U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU

REPORT

OF THE

CHIEF OF THE WEATHER BUREAU

1918-1919

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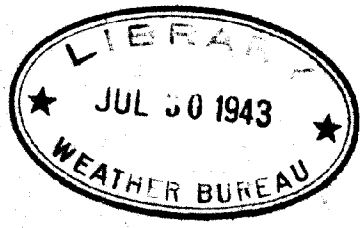

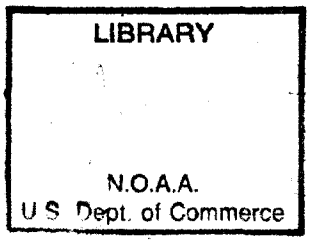

WASHINGTON
GOVERNMENT PRINTING OFFICE
1920

National Oceanic and Atmospheric Administration

Climate Database Modernization Program

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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., October 11, 1919.

SIR: I have the honor to submit herewith a report of the operations of the Weather Bureau during the fiscal year ended June 30, 1919.

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.

POST-WAR CONDITIONS.

With the close of the fiscal year and the passing of war conditions the Weather Bureau finds itself face to face with post-war conditions of more serious character even than the difficulties imposed by the war. It seems appropriate at this time to state briefly the status and functions of the Weather Bureau because applied meteorology as never before in history has come to be recognized as a highly important factor and guide in the conduct of almost every activity of any consequence of the Nation. Never before in any previous war did the science of meteorology play any important part or have a place in the program of military and naval organizations and operations. Now it is regarded as indispensable and is destined to become a permanent feature of each arm of the service.

Created in 1870 as a part of the Signal Corps of the United States Army by a joint resolution of Congress "to provide for taking meteorological observations at the military stations in the interior of the continent and at other points in the States and Territories of the United States, and for giving notice on the northern lakes and on the seacoast, by magnetic telegraph and marine signals, of the approach and force of storms," its network of stations soon embraced the entire United States.

Subsequently the designation of the service was changed to the Weather Bureau, which, by act of Congress approved October 1, 1890, was transferred from the War Department to the Department of Agriculture and its duties and functions defined in the following language:

> The Chief of the Weather Bureau, under the direction of the Secretary of Agriculture, shall have charge of forecasting the weather; the issue of storm warnings; the display of weather and flood signals for the benefit of agriculture, commerce, and navigation; the gaging and reporting of rivers; the maintenance and operation of seacoast telegraph lines and the collection and transmission of marine intelligence for the benefit of commerce and navigation; the reporting of temperature and rainfall conditions for the cotton interests; the display of frost, cold-wave, and other signals; the distribution of meteorological information in the interest of agriculture and commerce; and the taking of such meteorological observations as may be necessary to establish and record the climatic conditions of the United States or are essential for the proper execution of the foregoing duties.

This organic act, with interpretations and extensions by subsequent annual appropriations, assigns to the Weather Bureau the entire domain of meteorology, including the duty of preparation and issue of forecasts and warnings of weather, storms, cold waves, heavy snows, floods, and the stages of rivers, all in the interest of commerce, agriculture, and navigation. At present it maintains over 200 fully equipped meteorological stations, and about 1,400 substations classified as special meteorological, river, storm-warning, hurricane, marine, cotton-region, corn and wheat region, fruit, cranberry, and fire-weather warning stations. In addition to these, the bureau maintains in connection with its climatological work about 4,500 stations known as cooperative stations, the equipment being furnished by the bureau and the observations being taken by public-spirited citizens who render gratuitous service. Its cooperative work extends to practically every ocean of the globe, and the masters of many vessels (the number was greatly reduced by the war, but is now on the increase) fill out our forms of daily meteorological observations on every voyage, to be forwarded on arrival in port. Before the war daily observations received by cable and otherwise from selected stations over the entire Northern Hemisphere were collected and published. Negotiations to restore

this exchange are under way. A highly trained, efficient, and experienced personnel of over 800 commissioned employees, helped by about 1,400 who receive a small compensation for the regular performance of specific duties, conducts the work of the bureau, and in addition the marine and cooperative observers constitute a host of nearly 6,000 public-spirited individuals who serve gratuitously. Such, in brief, is the machinery and organization of the Weather Bureau.

While the bureau is best known to the public through the issue of its daily forecasts, maps, and bulletins, there is no doubt that its greatest value in an economic sense consists in the immense saving effected by its special warnings, as of storms and hurricanes for the benefit of marine interests, warnings of floods that occur on the principal rivers, warnings of cold waves which accomplish protection to property and foodstuffs liable to damage by injuriously low temperatures, and warnings of frost and freezing weather for the benefit of the fruit, sugar, tobacco, cranberry, market gardening, and other interests.

Its duties and authorities by law are broad and comprehensive, and post-war conditions bring it new and important obligations and responsibilities which it is fully alert to recognize and eager to discharge. With the experience and traditions of nearly 50 years to its credit, the bureau is in a position to render practically every service of a meteorological nature which may be required of such an agency and at an economy of expenditure of public funds which can not be surpassed, or even equaled, by any new agency.

A few only of the post-war problems and demands in the administration of the affairs of the Weather Bureau will be mentioned here.

METEOROLOGY AND AERONAUTICS.

From a phenomenal development under the stimulus of war necessities the navigation of the air is rapidly extending to its civil and commercial or industrial stage. Flying in ignorance or disregard of meteorological conditions and warnings is at times suicidal and destructive of costly property. Even before flying increased so greatly within the United States the Weather Bureau inaugurated a service of flying forecasts, effective December 1, 1918, which is conducted in cooperation with the Chief Signal Officer of the Army and for the benefit at first of the Army training posts and the aerial mail service of the Post Office Department, and later destined to be extended to all flying in general. Much development work is needed to make this service the most effective possible, all of which may be accomplished, as flying develops, through existing agencies and channels of cooperation between the public and the branches of the Government concerned.

METEOROLOGY FOR MILITARY OPERATIONS.

Closely allied to meteorology for aeronautics, the experiences of the war have created a demand for a service to supply information for artillery, gas warfare, and other kinds of military operations, each in its way different. The influence of winds upon the flight of projectiles has long been recognized, but in the past methods of observing the actual motions of the free air in the various altitudes were little known and less used, consequently the allowances for wind in the older formulæ of the artillerists were largely academic or mere approximations, whereas nowadays the ballistic wind is not a matter of guess or estimation, but of definite and direct observations by meteorologists employed for the purpose and using pilot balloons or other aerial apparatus which meteorologists have developed and employed in the advancement of their own science.

On a peace-time basis these needs are being met by cooperative work and arrangements existing between the Chief of the Weather Bureau and the Chief Signal Officer of the Army, as a result of which a limited number of stations are maintained by the Army, while others constituting a useful coordination of points are established and maintained by the Weather Bureau. Observations at these stations consist chiefly of the flight of small rubber pilot balloons. The results are used locally as required and telegraphed to the central office of the Weather Bureau for the use of the official forecasters in the issue of flying advices and other information.

MARINE METEOROLOGICAL OBSERVATIONS.

The submarine menace brought on with the war soon terminated the program of observations which merchant vessels plying the several oceans of the globe were long accustomed to furnish with the object of supplying data and information concerning the climate and meteorology of the oceans for publication as aids to navigation (marine) on the pilot charts of the Hydrographic Office. This service is being restored gradually, and its importance is enhanced on account of the policy of extending the merchant marine of the United States, and also extensive navigation of the air over the oceans, which the future is sure to see accomplished.

Details of the major activities and work of the bureau follow:

FORECAST SERVICE.

The general forecast service continued in operation as in the past several years. This plan consists of: (a) the supervising forecaster at the central office, Washington, D. C., who has general charge of the forecast work of the Weather Bureau and regularly makes the day-to-day forecasts and special warnings for the Washington forecast district and warnings of storms and dangerous winds for the Great Lakes, the Atlantic and Gulf coasts, and the West Indian waters; (b) district forecasters at the Chicago, New Orleans, Denver, and San Francisco forecast district centers, who have to do with the preparation and dissemination of forecasts and warnings for their respective districts; (c) a district forecaster at San Juan, P. R., who has charge of the issue of forecasts and warnings for that part of the West Indies lying east of longitude 70° west; (d) a district forecaster at Juneau, Alaska, who issues daily forecasts for the Juneau district of southeastern Alaska throughout the year and for the lower Tanana Valley during the period of low temperatures; and (e) local forecast officials located in many cities of importance who prepare forecasts of weather, temperature, and wind for their respective limited regions. The forecast districts with headquarters at San Juan and Juneau were organized during the fiscal year ended June 30, 1919; otherwise there was no change in the general plan of organization.

FORECAST OFFICIALS.

The officials assigned to forecast service are selected only after long preliminary training and through competitive tests that extend through one or more years. It is necessary that the officials engaged in this work have a fundamental training in the laws of atmospherics and also that they be temperamentally fitted for the work, which, at times, is extremely arduous and requires the constant attention of the one engaged therein. In addition to the officials that are actually engaged on this work, there are of the younger men of the bureau approximately 40 who engage in what is termed "practice forecasting," fitting themselves to later become local forecasters and yet later, in the event of special aptitude and success, to become assistants to district forecasters. This system of training forecasters must necessarily rest in the Weather Bureau, for there is no outside institution of learning where one might perfect himself in the art of weather forecasting.

FORECASTS AND WARNINGS.

The forecasts that are regularly issued by the bureau are adapted to the many varied demands for them. In general, they consist of the following:

(*a*) Day-to-day forecasts, for 36 to 48 hours in advance, of the general weather, temperature, and wind conditions for the various State units. These forecasts are issued twice each day, a. m. and p. m., at approximately 9:30 o'clock. The morning forecast is given general distribution through the display of weather and temperature flags, the telephone, printed cards and bulletins, and the afternoon press; the evening forecast is distributed mainly through the various press associations for appearance in the morning press.

(*b*) Weekly forecasts, that are issued Saturday of each week for larger areas than the day-to-day forecasts, and set forth the expected general conditions of the weather for that period in advance. These forecasts are disseminated largely through the press, but also through mailed cards and bulletins.

(*c*) Local forecasts, that are issued daily by the officials of the more important Weather Bureau stations for their respective regions. These include a statement as to the probable weather, temperature, and wind, and, during the winter months, the probable minimum temperature is made a part of the forecast.

(*d*) Shippers' forecasts, which are regularly made during the months when temperatures likely to be injurious to shipments of perishable goods and produce occur. These forecasts are prepared and issued by the local forecasters at many of the regular Weather Bureau stations.

(*e*) Special forecasts that are issued from time to time as occasion requires, and some of these are given special designations, as, for example: "Fire-weather warnings," for the forest regions of the West; "Orchard forecasts," for the guidance of spraying operations for insect pests and fungi, and of heating operations to prevent frost injury. Moreover, special forecasts are regularly issued for the cranberry industry of Massachusetts, New Jersey, and Wisconsin; and for various other industries that are partially or wholly dependent on accurate forecasts of weather and temperature changes.

(*f*) Day-to-day forecasts of the weather and winds along the transatlantic steamship lanes eastward from the Atlantic ports to the Grand Banks of Newfoundland are issued for the guidance of vessel masters.

(*g*) Day-to-day wind and weather forecasts for the Atlantic and Gulf coasts are issued each day and transmitted to vessels at sea through naval radio. In addition to the forecast there are included in this daily message the prevailing weather and wind conditions at ports along the Atlantic and Gulf coasts and a statement as to the position of any atmospheric disturbance and its direction and speed of movement and intensity.

(*h*) Aviation forecasts are made regularly each day for the Post Office Department and the United States Army Air Service and the United States Naval Air Service. This service is conducted in a rather limited way as yet, but the general plan of the Weather Bureau aims to effect its development as rapidly as funds and the extension of aviation justify.

(*i*) Warnings are obviously issued only at specified times, but many of them are so important that when conditions arise which require their issue other lines of work give way in order that the warnings and advices may be placed before commercial and other organizations that may be benefited thereby. Warnings are issued for cold waves, heavy snows, gales, frosts, local storms, floods, winds dangerous to navigation on the Great Lakes, the oceans, the Gulf of Mexico, and the Caribbean Sea, and for hurricanes. There can be no question but that this service saves many lives, and that property to the value of millions of dollars has been protected and saved through the prompt issue of these warnings by the Weather Bureau.

FUTURE DEMANDS.

With the wider recognition now accorded applied meteorology, increased demands are being made for information and forecasts. Advices of various kinds and forecasts are already being supplied the Air Services of the Army and the Navy and the Post Office Department, and it seems altogether probable that the growing demands for information and forecasts of a meteorological character will soon make necessary a new branch of forecasting planned to care primarily for the interests of aerial navigation.

RECENT EXAMPLES.

During 1919 there were two notable cases of the importance of accurate meteorological information and forecasts in connection with aerial navigation. The one was that of the transatlantic seaplane flight by the United States Navy in May, and the other that of the visit of the British dirigible, the R-34, to our country during July. In both these instances the fullest cooperation on the part of the Weather Bureau was requested by the United States Navy. Complete synoptic meteorological reports were placed at the disposal of the officials of the Navy, and in addition the forecaster on duty prepared and issued forecasts based on the 8 a. m. and 8 p. m. regular observations for the commanding officers of these operations.

THE TRANSATLANTIC SEAPLANE FLIGHT IN MAY, 1919.

The start of the transatlantic seaplane flight (United States Navy) was made from Rockaway the morning of May 8, two of the planes, the NC–1 and NC–3, reaching their destination, Halifax, the afternoon of the same day. The NC-4 developed engine trouble and put into Chatham, Mass. The forecast issued the morning of the 8th was as follows: "Moderate northwest and west winds. Fair weather to-day. Friday, fresh north to east winds, cloudy weather, with rain over southern half of course." The evening of the 9th the following forecast was made for the seaplanes between Halifax and Trepassey Bay, Newfoundland: "Weather favorable for flight Saturday. Gentle variable winds. Fair weather. Wind velocity less than 15 miles an hour." The morning of the 10th the forecast for the same course read: "Fair weather Halifax to Newfoundland. Gentle variable winds, except moderate west and northwest off south coast of Newfoundland." The flight from Halifax to Trepassey Bay was made on the 10th, and the two seaplanes making it reached their destination the afternoon of the same day. In the meantime the seaplane NC–4, at Chatham, Mass., had made ready for a renewal of the flight to Halifax, but it was held there for several days because of adverse wind and weather conditions. On the evening of the 13th the following forecast was sent the commander of of the seaplane NC–4 at Chatham, Mass.: "Conditions favorable for start from Chatham for Halifax Wednesday morning (the 14th). Moderate to fresh westerly winds and fair weather." The flight was made to Halifax on the 14th under favorable conditions, and from Halifax to Trepassey Bay on the 15th, the advices sent to the commander of the NC–4 assuring him of favorable wind and weather conditions. On the 15th (Thursday) the following forecast was sent to the commander of the seaplanes at Trepassey Bay, Newfoundland: "Wind and weather conditions over the course (Newfoundland to the Azores) will improve during Friday and Saturday. Wind will be west and fresh and possibly strong. Weather will be fair. Above based on incomplete reports from the ocean. Advise start by Friday night." On Friday the following forecast was sent: "Surface winds fresh and possibly strong west-southwest and upper winds fresh to strong west over course between Newfoundland and the Azores; some clouds, fair visibility, and rising pressure. Conditions favorable for start." The seaplanes left Trepassey Bay the afternoon of the same day for the Azores. The NC–4 reached the Azores the late forenoon of the following day, while the NC–1 and the NC–3 landed in the vicinity of the Azores, but were unable to rise from the water and resume their flights.

THE VISIT OF THE BRITISH DIRIGIBLE, THE R–34, JULY, 1919.

The Weather Bureau was called on for detailed information and forecasts before, during, and after the visit of the R–34 to the United States in July, 1919. The first call for information and forecasts was from the R–34 by radio when she was in the vicinity of Newfoundland, and then and after, until she had reached midocean on her return to Great Britain, the latest meteorological information and forecasts were always at the disposal of the commander of this craft. The following letter, addressed to the Chief of the Weather Bureau, was received from the Secretary of the Navy concerning the work of the Weather Bureau in connection with the visit of the R–34 to our country:

The work done by the Weather Bureau before, during, and after the visit of the British dirigible R–34 has been keenly appreciated by the Navy Department and by the British officers connected with this flight. The reports were most reliable and the last report, sent by Major Bowie on the evening of July 10, undoubtedly was the prime agent in the safe departing of the ship.

Also, there was received the following letter from the British air attaché in appreciation of the work of the Weather Bureau in connection with the flight of the R–34:

Permit me to thank you, on behalf of the Air Ministry, for the very distinguished part you played in the success which attended the visit of the R–34. It is claimed that meteorology is the handmaiden of aeronautics, but I think that does not show the science enough respect. At any rate, you, by your assiduous attention to, and reading of, the weather during the visit contributed more than a fair share to the success attained.

TROPICAL STORMS.

Only one tropical storm of sufficient importance to justify the display of hurricane warnings occurred during the year, namely, that of August 1–6, 1918. This storm moved northwestward across the Caribbean Sea and Gulf of Mexico, and struck the Louisiana coast about 30 miles east of the mouth of the Sabine River, moving thence inward about 80 miles to northwestern Louisiana, where it was dissipated. It passed over Lake Charles and Gerstner Field, La., developing considerable violence, the wind attaining a velocity of about 100 miles an hour. Thirty-four deaths were reported as being due to the storm and the number of persons injured as more than twice that number. The damage to property was roughly estimated at $5,000,000. Hurricane warnings in advance of the storm were ordered for the Louisiana and Texas coasts from Galveston east.

SPECIAL METEOROLOGICAL STATIONS.

As an aid to the forecast service in Alaska arrangements were made for the establishment of three special meteorological stations at Atka, Akiak, and Noorvik, Alaska, to report twice daily by radio.

HIGHWAYS WEATHER SERVICE.

A new project, designated "Highways weather service," was formally authorized during the year. In the carrying out of this project certain central stations receive reports of the conditions of the roads in the surrounding region or over certain main highways, and publish the same on their bulletins and in the press. In cases where the stations are centers of a corn-and-wheat or cotton-region service the reports of road conditions are obtained by telegraph without additional expense by the addition of a word indicating the conditions of the road to the daily report from the substations. In other instances they are obtained by mail by means of franked postal cards furnished to persons who are willing to cooperate with the Bureau in this service. Projects were in operation during the past winter at some 15 stations in 11 States, but at all but four of these it was a winter service only and was discontinued in the spring, to be resumed the coming winter. Although still in a tentative stage, the service has great possibilities and is likely to be largely extended in the future. It has proved very popular where it has been in operation, the official in charge at one station stating that he has as many calls for road data during the day as for the weather forecasts.

RIVER AND FLOOD WARNINGS.

The flood service of the Weather Bureau functioned properly, not only as to the issue of timely notices of the coming of floods but also in the daily statement of river conditions throughout the country.

The floods of the year were largely local and much less severe than in many previous years.

During threatening conditions which obtained for a time along the Mississippi River from Keokuk, Iowa, southward to Louisiana, Mo., information was furnished that proved to be of great practical utility in the organized effort to strengthen the levees along that section of the stream.

In the drainage investigations of the department and in many private enterprises in connection with river improvements the river and flood service has contributed valuable information both to agricultural and commercial interests along the great rivers of the country.

INSPECTION OF RIVER STATIONS.

Owing to the unprecedented demand for engineers, it has not been possible to obtain from the outside persons having the necessary skill and experience to correct irregularities which invariably creep into the work of river-gaging stations unless the work is frequently inspected.

As a temporary expedient an employee of the Washington office was detailed for a part of his time to field work in connection with the installation and upkeep of river gages. It was not

possible in this way, however, to care for more than the most pressing cases. A return to the prewar basis of having persons of engineering ability available at central points for service in keeping the system of river-gaging stations up to standard is urgently needed.

CHANGES IN DISTRICT CENTERS.

No new river districts were organized during the year, but the charge of the Kansas River was transferred from Kansas City, Mo., to Topeka, Kans., largely for administrative reasons.

SNOW SURVEYS IN HIGH ALTITUDES.

The activities of the bureau in determining the depth and density of the snow cover at high altitudes in certain drainage basins of the West were naturally restricted to the most urgent and promising cases. These were the White Mountain region of Arizona draining into the Roosevelt Reservoir and on the headwaters of the Walker River of Nevada.

FORMULÆ FOR FLOOD FORECASTING.

Studies leading to the formulation of rules for forecasting floods almost wholly from the physical data of rainfall have been completed during the year for the Asheville (N. C.) district.

COOPERATION.

Progress was made on the following-named specific projects during the year:

1. The collection of ranfall measurements in the mountains of Los Angeles and San Bernardino Counties, Calif., in cooperation with the local county officials.

2. The Wagon Wheel Gap Experiment Station in cooperation with the Forest Service of the department. This important project has now run for eight years, and a mass of unique data has been collected to establish, if possible, hitherto unknown facts concerning the relations between weather conditions and stream discharge on forested watersheds. The experiment has reached its second stage, in which one of the two watersheds will be denuded of its forest and observations continued for a further period of years under the changed conditions. A detailed study of the data for the first stage of the experiment is far advanced, and the future observations are looked forward to with great interest.

STATIONS AND OBSERVATIONS.

NEW WEATHER BUREAU BUILDINGS.

After considerable unavoidable delays due to war and unsettled business conditions, the new Weather Bureau observatory and telegraph office building at Cape Henry, Va., was completed and accepted under date of September 8, 1918. This station was fully equipped with steel towers and lanterns for storm warning displays, and a small electric light plant to provide illumination for displays, vessel signaling, and office purposes has proved very satisfactory. The new building was erected on the Weather Bureau reservation comprising 15,000 square feet of ground on beach front at the foot of Forty-third Street, where the location is much more advantageous than that previously had for many years on the lighthouse reservation. The old building is retained for use of the assistant observers.

CHANGES AT REGULAR STATIONS.

Narragansett Pier, R. I., station was closed July 31, 1918. Weather building and reservation placed in hands of a caretaker.

Buildings and reservation at Mount Weather, Va., also remain in possession of caretaker.

On October 1, 1918, the important meteorological city substation, Central Park, New York, in the Army Building, near Sixty-fifth Street east, maintained continuously for about 50 years past under local supervision, was removed to, and installed in the remodeled Belvidere Tower building, near the Eighty-first Street west entrance to the park, and re-equipped as a permanently established substation of the bureau.

Completion of a Federal building at New Haven, Conn., in which accommodations were provided by the Treasury Department, enabled the bureau to effect removal thereto February 15, 1919, and save rental heretofore paid for quarters in a private building.

Notwithstanding the general increase in rentals throughout the country during the last two or three years, it has been possible to effect a considerable saving to the Government by reason of the 5-year renewal clause in leases whereby the bureau was able to retain occupied quarters at prewar prices. Leases involving $6,466 at the old rate, which now expire by limitation at seven stations where increase is demanded, required renewal at a total increased cost to the bureau of $1,556 for the next fiscal year, or about 24 per cent of the total amount paid for such rentals. One serious incident of exorbitant increase in rental compelled the bureau reluctantly to move its station at Topeka, Kans., to quarters in a new rented building. The following statement shows the present status of Weather Bureau offices at field stations outside of Washington (not including Narragansett Pier or Mount Weather):

Free quarters and accommodations:		
In observatory buildings, owned and controlled by the Weather Bureau	45	
In State university buildings	5	
In Federal buildings	72	
Total free of rental		122
Rented buildings, etc., owned by individuals or corporations:		
In office buildings	80	
In buildings with grounds, aerological and special meteorological stations	19	
Total number rented buildings partly or wholly occupied		99
Total		221

COOPERATION.

The Weather Bureau is always ready to cooperate to the fullest extent possible, and during the war, at Springfield, Ill., the entire second floor of its building was turned over for extended use by the Internal Revenue Service. At Parkersburg, W. Va., Weather Bureau quarters in the Federal building were changed to better accommodate additional employees of the Treasury Department. At Sand Key, Fla., at the request of the Secretary of the Navy, the station and equipment were transferred to that department October 26, 1918, by order of the President, under the authority of the Overman Act, and returned to the control of the Weather Bureau July 1, 1919.

TELEPHONE SERVICE.

In connection with its prompt and wide dissemination of storm warnings and general meteorological information, the Weather Bureau probably is the most extensive user of telephones of any branch of the Government, and at its more than 220 central field stations has direct wire connections with local telephone exchanges. An authorized allotment of about $14,000 was made for this local telephone service for the fiscal year ended June 30, 1919, and the increased local rates promulgated in the Postmaster General's Order No. 2940, effective May 1, 1919, called for an almost complete readjustment, together with an added and wholly unexpected charge against our appropriations for 1918–19. For next fiscal year the total cost of this service is likely to reach $17,000.

TELEGRAPH CONTRACTS.

For the prompt handling of meteorological reports and weather information over the greater part of the Northern Hemisphere the Weather Bureau has necessarily maintained for many years past formal annual contracts, arranged under special authority of law, with all of the more important telegraph, telephone, and submarine cable companies, including also wireless commercial companies, through cooperation with the Naval Communications Service. By order of the Postmaster General, dated June 7, 1919, Weather Bureau contracts for next fiscal year and

during Federal control were made exempt from increase of rates, but this affects only contracts entered into by the central office at Washington. An opinion was also obtained that increased rates were not applicable for wire and battery service leased for maintenance of local recording river gages and similar self-registering equipment used by the Weather Bureau.

INVESTIGATIONS IN VOLCANOLOGY.

The act making appropriations for the Weather Bureau for the fiscal year ended June 30, 1919, contains authority for investigations in volcanology and appropriates $10,000 therefor. Provision for this project was included in a supplemental estimate submitted to Congress for the fiscal year 1917, but was not allowed. The estimate was not repeated for the fiscal years 1918 and 1919, but was inserted on the initiative of Congress itself for the current fiscal year. The primary purpose of the appropriation is to conduct investigations in volcanology at Kilauea Volcano, on Hawaii Island, of the Hawaiian group, with the expectation that they may be extended later in Alaska and other places in the United States possessions where active volcanoes exist. The site of the volcano and extensive adjacent territory have recently been included in a national park.

Investigations have been conducted at Kilauea since 1912, first under the auspices of the Massachusetts Institute of Technology, and since 1913 by the Hawaiian Volcano Research Association, which is composed principally of prominent citizens of Honolulu.

The Weather Bureau took formal control of the work at Kilauea on February 15, 1919. Prof. Thomas A. Jaggar, jr., formerly of the Massachusetts Institute of Technology, who has been in charge of the investigations since their inception, has been appointed volcanologist and will continue in immediate charge.

The buildings, grounds, instruments, and equipment belonging to the Hawaiian Volcano Research Association were transferred to the control of the Weather Bureau under the terms of a long-time lease. Prof. Jaggar and his assistants will reside in the observatory buildings, and the major part of their work will be conducted at the Kilauea Volcano, although simultaneous studies of the activities of near-by volcanoes, especially Mauna Loa, will be made as far as practicable.

The program of work at present contemplates little more than the maintenance of the systematic observations of the volcano, with some possible extensions in the way of a seismic survey of the vicinity. No more than this can be undertaken with present funds, but as national affairs become more stabilized under peace-time conditions the opportunity offered here of conducting extensive investigations in the field of volcanology will no doubt be fully supported and important results secured.

AEROLOGICAL INVESTIGATIONS.

Free-air observations by means of kites were obtained throughout the year at Drexel, Nebr., and Ellendale, N. Dak. Installation of equipment was completed for similar work at Broken Arrow, Okla., Groesbeck, Tex., Leesburg, Ga., and Royal Center, Ind. Regular observations were begun at those stations before January 1, 1919. These observations as well as those at Drexel and Ellendale include daily kite flights and, whenever possible, continuous series of flights covering periods of 24 to 36 hours. The records have been reduced at the central office, and the results published in aerological supplements of the Monthly Weather Review. Moreover, brief summaries are telegraphed daily to the central office and other district forecast centers.

The pilot-balloon work that was organized and conducted during the war by the meteorological section of the Signal Corps at Broken Arrow, Okla., Ellendale, N. Dak., Groesbeck, Tex., Leesburg, Ga., Royal Center, Ind., and Washington, D. C., was transferred to the Weather Bureau during the latter half of the year. Similar work has been organized at regular Weather Bureau stations at Ithaca, N. Y., Lansing, Mich., and Madison, Wis. Observations are made twice daily, and the indicated wind conditions at various heights are telegraphed to the central

office for use in furnishing advices to the Military, Naval, and Postal Aviation Services. The Weather Bureau observations are supplemented by similar reports from several military and naval air stations where work with pilot balloons is regularly conducted. All of the free-air records thus obtained are furnished to the central office for final reduction and study.

Both during and after the war there was close cooperation with the Army and Navy meteorological services. Special data were furnished also to the Ordnance Departments and to the Military Intelligence and Aviation Services. Advices were given to the United States Navy in connection with its transatlantic flight project, further details of which are stated under the section on forecast service.

TELEGRAPH SERVICE.

The prompt collection and dissemination of weather reports and warnings require an extensive network and use of commercial telegraphic facilities. Various elements of a disturbing nature contributed generally, and in some phases in an aggravated form, to a continuance of the difficulties experienced during the preceding year in maintaining the telegraphic circuits at a high standard of efficiency, although some improvement was noted during the last half of the year. Chief among the causes were shortage of experienced operators in the commercial companies, necessary employment of untrained forces, substitution of machine for manual transmission of telegrams over trunk lines, the epidemic of influenza, abridgment of the hours of labor, late opening of telegraph offices at numerous small but important points, preventing dispatch of observations at usual times, and, latterly, the prevalence of minor strike conditions.

Effectual means were promptly taken by the commercial companies as a rule, however, to remedy unsatisfactory conditions upon presentation of complaints, and, on the whole, the telegraph service was performed as efficiently as could have been expected.

Changes in telephonic rates, effective January 21, and in telegraphic rates, effective April 1, imposed additional difficulties in examination and passage of accounts for service, necessitating a large volume of correspondence to effect proper adjustment.

A complete revision of forms showing distribution of forecast messages throughout the country, approximately 1,100 daily, was accomplished, resulting in much improved record lists.

During May and June a large number of telegrams was handled in connection with the transatlantic flights in which the Weather Bureau cooperated with the Navy Department, additional telegraphic loops having been installed for the purpose. As this business was filed during the rush hours of the morning and evening, its handling, coupled with the other routine work, taxed the operating facilities to the utmost.

The services of another clerk-operator are much needed to properly handle the telegraphic and auditing work throughout the crop and hurricane seasons, and the need is much accentuated at times of increased work similar to the above. Should there be further increases of telegraphic work consequent upon the contemplated extensive cooperation with the Army and Navy, a corresponding enlargement of the telegraphic force will become imperative.

WEATHER BUREAU TELEGRAPH AND TELEPHONE LINES.

These lines have been maintained and operated generally in a satisfactory manner, considerable necessary reconstruction work having been accomplished on several. The Navy Department, the War Department, and the Coast Guard have made increasing use of them, the Coast Guard Service having cooperated largely in cable repair and other work.

BLOCK ISLAND-NARRAGANSETT PIER SECTION. (TELEGRAPH.)

Closing of the Weather Bureau office at Narragansett Pier on July 31, 1918, necessitated other land terminal arrangements. To meet this situation the cable was permanently connected in the office of the Providence Telephone Co. at Narragansett Pier with the Western Union wire running to Boston, thus affording a satisfactory channel of communication between Block Island and the mainland. Large use is made of this cable by the naval base on Block Island, which enjoys direct wire connection.

One mile of new 3-conductor cable, costing $2,312.64, was bought during the spring to replace a defective portion which had interfered seriously for most of the year with transmission through two of the conductors used by the Providence Telephone Co. Repairs made by the Coast Guard Service produced very satisfactory results, the cable now being in first-class condition, although laid in 1903.

NORFOLK-HATTERAS SECTION. (TELEGRAPH.)

Extensive repairs became necessary on the southern portion of this line, due to prostration of about 10 miles of poles resulting from effects of a severe storm on August 25–26, 1918. These repairs were completed early in the summer.

The 3-mile submarine cable connecting Manteo, on Roanoke Island, with the mainland became so defective as to seriously impair its further use for telegraph purposes. To insure continued communication with this isolated but important point 4 miles of new 4-conductor cable were purchased, nearly 3 miles of which were successfully laid in June, the remainder being stored for emergency use. Two sections of land line necessary to connect the cable with the office at Manteo and the main line were rebuilt.

Four important naval stations which transact a large volume of business enjoy direct connection with the main line through to the naval base at Norfolk. Extensive use is made of the facilities of the Weather Bureau office at Cape Henry by the Navy and the Coast Guard Service, the latter effectively cooperating in the maintenance of the line. Two telephone lines belonging to that service are carried on the Weather Bureau poles between Virginia Beach and Hatteras.

KEY WEST-SAND KEY SECTION. (TELEPHONE.)

Nine miles of submarine cable connects these two stations. This cable was laid in 1903, and in the early part of the year became so defective as to call for a new cable to protect the naval interests in the gulf which had assumed great importance on account of war conditions. As the Sand Key station had been taken over by the Navy Department during the period of the war, a new 4-conductor cable was purchased and laid by that department.

ALPENA-THUNDER BAY-MIDDLE ISLAND SECTION. (TELEPHONE.)

During the year communication was interrupted 23 hours on these two lines owing to damage by thunderstorms. The poles are beginning to fail from age and will doubtless need renewing soon.

WHITEFISH POINT-GRAND MARAIS SECTION.

NORTH AND SOUTH MANITOU ISLAND-SLEEPING BEAR POINT SECTION.

BEAVER ISLAND-CHARLEVOIX SECTION.

These three lines (all telephone) worked continuously and smoothly throughout the year.

SAN FRANCISCO-POINT REYES (CALIF.) SECTION. (TELEPHONE.)

For several years past much difficulty has been experienced in communicating between these points. Arrangements were made during the winter with the Coast Guard Service for reconstruction of the line, which provided for a metallic circuit from Point Reyes to San Anselmo, where the Weather Bureau wire now terminates in an exchange, thence operated to San Francisco at established rates. The former method of communication involved rental of a wire from San Francisco to Mill Valley which connected at that point with the Weather Bureau single-grounded wire running to Point Reyes. Communication with the Mount Tamalpais station had been carried on by the use of a loop on the main line. This portion of the line now terminates in the Mill Valley exchange where connection is made with either Point Reyes or San Francisco. Approximately two-thirds of the cost of the reconstruction work was borne by the Coast Guard, and the remaining third by the Weather Bureau. Annual cost of service between the new and

old systems differs but little. The new system was placed in operation on March 5, with satisfactory results. A portion of the line will need renewing with copper wire before long. Three test stations were installed on the line, which are found valuable in locating trouble.

NORTH HEAD-PORTLAND SECTION. (TELEGRAPH.)

Fairly satisfactory and continuous communication was maintained between these two points through the successive use of several conductors in the Army cable connecting Fort Stevens and Fort Canby on opposite sides of the Columbia River. Serious and unlooked-for difficulties were encountered in putting into effect the project of purchasing and laying a new cable from funds authorized by Congress for cable and line repairs. Prolonged but unsuccessful efforts were made to determine a proper route to connect with existing land-line facilities. Utilization of the route of the abandoned cable was highly inadvisable. The selection of a new and longer route entailed construction of new land lines or unsatisfactory cooperation with other services in the use of the present system. The greatly increased expense of cable and aerial material was prohibitive in view of the small amount of funds remaining after expenditures necessarily incurred in emergency repairs on the lines above mentioned. As continued use of the Army cable is permissible as long as a conductor can be spared, consummation of the project of a new cable has been deferred pending future action by Congress.

TATOOSH ISLAND-PORT ANGELES SECTION. (TELEGRAPH.)

A large amount of reconstruction work was accomplished during the year. This was made highly desirable, and in places necessary, by the extensive logging operations along the route of line, railroad construction work, private road building, activities of the Spruce Production Division of the Signal Corps, and heavy storms.

The Weather Bureau station at Pysht was closed on August 31 and the repair work formerly done by the official divided between the stations on either side.

A temporary office was opened at the military camp at Joyce, Wash., August 29, and a large volume of telegraph business was carried over the line in connection with the spruce production operations at that point. The office was closed on December 25. During these four months approximately 3,100 commercial messages were handled at this station.

WORK IN CLIMATOLOGY.

No important changes occurred during the year in the work in climatology, and the several important lines were carried forward as usual, despite many general enlargements in most of the items making up the duties and some decrease in the clerical force available.

All material prepared for the several publications of the bureau was submitted as per schedule and the final reports printed at the time designated. The weather data for the Monthly Weather Review, Annual Report of the Chief of Bureau, and the monthly and annual climatological reports for the several States were subjected to the usual careful scrutiny, and effort has been made to maintain the standard of accuracy heretofore required, although, as stated above, there has been a steadily increasing number of reports to be examined and a constant diminution of the effective working capacity of the clerical force.

COOPERATIVE REPORTS.

The work of the cooperative observers of the bureau has been maintained in a highly satisfactory manner despite the additional duties imposed on the observing force by the unsettled world conditions and the lessened opportunities for such work in view of the shortage of labor in general.

More changes in the observing force were necessary than usual, owing to a large shifting from the usual lines of work to those pertaining to the war, but the continuity of the work was usually provided for and the records as a whole were remarkably complete, and continued improvement in practically all features of the work was noted.

INSPECTION OF STATIONS.

The policy of inspecting cooperative stations once in each three years, temporarily suspended during the early portion of the fiscal year just closed, was vigorously taken up toward the latter part and is being continued whenever feasible for officials to absent themselves from their stations. These visits of inspection impress the cooperative observers with an added sense of the importance of their work, establish a spirit of sympathetic cooperation, and encourage them to renewed effort in case they have become discouraged at the prospective amount of work without financial remuneration or an apparent lack of appreciation by the bureau or the public of the value of the records they are at such pains to make.

During the year most cordial cooperation was maintained with other Government bureaus in collecting meteorological reports from points that would naturally be without representation but for the willingness of the officials to take up this special duty in addition to their regular lines of work.

OCEAN METEOROLOGY.

As was pointed out in previous reports, the work of the marine section was seriously interfered with by the war, the loss of reporting vessels and censorship restrictions together having the effect of greatly reducing the number of reports available for charting and study. So far as possible, however, the work of the section proceeds along the usual lines.

Upon the close of the war attention was centered upon a program for the restoration and extension of the marine work, and plans have been formulated which will result in a material advancement of our knowledge respecting meteorological conditions of the great ocean areas.

Progress in this direction is necessary to enable the bureau to meet the increasing demands for information regarding weather conditions over the oceans resulting from the expansion of our merchant marine and commercial development associated therewith, as well as those arising from experiments in transoceanic flight.

MISCELLANEOUS ITEMS OF WORK.

The work incident to the receipt, examination, and filing of the meteorological reports of the bureau went forward as usual. The section publications were assembled and prepared for distribution and the sets of these intended for station files for the year 1917 were bound and distributed. The binding of the original records of the preceding year was accomplished as usual and all reports put in shape for permanent preservation. The tabular matter usually extracted from the original records has been entered in the books prepared for such data and all are as nearly up to date as it is practicable to keep them.

Many data on the temperatures of the country have been accumulated during the year, particularly with regard to the maximum and minimum values. Extensive compilations of the daily and weekly means of these factors for the 40-year period ending with 1918 have been obtained from the various stations. It is hoped opportunity will be afforded during the present year to properly analyze and interpret these data and present them to the public.

Near the close of the year steps were taken to present to the public in general, but particularly for the benefit of the engineering professions, through the press, more information on the daily state of the moisture in the atmosphere, and at this writing these data are being published for the three principal observations in practically all the leading papers in the country. At the same time a revision of the local station forms intended for public distribution was being considered by which similar data will be presented to the public in much greater detail than heretofore.

The extensive utilization of our accumulated records by nearly every class of our population has continued during the year, and the fact that practically every request for information has been promptly and fully met indicates the extensive character of the data we are collecting. The reputation of the bureau for prompt service has been fully maintained, as indicated by the many acknowledgments of appreciation received for early and complete responses to requests for information.

AGRICULTURAL METEOROLOGY.

The activities under this section include the supervision of special services maintained in the interests of agriculture in the principal grain, cotton, sugar, rice, alfalfa seed, cranberry, tomato, tobacco, fruit, and potato-growing districts, as well as in the great grazing districts for the benefit of those interested in stock production; all maintained for the collection and dissemination of information relative to current weather conditions throughout the country, and their resulting effects upon the development of crops and the progress of agricultural operations.

In addition to the above, studies are conducted on the influence of weather on the development of crops, and the relation of weather and climate to agricultural activities and crop yields, including the supervision and distribution of forecasts of minimum temperatures during critical periods in districts where protective methods are extensively practiced. The fruit frost work was very successful during the year, particularly in the Northwestern States, and gratifying progress was made during the year in studies of special mathematical methods of forecasting minimum temperatures that may be injurious to fruit.

Weather is a dominant factor in the success or failure of agricultural or horticultural operations, and special effort was made during the year to apply the information collected, through the vast organization of special and cooperative services of the Weather Bureau, to the important problem of food production in its various aspects.

SPECIAL SERVICES.

Few changes were made during the year in the special crop services maintained by the bureau and described sufficiently in the last annual report. The cotton, corn, and wheat services were improved during the year by the inauguration of a new system of making observations whereby the minimum temperatures experienced during the preceding night were reported instead of the 24-hour minimum.

A new method of issuing reports weekly, instead of daily, in the cattle region service, has proved very satisfactory, and resulted in a material reduction of expense. There is an insistent public demand for the extension of this service over some important grazing districts not yet covered, which it is hoped to meet in the near future.

Special studies were made during the year in the development of a mathematical hygrometric formula to aid in making more accurate minimum temperature forecasts.

THE SPECIAL FORECAST AND WARNING SERVICE.

This was extended with good results, in connection with spraying operations in some important fruit-growing districts. So far as the depleted personnel of the bureau would permit, trained officials of the Weather Bureau were detailed to special field duty in fruit districts during critical periods for the purpose of giving advice as to the best time to conduct spraying operations. It is hoped that, when more normal conditions prevail, the bureau may be in position to enlarge and improve this branch of its activity.

COOPERATION.

By request of other departments of the Government, and for the use of the recent Peace Conference at Paris, the Weather Bureau prepared, during the fall and early winter, a general summary of the climate of Africa, with special attention to that of the former German colonies. A vast amount of climatic data was compiled, and a number of charts were prepared, showing graphically the annual and monthly distribution of precipitation and temperature over the continent, together with a discussion of its climatic characteristics.

The Weather Bureau continued its cooperation with other bureaus of the department in maintaining special meteorological stations at various points in different sections of the country as an aid to research and investigation of the many agricultural problems in which weather is an important factor.

INSTRUMENTATION.

The instrumental equipment of the various stations of the bureau has been maintained at the high standard of former years. The practical cessation of European supply and the difficulties attending American manufacture of instruments have made it less simple than heretofore to obtain suitable supplies, particularly when such supplies involved the labor of highly skilled artisans. Prices of instruments and of parts have increased greatly, and we have been able to maintain the equipment of the bureau with the appropriation available only by working over a considerable stock of apparatus available. The instrument shop of the bureau has been availed of to salvage instruments that under ordinary conditions would hardly be worth repair. Naturally a time will soon come when further operations of this character will not be possible, and, unless prices recede, a substantial increase in the allotment for instrumental equipment must follow.

STORM-WARNING EQUIPMENT.

The three-lantern system was completed on the Atlantic coast during the fall of 1918, and work on the Pacific coast was about half completed at the end of the fiscal year. The entire installation will be finished by October 1, 1919. It is a pleasure to report that there has been very little expense for repairs at stations equipped with this new system, and while the initial expenditure of making the change is somewhat high, it is believed that the total cost to the bureau through a period of, say, 10 years will be no greater than would be the cost of maintaining the former less effective equipment.

NEW INSTRUMENTS.

A form of thermograph, intermediate in size between our present long and short range instruments, has been adopted as standard for future purchases and will eventually replace all thermographs now in use in the bureau.

A minimum thermometer of larger index, so as to obtain increased visibility and thereby retain to the bureau the services of cooperative observers who must now give up the work because of failing eyesight, has been worked out with the cooperation of the manufacturers, and it is hoped to obtain a quantity of these in the near future.

A nephoscope of rugged construction and simple form has been designed for general use in the bureau and a contract for 100 of these has been awarded.

EVAPORATION WORK.

Extensions of the class A evaporation stations have been made only where satisfactory and continuous observations were to be expected. Thirty-eight stations well distributed over the country now render regular reports.

PRINTING AND PUBLICATIONS.

War conditions at the beginning of the year continued to embarrass the work of this division through the loss of employees and the impossibility of replacing them with efficient substitutes. Thus the lack of skilled press feeders necessitated keeping idle some of our presses much of the time and compelled us to use some of our scant printing allotment for having work done at the Government Printing Office that would otherwise have been taken care of by our own printing plant. However, no delays or interruptions were allowed to occur in printing and distributing the daily weather maps, weekly crop bulletins, and other periodical publications of the bureau, whose value depends entirely upon the promptness and regularity with which they are placed before the public. Since the close of the war conditions have gradually become more satisfactory, and the early installation of automatic press-feeding machines will prevent a recurrence of some of the troubles experienced during the past year.

The demand for Weather Bureau publications relating to meteorological and allied subjects maintained its usual high level, especially as regards requests received from military and naval sources for meteorological data in the aid of aeronautics and ballistics. Public schools

and other educational institutions also showed continued interest in the work and publications of the Weather Bureau.

At the end of the year there were 546 paying subscribers to our various periodical publications, exclusive of the Monthly Weather Review, and the total receipts from that source amounted to $697.17. An additional amount of $117.90 was received from the sale of blank weather maps for school use. Subscriptions for the Monthly Weather Review are received and filled by the Superintendent of Documents, Government Printing Office, who requires 125 copies each month for that purpose.

To guard against an improper use of information regarding crop conditions in advance of the time set for its release to the public, all copy for the National Weather and Crop Bulletin is now set up by our printers in a locked room of the Division of Agricultural Meteorology, and the advance sheets are printed on a proof press in the same room for distribution to the press and telegraph companies at the appointed hour.

The principal publications issued during the year included the Monthly Weather Review and Supplements; Daily River Stages for 1917; Climatological Data for the United States, by Sections; Instructions to Cooperative Observers; Daily Washington Weather Map; National Weather and Crop Bulletin; Snow and Ice Bulletin; Forecast cards, daily except Sundays and holidays; Weekly Forecasts; and Monthly Meteorological Summary for the District of Columbia.

Some of the more important features of the publications of the past year are mentioned in the following:

Station annual summaries with comparative data, forming very full local histories of the weather, have continued to be published at the larger stations, and some heretofore without such summaries have been enabled to have them printed through courteous cooperation with officials at stations having printing facilities. These local climatic histories have a wide circulation and afford convenient means for the distribution of important information needed by the public.

The snow and ice bulletins were issued as usual, and some improvements were possible in the extent of the information heretofore obtainable in the remote mountain sections of the West, by the hearty cooperation of the Forest Service, and other agencies of the Government whose officials are required to make occasional visits in the high mountain districts forming the headwaters of important streams that supply the great irrigation systems. Reports on the snowfall during the past winter showed at the close a marked deficiency in the usual supply of well-packed snow over several important drainage systems. Later advices show a serious shortage of irrigation water in these regions, and much loss to crops in areas dependent thereon is reported. These bulletins have a large circulation and are in constant demand, particularly by the irrigation interests.

Several reprints of the sections of Bulletin W, "Climatology of the United States by Sections," were provided for during the year. The editions of many other sections are rapidly becoming exhausted, and it is hoped that practically the entire set can be brought down to date, more important data included, and all reprinted in the near future.

These publications afford a most satisfactory means of giving to the public important information of climatic conditions in all parts of the country and are invaluable in the work of this bureau, which consists so largely in supplying weather information to all classes of individuals.

A rather full history of the cold winter of 1917–18, with a liberal display of charts showing some of the more important features of the pressure distribution and the resultant wind, temperature, and snowfall conditions over the North American Continent and the adjacent waters, as far as observations would permit, was issued during the year and given a wide distribution through the Monthly Weather Review.

WEATHER AND CROP BULLETIN.

The National Weather and Crop Bulletin was issued as in previous years without material change in policy. In addition to current weather and crop information, the bulletin contains, from time to time, charts and discussions bearing on the relation of climate to crops and agricultural operations. The value of this publication is evidenced by the popular demand for it, which has grown to such proportions as to severely tax the printing facilities of the bureau in its issue.

During the active agricultural season a weather and crop summary is published at each section center, 42 in number, which is disseminated by bulletins and through the public press.

PACIFIC COAST WEATHER AND CROP SERVICE.

A special weather and crop service, covering seven of the far Western States, was continued during the year, with San Francisco as the district center. The bulletin issued at that point conforms in both scope and time of issue to the National Weather and Crop Bulletin and has proved of great value.

MONTHLY WEATHER REVIEW.

Contributions to the Monthly Weather Review increased rapidly after the signing of the armistice, which liberated much material previously held as confidential and also allowed former contributors to turn from their war-time activities.

Beginning with the January, 1919, issue, the make-up of the Monthly Weather Review was consolidated by dividing the contents into two groups—(a) Contributions and Bibliography and (b) Weather of the Month—and some improvement was made in the attractiveness. The contents of the weather section were rearranged and some new features added, the most important being the current weather of the Atlantic and Pacific Oceans instead of that for the corresponding month a year before.

LIBRARY.

During the year 890 books and pamphlets were added to the library, bringing the total strength of the collection up to about 38,000. A considerable amount of bibliographic work has been done during the year, including the preparation of a nearly exhaustive bibliography on the climatology of South America. A new edition of the publication "Brief List of Meteorological Textbooks and Reference Books" has been prepared for the printer. Several of the more important foreign periodicals, whose receipt was interrupted during the war, are now being received and have been indexed to date.

INVESTIGATIONS IN SOLAR RADIATION.

The necessity of employing untrained observers led to the suspension of radiation measurements at Santa Fe, N. Mex., between September 12, 1918, and April 23, 1919, and to a marked reduction in the number of measurements at Lincoln, Nebr., during July and August, 1918. By the end of April, 1919, measurements were being obtained as heretofore at both these stations, and also at Madison, Wis., and Washington, D. C.

The assignment of the official in charge of solar-radiation investigations to the editorship of the Monthly Weather Review greatly curtailed his opportunity for research work. However, apparatus was tested and an observer trained in its use for the measurement of nocturnal radiation in orchards at Pomona, Calif., and at Medford, Oreg., in connection with the frost-protection investigations of the Weather Bureau. Measurements were also made of the rate at which heat is radiated from different types of oil heaters employed in orchard heating.

At the end of the fiscal year the work of computing from the radiation measurements available the diurnal and annual variations in radiation intensity with geographical position in the United States, and those which depend principally upon latitude, altitude, and the vapor content of the atmosphere, was well advanced. One of the by-products of the computation has been the determination of the relation between radiation intensity, expressed as a percentage of clear-

sky intensity, and the percentage of cloudiness and of the possible hours of sunshine, as observed by eye and recorded automatically, respectively, at most Weather Bureau stations. The results of the computation, which will be shown graphically, will soon be ready for publication.

From the relation between the sun's total or heat radiation and the luminous solar radiation heretofore determined charts and tables are also being prepared showing the intensity of direct solar illumination on a surface normal to the solar rays, on a horizontal surface, and on vertical surfaces in the plane of the meridian and the prime vertical, respectively, and also the intensity of diffuse sky illumination on a horizontal surface. The illumination data are furnished in response to repeated and urgent requests from illuminating engineers and architects, and must be considered preliminary in their character, as the investigation has disclosed the need of extensions in the observational work, especially on the Pacific and Gulf coasts and in the northern tier of States.

INVESTIGATIONS IN SEISMOLOGY.

The important work of collecting and publishing earthquake data, begun December 1, 1914, has been continued during the year. These data are of two kinds—noninstrumental reports of earthquakes felt; and instrumental records, often of quakes imperceptible to the senses and even originating at a great distance. The noninstrumental reports are rendered by all the regular stations of the bureau, nearly 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.; one at Northfield, Vt.; and one at Chicago, Ill.; and partly through the cooperation of a number of additional stations distributed from Panama to Alaska and from the Hawaiian Islands to Porto Rico.

During the calendar year 1918, 127 separate earthquakes strong enough to be felt were reported from different parts of the continental United States. The great majority of these did no damage whatever; a few, however, were strong to severe. One of these occurring on April 21 destroyed the business sections of Hemet and San Jacinto, in southern California. An equally severe quake occurred on May 28 in New Mexico, but did very little damage.

The chief earthquake damage in our outlying possessions occurred in Porto Rico on October 11 and 12. The records of this series of quakes obtained at Washington and Chicago were used by the commission especially delegated to study these disturbances.

In addition to the above regular work certain studies of meteorological phenomena have been made and several brief papers published.

PART II.

GENERAL SUMMARY OF THE WEATHER CONDITIONS IN THE UNITED STATES DURING THE YEAR 1918, WITH CHARTS.

LIST OF OBSERVING STATIONS AND CHANGES THEREIN DURING 1918.

SUNSHINE, 1918.

DETAILS OF EXCESSIVE PRECIPITATION, 1918.

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REVIEW OF WEATHER CONDITIONS DURING THE YEAR 1918.

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

The most remarkable feature of the weather of 1918 was the prolonged period of marked cold over the central and eastern parts of the country, which, having set in during December, 1917, continued till about February 6, then ended abruptly. No other two-month period averaging so cold appears in the temperature statistics of the central valleys, the Ohio drainage basin, the central South, or the Atlantic States. Heavy snow fell widely, railway traffic was greatly hampered, and a serious shortage of fuel caused vast inconvenience and much suffering, particularly in the Northeast. Comparatively few places, however, recorded extreme temperatures lower than their previous lowest records.

A hot spell, brief, but very intense, early in August covered a much smaller area, extending from eastern Kansas and adjacent districts to the middle Atlantic coast and the Connecticut River; here the previous highest temperature records were at least approximated, and at several places broken by a few degrees. In the middle and southern Plains there was rather severe heat for over two months, about June 10 to August 20, which aided the shortage of rainfall to produce serious harm to crops and pasturage.

Ample and well-distributed moisture, with mainly mild weather, during the last few months of the year in districts where late crops and fall-sown grains are very important was decidedly favorable and showed a great contrast with the conditions in 1917.

JANUARY.

The steady and severe cold of December, 1917, in the States east of the Rocky Mountains continued through January. During the first four days there was notable cold in the Gulf and Atlantic States, readings in far southern Florida closely approaching the lowest of record, and several points in the Carolinas and Virginia reporting the lowest January readings in at least 20 years. After a few days that were less severe, one of the most intense cold waves in the history of the Weather Bureau swept southward and eastward over the Central, Southern, and Eastern States about the 10–13th. The lowest temperatures resulting, which occurred chiefly on the 12th, generally surpassed any for the previous 18 years, and frequently any January records in over 40 years, in a belt extending from southern Texas over the central Mississippi Valley to southern Michigan. At Cairo, Ill., the lowest previous mark of any month during a 47-year record, —16°, was equaled. Steady cold followed for many days, more particularly in the Central States. However, the final week of January was mainly a little less severe in middle and southern latitudes, especially the latter; though in the more northern States, from Montana to Maine, the lowest readings of the month occurred at most stations during the last four days.

Meanwhile the far West experienced a continuation of the mild winter weather which had marked the month preceding; in the northern Rocky Mountain region the first decade was the warmest part, but in the North Pacific coast States both first and second decades were mild. Toward the end of the month cooler weather came, especially on the last two or three days in the extreme Northwest.

From the 100th meridian to the Atlantic the month averaged 6° or more below normal temperature, save in some coast and northern border districts; the Ohio Valley and southwestern Lake region showed greatest departure, from 10° to 17° at most points. From Nebraska to Michigan, and in States lying to northward of these, one or two other years (1912, especially) have had a colder January than 1918; also in a few Atlantic coast States January, 1918, was not quite the coldest on record; but otherwise in the States from Kansas to New

England and to southward of these this was the coldest January shown by the State Weather Service records, covering about 30 years, and usually the coldest month whatever. A 63-year record at Peoria, Ill., and an 82-year record at Amherst, Mass., show no other month as cold. In most of the country west of the Rocky Mountain Divide, particularly north of the 40th parallel, the month was warmer than normal.

The snowfall was unusually heavy over the Ohio and middle Mississippi Valleys and the southern part of the Lake region, and in most of the Atlantic and the cotton-growing States was above the average for January. At Palestine, Tex., the greatest 24-hour snowfall on record occurred on the 10th and 11th; and generally over the central valleys and the middle and southern Plains there was much snow or sleet, driven by strong, cold winds, about the 10th to 12th; and serious blockading of traffic resulted. However, in most central and eastern districts the snowfall of the month was well distributed. The total precipitation of the month was especially large in Alabama and Tennessee, and generally from the lower Mississippi Valley northeastward over the southern Appalachians. Elsewhere in the eastern half of the country it was about normal, except for deficiencies in Michigan and Texas. In the Rocky Mountain States and Washington there was rather more than normal, but in Nevada somewhat less and in California decidedly less.

The weather was very unfavorable for outdoor activities east of the Rocky Mountains; there was much suffering and loss in eastern cities from scarcity of fuel. In the South crops suffered much harm from the low temperatures, and fruit buds in some States were injured. Winter grains were mainly protected by snow, save in the Plains States. In the Pacific States the weather was favorable for growing grain and for outdoor activities.

FEBRUARY.

At the beginning of February it continued decidedly cold over the western cotton region and in practically all middle and northern districts from the Plains eastward. A brief rise in temperature about the 2d or 3d was followed by a sharp cold wave, which was felt considerably in most central and eastern districts, but especially in the Lake region and Northeast. In New York and New England the lowest temperatures on record for February were equaled or exceeded at many points on the morning of the 5th. The cold wave was immediately followed by a marked turn to warmer weather, which for about half the country brought to an abrupt end the severest prolonged cold period on record. The rest of February was rather changeable, but in central and eastern districts, and especially the Southeast, mild weather predominated, broken by one marked cold spell about the 21st; however, the Northeastern States had little mild weather till the last few days. West of the Rocky Mountain Divide there was considerable cool weather during the middle and latter portions of the month. The month averaged warmer than normal over most of the country, particularly the cotton region and the Plains; but averaged a little cooler than normal in much of the Plateau and Lake regions, and especially in New England.

There was much less precipitation than usually comes in February. The absence of heavy, warm rains was exceedingly fortunate for the Middle Atlantic States, the Ohio drainage area, and the Central States, where the streams at the opening of the month were icebound to an unprecedented degree; this ice and the snow cover mostly melted gradually, and but few localities were badly flooded. Most eastern districts had considerable precipitation during the latter part of the second decade, and in the Lake region and New England there were several other times of important precipitation. In California a prolonged drought was broken by persistent rains during the middle and last decades. The total fall of the month was moderately large in the Appalachian and Lake regions, also along much of the west Gulf coast; while in nearly all parts of the Pacific States there were large falls, and Nevada had a little more than the normal February fall. The scantiness of precipitation was marked in Virginia and the Carolinas, Florida, Oklahoma, the interior of Texas, and the middle Mississippi Valley.

The weather of the month was generally favorable for farm work and for early truck in the South. Winter grains did well in most States, the melting of the snow of preceding months

in central districts showing the plants in healthy condition, and the important rains in much of Kansas at the close being of great benefit. The weather conditions were favorable for fruit and for stock in the States where those industries are most important.

MARCH.

In central and eastern districts the opening days of March were cool, and there were a few other cool days, chiefly in the first half of the middle decade; but uniformly mild weather was the rule. In the West there were moderately cool periods during the first half of the month, but here again the second half was uniformly mild. In portions of New England and the Pacific States the average temperature of the month was close to or slightly below normal, but otherwise it was above, and except in Texas, Louisiana, Florida, and the Northeast decidedly above. Large parts of Minnesota and the Dakotas averaged 10° to 14° warmer than normal.

In most central and eastern districts the first half of the month had the bulk of the precipitation that occurred; but in Washington it was the latter half that was wetter. Considering the whole country, the month had little precipitation; although most of Oklahoma and southern Kansas, parts of Texas and Florida, large portions of the Virginias and Maryland, and some parts of the Lake region had good amounts; and in the West, western Washington, most of California, particularly the southern coast districts, central and northwestern Arizona, and southern and western Nevada had considerably more than normal. Except in some northern districts and parts of the western mountains the month's snowfall was unusually light.

The month was highly favorable for outdoor work and for live stock; while early truck in the South and winter grains wherever grown were benefited by the weather conditions.

APRIL.

The first 8 or 10 days were warm in the Atlantic and Gulf States, but decidedly cool for the most part in Wyoming and Colorado, and generally cool from the upper Mississippi and lower and middle Missouri Valleys westward to Nevada and southern Oregon. There followed a week of nearly reversed conditions, with marked warmth from the middle and northern Rocky Mountain region northeastward and eastward to Michigan, particularly in North Dakota; while it was very cool in the eastern cotton region, and rather cool in the Middle and North Atlantic States, the central valleys, and in southern districts as far west as Arizona, also in the far Northwest. The final fortnight of April had several decided shifts of temperature conditions, but on the whole was like the opening period; temperatures were high in the Pacific and western Plateau regions, especially California, and in the Southeast; but the fortnight was cold from the eastern Plateau to the Appalachians, particularly in Colorado, Kansas, and Nebraska. The whole month averaged warmer than normal in the Pacific States, and generally along the Canadian and Mexican borders and in the Atlantic States; but cooler than normal in the greater part of the country, the deficiency being about 6° per day in the middle Rocky Mountain and middle Plains regions.

Except in the Southwest and the far West the precipitation of the first half of April was mainly well distributed. Heavy snowfall occurred in Wyoming and adjacent districts about the 2d, and about the 6th rains of great importance reached most Gulf coast districts, as well as Oklahoma and Arkansas. The South Atlantic States had good rains late in the first decade, while early in the second decade there was a long period of moderate to heavy precipitation from New Jersey to Virginia and over portions of adjoining States, the precipitation being largely snow in the Appalachian districts and part of the Ohio Valley. On the whole, the precipitation of the first half of April was abundant in the Plains, and, except in the upper Mississippi Valley, Lake region, New England, and portions of the South Atlantic States, in the regions east of the Plains while farther west, the Middle and Northern Rocky Mountain region and the far Northwest had considerable. During the latter half there was decidely little rain in the far West, and usually but little in the southern Plains, the upper Mississippi Valley, and from western Pennsylvania to New Hampshire and Vermont. On the other hand there was much rain in the middle and lower Mississippi Valley, Alabama, and eastern North Carolina. The total precipitation of April

was heavy in much of the Gulf States area, Arkansas and southern Missouri, and a few other districts; and it was mainly ample east of the one hundredth meridian. West of the Rocky Mountains, however, it was scanty, also in eastern New Mexico and western Texas; but for Texas as a whole the average exceeded the normal, after 19 successive months in which the State average had fallen below normal.

During the middle and latter portions it was too cool and wet for good progress of corn or cotton, but small grains did well. In the Mexican border States the range was poor, but elsewhere, as a rule, pasturage was good.

MAY.

May was a changeable month as to temperature, especially east of the Rocky Mountains. The first week was mainly warm, save in the cotton States and New Mexico, and was remarkably warm in the principal spring wheat area. The second week showed an almost complete reversal, though the weather continued cool in New Mexico and warm in the Middle and North Atlantic States. The remainder of the month was mostly cool, like the second week, in regions west of the Rocky Mountains, and in more northern districts east of them as far as the upper Lakes; but elsewhere warm weather predominated. The month averaged about 3° cooler than normal in California, and cooler to a less extent in other regions eastward to the Rockies, also in the districts eastward near the Canadian border to Lake Superior, in the Rio Grande Valley, and in most of Florida. Otherwise the central and eastern districts had a warmer month than normal, with a marked excess, about 4° to 6° a day, from the lower Missouri Valley eastward over the Ohio Valley and southern Lake region to the Middle Atlantic coast.

Early in the month there was little rain of consequence save in Oklahoma, Texas, and southern New England, but about the 10th there was abundant rain in nearly all the eastern half of the country, also moderate precipitation in the Rocky Mountain region from central Colorado to central Montana, with unfavorably heavy falls in much of the Ohio Valley, the Ozark region, and Tennessee. During the balance of May the rainfall of importance fell chiefly in the Plains States, the middle and upper Mississippi Valley, the upper Lake region, from the Virginias northeastward to the Connecticut River, and in portions of Florida, Texas, and Montana. The rainfall of the whole month was scanty in most of Georgia, northern Florida, and thence westward to central Texas, also in a few other districts east of the Rocky Mountain States, while in those States and to westward only scattered localities received even moderate amounts for the season.

The weather during the early part of the month in many important districts was unfavorable for vegetation, especially cotton and corn; and potatoes and garden truck suffered some harm by frosts. However, the greater part of the month was favorable to eastward of the Rocky Mountains. In the far West ranges were mostly poor, particularly in the more southern districts, while fruit was injured in many localities by frost, especially in Idaho and adjacent parts of Nevada and Oregon.

JUNE.

The cool weather in the Rocky Mountain and Plateau regions gave way to warmth about the beginning of the month, and for the most part the first two decades of June were decidely warm, save in the Lake region and the Northeast, and even there considerable warm weather occurred between the cooler periods. From Nevada and Idaho eastward and southeastward to the middle Plains several days of unusually hot weather occurred about the middle of the month, mainly before the 15th in the western portion of the area named, but after in the eastern portion. The final decade was warm in Gulf districts, the southern half of the Plains, and nearly everywhere west of the Rocky Mountain Divide; but was cool in the Atlantic States, the Lake region, and the central valleys, also the last few days were cool in the northern half of the country farther westward to beyond the Rocky Mountains. About the 20–24th frosts were more widespread and damaging than had occurred so late in the season for many years, crops suffering in parts of Wisconsin, Michigan, Indiana, and States to eastward, including some high portions of West Virginia. The month averaged cooler than normal in the northeastern portion of the coun-

try, including the Lake region and most of the Ohio Valley and the Carolinas. It averaged warmer than normal almost everywhere else, with marked excess in the central and southern Plains, the central and northern Rocky Mountain region, and all parts of the Plateau States and the interior of the Pacific States.

On the opening days there were rains in Louisana, Arkansas, and Mississippi. During the remainder of the first decade there was ample rain in the greater part of the cotton region, in the upper Ohio Valley, and in a number of more northern districts east of the one hundredth meridian. During the middle decade rain of consequence scarcely occurred, save in Gulf coast and Appalachian districts. The final decade, on the whole, was more rainy than the preceding two had been, fairly well distributed rains reaching most central and northern districts east of the Mississippi River, most of Florida, Georgia, and the east Gulf States, much of Iowa and Missouri, parts of Oklahoma and South Dakota, and most of Colorado and Wyoming. The month, as a whole, was less rainy than usual, and there was poor distribution of what fell. In general, the Lake region and the Carolinas had very little, other regions east of the Mississippi had moderate to ample amounts, save there were marked excesses in much of Florida, the southern Appalachians, and New England. Nearly all of Iowa had ample to heavy rain, and parts of Louisana, Oklahoma, the Dakotas, Wyoming, and Nevada had fair to good amounts; but as a rule June was drier than normal to westward of the Mississippi River.

June was mainly favorable for farm work, also for development and harvesting of wheat, yet unfavorably dry in many sections for other small grains. Cotton and corn did well in most of the States where those crops are important, save for dryness in the more western of them. Pastures and meadows in a large part of the country suffered from dryness.

JULY.

Temperature conditions during July were decidedly changeable over most of the country, but upon the whole the first half of the month was cool in central and eastern districts and the last half warm, save that from Virginia to Florida and Alabama nearly all the month was cooler than normal, while in Texas and the southern Plains the month was hot throughout. In the West it was usually warm during the first decade, but afterward mainly cool in middle and southern portions, particularly in the Plateau region; while in the more northern States warmth continued to predominate till about the 23d, when there was a change to abnormal coolness. The month averaged cooler than normal almost everywhere east of the Mississippi River, also from Minnesota and the Dakotas southwestward to Arizona and California, but warmer than normal from southeastern Nebraska to the Rio Grande and the west Gulf coast, and usually in the far Northwest.

Until after the 20th rainfall was generally scanty and poorly distributed, though important rains did reach much of the North Central States area, the Rocky Mountain region and western Plains as far south as central Oklahoma and the Texas Panhandle, and the cotton States east of the Mississippi River. During the final week there were good rains in most regions east of the Mississippi River and in large portions of the northernmost States to westward. For the month precipitation was ample to heavy in Maine, over much of the Southeast, the middle Ohio and upper Mississippi Valleys, and in western Kansas, northeastern Colorado and adjacent districts. Elsewhere east of the Rockies it was usually less than normal, with a severe shortage from Missouri to Texas. There were considerable shortages also in lower Michigan, the vicinity of lower Chesapeake Bay, and the northern portion of Mississippi. To westward of the Rocky Mountains, where July falls are normally light, the various States all averaged close to the normal amounts.

The month was favorable for farm work, such as harvesting and haying; but growth of crops was hindered in some eastern districts by cool weather and in several large and important areas by dryness. Corn west of the Mississippi River and in some areas east of it deteriorated rapidly during the latter half of the month; cotton also suffered considerably in the west part of the belt. Pastures and ranges were mainly in good shape, save from Missouri southward and southwestward, where it was very dry.

AUGUST.

The first part of August was marked by a hot spell of great intensity, but fortunately of brief duration over most of the area affected. The area within which extraordinary temperatures prevailed was smaller than with the hot spells of July, 1901, and July, 1911, but apparently larger than in September, 1881. When August opened it was very hot in the Northwest, notably Montana, where, however, temperatures were by no means record-breaking. On August 2 and 3 the heat extended southeastward, and extremely high readings occurred in the middle Plains and lower Missouri Valley; and during the next three days the heat spread eastward to the middle Atlantic and Carolina coast. The area over which the heat at least closely approached the previous record covered eastern Kansas and Oklahoma, parts of Nebraska and Arkansas, nearly all of Missouri and southern Iowa, Illinois, the southern part of the Lake region as far east as extreme western New York, the Ohio Valley, parts of Tennessee and the Carolinas, the Middle Atlantic States, southern Vermont, and the western portions of Massachusetts and Connecticut. In Kansas the crest of the heat was on the 3d, near the Mississippi River usually on the 4th, in the Ohio Valley on the 5th or 6th, and in the Atlantic States on the 6th or 7th. At Sandusky, Ohio, the record of 100°, highest mark in a 40-year period of observation, gave way to 105° on the 6th; and at Atlantic City, N. J., 99°, highest in about 45 years, was replaced by 104° on the 7th. At Omaha the mark was similarly raised from 107° to 110°, at Detroit from 101° to 104°, at Philadelphia from 103° to 106°, and at New York from 100° to 102°. On the evening of the 7th there was marked relief for portions of the area affected, but moderate temperatures came to other portions only later and more gradually.

The first two decades were mainly hot from the Rocky Mountains eastward, though near the northern border there was little hot weather and considerable cool; also the Atlantic States were rather cool on the opening days of the month. In the cotton States the hottest weather was mainly about the middle of the month. In the central and eastern districts the final decade was mainly warm, save for decidedly cooler weather on the last few days of the month from the Upper Lakes westward. In the far West the first week and the last were mainly warm; the balance of the month mainly cool. The month averaged considerably warmer than normal in the Ohio and middle Mississippi Valleys and the middle and southern Plains; elsewhere east of the Rockies usually a little warmer than normal, but west of them usually a little cooler than normal.

During the first three weeks of August the rainfall was moderate to ample over most portions of the Atlantic and Gulf States, save Texas, also from east Tennessee to West Virginia, in nearly all parts of the upper Mississippi Valley and the Dakotas, and in much of Nebraska, the Texas Panhandle, Arizona, and northeastern Montana. Yet upon the whole this was a dry period, particularly in the middle and southern Plains, the central valleys, and the Lake region. During the final portion of the month there were important rains in many districts that had become very dry, notably eastern Kansas, the greater part of Oklahoma and of eastern and southern Texas, the lower Mississippi Valley States, the central valleys and nearly all the Ohio River drainage area; also considerable rain fell in districts from Pennsylvania to eastern North Carolina, in Georgia and southern Alabama, and in most parts of northern lower Michigan, upper Michigan, Wisconsin, Minnesota, North Dakota, and eastern Montana. The month as a whole was dry in most of the far West, and in a great many important districts elsewhere, though from the one hundredth meridian to the Atlantic coast distribution was remarkably irregular. Nearly all of Texas and of the principal corn-growing area had scanty rainfall, save close to the Mississippi River there were usually good amounts; there was little in northern Alabama or eastern districts of Florida, or near the coast from Chesapeake Bay to southwestern Maine. Except as noted, there was usually ample to heavy rain in the Atlantic States, and near the Gulf coast, also from the northern upper Lakes to northeastern Montana; and much of Arizona and New Mexico had considerable rain.

On the whole, August was favorable for farm work, but not for crop progress; cotton and corn did poorly for lack of moisture over great portions of the areas where they are chiefly grown,

and the rains near the end were too late, as a rule, to greatly benefit those crops where they had suffered heavily. Meadows and pastures, however, were mainly in good condition, at least when the month closed.

SEPTEMBER.

Although September began with warmth prevailing, save in the principal spring wheat region, a marked change to cooler soon came over most districts, so the first decade was cooler than normal almost everywhere save in New England and the far Northwest. This was the first 10-day period since early May that had been cooler than normal in the middle and southern Plains and the greater part of Texas. The remainder of September was mainly cool in central and eastern districts, particularly from the 16th onward in the Ohio Valley and Lake region, but was mostly warm to westward of the Rocky Mountains. As a whole, September was notably cool in the Ohio and upper Mississippi Valleys and southern Lake region, and cooler than normal almost everywhere east of the Rocky Mountain Divide, also in the Great Valley of California and the southeastern part of that State; but elsewhere in the far West the month was warm, notably so in western Oregon.

During the first half there were widespread, important rains in most central, northeastern, and South Atlantic districts, and later in the month in most parts of the cotton belt. There were unseasonably heavy rains about the 12th in the Sacramento and northern San Joaquin valleys of California, doing much damage to exposed drying fruit, grain, and hay. The month's precipitation was mainly well distributed and moderate to ample, though excessive in some districts, notably the Black Hills and New England. There were deficiencies in a strip from northern Louisiana to southern California, also from Wisconsin to eastern Montana, in Washington, and in a few other localities.

The cool weather was unfavorable for corn and cotton, yet most of the former crop was beyond frost injury; frosts did some harm, however, to potatoes, beans, and garden truck. Conditions were favorable for seeding winter grains, also pastures and ranges generally improved.

OCTOBER.

The first few days were rather cool in north-central and northeastern districts, also there was cool weather during the final week in the central part of the country. In the far West the first half was warm, and the closing days were hot near the coast of southern California. The month brought few abrupt changes in temperature, considering the season, and averaged warmer than normal at every principal reporting station, though sometimes by only a trifle; and every State average was above normal. The excess was marked in the east Gulf States, the Ohio and Missouri Valleys, and near the southern half of the coast of California.

During the first decade there was rain of importance in the Northeast, the central Gulf region, the southern Plains, and most middle and northern States west of the Rocky Mountains, with unseasonably heavy rains in much of northern and east-central California. The second decade had widespread rains, with particularly heavy falls in the lower Mississippi Valley. During the final decade there was important precipitation from the Rocky Mountain States eastward to the Mississippi and in northern districts farther east, and especially from the central Gulf States northeastward over the southern Appalachians. The month's fall was scanty in coast districts from the Carolinas to Massachusetts and in a few other localities; but was decidedly heavy in many southeastern districts, and comparatively heavy in much of the middle and southern Plains region.

The month was unusually favorable for maturing late crops and for growth of fall-sown grains. Pasturage was poor in some Atlantic States and ranges were poor in Arizona and southern California, but generally ranges and stock were in excellent condition.

NOVEMBER.

While the opening days were mainly cool in central and eastern districts, the latter part of the first decade was warm from the Plains eastward, and the second decade was warm in nearly the whole country. Early in the third decade a marked change to cooler overspread central and western districts, and extended gradually eastward; so the closing days were cool in most States. In the far Northwest and from the middle and northern Plains eastward the month averaged warm, and particularly so from the Dakotas to Lake Michigan. Elsewhere it was generally cooler than normal, notably from Wyoming and Utah southeastward to Texas.

The first half of the month had little or no rain in a great part of the area east of the Mississippi River, but rather widespread amounts to westward, with heavy falls near the Pacific coast, in Missouri and eastern Kansas, and in the west Gulf States. The latter half had a better distribution, on the whole, with heavy rainfall in the Gulf States during the final decade, at which time much snow fell in New Mexico, western Texas, western Oklahoma, and a large part of Kansas. The month's total fall was usually above normal in the southernmost third of the country, also from the southern Plains northeastward to the upper Lakes; but was below in Tennessee, the Ohio Valley, and most of the Northwest.

The month was remarkably favorable for winter grains, and in most districts for outdoor work, but rainy weather in the South caused some delay to plowing, sowing, and the gathering of late crops. Snow covering interfered with grazing late in the month in many middle and southern range areas near and east of the Rocky Mountain Divide, but in most of the country live stock was in good shape.

DECEMBER.

During part or all of the first week there was cool weather in most eastern and many central districts, but warmth soon prevailed over most of the country; in the central and southern portions of the far West, however, there was little weather much warmer than normal. Mildness was the rule till after the middle of the month in the West, and till the final decade in central and eastern portions, when colder weather succeeded, and the month ended with a rather severe cold wave covering the north-central States and extending southward and eastward. The month presented a remarkable temperature contrast with December of 1917, which had been so cold in central and eastern districts; December of 1918 averaged warmer than normal to eastward of the Rocky Mountain States, and in most of Wyoming, Montana, and Washington, and was 6° or more warmer than normal in the Ohio, Missouri, and middle and upper Mississippi Valleys, and the western Lake region. In the central and southern portions of the far West the month averaged somewhat cooler than normal.

During the first decade there was precipitation of importance in the Pacific States, but not in many other areas. In the second decade there was again much in the far Northwest, and in both second and third decades there was widespread precipitation over most central and southern districts between the Rocky Mountains and the Atlantic coast; from about the 18th to 20th heavy snow fell over most of Kansas and adjacent States, and about the 20th there were heavy rains in most Gulf districts. The precipitation of the whole month was generally much below normal in the Pacific States, save the western half of Washington, also in the northern half of the Plateau and Rocky Mountain States. There were deficiencies of moderate amount in most of Mississippi and parts of the States adjoining, in the Florida peninsula, and in New York and New England. Except as just named, the districts east of the Rocky Mountain States and south of the fortieth parallel of latitude had more than normal precipitation, with marked excess from Indiana westward to Kansas and thence southward to Texas. In Kansas and Oklahoma, northwestern Texas, and parts of New Mexico, Colorado, and Nebraska the snowfall was remarkably heavy, but in most of the country there was less snow than usual in December.

Live stock suffered considerably in the southern Rocky Mountain and southern Plains States because of cold and snow, but elsewhere generally fared better than usual in December. In most central and northern districts the month was more favorable than usual for outdoor work, but

in the South the rains were a hindrance. Fall-sown grains entered the winter in remarkably fine shape, owing to the favorable temperature and moisture conditions of the fall.

TORNADOES, 1918.

The following details as to tornadoes occurring during 1918 have been supplied chiefly by the officials in charge of the climatological services of the several States. A well-developed tornado may be very destructive, yet the path where damage is serious is usually narrow and seldom of great length; therefore, on any ordinary chart of the whole country the width must be much exaggerated in scale, and usually the length also, if the path of occurrence is to be made visible. Chart 5 indicates the geographic locations of tornadoes occurring in 1918, as summarized below; the arrows show the direction of storm motion when known, otherwise the most probable direction. The occurrence of tornadoes from year to year is very spasmodic, from the viewpoints of both frequency and location; consequently the indications of the chart for a single year should not be taken to represent the normal or usual condition. During the year 1918 there were fewer tornadoes than usual in the drainage area of the Ohio River, but probably rather more than usual in the central part of the country north of the fortieth parallel of latitude. East of the Appalachians and west of the Rocky Mountains tornadoes are of infrequent occurrence and in some places unknown.

Alabama.—On the afternoon of January 11 Robertsdale, Baldwin County, was visited by what is believed to have been a tornado; the path extended from southwest to northeast, and was about one and one-half miles wide. No person was killed or injured, but the property damage was considerable. Two other counties in the State were visited the same afternoon; quite likely one of these was the continuation of the Robertsdale storm, but it is almost impossible that both were on the track of a single tornado. China Grove, Pike County, seems more likely of the two to be in the path of the Robertsdale storm; here one person was killed, and considerable damage done to property. Cowarts, in Houston County, the most southeastern county of the State, was visited at 1:40 p. m., the path extending from southwest to northeast, and being about 200 yards wide; Webb, a short distance northeastward, was reached by the storm a few minutes afterwards, and the path, in all, was 10 to 15 miles long. There were 12 killed, and property damage was about $100,000.

On the afternoon of February 14 Elmore and Wetumpka, Elmore County, were visited by a single tornado, which moved east-northeastward. Several houses were demolished, but no person was reported as killed or injured.

Arizona.—No tornadoes reported.

Arkansas.—A tornado was reported at Newport on April 3, one person being killed. On the 17th there was a tornado at Amity, Clark County, in the southwestern part of the State; while other reports for the same day show what was probably one storm visiting three places in the northeastern part of the State—Kensett, in White County; then about 28 miles northeastward, Tupelo, in Jackson County; then about 45 miles farther northeastward, Jonesboro, in Craighead County. This storm, or group of storms, alone of the tornadoes of April in Arkansas was of large proportions. On the 19th tornadoes were reported at Hope, Hempstead County, and at Jelks, Woodruff County, two places far apart. On the 27th a tornado was reported at McNeil, Columbia County, in the southern part of the State. These various April tornadoes, although no deaths occurred save at Newport, injured 31 persons, as far as known, and caused property destruction to the extent of over $140,000, the greatest damage being at Kensett, Tupelo, and McNeil.

On May 10, in the afternoon, there was a small tornado at Mulberry, Crawford County, moving from the southwest, with path about 80 rods wide. Nobody was injured, but property valued at $8,000 was destroyed.

California.—No tornadoes reported. The violent local storm at Pasadena, January 26, is considered not to have been a tornado.

Colorado.—No tornadoes reported.

Florida.—No tornadoes reported.

Georgia.—No tornadoes reported.

Idaho.—No tornadoes reported.

Illinois.—There were 5 tornadoes noted, all in May. Three of these were on the 9th. The first seems to have started near Jacksonville, Morgan County, whence it moved southeastward. It passed through Franklin at 2:30 a. m., then curved to northeastward; it lifted for a few miles, then did damage for a mile or two, then disappeared. But what was probably the same storm manifested itself 50 or 55 miles east-southeastward from the place of disappearance, at Lakewood, Shelby County, at 4 a. m.; it moved southeastward through the southern portion of Effingham County, then through Clay County and part of Richland County. The place where it was last noted in Richland County is about 130 miles from Jacksonville. The path of great damage in Franklin was 100 to 150 yards wide, and in this place the storm caused two deaths. Altogether there was damage to the extent of fully $130,000. The second and third of the storms of May 9 occurred in the evening, in counties considerably farther north. One passed through parts of Stark and Bureau Counties, moving northeastward; it caused 3 deaths and $22,000 property loss. The other traversed parts of Ogle and Boone Counties, moving first eastward, then northeastward; while no fatalities are reported, the damage is estimated at $300,000. On May 12 a tornado visited northern Pope County and southeastern Saline County, in southern Illinois, about noon. It moved northeastward, but, as far as known, covered only a few miles in its path. One fatality resulted, and there was considerable property damage. The last tornado reported in the State was on May 21, beginning about 8 p. m. (summer time) in the southwest part of Stark County, 12 miles southwest of Wyoming. It moved east-northeast or northeast into Marshall County, and while there is an interval of several miles whence no reports have come, it is probable that this is the same storm that visited the northern part of La Salle County at 10 p. m. and caused damage in villages near Aurora, Kane County. This would mean a total distance covered of nearly 100 miles, the path of severe destruction in the early part of its course being 300 to 1,300 feet wide. No deaths were reported, but several persons were injured; and in Stark County alone the property damage is put at $235,000, but it was probably much less in the other counties.

Indiana.—No tornadoes reported. The destructive local storm at Terre Haute, July 28, is believed not to have been a tornado.

Iowa.—Eleven tornadoes have been reported, all but the last occurring during May. On the 8th a small one moved northeastward in southeastern Hamilton County about 4 miles. On May 9 the second and third of the May storms were noted; the second moved northeastward from the northeast portion of Butler County, over the meeting point of Butler, Floyd, Bremer, and Chickasaw counties, then on across Chickasaw County and much of the southern part of Winnesheik County, about 54 miles in all, causing the death of 8 persons and damage of $500,000; the third started in southwestern Muscatine County, probably within a few minutes of the time the second ended, and from Muscatine County it moved to northern Scott County, in all about 42 miles, resulting in the death of one person at Eldridge, and doing about $100,000 harm to property. The starting point of this third tornado is about 100 miles to southward and somewhat to eastward of the ending point of the second tornado. The fourth tornado of the month according to reports, passed likewise through Eldridge, 10 days after the third one (May 19), at nearly the same hour of the day; although 2 deaths resulted, the track was short and the property loss small, as far as reported.

On May 21 there were not less than 5 tornadoes, here called the fifth, sixth, seventh, eighth, and ninth of the month; though at first, when reports as to the seventh and ninth and the last portion of the track of the fifth were not at hand, it was thought likely there had been but one tornado, with a very long path. The fifth tornado moved from Crawford County to Hamilton County, about 69 miles, in a little more than two hours; its general direction was east-northeast, while all the other May tornadoes in Iowa had their general direction northeast; the path varied in width from 800 feet to two and a half miles, and 6 deaths and property damage of

about $500,000 resulted from the storm. The sixth moved from Boone County to Grundy County, about 67 miles, with path varying in width up to two and a half miles near Hubbard, Hardin County; however, eyewitnesses thereabouts state there was more than one tornado, one person declaring he saw at least five; 10 were killed and property damage of about $900,000 was wrought, all the deaths but one and more than half the damage occurring in the city of Boone. The seventh tornado moved from Jasper County to Tama County, about 41 miles, in about two hours; then, about one hour and forty-five minutes after it was last seen in Tama County, what was rather probably another manifestation of the storm, but may have been a distinct storm, visited the northwestern part of Linn County, nearly 50 miles to northeastward; there were two fatalities and property damage amounted to about $400,000 The eighth storm, started in southern Clayton or northern Delaware County, and traveled 12 miles in Iowa to near Guttenberg, where it crossed the Mississippi River into Wisconsin, continuing about 85 miles farther in that State; the path in Iowa was about half a mile wide at the greatest, but considerably less where the destruction was most marked; none were killed in Iowa as far as known, and the property damage was $30,000. This eighth storm passed a little to southward of Elkport, Clayton County, and about one hour and a half afterward another tornado, the ninth of May, passed about two miles north of Elkport, and continued to near Garnavillo, in the same county; its path was apparently only 10 miles long, and no deaths and but little harm to property have been reported. The last Iowa tornado during May was on May 31, from central Hancock County to northern Worth County, about 32 miles; reports indicate no fatalities and but about $20,000 property loss. These various tornadoes in Iowa during May were in no case in the northwestern portion of the State, nor anywhere in the three southern tiers of counties; they occurred between 2.15 p. m. and 8 p. m.; and they caused 29 deaths and about $2,400,000 property damage.

The remaining tornado of the year in Iowa came on July 14, and was remarkable in a number of respects; it occurred in Pottawattamie County, near Weston, farther south and farther west than any of the May tornadoes; its hour, 9.30 p. m., was somewhat later than any of the May storms; it moved to southeastward, a direction quite different from anything shown by the May storms. The path was decidedly short, damage slight, and no fatalities have been reported.

Kansas.—What was probably a tornado of less energy than the average, but may have been a violent, local, nonwhirling storm, or a series of such, visited southeastern Kansas the evening of February 27. Nobody seems to have seen a whirling cloud, but as the storm was first noted after dark the failure does not prove the storm to have been other than a tornado; the brief period of high winds, the noise they made, the shifting of direction, and the fact that débris of buildings usually fell outward, lead to the opinion that the storm was a tornado. At Grenola, Elk County, the storm occurred about 8 p. m.; this is the farthest west point of those reporting the storm as passing over or near; the other places lie reasonably near to a line drawn from Grenola which curves to some extent, but has a strongly northeastward general direction. The track lies through Greenwood and Woodson counties, across Allen County, where Iola reports very high wind, with roaring noise, at 9.08 p. m.; the direction at Iola office being northeast when the wind was highest. The track goes through part of Bourbon County, then through Linn County, where Pleasanton reports the hour as 10.15 p. m.; this point is slightly more than 100 miles from Grenola and but a few miles from the Missouri border. The first Missouri county, Bates, reports a tornado which was noted within a short distance of the Kansas border, with track in good agreement with the Kansas line continued northeastward, the hour in Bates County being 10.30 p. m.; however, in Missouri the storm was noted over only a few miles. In Kansas the width of the path was not reported, no person was killed or injured, as far as known, but many head of stock were killed, and the damage is put at $200,000.

There were at least 3 tornadoes in Kansas on May 20, and 2 others occurred by the end of May. On May 20, about 5.50 p. m., a tornado cloud formed in Logan County about 4 miles southeast of Russell Springs, and for three minutes it traveled northwestward—an unusual direction; then it lifted, but it is said to have dipped to the ground again, now moving north-

eastward, and to have continued till its path in all was about 25 miles long, the width varying from a few rods to half a mile; nobody was killed and the damage was but $10,000. At almost the same time, about 60 miles to eastward, a tornado occurred in Trego County, 10 miles south east of Wakeeney, about 6 p. m.; its path was about 3 miles long and half a mile wide; no person was killed, but about 200 head of stock were, and the damage was considered at least $100,000. Much more severe was the combination of thunderstorms and one or more tornadoes which, late the same day, devastated a strip from western Ellis County, about 15 miles west of Hays, to the northeastern part of Osborne County, north of Bloomington, from 9.30 p. m. to midnight (summer time); the total length of the path of destruction was about 65 miles, and in places almost 15 miles wide, Ellis and Codell suffering greatly; 10 persons were killed and the damage was estimated at $450,000. On May 26, at 5.45 p. m., a tornado formed two or three miles southwest of Bern, Nemaha County, and, moving northeastward, passed through that town, doing much damage; this storm apparently ended near Falls City, Nebr., with path about 22 miles long and 500 feet wide; nobody was killed, as far as known, but 5 were hurt, and property was injured to the extent of $50,000. On May 29 a small tornado occurred east of Hoxie, in Sheridan County, causing some damage; but details as to the storm have not been obtained.

Kentucky.—No tornadoes reported.

Louisiana.—No tornadoes reported.

Maryland and Delaware.—No tornadoes reported.

Michigan.—A storm which was probably a small tornado visited western St. Clair County on May 10, about 2 a. m., doing about $20,000 damage, largely to barns, orchards, and telephone poles, a great part of the damage being near Capac. Some of the wreckage indicates a decided whirling motion. No lives were lost.

On September 7, about 1.15 p. m., what appeared to be the funnel-shaped cloud of a small tornado was observed about 5 or 10 miles southeast of Howard City, which would mean in the western part of Montcalm County or the northeastern part of Kent County. This cloud seemed to reach down to the ground and was visible about 30 minutes, but other details are not obtainable. On September 18, about 11.30 a. m., a small tornado moved northeastward in northern Ottawa County, about 5 miles southeast of Grand Haven, the path being traced fully 800 feet, with width of 50 feet. The funnel-shaped cloud and spiral winds were noted. Injury to farm buildings and trees amounted to about $150, but no lives were lost.

Minnesota.—There was probably a tornado or group of tornadoes in Big Stone County on May 18, the observer at Artichoke Lake reporting that at 9.15 p. m. a tornado from the southwest struck the place and that "a lot of property was destroyed, but no lives were lost. * * * There were several twisters."

The most destructive tornado known in Minnesota for many years struck Tyler, Lincoln County, on August 21, at 9.20 p. m., and destroyed most of the business part of the town. The storm probably originated near Elkton, S. Dak., and traveled east-northeastward, crossing all or practically all the width of Lincoln County, the total length of path being not far from 20 miles. The storm caused the loss of 36 lives and about $1,000,000 worth of property.

Mississippi.—A severe local storm, with some of the characteristics of a tornado, struck Camp Shelby, Forrest County, on April 17, at 1.30 p. m., moving southeastward, with path 75 feet wide. One soldier was killed, about 20 persons were hurt, and damage to the amount of $20,000 was done.

Missouri.—On February 27 a tornado of minor intensity, which is probably the storm that traversed a path of about 100 miles in Kansas, passed over northern Bates County, near Adrian. The débris indicated rotary winds. In Missouri no deaths or injuries have been reported, and but $25,000 property damage.

On April 2 there were two tornadoes in Missouri. Between 6 and 6.30 p. m. a tornado that was decidedly violent at times passed eastward through Mineola and Danville and near the southern edge of New Florence, all in Montgomery County; the path was about 8 miles long, and varied in width from one-eighth to one-half mile; three were killed and property was damaged

to the extent of $40,000. A few minutes later, some 150 miles to southeastward, east-central Stoddard County was swept by a short-lived tornado, moving eastward or northeastward and injuring especially Huntersville and Grayridge, about a mile apart; the width of path is reported as one-fourth to one and a half miles, at least three persons were killed, and property loss is estimated at $200,000.

June 24 brought two tornadoes, or possibly one, eastern Sullivan and northern Adair Counties being visited, with the Adair County track practically a continuation of the Sullivan County one; the reports of hours of occurrence, while not very definite, make it likely that in each county the storm was seen first about 6 p. m. In Sullivan County the tornado formed to the east of Boynton, and moved eastward rapidly to the vicinity of Green City, then to a point north of Green Castle, probably over 10 miles in all; in a 6-mile track near Green City, over a width of from one-fourth to one-half mile, the storm was very violent and destruction was practically complete, but farther to east the storm touched the earth only occasionally; 7 were killed and 10 others badly hurt, while the damage to buildings and live stock was about $35,000. The track of the Adair County tornado led northeastward, starting near Connelsville and extending to a point about 22 miles away, but in this distance doing damage only here and there, for a mile or less each time; the storm seemed of minor force, and while it damaged or scattered much hay and grain the injury to buildings and stock was but about $7,000. On June 30, at an unreported hour in the late afternoon, a small tornado in Pulaski County, south of Crocker, damaged buildings and timber to the extent of about $900.

On September 2, at about 4.30 p. m., a tornado cloud was seen near Sparta and Ozark, Christian County, in the southwestern portion of the State; the general direction of its motion was from southwest to northeast, and for a large part of the time it was under observation it did not reach down to the ground, but did thrash the tops of trees; however, some trees were torn up, barns blown down, and wheat stacks scattered about, the total damage being comparatively slight. The length and width of path were not reported.

Montana.—No tornadoes reported.

Nebraska.—On May 18, about 5.30 p. m., a tornado developed near the center of Wheeler County and moved northeastward about 95 miles, the last 5 being in South Dakota, for the storm crossed the Missouri River near St. Helena, Cedar County. The width of path varied from about 300 feet to nearly a mile. Three persons were killed, and the damage to farm buildings and crops, while it can not be closely estimated, was probably several hundred thousand dollars. The other tornadoes of the year, all occurring later in May, caused no deaths as far as known, and relatively little damage. On the 24th a very small tornado traversed a short path in Red Willow County, in southwestern Nebraska, not far from the Kansas border. On the 26th a tornado that started near Bern, Nemaha County, Kans., according to reports from observers in Kansas, continued to the vicinity of Falls City, Richardson County, Nebr.; if the path was relatively straight between Bern and Falls City there was a path of about 10 miles in Nebraska. Another small tornado traversed a short path in Clay County on the 30th.

Nevada.—No tornadoes reported.

New England.—No tornadoes reported. The severe winds in New Britain, Conn., on June 12 are believed not to have been tornadic.

New Jersey.—No tornadoes reported.

New Mexico.—No tornadoes reported. The windstorms at Socorro, May 28, and Espanola, June 30, are thought not to have been tornadoes.

New York.—On May 25, at 5.30 p. m., a severe storm, apparently a tornado, occurred near West Bloomfield, in the northwestern part of Ontario County, moving to southeastward and leaving a path of great destruction about 20 rods wide and 2 miles long. There was damage to buildings, orchards, and live stock, and a little to crops.

On September 13, about 2.07 p. m., a tornado struck Perth Center, Fulton County; it moved first northeastward, then more to northward, and the path was probably not many miles long, as no other place reported the storm, the width ranging from 25 to 450 feet. Two persons were injured as a result of the storm, and damage to buildings and crops was about $5,000.

North Carolina.—On January 11, at 10.35 p. m., a tornado occurred at Occoneechee, Orange County, in the north-central part of the State. It moved northeastward for about 3 miles, the width of its path being 300 yards. No lives were lost, but the damage to buildings and timber was about $40,000.

North Dakota.—On June 25, about 7.30 p. m., there was a tornado near Langdon, Cavalier County, in the northeastern portion of the State. It moved toward the southeast for about 6 miles, its path being about 400 feet in width. No lives were lost, but the property loss was estimated at $5,000.

On August 20, about 10 a. m., a tornado was noted north of Zeeland, McIntosh County, near the southern edge. It moved northeastward about 14 miles, with path one-half mile wide. No lives were lost, but buildings and implements suffered damage.

Ohio.—On June 10 a tornado passed across central Fayette County, moving east-northeastward. It was noted near Jonesboro, and passed close to Washington Courthouse, its path being probably about 5 miles long, with width not stated. No lives were lost, and the property loss, chiefly to out-buildings, was small. On June 21 a tornado appeared near Siam, in the eastern part of Seneca County, unroofing a freight depot and destroying several barns; it was next noted at Attica Junction, only a short distance away; then apparently passed over Crawford County, but dropped to earth again in northeastern Morrow County, about 25 miles southeast of Attica Junction, where barns, orchards, and wheatfields were damaged. No loss of life was reported, but the property loss reached several thousand dollars.

Oklahoma.—A tornado occurred at Fairfax, Osage County, in northern Oklahoma, on February 27, between 8 and 8.30 p. m. The length and width of the path are not known, but the storm is said to have moved from northeast to southwest. This direction seems remarkable, if accurately reported; especially as the tornado in southeastern Kansas the same evening, started at about the same hour 60 or 70 miles to northward, and by the reported times at points on its track is well proved to have moved northeastward. The Fairfax tornado killed 2 persons and damaged buildings, trees, fences, etc., to an extent not reported.

On April 30, between 3 and 4 p. m., a tornado developed a few miles northeast of Shawnee, Pottawatomie County, and moved northeastward into Lincoln County, passing a mile east of Prague. The path was about 17 miles long and from 200 to 600 yards wide. While nobody was killed, several houses were demolished or injured, live stock was killed, fences were destroyed, and fields were swept clean of growing crops, though no estimate is given of total property damage.

Prague, Lincoln County, was visited by a tornado November 15, between 5 and 5.30 p. m. The storm moved to northeast, and its path of destruction was about 100 yards wide. One person was killed and 5 were hurt; 14 buildings were destroyed and several others injured, the total damage being about $20,000.

Oregon.—No tornadoes reported.

Pennsylvania.—A tornado occurred in McKean County, northwestern Pennsylvania, near Aiken, on the evening of May 25, the exact hour being unreported. The direction was northeastward, and while length of path is unknown, the width in some woodland was noted as 300 to 400 feet; besides the timber, many derricks were injured, the total damage being about $125,000; but no lives were lost.

On November 17, shortly after 11.30 p. m., what was probably a tornado swept over Riverside, a northwestern suburb of Harrisburg; neither direction of movement nor length of track is reported, but width is stated as about 500 feet. Two persons were slightly injured, but none were killed; however, two old frame houses were demolished, and several other houses were damaged more or less, the total property loss being about $50,000.

South Carolina.—A small, well-defined tornado appeared near Hampton, Hampton County, November 17, about 6.30 p. m. It moved eastward about 12 miles, to the Salkahatchie River, with path about 150 feet wide. One person was killed and 8 were hurt, while the property loss was about $15,000.

South Dakota.—On May 9 a wind of high velocity, probably a tornado, occurred at Stephan, Hyde County, near the center of the State. There was some damage to buildings, but nobody was hurt; other details are lacking. There were several tornadoes on May 18. In the northeastern part of the State, in eastern Brown County, one came at an hour not reported, injured two persons, caused damage to buildings and crops estimated at about $60,000, and caused some loss of live stock. About 7.30 p. m., more than 100 miles to southward, a small tornado passed through Woonsocket, Sanborn County, moving toward the northeast, its path being about 700 feet wide; some buildings were unroofed, but neither property damage of other character nor personal injury was reported. Approximately 100 miles to southeastward, about 8 p. m., the tornado, which had already traversed a course of about 90 miles in Nebraska, crossed the Missouri River into South Dakota, at a point 9 miles southeast of Yankton; it continued northeastward for about 5 miles, its path being half a mile wide; in South Dakota 6 were hurt, houses and other buildings were demolished, and trees were injured or destroyed, the property loss being about $30,000. What was quite likely the same tornado, at a point east of Fairview, Lincoln County, killed 1 man and 6 horses; the hour is not stated; but the tornado which crossed from Nebraska, had it continued about 40 miles northeastward from the point where it was last noted near Yankton, would have been near Fairview. Five days later, on May 23, another and smaller tornado passed through Woonsocket, causing slight damage to buildings.

On June 25, at 7.45 p. m., Fairfax, Gregory County, close to the southern boundary of the State, was struck by a tornado. No details of direction or length of path or width are reported. No person was hurt, but loss through killing of stock and destruction or damage of buildings was about $10,000.

On August 3, at 7 p. m., a small tornado from the northwest passed near Dowling, Haakon County, in the west-central part of the State, injuring some cattle and upsetting wagons.

On August 9, at an evening hour not reported, a tornado occurred 6 miles north of La Delle, Spink County, and completely devastated a short path about 700 feet wide, killing some horses and destroying fences and crops. About 40 miles away, in Day County, in direction between northeast and north-northeast, a tornado passed about 6 p. m., possibly the Spink County storm farther along on its path; in Day County, near Bristol, there was damage to grain and to buildings. On August 10, about 8.30 p. m., there was windstorm damage at two points in Perkins County, in the northwestern part of the State; 4 miles west of Meadow a granary and cattle shed were blown over, while 2 miles southeast of Meadow shocks of rye were badly scattered; these were thought to be the work of tornadoes, rather likely a single storm. On August 21, the storm that struck Tyler, Lincoln County, Minn., is thought to have started near Elkton, Brookings County, S. Dak.; but at most its path in South Dakota was short.

Tennessee.—No tornadoes reported.

Texas.—During the afternoon and evening of April 14 a number of tornadoes occurred in portions of Callahan, Throckmorton, Young, Jack, Clay, Wise, Denton, and Grayson counties, in northwestern and north-central Texas, causing the death of 9 persons and property loss of about $500,000. All the storms were attended by typical funnel-shaped clouds with rotary winds, and moved northeastward, their progressive motion being slow, in some cases perhaps not more than 5 miles an hour. Consideration of the places whence information comes and the hours of occurrence reported leads to the belief that there must have been at least 6 distinct storms. The earliest hour named is for the Callahan County tornado, about a mile east of Baird, at 3 p. m.; width of path 100 yards, no fatalities, damage to buildings, freight cars, and trees about $3,000. It is not unlikely that this was an early manifestation of some one of the three Young County storms, which were noted about 60 or 70 miles to northeastward from two to four hours later. The hours of occurrence in Young County are stated as 5.30 at Olney, in the northern portion; 6 at Proffit in the southwestern portion; and 6.30 at Padgitt in the extreme western portion. As no one storm moving in a direction at all near northeast could have been at any two of these places at the times named, it is thought there were three distinct storms in the county. Proffit reports width of path as three-fourths of a mile, which is much greater than the width of path reported that day at any other point in Texas; and the one storm

death in Young County was there. As to damage, however, Olney reports far more than the other points combined, no less than $100,000. No place in Throckmorton County is specified as visited by tornado, but probably the damage in that county was the work of one of the Young County storms before it entered the latter county; Padgitt, especially, is but a short distance east of the Throckmorton County line. Postoak, Jack County, the next county east of Young, was visited at 5.50 p. m.; this storm was quite likely the Olney tornado, for Postoak lies about 32 miles east-northeastward from Olney, and the narrowness of the path at each place is notable; at Postoak one death resulted and there was damage amounting to $40,000. It is even more likely that the Postoak tornado is the same one that visited Bellevue, Clay County, at 6 p. m., Bellevue being 18 miles north-northeast of Postoak; Bellevue reported a narrow path, and small property loss, but 3 persons killed. A few minutes afterward, several miles to southeastward, there was damage in Wise County, Paradise reporting the storm visit at 6.30, and Boyd at 7; this seems to indicate 2 distinct storms, as Boyd is 8 miles southeast of Paradise; the path in each place was wide; Paradise reported slight damage and 1 death, but Boyd great damage ($100,000) and 2 deaths. Denton County, the one next east of Wise, reports tornado visits at Roanoke and Aubrey, time not stated at the former, but 8.15 p. m. at the latter; as Roanoke is 22 miles east-southeast of Boyd, it is probable the Roanoke tornado is not the Boyd or the Paradise tornado, but it seems very probable that one and the same storm visited Roanoke and Aubrey; Roanoke reported one death and did not mention damage, while Aubrey reported no fatality but 18 persons hurt, and $200,000 damage, or far more than at any other place in the State that day. The length of path is not stated in any report, but the width varied from 100 yards to one-fourth mile, with no statement as to Denton County, except for the width of three-fourths of a mile at Proffit, Young County. On the morning of the following day (that is, April 15), at an hour not reported, a small tornado visited Bartlett, Williamson County, beginning a half mile west of the town and traveling northeastward about 6 miles, with track about 300 yards wide; it demolished or damaged many buildings, uprooted a number of trees, and harmed crops to some extent. The place of occurrence is about 130 or 140 miles southeast of Baird which reported the earliest tornado visit of the previous day, and a slightly greater distance south of Aubrey, which reported the latest visit.

On October 22, about 1.30 p. m., a tornado of moderate energy passed over Waller, Tex., moving northeastward. The path of destruction was about three blocks wide, and the damage to buildings was estimated at $10,000.

Utah.—No tornadoes reported.

Virginia.—A short tornado of only moderate energy passed about a mile north of Bachelors Hall, in the southwest portion of Pittsylvania County, moving eastward, about 4 p. m., April 30; the track was about 100 yards wide. The funnel-shaped cloud was seen, and the débris showed the effect of rotary winds. No person was killed or injured, but 5 houses were unroofed, fruit trees and standing timber were laid waste or damaged, and much cord wood was scattered. the total property loss being estimated as $1,600.

Washington.—No tornadoes reported.

West Virginia.—No tornadoes reported.

Wisconsin.—On May 19, about 1 a. m., a tornado formed near Ladysmith, Rusk County, and passed northeastward into Price County, being last noted near Phillips, which is approximately 40 miles from Ladysmith, about 4 a. m.; the path of great destruction was 200 to 300 feet wide, but not continuous, damage being done only in places; 1 person was killed and 2 were injured, and property damage was estimated at $50,000. On May 21 a tornado which had already traversed about 12 miles in Iowa crossed the Mississippi River from that State into Wisconsin about a mile south of Glenhaven, shortly before 6.30 p. m.; it continued across Grant County, passing about 6 miles north of Lancaster, at 7 p. m., then across northwestern Iowa County and the southeasternmost part of Richland County, where it passed over Lone Rock at 7.30 p. m., and continued nearly across Sauk County, where it passed Plain at 8 p. m. and Baraboo at an hour unreported, its course being northeastward over the 85-mile path in Wisconsin, while the width ranged from 100 to about 1,300 feet; the damage was not severe

save in a few places, but is estimated at about $650,000, and 8 persons were killed, besides about 100 injured.

On June 26, about 8 p. m., a tornado formed in the northeastern part of Wood County, in central Wisconsin, and moved eastward a few miles into the northwestern part of Portage County, where it was last noted about 8.30 p. m. The width of the path of destruction was only about 150 to 200 feet, and owing to the fact that the country traversed was thinly populated the damage was not great, being estimated as $15,000, while 1 person was injured.

Wyoming.—On May 26, about 1.45 p. m., a violent local storm, which was probably a small tornado, passed northward over Green River, Sweetwater County, in the southwestern part of the State. According to eyewitnesses the storm split about 500 yards south of the town, which was probably near the point of origin, and the larger funnel went eastward, but did little or no damage, because it passed over open country. The other funnel went northward and struck the town in three places, the path in all being about 2 miles long and from 20 to 75 feet wide. No personal injuries were reported, but damage to buildings amounted to about $1,500.

HAIL, 1918.

Charts 6 and 7 show the occurrence of hail during the warm season (April to September) of 1918, as indicated chiefly by the records of the regular and cooperative stations of the bureau. In preparing these charts effort has been made to show two degrees of intensity—moderately heavy hail, resulting in only slight damage, and heavy or destructive hail. Hail too light to cause damage fell at thousands of stations, and it is considered needless to chart such falls. Hailstorms are often extremely local in character, and in their occurrence from year to year show much irregularity; so the distribution indicated on the accompanying charts should not be construed as the usual condition.

In a few cases severe falls of hail are known to have occurred over paths of sufficient length to justify the use of lines, rather than dots, on Chart 7. One of these occurred near the shore of Lake Ontario, west of Rochester, N. Y., on April 21, another southwest and south of Rochester on July 3, a third in central Delaware and southern New Jersey on June 12, and a fourth on the same day, apparently a distinct storm, in southeastern Maryland. It is likely that in other cases, if a large number of well-placed reporters had been available, the information received would have justified the use of a line instead of a series of unconnected dots.

LOSS FROM WINDSTORMS, 1918.

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 windstorms, other than tornadoes, during the year 1918; and the results appear in the following table. The amounts of property damage given are estimates only, and in a large part of the cases it was impossible to obtain even rough estimates of loss, in which cases symbols are entered to indicate that losses occurred of which estimates are not possible; however, in the majority of such cases the losses were apparently less than the average loss in the cases where estimates are stated. Loss from wind only is included in the table; deaths and fire losses from lightning, and deaths and losses by freezing in a blizzard are omitted, even though high winds did occur at the same time. Of the larger losses of life during 1918, all 34 deaths in Louisiana resulted from the tropical hurricane of August 6; and 13 of the 15 reported from Florida resulted from the hurricane of September 27–28; while 12 of the 18 reported from Kentucky occurred when a high brick wall at Winchester was blown over on March 9.

Losses from windstorms, other than tornadoes, by months and sections, 1918.

Sections.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.	Number of lives lost.
Alabama	(1)					(1)	(1)				[2] 5,000	(1)	[2] 5,000	
Arizona	(1)						(1)						(1)	
Arkansas														
California	10,000	(1)									(1)		[2] 10,000	
Colorado					300	100			(1)				[2] 400	2
Florida	[2] 3,000		(1)	(1)		34,150	500		300,000				[2] 337,650	15
Georgia	(1)	(1)		(1)		[2] 50,000							[2] 50,000	4
Idaho							(1)						(1)	
Illinois		(1)	(1)	(1)	(1)	(1)	(1)	(1)			(1)		(1)	
Indiana		(1)	(1)				(1)				[2] 150		[2] 150	
Iowa			4,000	(1)	(1)	[2] 5,000	(1)	(1)					[2] 9,000	
Kansas				(1)	(1)	25,000	2,000	(1)		(1)			[2] 27,000	1
Kentucky		(1)		[2] 100,000	70,000	(1)			(1)				[2] 170,000	18
Louisiana								5,000,000					5,000,000	34
Maryland and Delaware		(1)											(1)	
Michigan			(1)		[2] 1,000	20,000				(1)			[2] 21,000	
Minnesota					(1)								(1)	
Mississippi	(1)					(1)		10,000			(1)	(1)	[2] 10,000	
Missouri	(1)	(1)	[2] 204,000		[2] 5,000			(1)	(1)				[2] 209,000	3
Montana				(1)									(1)	
Nebraska			(1)										(1)	
Nevada			(1)										(1)	
New England		(1)				(1)	(1)	(1)					(1)	
New Jersey		(1)				(1)		(1)			(1)		(1)	
New Mexico		(1)			(1)	(1)							(1)	
New York	(1)	[2] 1,000,000			[2] 5,000			(1)					[2] 1,005,000	
North Carolina	(1)							(1)					(1)	
North Dakota						(1)	[2] 2,000	50,000					[2] 52,000	
Ohio		(1)					(1)	(1)	(1)	(1)			(1)	1
Oklahoma						[2] 500,000			50,000				[2] 550,000	
Oregon														
Pennsylvania		(1)	(1)		(1)	(1)		(1)					(1)	
South Carolina	15,000												15,000	
South Dakota					(1)			1,000					[2] 1,000	
Tennessee		(1)	(1)	(1)		(1)							(1)	
Texas	(1)	(1)		(1)	(1)	(1)	(1)	(1)		(1)	(1)		(1)	
Utah		(1)	(1)		(1)		(1)				(1)		(1)	
Virginia	(1)	(1)	(1)	(1)		(1)		(1)					(1)	
Washington	(1)	(1)	(1)			(1)		(1)		(1)	(1)	(1)	(1)	
West Virginia														
Wisconsin			(1)		[2] 130,000			(1)					[2] 130,000	1
Wyoming														

[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, 1918.

[Data furnished by the Canadian Meteorological Service.]

Stations.	Pressure in inches.			Temperature.						Precipitation.		
	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	29.73	29.87	−.04	39.5	−1.0	47.0	32.1	80	− 2	51.05	− 3.58	118.0
Sydney, Cape Breton Island	29.92	29.97	+.03	41.7	+0.4	50.5	32.8	88	−12	47.09	− 3.19	136.0
Halifax, Nova Scotia	29.86	29.97	.00	42.9	+0.1	51.4	34.3	88	−13	53.32	− 3.71	123.4
Yarmouth, Nova Scotia	29.89	29.96	−.02	42.8	−0.4	49.9	35.9	79	− 3	49.66	− 0.67	95.8
Charlottetown, Prince Edward Island	29.90	29.94	.00	40.8	−0.2	47.7	33.9	84	−16	40.40	− 1.22	108.4
Chatham, New Brunswick	29.94	29.97	+.03	39.4	+0.7	48.9	30.0	94	−26	47.05	+ 5.76	110.0
Father Point, Quebec	29.92	29.94	+.01	34.1	−0.7	41.4	26.6	78	−24	30.05	− 2.94	62.2
Quebec, Quebec	29.65	29.98	.00	38.4	+0.2	46.6	30.4	88	−27	53.79	+12.07	113.9
Montreal, Quebec	29.77	29.98	−.01	42.0	+0.5	49.6	34.5	92	−24	47.24	+ 6.25	118.3
Stonecliffe, Ontario	29.36	29.98	−.01	39.1	+0.9	50.2	28.0	96	−36	27.62	− 2.84	63.4
Ottawa, Ontario	29.73	30.00	.00	41.8	+1.2	51.9	31.8	94	−26	40.81	+ 8.21	112.3
Kingston, Ontario	29.69	30.01	.00	43.3	+0.2	51.7	34.9	90	−27	33.05	+ 0.24	47.6
Toronto, Ontario	29.61	30.02	.00	46.0	+1.8	55.0	36.9	102	−20	34.41	+ 0.69	64.2
White River, Ontario	28.61	29.96	−.02	31.7	−0.4	44.4	19.0	88	−52	28.36	+ 3.57	63.8
Port Stanley, Ontario	29.38	30.03	.00	45.2	+0.5	53.9	36.6	86	−23	30.87	− 3.55	49.5
Southampton, Ontario	29.27	.....	.....	42.5	+0.1	51.1	34.0	91	−28	35.27	+ 1.06	105.9
Parry Sound, Ontario	29.29	29.99	−.01	41.5	+1.3	51.5	31.6	97	−37	36.16	− 2.11	106.8
Port Arthur, Ontario	29.26	29.98	−.02	36.6	+2.2	46.0	27.2	87	−30	20.24	− 4.52	23.9
Winnipeg, Manitoba	29.14	29.99	−.01	37.0	+3.9	47.5	26.4	94	−37	19.40	− 1.58	45.3
Minnedosa, Manitoba	28.14	29.99	−.01	35.3	+3.7	47.0	23.6	97	−43	13.87	− 2.58	31.4
Qu'Appelle, Saskatchewan	27.68	29.96	−.02	37.0	+3.7	48.7	25.3	99	−38	15.53	− 0.55	46.6
Medicine Hat, Alberta	27.61	29.88	−.08	44.1	+3.8	57.5	30.8	98	−44	9.71	− 4.09	43.5
Swift Current, Saskatchewan	27.34	29.98	+.01	40.4	+2.9	53.4	27.5	102	−36	12.22	− 3.25	53.8
Calgary, Alberta	26.38	29.98	+.05	41.5	+4.3	55.9	27.2	94	−28	9.12	− 5.75	27.6
Banff, Alberta	25.34	29.95	+.02	37.0	+2.3	48.6	25.4	91	−40	19.07	− 2.84	100.6
Edmonton, Alberta	27.60	29.91	−.02	37.9	+2.3	49.6	26.3	90	−43	17.86	+ 2.03	61.8
Prince Albert, Saskatchewan	28.39	29.99	+.01	35.3	+4.8	47.4	23.3	92	−46	13.44	− 1.47	38.6
Battleford, Saskatchewan	28.19	29.95	−.02	37.0	+4.3	49.6	24.2	98	−46	9.76	− 4.17	42.5
Kamloops, British Columbia	28.74	30.04	+.11	48.1	+1.0	58.2	38.0	102	−14	11.02	− 0.61	28.9
Victoria, British Columbia	29.77	30.03	+.03	50.0	+1.4	56.0	43.8	83	23	29.01	− 9.13	1.8
Barkerville, British Columbia	25.65	29.98	+.08	35.7	−0.5	44.9	26.5	84	−22	41.96	+ 8.40	245.8
Hamilton, Bermuda	29.94	30.10	+.01	70.0	+0.3	75.1	64.9	89	48	64.16	+ 2.25	0.0

DEPARTURE FROM NORMAL TEMPERATURE, IN DEGREES FAHRENHEIT, FOR THE CROP SEASON OF 1918, MARCH 1 TO SEPTEMBER 30.

TOTAL PRECIPITATION, INCHES, FOR THE CROP SEASON OF 1918, MARCH 1 TO SEPTEMBER 30.

DEPARTURE FROM NORMAL PRECIPITATION FOR THE CROP SEASON OF 1918, MARCH 1 TO SEPTEMBER 30.

TOTAL PRECIPITATION, INCHES, FOR THE YEAR 1918.

THE ARROWS SHOW THE OCCURRENCE, LOCATION, AND DIRECTION OF MOTION OF TORNADOES DURING THE YEAR 1918, THE ARROWS POINTING IN THE DIRECTION OF STORM MOTION.

CHART 6.

THE DOTS SHOW THE OCCURRENCE AND LOCALITY OF MODERATELY HEAVY HAIL, DOING SLIGHT DAMAGE ONLY, REPORTED BY OBSERVERS OF THE WEATHER BUREAU AND OTHERS, FOR THE WARM SEASON OF 1918, APRIL 1 TO SEPTEMBER 30.

THE DOTS AND LINES SHOW THE OCCURRENCE AND LOCALITY OF HEAVY HAIL, DOING MATERIAL DAMAGE TO CROPS AND OTHER PROPERTY, REPORTED BY THE OBSERVERS OF THE WEATHER BUREAU AND OTHERS, FOR THE WARM SEASON OF 1919, 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 1918 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, 1918);

T = continuous records of temperature (on December 31, 1918);

W = continuous records of wind (direction and velocity) (on December 31, 1918);

V = continuous records of wind (velocity only) (on December 31, 1918);

R = continuous records of rainfall (on December 31, 1918);

S = continuous records of sunshine (on December 31, 1918).

Summary of stations in operation during the year.

Taking two observations daily (all elements)	203
Taking one observation daily (all elements)	40
Taking one observation daily (temperature, rain, wind, and weather)	9
Taking one observation daily (special meteorological and cotton)	2
Taking one observation daily (special meteorological and river)	3
Taking one observation daily (special meteorological and storm warning)	5
Taking one observation daily (special meteorological and tomato)	1
Taking one observation daily (cotton, sugar, and rice)	135
Taking one observation daily (cotton and river)	28
Taking one observation daily (cotton and rainfall)	37
Taking one observation daily (river stations)	540
Taking one observation daily (rainfall stations)	290
Taking one observation daily (sugar and rice and river)	1
Taking one observation daily (corn and wheat)	165
Taking one observation daily (corn and wheat and river)	10
Taking one observation daily (corn and wheat and rainfall)	27
Taking one observation daily (cranberry)	10
Taking one observation daily (special fruit)	39
Taking one observation daily (special fruit and river)	1
Taking one observation daily (special fruit and cattle)	1
Taking one observation daily (weekly cattle)	50
Taking one observation daily (tobacco)	13
Taking one observation daily (alfalfa)	1
Taking one observation daily (alfalfa and cattle)	1
Snowfall	132
Snowfall and evaporation	2
Vessel	43
Total paid stations	1,789
Cooperative stations (about)	[1] 4,500
Grand total	6,289

[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, 1918.				Observations began.	Dates of changes in elevation during 1918.
				Barometer above sea.	Thermometer above ground.	Rain gage above ground.	Anemometer above ground.		
	° ′	° ′	h. m.	Feet.	Feet.	Feet.	Feet.		
Abilene, P T W R S	32 23	99 40	1 39 S.	1,738	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	62	54	77	Nov. 2, 1870	
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 06	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	
Broken Arrow, P T W R S	36 02	95 49	1 23 S.	765	11	4	52	May 12, 1918	
Brownsville, V	26 00	97 26	1 30 S.	57	4	3	26	Nov. 18, 1875	
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 8	43 3	58 54	Dec. 15, 1873	Nov. 1, 1918
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.	779	153 55	144 47	161 62	Oct. 6, 1878	Apr. 1, 1918
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	.....do.....	
Cleveland, P T W R S	41 30	81 42	27 S.	762	190	165	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	173 179	171	222	July 1, 1878	May 29, 1918
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.	1,392	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	64	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	106	98	113	Nov. 19, 1871	
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.	1,947	41 59	34 52	50 67	Jan. 1, 1899	Jan. 1, 1918
Ellendale, P T W R S	45 59	98 34	1 34 S.	1,457	10	3	56	Oct. 8, 1917	
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	139	135	175	Dec. 1, 1897	
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	

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, 1918.				Observations began.	Dates of changes in elevation during 1918.
							Barometer above sea.	Thermometer above ground.	Rain gage above ground.	Anemometer above ground.		
	°	′	°	′	h.	m.	Feet.	Feet.	Feet.	Feet.		
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	
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 60	74 52	96 68	Jan. 1, 1899	Mar. 15, 1918
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	
Greenville, P T W R S	34	50	82	24		30 S.	1,039	113	102	122	Oct. 6, 1917	
Groesbeck, P T W R S	31	30	96	28	1	26 S.	461	11	3	56	July 2, 1918	
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 90	104	July 1, 1888	Feb. 9, 1918
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	112	Apr. 1, 1880	
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	99	Aug. 26, 1900	
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.	3,957	11 9	4	42 41	Dec. 1, 1894	Feb. 1, 1918
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	Oct. 1, 1899	
Jacksonville, P T W R S	30	20	81	39		27 S.	43	209	198	245	Sept. 11, 1871	
Juneau, P T W R S	58	18	134	24	3	58 S.	80	11	5	49	Jan. 5, 1917	
Kalispell, P T W R S	48	10	114	25	2	38 S.	2,973	48	40	56	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	102	96	111	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	
Leesburg, P T W R S	31	47	84	14		37 S.	279	10	4	55	Aug. 1, 1918	
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	5	3	42	Nov. 10, 1904	
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	48	39	55	Oct. 1, 1891	
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 31	Sept. 2, 1898	June 26, 1918
Nantucket, P T W R S	41	17	70	06		20 F.	12	14	4	90	Oct. 18, 1886	
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.	53	76	71	84	Nov. 1, 1870	

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, 1918.				Observations began.	Dates of changes in elevation during 1918.
				Barometer above sea.	Thermometer above ground.	Rain gage above ground.	Anemometer above ground.		
	° ′	° ′	h. m.	Feet.	Feet.	Feet.	Feet.		
New York, P T W R S.....	40 43	74 00	0 04 F.	314	414	407	454	Nov. 1, 1870	
Norfolk, P T W R S.....	36 51	76 17	05 S.	91	170	178	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	.....do.....	
Palestine, P T W R S.....	31 45	95 40	1 23 S.	510	64	57	72	Dec. 3, 1881	
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	149	131	185	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	11	68	81	Aug. 6, 1895	
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	60	52	68	July 1, 1899	
Point Reyes Light, PWRS..	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.	29	8	{ 29 3	53	Mar. 1, 1916	}Jan. 26, 1918
Port Arthur, P T W R S...	29 52	93 55	1 16 S.	34	58	51	66	Feb. 1, 1917	
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	
Royal Center, P T W R S..	40 53	86 29	46 S.	736	11	3	55	May 17, 1918	
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	{ 201 236	196 228	236 261	Nov. 1, 1870	}July 1, 1918
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	119	112	132	Jan. 2, 1876	
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	92	Mar. 13, 1890	
Tatoosh Island, P T W R S.	48 23	124 44	3 19 S.	86	7	4	57	Nov. 22, 1902	

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, 1918. Barometer above sea.	Thermometer above ground.	Rain gage above ground.	Anemometer above ground.	Observations began.	Dates of changes in elevation during 1918.
	° ′	° ′	h. m.	Feet.	Feet.	Feet.	Feet.		
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	49	41	58	Aug. 20, 1905	
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.	987	85 92	76 83	101 107	June 1, 1887	July 30, 1918
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	
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, T 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.	1,878	41	33	48	Nov. 24, 1893	
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.	2,304	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.									
Barbados.[1]									
Bridgetown	13 04	59 37	1 02 F.	30	6	3	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	17 24	83 17	33 S.	35	5	4	58	June 1, 1914	
Cuba.									
Guane	.....	.....	.....	.....	.....	.....	.....	June 15, 1918	
Santa Cruz del Sur	20 48	78 27	14 S.	.....	.....	.....	.....	July 3, 1918	
Curaçao.[1]									
Curaçao, P T	12 06	68 56	24 F.	75	42	39	44	Aug. 9, 1898	
Dominica.[1]									
Roseau	15 17	61 23	54 F.	25	.....	.....	.....	Oct. 20, 1898	
Isle of Pines.									
Nueva Gerona	21 54	82 36	30 S.	.....	.....	.....	.....	Sept. 27, 1918	
Jamaica.[1]									
Kingston	17 58	76 48	07 S.	24	48	51	63	Aug. 16, 1898	
Nicaragua.[1]									
Bluefields, V	12 00	83 45	35 S.	28	4	3	26	Jan. 1, 1917	
Porto Rico.									
San Juan, P T W R S	18 29	66 07	36 F.	82	9	4	54	Nov. 1, 1898	

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

TABLE I.—*Latitude, longitude, elevation, etc., of Weather Bureau stations*—Continued.

WEST INDIAN STATIONS—continued.

Stations.	Latitude.	Longitude.	Local meridian time faster or slower than 75th meridian.	Elevation Dec. 31, 1918.				Observations began.	Dates of changes in elevation during 1918.
				Barometer above sea.	Thermometer above ground.	Rain gage above ground.	Anemometer above ground.		
St. Lucia.[1]	° ′	° ′	h. m.	*Feet.*	*Feet.*	*Feet.*	*Feet.*		
Castries, V	13 50	60 55	0 56 F.	319	6	3	28	Aug. 16, 1917	
Santo Domingo.[1]									
Puerto Plata, V	19 49	70 43	17 F.	27	6	3	30	Sept. 16, 1917	
Santo Domingo	18 28	69 53	20 F.	57	6	3	60	Nov. 1, 1898	
Trinidad.[1]									
Port of Spain, P	10 35	61 30	54 F.	40	.....	.....	.....	Aug. 7, 1898	
Turks Island.[1]									
Grand Turk, P V	21 21	71 07	16 F.	11	6	2	20	July 1, 1900	
Virgin Islands.									
St. Thomas, V	18 13	64 29	42 F.	27	17	18	21	July 1, 1917	

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

TABLE II.—*Changes in Weather Bureau stations during 1918.*

ESTABLISHED.

Stations.	Date established.	Stations.	Date established.
REGULAR.		CORN AND WHEAT.	
Independence, Calif	Feb. 1	Effingham, Ill	Apr. 1
		Great Falls, Mont	May 4
		Hanover, Kans	Jan. 1
SPECIAL METEOROLOGICAL.		Hays, Kans	Do.
		Horton, Kans	Do.
Gallup, N. Mex	Aug. 16	Hutchinson, Kans	Apr. 27
Guane, Cuba	June 15	Lawrence, Kans	Apr. 1
Hampton, Oreg	July 24	Manhattan, Kans	Jan. 1
Lake Charles, La	Jan. 24	New England, N. Dak	Apr. 1
Laurier, Wash	Jan. 1	Phillipsburg, Kans	Jan. 1
Nueva Gerona, West Indies	Sept. 27		
Santa Cruz del Sur, Cuba	July 3	CORN AND WHEAT, AND RAINFALL.	
		Arcadia, Mo	May 23
SPECIAL METEOROLOGICAL AND STORM WARNING.		RIVER.	
Highland Light, Mass	May 1	Augusta, Iowa	Dec. 1
San Pedro, Calif	Aug. 28	Bonner Springs, Kans	Feb. 1
		Canon City, Colo	May 1
		Clyde, Kans	May 15
AEROLOGICAL.		Diamondale, Mich	July 1
		Gassaway, W. Va	Apr. 1
Broken Arrow, Okla	May 12	Keithsburg, Ill	Dec. 1
Groesbeck, Tex	July 2	La Grange, Calif	July 15
Leesburg, Ga	Aug. 1	Lamar, Colo	June 1
Royal Center, Ind	May 17	Manhattan, Kans	Jan. 1
		Ogden, Kans	Do.
COTTON.		Randolph, Kans	Apr. 15
		Tates Bluff, Ark	July 15
Auburn, Ala	Apr. 1	Wakefield, Kans	Jan. 1
Falfurrias, Tex	Do.	Wapello, Iowa	Dec. 1
Hazelhurst, Ga	July 14	Warsaw, Ill	Jan. 1
Mount Pleasant, Tex	Apr. 1	Williamstown, Mich	July 1

TABLE II.—*Changes in Weather Bureau stations during 1918*—Continued.

ESTABLISHED—Continued.

Stations.	Date established.
RAINFALL.	
Alton, Kans.	Jan. 1
Cawker City, Kans.	May 1
Centralia, Kans.	Do.
Chapman, Kans.	Feb. 1
Clay Center, Nebr.	Jan. 1
Ellsworth, Kans.	May 1
Emmett, Kans.	Jan. 1
Fort Riley, Kans.	May 1
Herrington, Kans.	Feb. 1
Hill City, Kans.	July 15
Holton, Kans.	May 1
Lincoln, Kans.	Jan. 1
McFarland, Kans.	Do.
Minneapolis, Kans.	Do.
Oketo, Kans.	May 1
Plainville, Kans.	July 15
Poteau, Okla.	July 1
Republic, Kans.	Jan. 1
Salina, Kans.	May 1
Smith Center, Kans.	Do.
Valley Falls, Kans.	Jan. 1
Wheaton, Kans.	Do.
FRUIT.	
El Cajon, Calif.	Feb. 15
FRUIT AND CATTLE.	
Artesia, N. Mex.	Feb. 12
ALFALFA AND CATTLE.	
Deseret, Utah.	Jan. 1
WEEKLY CATTLE.	
Afton, Wyo.	Apr. 1
Black Rock, Utah.	Jan. 15
Canadian, Tex.	Feb. 12
Carlsbad, N. Mex.	Do.
Carr's Ranch, Ariz.	Jan. 15
Castle Dale, Utah.	Do.
Clovis, N. Mex.	Feb. 12
Dalhart, Tex.	Do.
Douglas, Ariz.	Jan. 15
Duchesne, Utah.	Apr. 1
Elko, Nev.	Do.
Escalante, Utah.	Do.
Evanston, Wyo.	Do.

Stations.	Date established.
WEEKLY CATTLE—continued.	
Fort Apache, Ariz.	Jan. 15
Fort Bayard, N. Mex.	Do.
Fort Morgan, Colo.	Feb. 12
Fort Sumner, N. Mex.	Do.
Government Creek, Utah.	Jan. 15
Grand Canyon, Ariz.	Do.
Grantsville, Utah.	May 6
Green River, Wyo.	Apr. 1
Idaho Falls, Idaho.	Do.
Kanab, Utah.	Sept. 9
Kelton, Utah.	Jan. 15
Lamar, Colo.	Feb. 12
Logan, Utah.	Apr. 1
Lubbock, Tex.	Feb. 12
McGill, Nev.	Apr. 1
Manti, Utah.	Do.
Midland, Tex.	Feb. 12
Milford, Utah.	Jan. 15
Moab, Utah.	Oct. 25
Montpelier, Idaho.	Apr. 1
Mountainair, N. Mex.	Feb. 12
Nogales, Ariz.	Jan. 15
Oakley, Idaho.	Apr. 1
Panguitch, Utah.	Do.
Pinedale, Ariz.	Jan. 15
Pinto, Ariz.	Do.
Prescott, Ariz.	Do.
Provo, Utah.	Apr. 1
Richfield, Utah.	Do.
St. George, Utah.	Apr. 8
San Angelo, Tex.	Feb. 12
Seligman, Ariz.	Jan. 15
Springer, N. Mex.	Feb. 12
Thatcher, Ariz.	Jan. 15
Thompsons, Utah.	Do.
Tucumcari, N. Mex.	Feb. 12
Watson, Utah.	Jan. 15
Wendover, Utah.	Oct. 20
SNOWFALL.	
Elliston, Mont.	Feb. 1
VESSEL.	
Heredia (American).	July 30
Parismina (American).	July 24
San Juan (American).	June 1

TABLE III.—*Changes in Weather Bureau stations during 1918.*

DISCONTINUED.

Stations.	Date discontinued.
REGULAR.	
Narragansett Pier, R. I.	July 31
SPECIAL METEOROLOGICAL.	
Diamond Shoals, N. C.	Apr. 30
Frying Pan Shoals, N. C.	Do.
Heald Bank, Tex.	Do.
Independence, Calif.	Jan. 31
Nantucket Shoals, Mass.	Apr. 30
Glenville, Ga.	July 13
Hebbronville, Tex.	Mar. 31
Opelika, Ala.	Do.
CORN AND WHEAT.	
Coolidge, Kans.	Mar. 31
Montrose, Ill.	Do.
CORN AND WHEAT AND RIVER.	
Logansport, Ind.	Sept. 30
CORN AND WHEAT AND RAINFALL.	
Ironton, Mo.	May 22
Somerset, Ohio.	Feb. 28
SUGAR AND RICE.	
Lake Charles, La.	Jan. 23
RIVER.	
Carters Ranch, Calif.	Feb. 28
Cottonwood Creek, Idaho.	Nov. 30
Cotulla, Tex.	Feb. 28
Fox, Ohio.	Oct. 31
Hot Springs, Colo.	Apr. 30
Jacksonville, Calif.	Do
McCormick, S. C.	Sept. 30
Oxford Farmers Ditch, Colo.	Apr. 30
Paint Creek, Ohio.	Oct. 30
Philippi, W. Va.	Jan. 7
Prowers, Colo.	Apr. 30
Sutton, W. Va.	Mar. 31
Williamsport, Ohio.	Oct. 31
Youngstown, Ohio.	June 30
RAINFALL.	
Hazard, Ky.	Feb. 28
Manchester, Ky.	June 30
Potosia, Iowa.	Jan. 31
Stonewall, Colo.	Do.
FRUIT.	
Catawba Island, Ohio.	Feb. 28
Lemoncove, Calif.	Jan. 15
North Bass Island, Ohio.	Feb. 28
Oak Harbor, Ohio.	Do.
Pleasant View, Utah.	Mar. 31
Provo Bench, Utah.	Do.
Tustin, Calif.	Sept. 26
ALFALFA.	
Deseret, Utah.	Jan. 14
Nephi, Utah.	Dec. 31
Salina, Utah.	Do.

Stations.	Date discontinued.
CATTLE.	
Artesia, N. Mex.	Feb. 11
Canadian, Tex.	Do.
Carlsbad, N. Mex.	Do.
Carr's Ranch, Ariz.	Jan. 14
Clovis, N. Mex.	Feb. 11
Dalhart, Tex.	Do.
Douglas, Ariz.	Jan. 14
Fort Bayard, N. Mex.	Do.
Fort Morgan, Colo.	Feb. 11
Fort Sumner, N. Mex.	Do.
Grand Canyon, Ariz.	Jan. 14
Lamar, Colo.	Feb. 11
Lubbock, Tex.	Do.
Midland, Tex.	Do.
Mountainair, N. Mex.	Do.
Nogales, Ariz.	Jan. 14
Pinto, Ariz.	Do.
Prescott, Ariz.	Do.
San Angelo, Tex.	Feb. 11
Springer, N. Mex.	Do.
Thatcher, Ariz.	Jan. 14
Tucumcari, N. Mex.	Feb. 11
WEEKLY CATTLE.	
Government Creek, Utah.	Mar. 5
Thompsons, Utah.	Oct. 24
SNOWFALL.	
Baldbutte, Mont.	Apr. 30
Bear Valley Dam, Calif.	May 31
Bijou, Calif.	Aug. 31
Bridgeport, Calif.	Mar. 31
Burney, Calif.	May 31
Flathead Creek, Mont.	Apr. 30
Goat Lake, Wash.	Sept. 30
Guler, Wash.	Nov. 30
Hat Creek, Mont.	Jan. 31
McKinney, Calif.	Aug. 31
Silver City, Idaho.	Nov. 30
Table Rock, Calif.	Do.
Vistillas, Oreg.	Do.
Woodfords, Calif.	Aug. 31
VESSEL.	
Advance (American).	Apr. 30
Ancon (American).	Do.
Calamaras (American).	May 31
Ceiba (Honduran).	Apr. 30
Cristobal (American).	Do
Gen. O. H. Ernst (American).	Do.
Guantanamo (American).	Do.
Heredia (American).	June 30
Medina (American).	Apr. 30
Neches (American).	Do.
Parismina (American).	June 20
Santiago (American).	Apr. 30
Sao Paulo (Brazilian).	Do.
Tegucigalpa (Honduran).	Do.
Yoro (Honduran).	Do.

SUNSHINE, 1918.

The following tables give for 162 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, 1918.

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	142	49	130	44	240	65	210	52	253	56	267	58
Alpena, Mich	155	54	174	59	278	75	282	70	258	56	310	66
Amarillo, Tex	252	81	285	93	317	85	300	77	376	87	396	91
Anniston, Ala	158	50	195	63	258	69	190	49	309	71	247	57
Asheville, N. C	116	37	159	52	172	46	154	39	222	51	206	47
Atlanta, Ga	127	40	177	58	269	72	215	55	344	80	289	67
Atlantic City, N. J	142	47	168	56	237	64	196	49	269	61	273	61
Augusta, Ga	149	47	174	57	228	61	196	50	332	77	270	63
Baker, Oreg	100	35	135	46	179	48	250	62	299	65	362	77
Baltimore, Md	130	43	163	54	248	67	187	47	279	63	270	61
Bentonville, Ark	155	50	192	63	204	55	249	63*	303	69	331	76
Binghamton, N. Y	116	39	93	31	202	55	174	43	241	53	265	58
Birmingham, Ala	144	46	174	57	249	67	217	55	358	83	319	74
Bismarck, N. Dak	159	57	211	73	284	77	234	57	295	63	368	77
Block Island, R. I	118	40	137	46	193	52	175	44	219	49	243	54
Boise, Idaho	92	32	142	48	184	50	297	74	351	77	382	82
Boston, Mass	165	56	170	57	248	67	250	62	311	69	304	67
Broken Arrow, Okla											358	82
Buffalo, N. Y	110	38	131	44	236	64	195	48	254	56	284	62
Burlington, Vt	126	44	114	39	195	53	227	56	253	55	294	63
Canton, N. Y	120	42	102	35	225	61	256	63	253	55	243	52
Charles City, Iowa	109	37	144	49	252	68	236	59	234	51	260	57
Charleston, S. C	224	70	232	75	276	74	263	67	360	84	323	75
Chattanooga, Tenn	106	34	124	41	208	56	141	36	314	72	246	57
Cheyenne, Wyo	152	51	220	74	268	72	192	48	252	56	341	76
Chicago, Ill	172	58	179	60	285	77	213	53	307	68	330	73
Cincinnati, Ohio	150	49	150	50	244	66	194	49	310	70	301	67
Cleveland, Ohio	90	30	119	40	222	60	180	45	281	62	303	67
Columbia, Mo	182	60	190	63	279	75	228	57	301	68	336	75
Columbus, Ohio	117	39	114	38	236	63	136	34	243	55	254	57
Concordia, Kans	183	61	228	76	273	74	248	62	315	71	383	85
Dallas, Tex	230	72	182	59	255	69	261	67	282	66	310	72
Dayton, Ohio	142	47	134	45	245	66	185	46	336	75	307	68
Del Rio, Tex												
Denver, Colo	170	57	235	78	280	75	224	56	322	72	344	77
Des Moines, Iowa	168	57	174	59	285	77	266	66	346	76	346	76
Detroit, Mich	120	41	148	50	253	68	193	48	275	61	301	66
Devils Lake, N. Dak	93	34	145	51	181	49	237	58	170	36	277	58
Dodge City, Kans	191	63	228	75	254	68	229	58	274	62	340	77
Drexel, Nebr	169	57	193	65	254	68	210	53	266	59	366	81
Dubuque, Iowa	177	60	189	64	282	76	262	65	301	67	290	64
Eastport, Me	163	57	180	62	253	68	278	69	267	58	277	59
Elkins, W. Va	80	26	128	42	218	59	148	37	278	63	233	52
Ellendale, N. Dak	120	42	180	62	252	68	253	62	240	52	328	70
El Paso, Tex	241	75	256	83	291	78	348	89	347	81	367	86
Erie, Pa	36	12	77	26	195	53	145	36	207	46	203	45
Escanaba, Mich	123	42	144	50	266	72	267	66	235	51	271	57
Eureka, Calif	150	50	162	54	180	49	287	72	292	65	257	57
Evansville, Ind	153	50	154	51	248	67	216	54	344	78	338	76
Fort Smith, Ark	170	54	194	63	226	61	272	69	321	74	332	77
Fort Wayne, Ind	179	60	164	55	265	71	172	43	280	62	275	61
Fresno, Calif	176	57	184	61	246	66	362	92	408	93	411	93
Galveston, Tex	211	65	129	41	225	60	231	60	299	71	362	86
Grand Haven, Mich	80	27	152	52	262	71	204	51	280	61	308	67
Grand Junction, Colo	191	63	185	61	250	67	244	62	321	72	351	79

Sunshine, 1918—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.	228	49	264	61	132	35	172	50	100	34	83	30	2,221	49
Alpena, Mich.	307	65	246	57	121	32	131	38	53	19	54	20	2,370	51
Amarillo, Tex.	377	85	356	85	285	77	284	81	251	81	232	76	3,712	83
Anniston, Ala.	247	56	298	72	209	56	151	43	193	62	141	46	2,956	58
Asheville, N. C.	216	49	221	53	174	47	159	46	186	60	111	37	2,096	47
Atlanta, Ga.	276	63	285	69	216	58	163	46	213	68	137	44	2,710	60
Atlantic City, N. J.	314	69	286	68	257	69	204	59	165	55	144	49	2,655	59
Augusta, Ga.	258	59	316	76	238	64	165	47	214	68	166	53	2,705	60
Baker, Oreg.	328	69	248	57	234	62	213	63	174	61	83	30	2,606	56
Baltimore, Md.	283	63	273	65	224	60	218	63	187	62	137	47	2,600	58
Bentonville, Ark.	309	70	277	66	245	66	202	58	164	53	173	57	2,804	62
Binghamton, N. Y.	236	51	281	65	126	34	110	32	73	25	78	28	1,994	43
Birmingham, Ala.	285	65	331	80	243	65	164	47	188	60	142	46	2,814	62
Bismarck, N. Dak.	344	72	338	77	246	65	197	58	169	60	73	27	2,916	64
Block Island, R. I.	280	61	225	53	182	49	158	46	131	44	110	38	2,171	48
Boise, Idaho	364	78	333	77	256	68	251	74	173	60	113	41	2,937	63
Boston, Mass.	271	59	264	62	207	55	165	48	143	48	110	39	2,608	57
Broken Arrow, Okla.	255	80	367	88	251	67	190	55	159	52	179	59	.....	.....
Buffalo, N. Y.	322	69	310	72	170	45	154	45	82	28	70	25	2,316	50
Burlington, Vt.	280	60	270	62	115	31	109	32	74	26	76	27	2,133	46
Canton, N. Y.	303	64	291	67	117	31	137	40	83	29	88	32	2,217	48
Charles City, Iowa	304	65	270	63	227	61	165	48	128	44	65	23	2,394	52
Charleston, S. C.	314	72	344	83	286	77	237	67	205	65	132	42	3,195	71
Chattanooga, Tenn.	268	61	299	72	227	61	162	46	170	55	124	41	2,387	53
Cheyenne, Wyo.	312	68	286	67	191	51	166	48	241	81	147	51	2,768	62
Chicago, Ill.	340	74	277	65	207	55	173	50	152	52	84	30	2,719	60
Cincinnati, Ohio.	290	64	301	71	222	60	179	52	152	50	110	38	2,605	57
Cleveland, Ohio.	317	69	332	77	182	49	180	53	99	33	65	23	2,370	51
Columbia, Mo.	348	77	282	67	248	66	190	55	157	52	163	56	2,905	64
Columbus, Ohio.	234	51	224	53	185	49	222	64	142	47	109	37	2,215	49
Concordia, Kans.	314	69	337	79	271	73	193	56	170	57	143	49	3,059	68
Dallas, Tex.	324	74	317	77	272	73	207	59	160	51	173	56	2,972	66
Dayton, Ohio.	308	68	292	69	218	58	172	50	124	41	87	30	2,549	55
Del Rio, Tex.	.....	.....	342	84	306	83	262	74	143	45	173	54	.....	.....
Denver, Colo.	318	70	275	65	210	56	199	58	220	73	138	47	2,934	65
Des Moines, Iowa.	355	77	269	63	225	60	171	50	152	52	113	40	2,870	63
Detroit, Mich.	306	66	295	69	189	51	170	50	144	49	88	31	2,483	54
Devils Lake, N. Dak.	260	54	272	61	252	67	174	52	90	32	90	34	2,239	49
Dodge City, Kans.	322	71	348	82	273	73	219	63	170	56	179	60	3,025	67
Drexel, Nebr.	332	73	300	70	266	71	165	48	160	54	104	36	2,786	61
Dubuque, Iowa.	340	74	281	66	207	55	194	55	160	54	96	34	2,779	61
Eastport, Me.	182	39	258	59	156	41	144	42	119	42	105	38	2,382	53
Elkins, W. Va.	204	45	214	51	175	47	177	51	132	44	88	30	2,075	46
Ellendale, N. Dak.	327	69	331	76	272	72	216	64	144	51	74	27	2,735	60
El Paso, Tex.	329	76	294	71	316	85	272	77	183	58	175	56	3,419	76
Erie, Pa.	206	45	206	48	81	22	154	45	66	22	46	16	1,623	35
Escanaba, Mich.	306	64	273	62	202	54	149	44	94	33	58	21	2,387	51
Eureka, Calif.	176	38	261	61	103	28	163	47	143	48	167	58	2,340	52
Evansville, Ind.	325	72	297	71	224	60	182	52	183	60	122	41	2,785	61
Fort Smith, Ark.	340	77	312	75	248	67	204	58	153	49	174	57	2,948	65
Fort Wayne, Ind.	282	62	253	59	212	57	176	51	140	47	80	28	2,478	55
Fresno, Calif.	430	96	402	96	302	81	304	87	192	63	172	57	3,589	78
Galveston, Tex.	344	81	304	75	294	79	226	64	162	51	158	49	2,946	65
Grand Haven, Mich.	338	73	297	69	221	59	160	47	104	36	72	26	2,478	53
Grand Junction, Colo.	329	73	322	76	293	78	212	61	191	63	174	59	3,063	68

Sunshine, 1918—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.
Grand Rapids, Mich	113	39	141	48	282	76	172	43	294	65	346	75
Green Bay, Wis	123	43	159	54	263	71	277	68	262	57	269	58
Greenville, S. C	161	51	197	64	265	71	224	57	328	76	259	60
Groesbeck, Tex												
Harrisburg, Pa	154	51	176	59	269	73	204	51	266	60	287	64
Hartford, Conn	158	53	170	57	234	63	209	52	254	56	268	59
Havre, Mont	123	45	153	54	177	48	236	57	234	49	346	71
Helena, Mont	114	41	152	53	225	61	214	52	249	53	364	77
Honolulu, Hawaii	169	49	168	52	219	59	162	43	254	62	264	66
Houston, Tex	211	65	125	40	278	75	239	62	310	73	356	84
Huron, S. Dak	141	49	206	70	280	76	279	69	310	68	326	70
Independence, Calif											368	84
Indianapolis, Ind	167	55	172	57	241	65	191	48	332	74	337	75
Jacksonville, Fla	210	65	188	60	213	57	236	61	358	85	261	62
Juneau, Alaska	37	16	105	40	108	30	73	17	274	53	241	44
Kalispell, Mont	70	26	128	45	161	44	270	66	235	50	336	70
Kansas City, Mo	172	57	210	70	279	75	229	58	304	68	361	81
Key West, Fla	230	69	278	88	303	81	307	80	266	64	297	72
Knoxville, Tenn	96	31	154	51	194	52	160	41	284	65	248	57
La Crosse, Wis	147	51	171	58	260	70	247	61	253	55	243	52
Lander, Wyo	146	50	184	62	247	67	226	56	282	62	346	75
Lansing, Mich	138	47	163	55	280	76	207	51	299	66	307	67
Leesburg, Ga												
Lexington, Ky	110	36	117	39	164	44	133	34	255	58	268	60
Little Rock, Ark	155	49	180	59	211	57	271	69	332	76	320	74
Los Angeles, Calif	245	78	202	66	199	54	262	67	313	73	288	67
Louisville, Ky	148	48	160	53	232	62	170	43	283	64	334	75
Ludington, Mich	69	24	161	55	268	72	235	58	288	63	293	63
Lynchburg, Va	127	41	165	54	230	62	168	43	299	68	264	60
Macon, Ga	158	50	172	56	245	66	212	54	350	81	316	74
Madison, Wis	164	56	185	63	275	74	238	59	277	61	318	69
Marquette, Mich	109	39	141	49	277	75	277	68	265	57		
Memphis, Tenn	163	52	191	62	235	63	238	61	332	78	332	77
Meridian, Miss	150	47	128	41	229	62	221	57	344	80	335	79
Miami, Fla	250	75	240	76	285	76	288	75	302	73	269	65
Milwaukee, Wis	161	55	167	57	274	74	202	50	255	56	282	61
Minneapolis, Minn	160	56	204	70	272	73	293	72	199	43	277	59
Mobile, Ala	152	47	129	42	180	48	129	33	314	74	256	60
Modena, Utah	218	71	199	66	225	61	293	74	289	66	379	86
Mount Tamalpais, Calif	182	60	125	41	145	39	307	77	380	86	408	92
New Haven, Conn	174	58	177	59	255	69	223	56	293	65	314	70
New Orleans, La	186	57	135	43	207	56	186	48	305	72	263	62
New York, N. Y	149	50	168	56	229	62	203	51	296	66	323	71
Norfolk, Va	163	53	215	71	251	68	207	53	305	70	305	69
North Head, Wash	42	15	85	29	140	38	241	59	221	48	284	60
North Platte, Nebr	157	54	215	72	290	78	203	51	305	68	391	87
Oklahoma, Okla	194	62	214	70	260	70	260	66	318	73	344	79
Omaha, Nebr	182	61	191	64	283	76	236	59	298	67	362	80
Parkersburg, W. Va	77	25	115	38	196	53	122	31	243	55	268	60
Pensacola, Fla	183	56	161	52	222	60	210	54	373	88	346	82
Peoria, Ill	162	54	188	63	289	78	234	59	325	72	336	74
Philadelphia, Pa	125	42	165	55	244	66	210	53	283	63	277	62
Phoenix, Ariz	248	78	239	77	284	76	360	92	405	94	383	89
Pittsburgh, Pa	87	29	127	43	225	61	151	38	290	65	267	59
Pocatello, Idaho	82	28	146	50	238	64	261	65	282	62	363	79

Sunshine, 1918—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.
Grand Rapids, Mich	346	75	322	75	201	54	125	37	83	29	64	23	2,489	53
Green Bay, Wis	304	64	294	68	218	58	157	46	111	39	55	20	2,492	54
Greenville, S. C	294	67	312	75	257	69	181	52	224	72	166	54	2,868	64
Groesbeck, Tex	359	85	303	73	286	77	198	56	152	48	151	48	.....	.....
Harrisburg, Pa	302	66	244	57	214	57	199	58	158	53	123	42	2,595	58
Hartford, Conn	302	66	258	60	198	53	212	62	149	50	120	42	2,532	56
Havre, Mont	304	62	248	56	217	57	160	48	135	49	110	43	2,442	53
Helena, Mont	306	64	288	66	205	54	153	45	134	48	120	45	2,526	55
Honolulu, Hawaii	267	65	279	70	280	76	264	73	226	68	241	71	2,793	63
Houston, Tex	352	82	301	74	300	81	212	60	141	44	160	51	2,987	66
Huron, S. Dak	306	65	299	69	234	62	188	55	137	47	127	46	2,832	62
Independence, Calif	390	87	365	87	309	83	292	84	226	74	233	78	.....	.....
Indianapolis, Ind	331	73	266	63	229	61	177	51	136	45	105	36	2,687	59
Jacksonville, Fla	281	65	292	71	220	59	131	37	195	61	115	36	2,699	60
Juneau, Alaska	307	57	84	18	167	43	20	6	35	15	31	15	1,483	30
Kalispell, Mont	306	63	233	53	259	69	122	36	104	37	74	28	2,298	49
Kansas City, Mo	347	77	328	77	269	72	218	63	172	57	145	50	3,033	67
Key West, Fla	297	71	266	66	229	62	191	53	222	68	168	51	3,052	69
Knoxville, Tenn	257	58	277	66	199	53	195	56	149	49	108	36	2,322	51
La Crosse, Wis	326	70	256	59	204	54	169	50	123	43	61	22	2,460	54
Lander, Wyo	336	72	354	82	212	57	211	62	104	36	120	43	2,767	60
Lansing, Mich	317	68	286	66	178	48	208	61	116	40	79	28	2,580	56
Leesburg, Ga	.....	.....	289	70	215	58	126	36	183	58	107	34	.....	.....
Lexington, Ky	217	48	232	55	195	52	127	37	133	44	94	32	2,044	45
Little Rock, Ark	346	78	319	77	239	64	200	57	183	59	149	49	2,905	64
Los Angeles, Calif	318	72	316	76	230	62	252	72	225	72	252	82	3,103	70
Louisville, Ky	335	74	338	80	283	76	219	63	162	53	115	39	2,779	61
Ludington, Mich	359	77	338	78	210	56	171	50	105	36	88	32	2,584	55
Lynchburg, Va	281	63	264	63	229	61	186	53	181	59	112	38	2,505	55
Macon, Ga	312	71	334	81	274	74	241	69	217	69	135	43	2,966	66
Madison, Wis	353	76	292	68	206	55	181	53	145	50	73	26	2,706	59
Marquette, Mich	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	68	26	.....	.....
Memphis, Tenn	335	76	329	79	234	63	179	51	173	56	137	45	2,878	64
Meridian, Miss	284	65	261	63	283	76	117	33	170	54	102	33	2,624	58
Miami, Fla	278	66	293	72	217	59	209	59	228	70	195	60	3,054	69
Milwaukee, Wis	300	65	260	60	216	58	205	60	156	53	78	28	2,558	56
Minneapolis, Minn	285	60	264	61	270	72	128	38	115	40	65	24	2,533	56
Mobile, Ala	270	63	250	61	218	59	127	36	146	46	129	41	2,300	51
Modena, Utah	317	70	297	70	300	80	232	67	198	65	208	70	3,154	70
Mount Tamalpais, Calif	415	92	356	84	196	53	263	76	211	69	209	70	3,197	70
New Haven, Conn	363	79	280	66	220	59	188	55	156	53	130	45	2,773	61
New Orleans, La	237	55	166	40	206	56	164	46	188	59	127	40	2,370	53
New York, N. Y	320	70	301	71	242	65	238	69	161	54	144	50	2,774	61
Norfolk, Va	284	64	287	68	264	71	206	59	165	54	112	38	2,766	62
North Head, Wash	292	61	273	62	237	63	190	56	127	45	113	42	2,245	48
North Platte, Nebr	356	78	358	84	253	68	223	65	187	63	144	50	3,082	68
Oklahoma, Okla	366	83	372	89	259	70	199	57	173	56	188	62	3,147	70
Omaha, Nebr	325	71	299	70	254	68	162	47	158	53	114	40	2,864	63
Parkersburg, W. Va	276	61	250	59	201	54	196	57	116	38	66	23	2,127	46
Pensacola, Fla	315	73	305	74	279	75	197	56	198	62	146	46	2,933	65
Peoria, Ill	345	75	282	66	229	61	180	52	143	48	143	50	2,857	63
Philadelphia, Pa	297	65	278	65	236	63	207	60	152	51	125	43	2,599	57
Phoenix, Ariz	351	80	342	83	353	95	317	90	244	78	222	71	3,748	84
Pittsburgh, Pa	294	64	273	64	203	54	181	52	141	47	74	26	2,311	50
Pocatello, Idaho	351	76	366	85	265	71	181	53	168	57	141	50	2,844	62

Sunshine, 1918—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.
Port Angeles, Wash	62	23	134	47	186	50	290	71	286	61	341	71
Port Arthur, Tex	185	57	123	39	221	59	251	65	332	79	346	82
Port Huron, Mich	136	47	156	53	276	74	223	56	306	67	327	71
Portland, Me	148	51	151	51	246	66	244	60	246	54	273	59
Portland, Oreg	44	16	91	31	139	37	266	65	272	59	358	76
Providence, R. I	167	57	170	57	254	68	248	62	323	71	301	66
Pueblo, Colo	187	61	255	84	274	74	248	63	328	75	326	74
Raleigh, N. C	155	50	174	57	224	60	169	43	272	62	239	55
Rapid City, S. Dak	130	45	220	75	256	69	234	58	269	59	317	69
Reading, Pa	121	40	150	50	223	60	179	45	226	51	238	53
Richmond, Va	144	47	168	56	222	60	179	45	300	68	290	65
Rochester, N. Y	135	46	126	43	235	63	219	54	247	54	303	66
Roswell, N. Mex	211	66	250	81	278	75	323	83	328	76	349	81
Royal Center, Ind	.....	.....	.....	.....	.....	.....	105	43	313	70	280	62
Sacramento, Calif	153	50	159	53	236	64	349	88	405	91	410	92
Saginaw, Mich	89	31	137	46	254	69	212	53	284	63	317	69
St. Joseph, Mo	166	55	189	63	263	71	213	54	287	64	375	83
St. Louis, Mo	143	47	170	56	263	71	171	43	309	70	278	62
St. Paul, Minn	156	55	191	65	245	66	275	68	259	56	286	61
Salt Lake City, Utah	107	36	157	53	246	66	255	64	272	60	302	67
San Antonio, Tex	234	72	146	47	243	65	232	60	261	62	349	83
San Diego, Calif	234	74	223	72	232	62	275	70	268	62	266	62
Sandy Hook, N. J	163	54	171	57	248	67	204	51	267	60	239	53
San Francisco, Calif	224	73	186	61	218	59	313	79	365	83	334	75
San Jose, Calif	190	62	156	51	186	50	342	86	343	78	391	89
San Juan, P. R	216	62	225	70	283	76	281	74	197	49	226	57
San Luis Obispo, Calif	220	70	131	43	184	49	316	81	356	82	360	83
Santa Fe, N. Mex	210	68	217	71	234	63	254	64	305	70	279	64
Sault Ste. Marie, Mich	106	37	141	48	216	59	264	65	198	43	284	60
Savannah, Ga	193	60	188	61	220	59	209	54	319	75	290	68
Seattle, Wash	58	21	89	31	178	48	277	68	223	47	338	71
Sheridan, Wyo	74	26	101	35	182	49	132	33	194	42	290	62
Sioux City, Iowa	149	50	216	73	284	77	252	63	280	62	336	74
Spokane, Wash	56	20	107	37	156	42	302	73	258	55	372	78
Springfield, Ill	158	52	180	60	263	71	170	43	316	71	333	74
Springfield, Mo	189	61	225	74	267	72	270	69	326	74	334	76
Tacoma, Wash	52	19	78	27	119	32	238	58	191	41	268	56
Tampa, Fla	202	62	262	83	297	80	283	74	313	75	282	68
Terre Haute, Ind	155	51	168	56	255	69	168	42	302	68	271	61
Toledo, Ohio	120	41	149	50	250	67	173	43	280	62	299	66
Tonopah, Nev	252	82	206	68	273	74	352	89	364	83	372	84
Trenton, N. J	143	48	183	60	232	62	199	50	275	62	276	61
Vicksburg, Miss	159	50	146	47	242	65	236	61	289	67	321	75
Walla Walla, Wash	87	31	84	29	199	54	308	76	295	64	387	82
Washington, D. C	140	46	180	60	268	72	212	53	305	69	280	63
Wichita, Kans	224	73	238	79	298	80	291	73	352	80	396	89
Williston, N. Dak	110	40	167	58	226	61	232	57	290	62	366	76
Wilmington, N. C	183	58	199	65	245	66	226	58	310	72	306	71
Winnemucca, Nev	163	55	180	60	251	68	334	84	380	85	369	82
Wytheville, Va	126	41	152	50	192	52	146	37	254	58	240	55
Yankton, S. Dak	114	39	173	59	237	64	207	51	236	52	289	63
Yuma, Ariz	268	84	253	82	285	77	379	97	412	96	392	92

Sunshine, 1918—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.
Port Angeles, Wash	256	53	241	55	228	60	96	29	73	26	53	20	2,247	47
Port Arthur, Tex	326	76	291	71	303	82	217	61	170	53	168	53	2,932	65
Port Huron, Mich	361	78	324	75	176	47	149	44	117	40	76	27	2,628	57
Portland, Me	267	57	272	63	163	44	169	50	137	47	95	34	2,411	53
Portland, Oreg	329	69	234	54	282	75	145	43	83	29	82	30	2,325	49
Providence, R. I	302	66	271	63	220	59	186	54	150	51	126	44	2,717	60
Pueblo, Colo	274	61	285	68	206	55	211	61	225	74	158	53	2,981	67
Raleigh, N. C	213	48	302	72	281	75	208	60	194	63	93	31	2,524	56
Rapid City, S. Dak	277	59	336	78	224	60	249	73	194	67	137	49	2,844	63
Reading, Pa	218	48	269	63	186	50	174	50	128	43	104	36	2,217	49
Richmond, Va	283	63	262	62	250	67	232	67	169	56	102	34	2,601	58
Rochester, N. Y	326	70	324	75	163	44	172	50	99	34	74	26	2,422	52
Roswell, N. Mex	326	75	292	71	280	75	266	76	207	66	229	74	3,338	75
Royal Center, Ind	300	65	261	61	184	49	184	53	151	51	78	27	.....	.....
Sacramento, Calif	428	95	388	92	242	65	278	80	191	63	188	64	3,427	75
Saginaw, Mich	367	79	349	81	225	60	197	58	123	42	74	26	2,630	56
St. Joseph, Mo	336	74	296	70	230	62	202	59	156	52	138	47	2,850	63
St. Louis, Mo	313	69	269	63	242	65	194	56	158	52	151	51	2,662	59
St. Paul, Minn	320	68	280	64	234	62	139	41	109	38	48	18	2,541	55
Salt Lake City, Utah	264	58	369	86	264	71	196	57	153	51	127	44	2,711	59
San Antonio, Tex	353	83	357	88	318	86	238	67	160	50	193	60	3,084	69
San Diego, Calif	321	74	303	73	224	60	219	62	220	70	235	76	3,021	68
Sandy Hook, N. J	236	52	280	66	222	60	230	67	160	54	150	51	2,570	58
San Francisco, Calif	308	68	341	81	200	54	279	80	216	71	216	73	3,200	71
San Jose, Calif	388	87	362	86	214	58	239	69	170	56	178	59	3,158	69
San Juan, P. R	227	56	287	73	255	70	167	46	166	49	171	50	2,700	61
San Luis Obispo, Calif	345	78	311	75	206	55	267	76	216	70	249	82	3,162	70
Santa Fe, N. Mex	270	61	293	70	292	78	246	70	186	60	205	68	2,991	67
Sault Ste. Marie, Mich	290	61	248	57	137	36	114	34	61	21	76	28	2,134	46
Savannah, Ga	251	58	267	65	224	61	151	43	207	65	96	31	2,616	58
Seattle, Wash	311	64	253	57	242	64	101	30	41	15	30	11	2,141	44
Sheridan, Wyo	249	53	270	62	187	50	182	53	160	56	186	68	2,208	49
Sioux City, Iowa	296	64	291	68	244	65	181	53	148	50	117	41	2,796	62
Spokane, Wash	359	74	308	70	307	81	187	56	103	37	39	15	2,554	53
Springfield, Ill	361	79	284	67	240	64	178	52	149	50	134	46	2,765	61
Springfield, Mo	315	70	272	65	231	62	155	45	181	59	160	54	2,925	65
Tacoma, Wash	211	46	200	46	171	46	79	23	55	20	16	6	1,678	35
Tampa, Fla	273	64	295	73	250	68	201	56	232	72	158	49	3,047	69
Terre Haute, Ind	315	70	250	59	226	61	207	60	169	56	119	40	2,605	58
Toledo, Ohio	305	66	269	63	184	49	161	47	126	43	71	25	2,385	52
Tonopah, Nev	382	85	376	89	303	81	276	79	204	67	208	70	3,571	79
Trenton, N. J	309	68	303	71	248	66	224	65	163	55	154	53	2,709	60
Vicksburg, Miss	327	75	273	66	250	67	161	46	172	55	138	44	2,713	60
Walla Walla, Wash	332	70	306	70	288	77	189	56	98	34	46	17	2,619	55
Washington, D. C	288	64	266	63	228	61	179	52	195	65	132	45	2,672	59
Wichita, Kans	364	81	346	82	273	73	172	50	181	60	160	54	3,295	73
Williston, N. Dak	321	66	315	71	260	69	194	58	142	51	86	33	2,709	58
Wilmington, N. C	334	76	317	76	263	71	267	76	205	66	148	48	3,003	67
Winnemucca, Nev	410	89	378	88	276	74	264	77	192	65	186	65	3,382	74
Wytheville, Va	217	48	250	60	225	61	184	53	175	57	95	32	2,256	50
Yankton, S. Dak	275	59	278	65	210	56	148	43	136	47	90	32	2,392	52
Yuma, Ariz	396	91	363	88	346	93	311	88	273	87	248	80	3,924	88

EXCESSIVE RAINFALL, 1918.

The following table contains reports of excessive rainfall for the calendar year 1918. Similar records for the years 1896 to 1917, 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 following table shows the accumulated amounts of precipitation for each 5 minutes during all storms of 1918, in which the rate of fall equaled or exceeded 0.25 inch in any 5-minute period or 0.80 inch in one hour, at all stations of the Weather Bureau furnished with self-registering gages, except that in the South Atlantic States and the Gulf region, where stations have normally heavy falls data only for the more important storms are included, these stations being designated with reference mark and footnote.

Accumulated amounts of precipitation for each 5 minutes, for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes, or 0.80 in 1 hour, during 1918, at all stations furnished with self-registering gages.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Depths 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.:																				
Sept. 20	D.N. a. m.	10:00 a. m.	1.09	7:09 a. m.	7:23 a. m.	0.08	0.13	0.49	0.76											
Portland, Me.:																				
July 30	11:32 a. m.	1:50 p. m.	.76	11:38 a. m.	11:49 a. m.	.01	.23	.41	.43											
Aug. 8	8:15 p. m.	10:14 p. m.	.60	9:09 p. m.	9:27 p. m.	.12	.10	.30	.38	0.43										
Aug. 14	3:26 p. m.	5:35 p. m.	.66	3:48 p. m.	4:15 p. m.	.03	.21	.23	.23	.39	0.54	0.59								
Aug. 24	8:04 p. m.	11:20 p. m.	.55	8:18 p. m.	8:29 p. m.	.03	.15	.38	.41											
Sept. 17	3:59 p. m.	5:50 p. m.	.87	4:03 p. m.	4:13 p. m.	.01	.25	.42												
Concord, N. H.:																				
Aug. 8	3:55 p. m.	4:20 p. m.	.55	3:58 p. m.	4:18 p. m.	T.	.07	.21	.38	.54										
Aug. 8	8:37 p. m.	9:57 p. m.	.74	8:41 p. m.	9:10 p. m.	.02	.16	.35	.39	.49	.59	.66								
Burlington, Vt.:																				
May 20	5:42 p. m.	6:10 p. m.	.68	5:42 p. m.	6:02 p. m.	0	.27	.56	.57	.67										
June 1	D.N. a. m.	8:10 a. m.	.65	7:44 a. m.	7:54 a. m.	.25	.31	.38												
June 12	11:45 a. m.	2:10 p. m.	.92	12:19 p. m.	12:41 p. m.	.07	.21	.54	.66	.73	.78									
July 6	4:15 p. m.	5:45 p. m.	.78	4:18 p. m.	4:50 p. m.	.01	.15	.36	.42	.50	.54	.59	0.65							
Aug. 31	5:45 p. m.	[1] D.N. a. m.	1.61	7:36 p. m.	7:55 p. m.	.44	.13	.25	.37	.42										
Oct. 29	D.N. p. m.	[1] 7:30 a. m.	1.18	10:00 p. m.	10:34 p. m.	.03	.07	.21	.35	.41	.54	.63	.69							
Nov. 18	1:10 p. m.	[2] D.N. a. m.	3.48	3:07 p. m.	3:27 p. m.	.26	.10	.26	.39	.49										
Northfield, Vt.:																				
July 30	D.N. a. m.	D.N. a. m.	.46	3:29 a. m.	3:42 a. m.	.02	.22	.32	.36											
Aug. 8	5:50 p. m.	6:40 p. m.	.54	6:15 p. m.	6:26 p. m.	T.	.24	.50	.52											
Aug. 8	D.N. p. m.	[1] 9:15 a. m.	2.62	11:21 p. m.	11:48 p. m.	.06	.07	.10	.20	.34	.50	.55								
Aug. 14	1:08 p. m.	2:05 p. m.	1.92	1:09 p. m.	1:45 p. m.	T.	.85	1.46	1.64	1.71	1.74	1.80	1.89	1.91						
Boston, Mass.:																				
Sept. 13	D.N. a. m.	8:30 a. m.	2.30	4:44 a. m.	6:10 a. m.	.56	.06	.13	.17	.23	.31	.37	.42	.50	0.56	0.62	0.81	1.15	1.26	
Sept. 18	11:06 a. m.	5:58 p. m.	1.42	5:12 p. m.	5:41 p. m.	.88	.05	.17	.26	.37	.44	.53								
Nantucket, Mass.:																				
Sept. 1	3:20 a. m.	8:20 a. m.	.46	6:20 a. m.	6:29 a. m.	.10	.15	.34												
Block Island, R. I.:																				
June 22	[3] 11:00 p. m.	10:15 a. m.	3.36	7:31 a. m.	8:28 a. m.	1.58	.30	.53	.60	.65	.71	.77	.89	1.05	1.27	1.49	1.53			
Sept. 13	12:15 a. m.	3:00 a. m.	1.18	1:19 a. m.	1:34 a. m.	.16	.17	.31	.40											
Sept. 13	12:15 a. m.	3:00 a. m.	1.18	2:10 a. m.	2:13 a. m.	.68	.29													
Providence, R. I.:																				
July 12	4:35 p. m.	8:10 p. m.	1.72	4:47 p. m.	5:25 p. m.	.02	.31	.61	.82	.93	1.15	1.38	1.53	1.61						
July 30	3:01 p. m.	8:10 p. m.	1.34	5:21 p. m.	5:38 p. m.	.34	.09	.26	.35	.42										
Sept. 13	[3] 8:30 p. m.	7:30 a. m.	2.01	3:13 a. m.	4:13 a. m.	.28	.16	.41	.51	.55	.59	.65	.70	.73	.80	1.03	1.29			
Sept. 18	11:45 a. m.	5:25 p. m.	1.27	4:25 p. m.	4:53 p. m.	.20	.19	.25	.32	.47	.75	.99								
Sept. 20	10:17 a. m.	11:20 a. m.	.55	10:19 a. m.	10:29 a. m.	T.	.21	.44												
Sept. 26	10:00 a. m.	4:10 p. m.	1.95	12:40 p. m. 1:30 p. m.	1:30 p. m. 2:02 p. m.	.10	.10 .86	.20 1.02	.31 1.14	.36 1.23	.43 1.27	.47 1.35	.52 1.43	.60	.66	.75				
Hartford, Conn.:																				
May 21	6:35 p. m.	7:40 p. m.	.63	6:39 p. m.	7:04 p. m.	T.	.07	.16	.26	.41	.52									
June 12	4:25 p. m.	5:05 p. m.	.54	4:32 p. m.	4:50 p. m.	.04	.12	.27	.43	.47										
July 13	6:50 p. m.	D.N. p. m.	.56	7:07 p. m.	7:17 p. m.	T.	.21	.30												
Aug. 14	4:40 p. m.	5:05 p. m.	.54	4:40 p. m.	4:57 p. m.	0	.22	.34	.49	.54										
Aug. 31	8:10 p. m.	[1] D.N. a. m.	1.07	11:23 p. m.	11:43 p. m.	.01	.43	.64	.69	.76										
Sept. 26	D.N. a. m.	1:30 p. m.	1.51	5:28 a. m.	5:50 a. m.	.36	.12	.19	.32	.40	.48									

[1] On following date. [2] November 21. [3] On previous date.

Accumulated amounts of precipitation for each 5 minutes, for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes, or 0.80 in 1 hour, during 1918, at all stations furnished with self-registering gages—Continued.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Depths 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—contd.																				
New Haven, Conn.:																				
June 22	[1] D.N. p. m.	7:20 a. m.	3.11	3:23 a. m.	4:13 a. m.	1.05	0.05	0.10	0.15	0.22	0.31	0.39	0.45	0.50	0.58	0.72	....	....	....	....
				4:13 a. m.	5:03 a. m.	....	.85	.96	1.09	1.21	1.30	1.35	1.43	1.51	1.60	1.69	....	....	....	....
				5:03 a. m.	5:12 a. m.	....	1.79	1.85	....	....	....	....	....	....	....	....	....	....	....	....
June 22	3:00 p. m.	4:25 p. m.	.70	3:15 p. m.	3:43 p. m.	.02	.15	.31	.36	.40	.52	.63	....	....	....	....	....	....	....	....
July 17	12:56 p. m.	4:00 p. m.	.82	12:59 p. m.	1:33 p. m.	T.	.20	.40	.53	.58	.67	.72	.77	....	....	....	....	....	....	....
July 30	3:30 p. m.	[2] 8:15 a. m.	2.78	4:05 p. m.	4:51 p. m.	.05	.17	.34	.46	.57	.60	.66	.74	.80	.87	.90	....	....	....	....
Aug. 9	11:40 a. m.	12:50 p. m.	1.03	11:49 a. m.	12:23 p. m.	T.	.14	.47	.64	.74	.77	.86	.95	....	....	....	....	....	....	....
Sept. 13	[1] 8:02 p. m.	D.N. a. m.	2.05	1:25 a. m.	3:10 a. m.	.25	.07	.15	.23	.31	.39	.44	.50	.59	.68	.74	0.84	1.29	1.64	1.79
MIDDLE ATLANTIC STATES.																				
Albany, N. Y.:																				
June 12	12:24 p. m.	12:50 p. m.	.46	12:34 p. m.	12:40 p. m.	.01	.42	.44	....	....	....	....	....	....	....	....	....	....	....	....
Aug. 31	6:01 p. m.	[2] D.N. a. m.	1.35	7:22 p. m.	7:37 p. m.	.23	.05	.31	.64	....	....	....	....	....	....	....	....	....	....	....
Binghamton, N. Y.:																				
May 12	7:15 p. m.	10:00 p. m.	2.16	8:20 p. m.	9:16 p. m.	.10	.06	.10	.22	.51	.85	1.09	1.31	1.43	1.65	1.82	2.05	....	....	....
June 12	2:00 a. m.	4:15 a. m.	1.26	2:26 a. m.	2:53 a. m.	.20	.10	.30	.41	.53	.59	.64	....	....	....	....	....	....	....	....
July 1	1:30 a. m.	6:45 a. m.	1.12	5:46 a. m.	6:15 a. m.	.42	.07	.24	.42	.53	.59	.64	....	....	....	....	....	....	....	....
July 11	2:50 p. m.	4:30 p. m.	.55	3:14 p. m.	3:31 p. m.	.01	.20	.40	.50	.53	....	....	....	....	....	....	....	....	....	....
July 24	1:40 p. m.	5:20 p. m.	1.26	2:10 p. m.	2:35 p. m.	.02	.11	.40	.69	.92	1.03	....	....	....	....	....	....	....	....	....
Aug. 8	6:15 p. m.	8:15 p. m.	.58	6:37 p. m.	6:46 p. m.	.02	.21	.34	....	....	....	....	....	....	....	....	....	....	....	....
New York, N. Y.:																				
May 21	2:36 p. m.	7:20 p. m.	.89	2:52 p. m.	3:02 p. m.	.02	.31	.43	....	....	....	....	....	....	....	....	....	....	....	....
June 7	1:25 p. m.	1:49 p. m.	.28	1:30 p. m.	1:35 p. m.	T.	.25	....	....	....	....	....	....	....	....	....	....	....	....	....
June 7	5:05 a. m.	7:05 a. m.	.82	6:16 a. m.	6:43 a. m.	.32	.05	.13	.19	.40	.47	.50	....	....	....	....	....	....	....	....
July 30-31	5:10 p. m.	3:00 a. m.	2.48	11:40 p. m.	12:10 a. m.	1.28	.07	.18	.31	.42	.48	.54	....	....	....	....	....	....	....	....
Nov. 17	9:10 a. m.	7:39 p. m.	1.16	10:15 a. m.	10:25 a. m.	.03	.08	.30	....	....	....	....	....	....	....	....	....	....	....	....
Harrisburg, Pa.:																				
May 10	3:05 p. m.	3:35 p. m.	.34	3:07 p. m.	3:14 p. m.	.01	.23	.32	....	....	....	....	....	....	....	....	....	....	....	....
May 28	3:58 p. m.	5:05 p. m.	.66	4:16 p. m.	4:30 p. m.	.01	.27	.52	.60	....	....	....	....	....	....	....	....	....	....	....
July 24	4:50 p. m.	[2] D.N. a. m.	2.25	5:05 p. m.	6:38 p. m.	.03	.08	.13	.28	.40	.49	.64	.73	.84	.84	.90	.98	1.40	1.61	....
Aug. 14	3:12 p. m.	3:25 p. m.	.36	3:15 p. m.	3:24 p. m.	.01	.26	.35	....	....	....	....	....	....	....	....	....	....	....	....
Oct. 30	7:28 p. m.	[2] D.N. a. m.	.84	8:17 p. m.	8:47 p. m.	.15	.08	.19	.32	.41	.45	.56	....	....	....	....	....	....	....	....
Philadelphia, Pa.:																				
May 13	5:55 p. m.	[2] 8:40 a. m.	1.15	5:59 p. m.	6:19 p. m.	.01	.13	.15	.32	.45	....	....	....	....	....	....	....	....	....	....
May 22	D.N. a. m.	5:30 a. m.	1.09	3:36 a. m.	4:07 a. m.	.14	.08	.11	.15	.23	.43	.76	.79	....	....	....	....	....	....	....
May 27	7:35 p. m.	[2] D.N. a. m.	3.16	7:38 p. m.	8:45 p. m.	.01	.12	.14	.32	.62	.68	.74	.77	.82	.87	.93	1.08	1.28	....	....
May 27	7:35 p. m.	[2] D.N. a. m.	3.16	10:18 p. m.	11:33 p. m.	1.53	.09	.17	.20	.24	.35	.58	.78	.89	1.04	1.12	1.17	1.62	....	....
July 19	3:10 p. m.	4:40 p. m.	.81	3:25 p. m.	4:02 p. m.	.01	.05	.17	.35	.49	.51	.58	.67	.73	....	....	....	....	....	....
Aug. 12	3:45 p. m.	5:50 p. m.	1.59	4:10 p. m.	4:50 p. m.	.13	.16	.29	.48	.72	.93	1.13	1.30	1.38	....	....	....	....	....	....
Aug. 14	4:40 p. m.	4:55 p. m.	.36	4:42 p. m.	4:49 p. m.	.01	.29	.35	....	....	....	....	....	....	....	....	....	....	....	....
Sept. 17-18	10:15 p. m.	11:45 a. m.	2.08	11:51 p. m.	12:26 a. m.	.25	.11	.19	.22	.24	.36	.48	.59	....	....	....	....	....	....	....
Reading, Pa.:																				
May 27	10:00 p. m.	11:30 p. m.	1.08	10:17 p. m.	10:27 p. m.	.06	.50	.98	....	....	....	....	....	....	....	....	....	....	....	....
July 19	4:49 p. m.	6:00 p. m.	.45	4:58 p. m.	5:10 p. m.	.03	.19	.33	.38	....	....	....	....	....	....	....	....	....	....	....
Aug. 12	2:40 p. m.	3:47 p. m.	.80	3:16 p. m.	3:32 p. m.	.07	.11	.44	.70	.73	....	....	....	....	....	....	....	....	....	....
Aug. 25	3:55 p. m.	5:45 p. m.	.91	4:01 p. m.	4:25 p. m.	.01	.19	.41	.69	.80	.88	....	....	....	....	....	....	....	....	....
Scranton, Pa.:																				
July 24	12:42 p. m.	7:30 p. m.	1.11	5:04 p. m.	5:31 p. m.	.37	.05	.12	.21	.42	.57	.62	....	....	....	....	....	....	....	....
Aug. 5	5:30 a. m.	6:25 a. m.	.64	6:12 a. m.	6:21 a. m.	.27	.16	.37	....	....	....	....	....	....	....	....	....	....	....	....
Aug. 29	6:53 p. m.	7:25 p. m.	.36	6:53 p. m.	7:00 p. m.	0	.30	.33	....	....	....	....	....	....	....	....	....	....	....	....
Atlantic City, N. J.:																				
May 28	[1] 8:50 p. m.	3:00 a. m.	1.66	12:23 a. m.	12:48 a. m.	.93	.17	.36	.46	.52	.61	....	....	....	....	....	....	....	....	....
Aug. 12	6:00 p. m.	8:07 p. m.	.43	6:24 p. m.	6:35 p. m.	.05	.13	.31	.33	....	....	....	....	....	....	....	....	....	....	....
Sandy Hook, N. J.:																				
Apr. 21	[1] 10:00 p. m.	6:00 p. m.	1.38	7:28 a. m.	7:40 a. m.	.49	.17	.30	.34	....	....	....	....	....	....	....	....	....	....	....
June 5	3:40 p. m.	5:25 p. m.	.52	4:43 p. m.	4:58 p. m.	.06	.12	.29	.44	....	....	....	....	....	....	....	....	....	....	....
June 7	9:40 a. m.	12:20 p. m.	.45	11:51 a. m.	12:04 p. m.	.04	.14	.31	.39	....	....	....	....	....	....	....	....	....	....	....
June 22	[1] 9:55 p. m.	5:40 a. m.	.93	3:55 a. m.	4:05 a. m.	.40	.21	.33	....	....	....	....	....	....	....	....	....	....	....	....
Sept. 18	1:10 p. m.	2:45 p. m.	.55	1:53 p. m.	2:03 p. m.	.12	.20	.41	....	....	....	....	....	....	....	....	....	....	....	....
Trenton, N. J.:																				
May 21	2:15 p. m.	[2] D.N. a. m.	1.99	2:19 p. m.	2:40 p. m.	.01	.23	.41	.47	.57	.58	....	....	....	....	....	....	....	....	....
May 21	2:15 p. m.	[2] D.N. a. m.	1.99	3:34 p. m.	3:40 p. m.	.60	.35	.36	....	....	....	....	....	....	....	....	....	....	....	....
June 5	5:36 p. m.	7:36 p. m.	1.27	6:03 p. m.	6:53 p. m.	.01	.09	.25	.46	.57	.59	.61	.72	.84	1.03	1.10	....	....	....	....
June 10	6:55 p. m.	8:40 p. m.	.90	7:02 p. m.	7:20 p. m.	.01	.11	.35	.54	.58	....	....	....	....	....	....	....	....	....	....
July 6	7:14 p. m.	8:30 p. m.	.81	7:55 p. m.	8:18 p. m.	.03	.08	.25	.59	.73	.78	....	....	....	....	....	....	....	....	....
July 30	4:00 p. m.	[2] D.N. a. m.	2.88	4:37 p. m.	5:45 p. m.	.12	.26	.47	.52	.53	.58	.62	.68	.84	.97	1.03	1.30	1.44	....	....
Aug. 12	2:30 p. m.	5:35 p. m.	1.21	2:40 p. m.	3:07 p. m.	.02	.20	.31	.55	.76	.86	.90	....	....	....	....	....	....	....	....
Baltimore, Md.:																				
May 10	4:35 p. m.	5:50 p. m.	.77	4:54 p. m.	5:26 p. m.	.10	.12	.21	.23	.37	.51	.63	.66	....	....	....	....	....	....	....
May 21	4:15 p. m.	10:10 p. m.	1.58	4:20 p. m.	4:29 p. m.	.01	.10	.44	....	....	....	....	....	....	....	....	....	....	....	....
May 21	4:15 p. m.	10:10 p. m.	1.58	6:10 p. m.	6:18 p. m.	.68	.20	.30	....	....	....	....	....	....	....	....	....	....	....	....
July 30	2:33 p. m.	5:05 p. m.	.53	2:39 p. m.	2:51 p. m.	.01	.26	.40	.44	....	....	....	....	....	....	....	....	....	....	....
Aug. 31	4:16 p. m.	7:20 p. m.	1.27	4:40 p. m.	5:04 p. m.	.04	.52	.72	.95	1.13	1.18	....	....	....	....	....	....	....	....	....
Nov. 18	[1] 11:54 p. m.	3:20 a. m.	.62	1:44 a. m.	1:52 a. m.	.09	.13	.32	....	....	....	....	....	....	....	....	....	....	....	....
Washington, D. C.:																				
May 10	5:00 p. m.	6:05 p. m.	.32	5:20 p. m.	5:29 p. m.	.02	.17	.30	....	....	....	....	....	....	....	....	....	....	....	....
May 13	2:27 p. m.	2:45 p. m.	.32	2:31 p. m.	2:39 p. m.	.02	.23	.30	....	....	....	....	....	....	....	....	....	....	....	....
May 13	3:03 p. m.	[2] 5:20 a. m.	.80	3:15 p. m.	3:28 p. m.	.01	.24	.35	.42	....	....	....	....	....	....	....	....	....	....	....
July 12	4:15 p. m.	[2] 5:00 a. m.	1.19	5:21 p. m.	5:50 p. m.	.01	.19	.36	.52	.63	.73	.79	....	....	....	....	....	....	....	....
July 25	1:26 p. m.	3:12 p. m.	1.08	1:48 p. m.	2:17 p. m.	.03	.06	.13	.29	.56	.72	.83	....	....	....	....	....	....	....	....

[1] On previous date.

[2] On following date.

Accumulated amounts of precipitation for each 5 minutes, for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes, or 0.80 in 1 hour, during 1918, at all stations furnished with self-registering gages—Continued.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Depths of precipitation (in inches) during periods of time indicated.													
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
MIDDLE ATLANTIC STATES—contd.																				
Cape Henry, Va.:																				
May 23	3:35 p. m.	4:45 p. m.	0.84	3:38 p. m.	4:13 p. m.	0.01	0.07	0.28	0.37	0.53	0.59	0.64	0.74	....	....	....	....	....	....	....
June 7	3:57 p. m.	4:45 p. m.	1.14	3:57 p. m.	4:23 p. m.	0	.24	.38	.58	.88	1.07	1.12	....	....	....	....	....	....	....	....
July 12	11:40 a. m.	3:27 p. m.	2.18	11:42 a. m.	1:01 p. m.	T.	.05	.16	.24	.28	.37	.53	.57	0.67	0.86	1.17	1.60	1.89	....	....
Aug. 18	8:57 a. m.	10:52 p. m.	2.23	11:57 a. m.	12:50 p. m.	.56	.12	.37	.65	.77	.88	.91	.95	1.00	1.05	1.10	1.19	....	....	....
Sept 20	2:00 p. m.	5:42 p. m.	2.07	2:03 p. m.	2:12 p. m.	.01	.13	.30	....	....	....	....	....	....	....	....	....	....	....	....
Sept. 20	2:00 p. m.	5:42 p. m.	2.07	2:48 p. m.	3:22 p. m.	.41	.17	.28	.59	.88	1.18	1.21	1.34	....	....	....	....	....	....	....
Lynchburg, Va.:																				
July 12	11:55 a. m.	12:45 p. m.	1.04	12:11 p. m.	12:29 p. m.	.01	.25	.70	.92	1.00	....	....	....	....	....	....	....	....	....	....
July 16	3:45 p. m.	5:00 p. m.	.58	4:07 p. m.	4:20 p. m.	.01	.22	.46	.53	....	....	....	....	....	....	....	....	....	....	....
Aug. 25	4:30 p. m.	4:50 p. m.	.42	4:33 p. m.	4:45 p. m.	.01	.18	.37	.41	....	....	....	....	....	....	....	....	....	....	....
Norfolk, Va.:																				
April 21	8:45 a. m.	11:20 a. m.	.69	10:53 a. m.	11:06 a. m.	.16	.12	.37	.52	....	....	....	....	....	....	....	....	....	....	....
May 23	3:42 p. m.	4:43 p. m.	.62	3:50 p. m.	4:16 p. m.	.01	.08	.21	.31	.38	.54	.56	....	....	....	....	....	....	....	....
June 7	3:25 p. m.	4:20 p. m.	.67	3:38 p. m.	3:53 p. m.	.01	.12	.40	.63	....	....	....	....	....	....	....	....	....	....	....
June 25–26	3:05 p. m.	6:20 a. m.	2.13	11:42 p. m.	12:19 a. m.	.53	.06	.19	.30	.38	.44	.49	.56	.58	....	....	....	....	....	....
July 1	9:05 a. m.	11:45 a. m.	.61	10:28 a. m.	10:35 a. m.	.15	.35	.38	....	....	....	....	....	....	....	....	....	....	....	....
Sept. 8	D.N. a. m.	4:45 p. m.	.78	7:50 a. m.	8:07 a. m.	.10	.15	.30	.40	.44	....	....	....	....	....	....	....	....	....	....
Richmond, Va.:																				
Mar. 6	6:48 p. m.	8:00 p. m.	.63	6:53 p. m.	7:22 p. m.	.01	.16	.19	.20	.21	.34	.57	....	....	....	....	....	....	....	....
Apr. 17	2:52 p. m.	3:20 p. m.	.48	3:06 p. m.	3:14 p. m.	.01	.32	.47	....	....	....	....	....	....	....	....	....	....	....	....
June 2	7:55 p. m.	9:45 p. m.	1.02	8:46 p. m.	9:18 p. m.	.01	.37	.70	.75	.78	.85	.95	1.01	....	....	....	....	....	....	....
June 7	3:02 p. m.	3:28 p. m.	.36	3:02 p. m.	3:10 p. m.	0	.27	.33	....	....	....	....	....	....	....	....	....	....	....	....
Aug. 10	6:25 p. m.	D.N. p. m.	.72	6:25 p. m.	6:44 p. m.	0	.13	.31	.45	.52	....	....	....	....	....	....	....	....	....	....
Wytheville, Va.:																				
June 18	5:25 p. m.	9:50 p. m.	2.06	5:51 p. m.	6:30 p. m.	.01	.44	.77	1.03	1.27	1.45	1.57	1.69	1.76	....	....	....	....	....	....
June 25	7:40 a. m.	D.N. p. m.	2.56	2:57 p. m.	3:27 p. m.	.89	.10	.23	.30	.44	.57	.63	....	....	....	....	....	....	....	....
June 25	7:40 a. m.	D.N. p. m.	2.56	5:33 p. m.	5:46 p. m.	1.99	.14	.37	.46	....	....	....	....	....	....	....	....	....	....	....
July 30	11:47 a. m.	D.N. p. m.	2.03	11:51 a. m.	12:56 p. m.	.01	.09	.13	.28	.43	.58	.81	1.04	1.25	1.35	1.51	1.66	1.78	....	....
Aug. 15	1:22 p. m.	2:50 p. m.	.65	1:28 p. m.	1:43 p. m.	.01	.16	.40	.56	....	....	....	....	....	....	....	....	....	....	....
Oct. 25	[1] 6:15 p. m.	D.N. p. m.	4.29	9:20 a. m.	9:40 a. m.	1.38	.08	.20	.36	.46	....	....	....	....	....	....	....	....	....	....
SOUTH ATLANTIC STATES.																				
Asheville, N. C.:[2]																				
May 21	1:45 p. m.	5:34 p. m.	1.24	3:08 p. m.	3:26 p. m.	.33	.20	.42	.67	.74	....	....	....	....	....	....	....	....	....	....
May 28	2:38 p. m.	3:50 p. m.	1.49	2:41 p. m.	3:27 p. m.	.01	.22	.42	.55	.74	1.01	1.17	1.30	1.36	1.42	1.44	....	....	....	....
June 3	11:58 a. m.	4:58 p. m.	2.18	12:45 p. m.	1:57 p. m.	.03	.15	.33	.65	.84	1.00	1.13	1.19	1.20	1.26	1.28	1.29	1.79	....	....
June 17	12:15 p. m.	12:50 p. m.	.72	12:20 p. m.	12:36 p. m.	.01	.34	.60	.69	.71	....	....	....	....	....	....	....	....	....	....
June 30	6:40 p. m.	10:30 p. m.	.61	6:49 p. m.	7:04 p. m.	.01	.24	.40	.46	....	....	....	....	....	....	....	....	....	....	....
Aug. 9	4:45 p. m.	6:50 p. m.	.59	5:09 p. m.	5:24 p. m.	.04	.18	.42	.49	....	....	....	....	....	....	....	....	....	....	....
Aug. 18	2:10 p. m.	7:10 p. m.	2.27	2:16 p. m.	2:36 p. m.	.01	.48	1.31	1.71	1.80	....	....	....	....	....	....	....	....	....	....
Oct. 25	[1] 12:20 p. m.	10:00 a. m.	7.76	6:25 a. m.	7:55 a. m.	4.88	.09	.17	.46	.67	.91	1.10	1.20	1.25	1.36	1.57	1.68	1.94	2.50	....
Charlotte, N. C.:[2]																				
Feb. 14	7:20 p. m.	D.N. p. m.	.73	9:26 p. m.	9:55 p. m.	.08	.14	.40	.46	.50	.51	.65	....	....	....	....	....	....	....	....
May 20	4:17 p. m.	7:07 p. m.	.64	4:19 p. m.	4:29 p. m.	.01	.29	.48	....	....	....	....	....	....	....	....	....	....	....	....
Aug. 31	2:58 p. m.	4:03 p. m.	.68	3:25 p. m.	3:57 p. m.	.01	.08	.14	.24	.36	.54	.58	.67	....	....	....	....	....	....	....
Sept. 19–20	D.N. p. m.	D.N. a. m.	2.52	11:57 p. m.	12:57 a. m.	.01	.28	.62	.84	1.06	1.27	1.44	1.57	1.75	1.77	1.80	1.98	....	....	....
Nov. 16	D.N. p. m.	[3] 7:37 a. m.	.89	11:25 p. m.	11:43 p. m.	.21	.26	.36	.49	.54	....	....	....	....	....	....	....	....	....	....
Hatteras, N. C.:[2]																				
Jan. 12	D.N. a. m.	D.N. a. m.	.46	2:30 a. m.	2:41 a. m.	.07	.31	.37	.38	....	....	....	....	....	....	....	....	....	....	....
Apr. 19	10:10 a. m.	12:10 p. m.	.70	10:41 a. m.	11:07 a. m.	.05	.11	.18	.32	.41	.60	.63	....	....	....	....	....	....	....	....
May 23	9:05 p. m.	10:30 p. m.	.78	9:07 p. m.	9:43 p. m.	.01	.13	.22	.31	.43	.57	.61	.69	.73	....	....	....	....	....	....
June 26	D.N. a. m.	6:20 a. m.	3.52	4:14 a. m.	5:45 a. m.	.78	.11	.14	.44	.68	.99	1.05	1.06	1.08	1.10	1.24	1.90	2.37	2.72	....
July 12	3:25 p. m.	5:45 p. m.	.71	3:27 p. m.	3:43 p. m.	.01	.15	.33	.50	.52	....	....	....	....	....	....	....	....	....	....
July 19	7:05 p. m.	[3] D.N. a. m.	1.20	8:32 p. m.	8:59 p. m.	.17	.11	.20	.28	.53	.61	.66	....	....	....	....	....	....	....	....
July 30	7:05 a. m.	4:30 p. m.	1.70	2:09 p. m.	3:38 p. m.	.52	.07	.12	.18	.26	.36	.44	.54	.55	.56	.62	.86	1.02	1.18	....
Nov. 18	4:00 a. m.	5:35 a. m.	1.06	4:50 a. m.	5:17 a. m.	.09	.10	.36	.54	.68	.93	.97	....	....	....	....	....	....	....	....
Dec. 15	D.N. a. m.	6:35 a. m.	1.37	3:04 a. m.	3:28 a. m.	.55	.05	.20	.41	.55	.62	....	....	....	....	....	....	....	....	....
Raleigh, N. C.:[2]																				
May 13	7:55 p. m.	[3] 8:40 a. m.	2.39	8:55 p. m.	9:18 p. m.	.01	.15	.26	.43	.51	.57	....	....	....	....	....	....	....	....	....
July 19	[1] 6:06 p. m.	D.N. a. m.	1.44	1:44 a. m.	2:44 a. m.	.43	.05	.10	.15	.24	.40	.50	.55	.60	.68	.86	1.00	....	....	....
Aug. 31	5:32 p. m.	7:16 p. m.	.64	5:39 p. m.	5:58 p. m.	T.	.20	.27	.43	.53	....	....	....	....	....	....	....	....	....	....
Sept. 18	7:51 p. m.	D.N. p. m.	1.00	8:06 p. m.	8:28 p. m.	.04	.18	.51	.72	.80	.83	....	....	....	....	....	....	....	....	....
Wilmington, N. C.:[2]																				
Apr. 20	2:50 p. m.	6:35 p. m.	1.01	4:44 p. m.	5:20 p. m.	.25	.07	.10	.18	.25	.44	.63	.67	.74	....	....	....	....	....	....
June 7	8:43 p. m.	[3] D.N. a. m.	1.76	8:43 p. m.	9:31 p. m.	0	.23	.47	.61	.76	84	1 02	1.09	1.19	1.26	1.31	....	....	....	....
June 26	12:08 a. m.	1:40 a. m.	.66	12:10 a. m.	12:29 a. m.	.01	.26	.38	.56	.61	....	....	....	....	....	....	....	....	....	....
July 19	8:10 p. m.	[3] D.N. a. m.	1.62	9:26 p. m.	10:00 p. m.	.04	.16	.37	.57	.82	1.05	1.32	1.46	....	....	....	....	....	....	....
July 31	7:20 p. m.	10:15 p. m.	1.14	7:28 p. m.	8:03 p. m.	.01	.18	.38	.43	.49	.57	.83	.96	....	....	....	....	....	....	....
Aug. 24	6:25 a. m.	10:10 p. m.	4.49	2:51 p. m.	3:10 p. m.	2.22	.06	.35	.50	.60	....	....	....	....	....	....	....	....	....	....
Nov. 28	12:40 p. m.	5:55 p. m.	1.18	2:00 p. m.	2:24 p. m.	.33	.17	.35	.50	.55	.64	....	....	....	....	....	....	....	....	....
Charleston, S. C.:[2]																				
May 15	10:30 a. m.	2:15 p. m.	1.22	10:38 a. m.	11:27 a. m.	.04	.10	.23	.34	.38	.49	.52	.64	.72	.79	.88	....	....	....	....
May 16	3:08 p. m.	9:30 p. m.	1.46	5:16 p. m.	6:05 p. m.	.44	.09	.13	.21	.37	.53	.71	.80	.84	.92	.97	....	....	....	....
July 8	1:45 p. m.	[3] D.N. a. m.	2.64	2:36 p. m.	3:24 p. m.	.33	.10	.18	.31	.50	.70	.71	.71	.75	.95	.98	....	....	....	....
July 19	5:05 p. m.	D.N. p. m.	2.70	5:31 p. m.	6:21 p. m.	.03	.13	.16	.17	.26	.46	.58	.78	.95	1.01	1.15	....	....	....	....
				6:21 p. m.	7:11 p. m.	....	1.24	1.27	1.33	1.42	1.56	1.60	1.61	1.65	1.68	1.78	....	....	....	....
				7:11 p. m.	7:51 p. m.	....	1.92	2.04	2.13	2.19	2.28	2.40	2.54	2.60	....	....	....	....	....	....
Aug. 28	11:01 a. m.	2:00 p. m.	1.37	11:10 a. m.	11:49 a. m.	.03	.07	.10	.14	.26	.56	.89	1.04	1.09	....	....	....	....	....	....
Columbia, S. C.:[2]																				
Apr. 21	D.N. a. m.	D.N. a. m.	.60	1:51 a. m.	2:06 a. m.	.09	.25	.36	.41	....	....	....	....	....	....	....	....	....	....	....
July 19	6:14 p. m.	8:30 p. m.	.49	6:17 p. m.	6:27 p. m.	.01	.29	.43	....	....	....	....	....	....	....	....	....	....	....	....
Aug. 15	8:02 p. m.	D.N. p. m.	1.76	8:05 p. m.	8:55 p. m.	.01	.13	.27	.41	.64	.90	1.11	1.34	1.44	1.56	1.68	....	....	....	....
Aug. 18	9:30 p. m.	10:40 p. m.	.70	9:43 p. m.	10:07 p. m.	.03	.17	.29	.42	.52	.58	....	....	....	....	....	....	....	....	....
Sept. 7	12:30 p. m.	[3] 10:15 a. m.	2.46	1:02 p. m.	1:20 p. m.	.15	.22	.34	.43	.51	....	....	....	....	....	....	....	....	....	....

[1] On previous date.

[2] Only the more important storms are recorded.

[3] On following date.

Accumulated amounts of precipitation for each 5 minutes, for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes, or 0.80 in 1 hour, during 1918, at all stations furnished with self-registering gages—Continued.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Depths 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—contd.																				
Greenville, S. C.:[1]																				
Feb. 14	5:20 p. m.	8:30 p. m.	1.33	6:47 p. m.	8:10 p. m.	0.07	0.10	0.22	0.38	0.42	0.42	0.42	0.42	0.47	0.63	0.70	0.77	1.06	1.26	....
Apr. 3	2:10 p. m.	3:30 p. m.	.78	2:26 p. m.	2:53 p. m.	.01	.11	.23	.46	.57	.65	.69	....	....	....	....	....	....	....	....
May 8	6:01 p. m.	10:00 p. m.	2.13	6:11 p. m.	6:37 p. m.	.01	.20	.38	.56	.72	.80	.82	....	....	....	....	....	....	....	....
May 8	6:01 p. m.	10:00 p. m.	2.13	7:48 p. m.	8:08 p. m.	.97	.17	.45	.58	.64	....	....	....	....	....	....	....	....	....	....
May 22	5:52 p. m.	6:32 p. m.	.75	6:00 p. m.	6:15 p. m.	.03	.17	.54	.70	....	....	....	....	....	....	....	....	....	....	....
June 6	12:00 noon.	1:15 p. m.	1.22	12:08 p. m.	12:50 p. m.	.01	.16	.43	.65	.72	.77	.89	.97	1.13	1.18	....	....	....	....	....
June 7	2:10 p. m.	3:10 p. m.	.57	2:30 p. m.	2:39 p. m.	.08	.33	.41	....	....	....	....	....	....	....	....	....	....	....	....
June 17	12:23 p. m.	2:10 p. m.	.60	12:34 p. m.	12:53 p. m.	.01	.21	.40	.46	.52	....	....	....	....	....	....	....	....	....	....
Oct. 24	2:40 p. m.	[2] 4:20 p. m.	7.34	7:05 p. m.	7:55 p. m.	.43	.09	.17	.32	.44	.61	.72	.78	.82	.86	.91	....	....	....	....
				7:55 p. m.	8:45 p. m.	.....	.96	.99	1.02	1.07	1.13	1.20	1.26	1.32	1.36	1.37	....	....	....	....
				8:45 p. m.	9:07 p. m.	.....	1.42	1.47	1.56	1.63	1.67	....	....	....	....	....	....	....	....	....
Oct. 25	[3] 2:40 p. m.	4:20 p. m.	7.34	1:19 p. m.	2:23 p. m.	4.93	.13	.42	.62	.68	.74	.80	.89	.95	1.02	1.15	1.50	1.57	....	....
Augusta, Ga.:[1]																				
Apr. 19	7:05 p. m.	8:10 p. m.	.61	7:34 p. m.	7:57 p. m.	.08	.09	.30	.36	.47	.53	....	....	....	....	....	....	....	....	....
July 8	3:00 p. m.	7:15 p. m.	1.09	3:19 p. m.	3:57 p. m.	.01	.20	.37	.53	.64	.76	.81	.89	.92	....	....	....	....	....	....
July 23	4:30 p. m.	7:33 p. m.	.73	4:46 p. m.	5:03 p. m.	.01	.06	.25	.53	.60	....	....	....	....	....	....	....	....	....	....
Aug. 16	5:25 p. m.	6:10 p. m.	.57	5:41 p. m.	5:51 p. m.	.08	.27	.46	....	....	....	....	....	....	....	....	....	....	....	....
Savannah, Ga.:[1]																				
Apr. 26	[3] 9:30 p. m.	5:45 a. m.	2.13	12:54 a. m.	2:06 a. m.	.62	.07	.16	.24	.30	.34	.40	.49	.58	.70	.81	.98	1.19	....	....
May 16	2:32 p. m.	4:15 p. m.	.69	3:11 p. m.	3:33 p. m.	.06	.06	.19	.24	.50	.55	....	....	....	....	....	....	....	....	....
June 26	5:30 p. m.	6:15 p. m.	.55	5:48 p. m.	6:05 p. m.	.06	.17	.37	.45	.49	....	....	....	....	....	....	....	....	....	....
July 20	1:05 p. m.	5:40 p. m.	1.09	1:26 p. m.	1:45 p. m.	.04	.07	.21	.49	.63	....	....	....	....	....	....	....	....	....	....
July 29	11:01 a. m.	12:03 p. m.	.56	11:23 a. m.	11:39 a. m.	.01	.18	.37	.51	.54	....	....	....	....	....	....	....	....	....	....
July 31	1:27 p. m.	6:45 p. m.	3.74	2:45 p. m.	3:48 p. m.	.62	.08	.23	.44	.71	.87	1.19	1.62	2.04	2.32	2.41	2.56	2.65	....	....
Aug. 2	11:42 a. m.	12:28 p. m.	.92	11:42 a. m.	12:02 p. m.	0	.18	.53	.79	.91	....	....	....	....	....	....	....	....	....	....
Aug. 19	3:06 p. m.	5:00 p. m.	.82	3:59 p. m.	4:28 p. m.	.10	.12	.13	.20	.49	.66	.71	....	....	....	....	....	....	....	....
Aug. 30	4:42 p. m.	7:25 p. m.	1.00	4:44 p. m.	5:23 p. m.	.01	.11	.21	.27	.37	.51	.64	.74	.80	....	....	....	....	....	....
Sept. 7	12:35 p. m.	10:00 p. m.	1.58	12:41 p. m.	1:07 p. m.	.01	.10	.21	.35	.60	.87	.89	....	....	....	....	....	....	....	....
Sept. 15	12:05 a. m.	D.N.a.m.	.74	12:26 a. m.	12:48 a. m	.07	.08	.32	.46	.56	.60	....	....	....	....	....	....	....	....	....
Jacksonville, Fla.:[1]																				
Mar. 4	4:58 p. m.	5:30 p. m.	.51	5:03 p. m.	5:17 p. m.	.01	.28	.44	.50	....	....	....	....	....	....	....	....	....	....	....
Apr. 19	10:55 a. m.	2:20 p. m.	1.44	11:37 a. m.	12:19 p. m.	.02	.18	.47	.62	.78	.86	.93	1.06	1.16	1.21	....	....	....	....	....
May 14	10:30 a. m.	4:20 p. m.	2.02	12:24 p. m.	12:53 p. m.	.04	.34	.77	1.15	1.37	1.49	1.55	....	....	....	....	....	....	....	....
June 8	3:00 p. m.	4:20 p. m.	.66	3:08 p. m.	3:39 p. m.	.01	.10	.25	.41	.49	.53	.58	.63	....	....	....	....	....	....	....
July 21	1:54 p. m.	7:35 p. m.	1.69	2:05 p. m.	3:13 p. m.	.01	.10	.46	.76	.78	.78	.78	.78	.78	.79	.92	1.22	1.43	....	....
Sept. 19	2:05 p. m	3:18 p m.	.90	2:24 p. m.	2:53 p. m.	.04	.07	.13	.23	.47	.56	.63	....	....	....	....	....	....	....	....
Oct. 17	[3] 6:35 a. m.	D.N.a.m.	1.35	12:14 a. m.	12:36 a. m.	.48	.23	.43	.61	.72	.82	....	....	....	....	....	....	....	....	....
FLORIDA PENINSULA.																				
Miami, Fla.:[1]																				
Feb. 17	D.N.a.m.	7:25 a. m.	1.73	4:50 a. m.	5:40 a. m.	.02	.08	.17	.26	.32	.35	.40	.47	.51	.63	.70	....	....	....	....
				5:40 a. m.	6:30 a. m.	.....	.76	.82	.96	1.01	1.06	1.10	1.10	1.12	1.20	1.25	....	....	....	....
				6:30 a. m.	7:01 a. m.	.....	1.30	1.33	1.40	1.46	1.57	1.67	1.68	....	....	....	....	....	....	....
Apr. 27	12:42 p. m.	2:00 p. m.	.82	1:22 p. m.	1:41 p. m.	.14	.19	.46	.57	.64	....	....	....	....	....	....	....	....	....	....
May 2	D.N.a.m.	D.N.a.m.	1.18	2:06 a. m.	2:46 a. m.	.08	.23	.51	.58	.64	.75	.87	.93	1.01	....	....	....	....	....	....
May 18	10:12 a. m.	10:35 a. m.	.48	10:12 a. m.	10:29 a. m.	0	.12	.33	.41	.48	....	....	....	....	....	....	....	....	....	....
June 10	3:13 p. m.	7:10 p. m.	.94	3:44 p. m.	4:07 p. m.	.01	.12	.40	.58	.77	.83	....	....	....	....	....	....	....	....	....
June 19	11:28 a. m.	1:55 p. m.	.68	11:50 a. m.	12:02 p. m.	.01	.20	.41	.46	....	....	....	....	....	....	....	....	....	....	....
June 19	6:45 p. m.	9:05 p. m.	1.20	7:00 p. m.	7:43 p. m.	.03	.07	.21	.34	.56	.69	.78	.82	.92	1.00	....	....	....	....	....
June 21	11:09 a. m.	11:55 a. m.	.79	11:14 a. m.	11:30 a. m.	.01	.33	.63	.75	.77	....	....	....	....	....	....	....	....	....	....
July 17	5:18 p. m.	6:35 p. m.	.86	5:23 p. m.	5:43 p. m.	.01	.16	.38	.65	.80	....	....	....	....	....	....	....	....	....	....
Sept. 12	4:28 p. m.	5:50 p. m.	1.09	4:30 p. m.	5:03 p. m.	.01	.19	.58	.74	.79	.84	.97	1.03	....	....	....	....	....	....	....
Sept. 14	6:25 p. m.	7:15 p. m.	.97	6:41 p. m.	7:03 p. m.	.02	.14	.53	.71	.89	.95	....	....	....	....	....	....	....	....	....
Sept. 18	11:38 a. m.	2:25 p. m.	.92	12:18 p. m.	1:00 p. m.	.06	.12	.22	.32	.38	.40	49	.62	.77	.83	....	....	....	....	....
Sept. 24	4:05 p. m.	D.N.p.m.	2.82	6:14 p. m.	6:51 p. m.	.20	.31	.67	.83	1.07	1.40	1.59	1.69	1.75	....	....	....	....	....	....
Oct. 12	6:51 p. m.	8:55 p. m.	.74	7:45 p. m.	7:57 p. m.	.08	.31	.56	.62	....	....	....	....	....	....	....	....	....	....	....
Dec. 1	7:22 p. m.	D.N.p.m.	1.64	8:04 p. m.	8:44 p. m.	.14	.18	.29	.37	.45	.64	.90	1.26	1.49	....	....	....	....	....	....
Key West, Fla.:[1]																				
Mar. 19	9:25 p. m.	[2] D.N.a.m.	1.67	9:59 p. m.	10:28 p. m.	.08	.15	.43	.62	.76	.90	.97	....	....	....	....	....	....	....	....
Apr. 7	D.N.p.m.	[2] D.N.a.m.	1.36	10:49 p. m.	11:34 p. m.	.07	.07	.34	.54	.69	.71	.78	.87	.93	.98	....	....	....	....	....
May 22	9:43 a. m.	10:30 a. m.	.57	10:06 a. m.	10:14 a. m.	.04	.29	.46	....	....	....	....	....	....	....	....	....	....	....	....
May 29	8:38 a. m.	4:35 p. m.	1.60	11:07 a. m.	11:36 a. m.	.45	.13	.21	.25	.44	.59	.65	....	....	....	....	....	....	....	....
Sept. 3	10:05 a. m.	12:25 p. m.	2.01	10:27 a. m.	11:15 a. m.	.01	.40	.88	1.06	1.15	1.27	1.40	1.57	1.74	1.85	1.90	....	....	....	....
Oct. 13	10:00 a. m.	2:45 p. m.	.82	10:57 a. m.	11:07 a. m.	.09	.36	.44	....	....	....	....	....	....	....	....	....	....	....	....
Oct. 15	[3] D.N.p.m.	D.N. a.m	1.60	12:34 a. m.	12:59 a. m.	.44	.10	.34	.58	.78	.98	....	....	....	....	....	....	....	....	....
Oct. 24	1:23 p. m.	3:10 p. m.	.88	2:31 p. m.	2:46 p. m.	.32	.17	.34	.51	....	....	....	....	....	....	....	....	....	....	....
Sand Key, Fla.:[1]																				
Mar. 18	10:40 p. m.	11:45 p.m	1.10	11:06 p. m.	11:40 p. m.	.06	.16	.50	.74	.75	.83	.92	1.03	....	....	....	....	....	....	....
Mar. 19	9:40 p. m.	10:40 p. m.	.69	9:54 p. m.	10:14 p. m.	.03	.33	.48	.54	.61	....	....	....	....	....	....	....	....	....	....
Mar. 20	1:10 a. m.	2:30 a. m.	.85	1:21 a. m.	1:41 a. m.	.04	.21	.45	.57	.65	....	....	....	....	....	....	....	....	....	....
Mar. 20	3:42 p. m.	5:30 p. m.	.88	4:07 p. m.	4:45 p. m.	.16	.05	.10	.17	.30	.45	.52	.64	.70	....	....	....	....	....	....
Apr. 19	3:10 a. m.	7:05 a. m.	1.10	4:41 a. m.	5:11 a. m.	.04	.10	.24	.44	.64	.68	.75	....	....	....	....	....	....	....	....
Aug. 21	2:23 p. m.	2:55 p. m.	.46	2:25 p. m.	2:35 p. m.	.01	.29	.43	....	....	....	....	....	....	....	....	....	....	....	....
Sept. 22	4:20 a. m.	6:35 a. m.	1.07	5:43 a. m.	6:12 a. m.	.02	.22	.45	.59	.79	.93	1.02	....	....	....	....	....	....	....	....
Oct. 18	8:17 a. m.	8:40 a. m.	.52	8:20 a. m.	8:33 a. m.	.01	.19	.44	.50	....	....	....	....	....	....	....	....	....	....	....
Tampa, Fla.:[1]																				
Jan. 6	10:50 a. m.	3:20 p. m.	1.53	11:32 a. m.	12:32 p. m.	.07	.15	.21	.31	.34	.39	.45	.49	.52	.55	.63	1.00	....	....	....
May 20	3:15 p. m.	4:50 p. m.	1.36	3:25 p. m.	4:27 p. m.	.02	.20	.26	.28	.29	.38	.52	.60	.73	.89	1.03	1.27	1.34	....	....
Aug. 9	3:55 p. m.	5:30 p. m.	1.66	4:17 p. m.	5:10 p. m.	.07	.11	.24	.48	.72	.98	1.27	1.40	1.53	1.64	1.71	1.78	....	....	....
Aug. 18	4:25 p. m.	6:15 p. m.	1.18	4:32 p. m.	4:57 p. m.	.03	.30	.50	.74	.97	1.08	....	....	....	....	....	....	....	....	....
Sept. 29	5:00 a. m.	5:55 a. m.	1.52	5:04 a. m.	5:36 a. m.	.01	.36	.65	.97	1.22	1.24	1.39	1.49	....	....	....	....	....	....	....

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

Accumulated amounts of precipitation for each 5 minutes, for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes, or 0.80 in 1 hour, during 1918, at all stations furnished with self-registering gages—Continued.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Depths of precipitation (in inches) during periods of time indicated.													
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
EAST GULF STATES.																				
Atlanta, Ga.:[1]																				
Jan. 28	8:35 a. m.	7:15 p. m.	1.43	10:32 a. m.	10:49 a. m.	0.13	0.21	0.33	0.45	0.50										
May 13	9:25 a. m.	5:20 p. m.	1.22	11:10 a. m.	11:30 a. m.	.18	.36	.41	.47	.52										
June 6	1:30 p. m.	2:05 p. m.	.76	1:32 p. m.	1:57 p. m.	.02	[2].20	[2].45	[2].60	[2].68	0.73									
July 8	5:35 p. m.	7:15 p. m.	.72	5:52 p. m.	6:02 p. m.	.01	.36	.70												
Aug. 27	4:05 p. m.	7:15 p. m.	.90	5:11 p. m.	5:26 p. m.	.03	.40	.73	.83											
Aug. 31	12:15 p. m.	1:25 p. m.	.93	12:47 p. m.	1:22 p. m.	.02	.10	.18	.34	.52	.59	0.75	0.91							
Aug. 31	1:45 p. m.	3:30 p. m.	.65	2:11 p. m.	2:26 p. m.	.03	.21	.46	.56											
Sept. 3	11:30 a. m.	12:50 p. m.	1.14	11:40 a. m.	12:10 p. m.	.05	.11	.33	.72	.87	.92	.97								
Oct. 24	11:15 a. m.	3:50 p. m.	1.62	1:19 p. m.	1:45 p. m.	.56	.18	.29	.37	.50	.77	.78								
Oct. 29	2:55 p. m.	4:46 p. m.	.77	3:20 p. m.	3:40 p. m.	.01	.35	.44	.46	.61										
Leesburg, Ga.:[1]																				
Aug. 1	1:30 p. m.	3:09 p. m.	1.16	1:32 p. m.	2:01 p. m.	.01	.15	.32	.61	.83	.96	1.01								
Aug. 10	6:40 a. m.	10:23 a. m.	3.31	7:01 a. m.	8:06 a. m.	.01	.19	.46	.78	1.12	1.33	1.59	1.83	2.04	2.17	2.41	2.73	2.92		
Sept. 29	D. N. a. m.	7:05 a. m.	.98	4:41 a. m.	5:15 a. m.	.05	.09	.26	.35	.47	.66	.78	.85							
Macon, Ga.:[1]																				
Jan. 11	11:50 a. m.	5:35 p. m.	1.67	3:30 p. m.	4:33 p. m.	.11	.10	.18	.45	.57	.62	.69	.70	.71	.73	.78	1.04	1.22		
June 17	1:55 p. m.	4:15 p. m.	.98	2:21 p. m.	2:41 p. m.	.15	.29	.55	.61	.68										
June 29	2:52 p. m.	4:30 p. m.	.93	2:54 p. m.	3:16 p. m.	.01	.19	.37	.63	.79	.81									
July 23	4:34 p. m.	6:02 p. m.	1.00	4:49 p. m.	5:11 p. m.	.14	.25	.55	.66	.73	.75									
Aug. 16	6:03 p. m.	7:23 p. m.	.88	6:05 p. m.	6:22 p. m.	.01	.13	.32	.74	.79										
Sept. 5	11:13 a. m.	12:30 p. m.	.84	11:22 a. m.	11:42 a. m.	.05	.10	.31	.58	.74										
Oct. 25	6:12 a. m.	12:20 p. m.	2.04	7:46 a. m.	8:27 a. m.	.28	.14	.26	.57	.65	.68	.84	.87	.93	.96					
Thomasville, Ga.:[1]																				
Jan. 14	5:36 p. m.	D. N. p. m.	1.13	9:52 p. m.	10:16 p. m.	.24	.32	.59	.64	.69	.76									
Feb. 3	7:01 a. m.	12:35 p. m.	1.75	11:18 a. m.	11:34 a. m.	.80	.19	.69	.83	.88										
June 4	2:02 p. m.	3:45 p. m.	1.23	2:35 p. m.	3:05 p. m.	.18	.19	.52	.69	.83	.87	.97								
June 26	11:10 a. m.	12:09 p. m.	.96	11:19 a. m.	11:42 a. m.	.01	.16	.35	.59	.74	.80									
June 28	3:56 p. m.	5:20 p. m.	1.44	4:19 p. m.	4:52 p. m.	.11	.21	.40	.72	.96	1.12	1.24	1.31							
Aug. 16	4:07 p. m.	8:05 p. m.	2.53	4:15 p. m.	4:51 p. m.	.05	.40	.65	.90	1.07	1.21	1.33	1.42	1.46						
Sept. 20	2:05 p. m.	3:08 p. m.	.84	2:34 p. m.	2:55 p. m.	.03	.28	.42	.62	.79	.81									
Dec. 21	4:45 p. m.	[2]D. N. a. m.	3.26	9:16 p. m.	10:30 p. m.	.64	.08	.14	.30	.34	.38	.45	.53	.63	.67	.72	.98	1.28		
Pensacola, Fla.:[1]																				
Jan. 14	11:40 a. m.	7:12 p. m.	.92	5:58 p. m.	6:11 p. m.	.06	.33	.65	.80											
Apr. 6	7:40 a. m.	3:05 p. m.	1.69	11:01 a. m.	11:18 a. m.	.31	.27	.48	.57	.62										
Apr. 29	11:13 a. m.	3:07 p. m.	2.66	11:23 a. m.	12:04 p. m.	.04	.24	.37	.38	.45	.60	.76	.84	1.18	1.27					
Apr. 30	2:50 a. m.	5:10 a. m.	1.83	3:49 a. m.	4:35 a. m.	.29	.25	.47	.72	.98	1.05	1.22	1.30	1.35	1.44	1.48				
Aug. 1	5:25 p. m.	6:50 p. m.	1.03	6:24 p. m.	6:45 p. m.	.12	.15	.27	.55	.80	.91									
Aug. 10	2:20 p. m.	6:05 p. m.	1.91	2:29 p. m.	3:14 p. m.	.01	.18	.65	.91	1.00	1.18	1.34	1.50	1.61	1.67	1.70				
Aug. 11	6:10 a. m.	8:05 a. m.	3.02	6:16 a. m.	7:26 a. m.	.01	.20	.59	.83	.93	1.25	1.56	1.72	1.85	2.09	2.37	2.69	2.92		
Aug. 19	8:23 a. m.	9:25 a. m.	1.58	8:24 a. m.	9:05 a. m.	.01	.27	.53	.79	1.06	1.22	1.33	1.45	1.52	1.56					
Aug. 20	11:55 a. m.	1:25 p. m.	1.50	12:14 p. m.	1:15 p. m.	.03	.18	.40	.61	.76	.88	1.00	1.05	1.14	1.26	1.33	1.43	1.47		
Aug. 26	8:55 a. m.	12:20 p. m.	1.04	9:24 a. m.	9:46 a. m.	.07	.15	.41	.65	.77	.82									
Aug. 28	11:27 a. m.	3:40 p. m.	1.43	11:37 a. m.	11:55 a. m.	.01	.14	.45	.76	.83										
Anniston, Ala.:[1]																				
Apr. 20	12:34 p. m.	2:28 p. m.	.82	1:12 p. m.	1:26 p. m.	.01	.16	.42	.65											
June 2	6:50 p. m.	D. N. p. m.	1.42	7:34 p. m.	8:08 p. m.	.03	.28	.56	.78	.96	1.10	1.22	1.30							
July 30	6:02 p. m.	8:45 p. m.	1.83	6:07 p. m.	6:54 p. m.	.01	.12	.17	.22	.36	.63	.88	1.18	1.41	1.56	1.62			[3]	
Sept. 3	4:45 p. m.	5:58 p. m.	1.38	4:56 p. m.	5:22 p. m.	.03	.10	.42	.86	1.23	1.31	1.34								
Sept. 19	4:14 p. m.	5:45 p. m.	1.24	4:18 p. m.	4:48 p. m.	.01	.21	.55	.60	.82	1.01	1.12								
Birmingham, Ala.:[1]																				
June 12	5:12 p. m.	7:06 p. m.	1.49	5:12 p. m.	5:41 p. m.	0	.27	.71	1.00	1.20	1.36	1.44								
June 25	8:13 p. m.	D. N. p. m.	1.18	8:49 p. m.	9:09 p. m.	.01	.26	.59	.84	.96										
June 29	3:13 a. m.	5:42 a. m.	1.89	3:15 a. m.	3:55 a. m.	.01	.19	.42	.60	.77	1.00	1.33	1.66	1.79						
Sept. 3	6:19 a. m.	7:54 a. m.	1.04	7:05 a. m.	7:28 a. m.	.03	.21	.57	.68	.90	1.00									
Sept. 3	1:54 p. m.	6:06 p. m.	2.19	2:15 p. m.	2:40 p. m.	.01	.40	1.04	1.53	1.83	1.97									
Oct. 29	D. N. a. m.	[3]9:10 a. m.	5.79	10:49 a. m.	12:47 p. m.	.46	.09	.18	.22	.27	.30	.35	.56	.80	.92	1.02	1.35	1.75	2.04	2.24
Nov. 16	5:00 p. m.	6:10 p. m.	.92	5:44 p. m.	5:55 p. m.	.07	.34	.80	.83											
Mobile, Ala.:[1]																				
Apr. 6	6:11 a. m.	11:55 a. m.	2.94	8:05 a. m.	9:13 a. m.	.10	.07	.10	.25	.58	.87	1.15	1.24	1.37	1.65	1.85	2.15	2.34		
May 13	[4]D. N. p. m.	10:55 a. m.	2.22	5:37 a. m.	6:34 a. m.	.18	.13	.30	.51	.92	1.09	1.24	1.36	1.53	1.68	1.81	1.93			
Aug. 10	2:15 p. m.	7:15 p. m.	2.22	3:23 p. m.	4:30 p. m.	.24	.14	.33	.48	.54	.67	.91	1.22	1.43	1.57	1.65	1.75	1.85		
Aug. 20	1:11 p. m.	5:37 p. m.	3.31	1:15 p. m.	3:14 p. m.	.01	.07	.19	.41	.49	.62	.87	1.10	1.24	1.30	1.35	1.36	1.82	2.55	2.89
Aug. 26	6:15 a. m.	9:48 a. m.	1.37	6:24 a. m.	6:57 a. m.	.01	.21	.28	.31	.46	.77	1.04	1.16							
Oct. 26–27	7:10 p. m.	D. N. a. m.	3.79	9:05 p. m.	9:55 p. m.	.55	.06	.15	.23	.37	.61	.87	1.04	1.20	1.33	1.38				
				9:55 p. m.	10:45 p. m.	.....	1.44	1.58	1.69	1.77	1.82	1.85	1.88	1.93	1.95	1.98				
				10:45 p. m.	11:35 p. m.	.....	2.05	2.13	2.23	2.26	2.31	2.34	2.39	2.43	2.47	2.51				
				11:35 p. m.	12:09 a. m.	.....	2.61	2.69	2.71	2.78	2.85	2.99	3.07							
Montgomery, Ala.:[1]																				
Jan. 11	[4]D. N. p. m.	11:05 a. m.	2.67	7:52 a. m.	8:29 a. m.	.41	.32	.38	.55	.65	.70	.76	.82	.90						
Apr. 28	7:25 a. m.	11:48 a. m.	1.72	7:33 a. m.	8:05 a. m.	.01	.20	.39	.65	.78	.91	1.00	1.05							
July 25	5:37 p. m.	7:54 p. m.	.87	6:28 p. m.	6:54 p. m.	.05	.08	.14	.31	.67	.77	.80								
Aug. 31	1:35 p. m.	3:50 p. m.	1.69	2:12 p. m.	2:39 p. m.	.28	.09	.28	.40	.74	1.02	1.11								
Meridian, Miss.:[1]																				
Apr. 29	[4]7:10 p. m.	8:30 a. m.	2.63	1:33 a. m.	3:21 a. m.	.04	.12	.37	.63	.84	.95	.96	.97	.98	.99	1.02	1.22	1.42	1.67	1.96
June 2	6:55 p. m.	D. N. p. m.	2.66	6:59 p. m.	7:36 p. m.	.01	.23	.59	1.03	1.55	1.97	2.18	2.31	2.34						
Aug. 27	6:20 a. m.	12:12 p. m.	5.53	10:27 a. m.	12:04 p. m.	.52	.06	.12	.26	.36	.46	.54	.63	.72	.80	1.00	1.51	2.50	3.00	
Sept. 26	11:05 a. m.	2:15 p. m.	1.38	11:36 a. m.	12:26 p. m.	.04	.25	.64	.86	.87	.90	.95	1.04	1.11	1.16	1.27				
Oct. 11	1:40 p. m.	2:45 p. m.	1.11	1:46 p. m.	2:08 p. m.	.01	.42	.73	.91	1.04	1.07									
Vicksburg, Miss.:[1]																				
Jan. 5	6:35 p. m.	10:00 p. m.	1.00	7:48 p. m.	8:03 p. m.	.04	.36	.64	.74											
Apr. 28	D. N. p. m.	D. N. p. m.	1.24	10:52 p. m.	11:24 p. m.	.01	.28	.59	.75	.95	1.09	1.20	1.23							
June 5	4:28 p. m.	7:30 p. m.	1.55	4:59 p. m.	5:36 p. m.	.01	.15	.35	.58	.92	1.20	1.37	1.48	1.51						
Aug. 19	1:07 p. m.	D. N. p. m.	3.44	1:09 p. m.	2:16 p. m.	.01	.09	.17	.29	.65	1.01	1.54	2.02	2.31	2.59	2.85	3.11	3.27		
Oct. 17	2:01 p. m.	D. N. p. m.	4.57	4:27 p. m.	5:27 p. m.	.26	.09	.22	.49	.57	.78	1.01	1.11	1.28	1.30	1.34	1.61			
Oct. 17	2:01 p. m.	D. N. p. m.	4.57	7:26 p. m.	9:10 p. m.	2.07	.12	.19	.21	.27	.33	.53	.77	.98	1.21	1.28	1.40	2.00	2.43	2.47
Nov. 16	9:43 a. m.	12:50 p. m.	1.58	11:23 a. m.	12:05 p. m.	.12	.26	.50	.72	.85	.99	1.06	1.16	1.28	1.33					

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

Accumulated amounts of precipitation for each 5 minutes, for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes, or 0.80 in 1 hour, during 1918, at all stations furnished with self-registering gages—Continued.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Depths of precipitation (in inches) during periods of time indicated.												
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
EAST GULF STATES—continued.																				
New Orleans, La.:[1]																				
Apr. 1	5:15 p. m.	6:45 p. m.	1.93	5:47 p. m.	6:38 p. m.	0.05	0.07	0.33	0.59	0.99	1.21	1.37	1.54	1.63	1.72	1.84	1.88	.....	.....	.....
Apr. 25	6:00 a. m.	8:50 a. m.	2.06	6:28 a. m.	7:12 a. m.	.04	.08	.32	.49	.74	.87	1.20	1.38	1.54	1.60	.....	.....	.....	.....	.....
Aug. 19	12:24 p. m.	1:07 p. m.	1.09	12:31 p. m.	12:52 p. m.	.01	.21	.55	.87	1.03	1.06	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sept. 16	D. N. a. m.	6:05 a. m.	2.38	2:53 a. m.	4:05 a. m.	.36	.10	.15	.25	.35	.57	.80	1.00	1.11	1.25	1.40	1.75	1.92	.....	.....
Oct. 29	6:00 p. m.	D. N. p. m.	4.03	6:27 p. m.	7:58 p. m.	.08	.14	.30	.67	1.04	1.24	1.49	1.68	1.78	1.88	2.05	2.68	3.37	3.72	.....
WEST GULF STATES.																				
Shreveport, La.:[1]																				
Apr. 5	8:00 p. m.	[2] 2:15 a. m.	1.83	9:59 p. m.	10:44 p. m.	.14	.11	.23	.38	.48	.58	.64	.74	.86	.97	.....	.....	.....	.....	.....
June 1	12:20 p. m.	3:25 p. m.	1.64	12:26 p. m.	12:45 p. m.	.01	.29	.60	1.15	1.49	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Aug. 23	11:15 a. m.	11:55 a. m.	.73	11:23 a. m.	11:37 a. m.	.03	.31	.63	.68	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dec. 23	7:25 a. m.	12:10 p. m.	1.16	10:11 a. m.	10:39 a. m.	.52	.09	.18	.40	.50	.56	.59	.....	.....	.....	.....	.....	.....	.....	.....
Bentonville, Ark.:[1]																				
Aug. 23	2:30 p. m.	3:15 p. m.	.64	2:35 p. m.	3:00 p. m.	.01	.18	.41	.49	.54	.60	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sept. 19	1:05 a. m.	1:35 a. m.	.58	1:12 a. m.	1:23 a. m.	.01	.34	.51	.56	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sept. 25	8:35 a. m.	10:25 a. m.	1.47	8:38 a. m.	9:05 a. m.	.03	.23	.55	.75	.81	.87	.92	.....	.....	.....	.....	.....	.....	.....	.....
Oct. 8	6:05 a. m.	10:15 a. m.	2.05	6:08 a. m.	7:58 a. m.	.01	.11	.19	.27	.34	.41	.43	.44	.45	.45	.46	.78	1.36	1.74	1.96
Fort Smith, Ark.:[1]																				
May 20	12:57 p. m.	2:04 p. m.	.59	1:27 p. m.	1:47 p. m.	.01	.11	.22	.46	.53	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
June 1	2:46 a. m.	1:18 p. m.	2.28	4:06 a. m.	4:43 a. m.	.03	.14	.30	.46	.57	.59	.65	.76	.81	.....	.....	.....	.....	.....	.....
June 5	8:34 a. m.	12:36 p. m.	1.29	9:36 a. m.	10:04 a. m.	.17	.08	.12	.26	.43	.61	.68	.....	.....	.....	.....	.....	.....	.....	.....
Little Rock, Ark.:[1]																				
Jan. 5	5:00 p. m.	6:55 p. m.	.90	6:09 p. m.	6:33 p. m.	.19	.03	.25	.46	.59	.68	.....	.....	.....	.....	.....	.....	.....	.....	.....
Apr. 15	2:15 p. m.	[2] D. N. a. m.	1.38	10:17 p. m.	10:33 p. m.	.40	.23	.56	.84	.91	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
June 25	6:40 p. m.	9:10 p. m.	1.70	6:49 p. m.	7:33 p. m.	.01	.08	.25	.53	.85	1.13	1.36	1.42	1.50	1.65	.....	.....	.....	.....	.....
June 28	11:05 p. m.	[2] D. N. a. m.	1.48	11:13 p. m.	11:47 p. m.	.01	.14	.37	.69	.92	1.05	1.14	1.18	.....	.....	.....	.....	.....	.....	.....
Sept. 19 [3]	6:01 a. m.	11:15 a. m.	2.36	6:13 a. m.	6:56 a. m.	.05	.14	.35	.78	.97	1.07	1.22	1.36	1.43	1.48	.....	.....	.....	.....	.....
Corpus Christi, Tex.:[1]																				
Apr. 6	5:44 a. m.	9:40 a. m.	2.65	5:58 a. m.	7:35 a. m.	.03	.12	.14	.33	.54	.73	.80	.90	1.06	1.29	1.51	2.03	2.28	2.59	.....
May 4	7:24 a. m.	4:40 p. m.	1.59	10:40 a. m.	11:14 a. m.	.09	.07	.22	.41	.46	.63	.96	1.12	.....	.....	.....	.....	.....	.....	.....
June 16	[4] 11:37 p. m.	6:30 a. m.	1.19	1:16 a. m.	1:30 a. m.	.14	.19	.45	.53	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sept. 20	[4] D. N. p. m.	8:45 a. m.	2.83	3:29 a. m.	4:09 a. m.	.22	.31	.48	.70	.98	1.33	1.60	1.77	1.86	.....	.....	.....	.....	.....	.....
Oct. 11	9:04 a. m.	12:50 p. m.	1.93	10:21 a. m.	10:42 a. m.	.43	.23	.46	.76	1.03	1.08	.....	.....	.....	.....	.....	.....	.....	.....	.....
Oct. 12	3:20 a. m.	10:45 a. m.	2.25	7:19 a. m.	8:06 a. m.	.68	.11	.27	.40	.58	.81	.97	1.08	1.18	1.26	1.31	.....	.....	.....	.....
Dallas, Tex.:[1]																				
Apr. 5	12:36 a. m.	4:50 a. m.	1.97	2:09 a. m.	3:11 a. m.	.04	.16	.17	.22	.30	.46	.69	.82	.96	1.13	1.57	1.70	1.75	.....	.....
May 17	2:25 p. m.	9:32 p. m.	2.09	2:38 p. m.	3:42 p. m.	.04	.11	.23	.65	.85	.96	.99	1.05	1.20	1.29	1.36	1.45	1.63	.....	.....
June 27	4:01 p. m.	5:30 p. m.	1.25	4:23 p. m.	5:01 p. m.	.04	.19	.58	.83	.97	.99	1.07	1.16	1.20	.....	.....	.....	.....	.....	.....
Aug. 24	3:01 p. m.	8:34 p. m.	2.41	3:39 p. m.	3:58 p. m.	.01	.22	.56	.77	.98	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sept. 25	9:36 p. m.	11:27 p. m.	1.07	9:45 p. m.	10:05 p. m.	.01	.38	.64	.90	1.02	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Oct. 26	8:04 a. m.	6:09 p. m.	2.66	9:37 a. m.	11:14 a. m.	.06	.10	.12	.22	.35	.54	.68	.74	.84	1.11	1.33	1.46	1.90	2.12	.....
Fort Worth, Tex.:[1]																				
Apr. 13	2:21 a. m.	3:51 p. m.	2.18	10:27 a. m.	11:35 a. m.	.56	.24	.38	.52	.69	.78	.84	.90	.94	1.02	1.07	1.22	1.39	.....	.....
June 8	4:15 p. m.	6:21 p. m.	1.18	4:25 p. m.	5:04 p. m.	.02	.12	.23	.44	.65	.84	.95	1.01	1.08	.....	.....	.....	.....	.....	.....
Nov. 7	9:15 a. m.	[5] 5:44 a. m.	3.79	1:23 p. m.	1:57 p. m.	.48	.10	.21	.39	.52	.60	.66	.73	.....	.....	.....	.....	.....	.....	.....
Galveston, Tex.:[1]																				
Apr. 24	4:38 p. m.	6:35 p. m.	2.21	5:46 p. m.	6:19 p. m.	.03	.13	.34	.88	1.42	1.70	1.98	2.13	.....	.....	.....	.....	.....	.....	.....
June 10 [3]	3:26 p. m.	4:40 p. m.	1.84	3:40 p. m.	4:20 p. m.	.02	.07	.27	.53	1.05	1.25	1.50	1.62	1.71	.....	.....	.....	.....	.....	.....
July 2	2:25 p. m.	8:30 p. m.	1.93	2:49 p. m.	3:22 p. m.	.02	.13	.38	.61	.79	1.05	1.32	1.39	.....	.....	.....	.....	.....	.....	.....
Aug. 23 [3]	6:56 a. m.	10:50 a. m.	1.76	8:01 a. m.	8:50 a. m.	.03	.11	.26	.40	.57	.75	.94	1.17	1.37	1.53	1.64	.....	.....	.....	.....
Nov. 21 [3]	D. N. a. m.	D. N. a. m.	1.12	3:08 a. m.	3:46 a. m.	.01	.06	.19	.40	.55	.70	.82	1.03	1.09	.....	.....	.....	.....	.....	.....
Dec. 23 [3]	7:25 a. m.	10:43 a. m.	1.53	9:19 a. m.	10:32 a. m.	.07	.12	.32	.50	.68	.70	.72	.75	.84	.95	1.08	1.21	1.45	.....	.....
Groesbeck, Tex.:[1]																				
Sept. 19	2:44 p. m.	D. N. p. m.	2.79	2:59 p. m.	3:52 p. m.	.02	.09	.16	.21	.36	.53	.74	1.03	1.26	1.57	1.86	1.99	.....	.....	.....
				6:27 a. m.	7:17 a. m.	.43	.06	.12	.22	.33	.50	.70	.82	.90	.99	1.07	.....	.....	.....	.....
Nov. 8	D. N a. m.	12:55 p. m.	3.51	7:17 a. m.	8:07 a. m.	.....	1.15	1.26	1.39	1.50	1.60	1.68	1.77	1.87	1.96	2.01	.....	.....	.....	.....
				8:07 a. m.	8:47 a. m.	.....	2.08	2.13	2.19	2.25	2.31	2.38	2.47	2.53	.....	.....	.....	.....	.....	.....
Houston, Tex.:[1]																				
Mar. 22	9:40 a. m.	4:05 p. m.	2.01	1:13 p. m.	1:52 p. m.	.01	.19	.52	.66	.71	.79	1.17	1.50	1.58	.....	.....	.....	.....	.....	.....
Apr. 5	8:55 p. m.	[2] D. N. a. m.	1.36	9:06 p. m.	9:47 p. m.	.01	.20	.41	.56	.66	.82	.92	.99	1.05	1.09	.....	.....	.....	.....	.....
June 3	11:56 a. m.	1:33 p. m.	1.43	12:14 p. m.	12:46 p. m.	.01	.14	.48	.69	.82	1.01	1.30	1.40	.....	.....	.....	.....	.....	.....	.....
				1:54 p. m.	2:44 p. m.	.03	.15	.47	.89	1.03	1.12	1.22	1.47	1.77	1.96	2.07	.....	.....	.....	.....
July 2	1:38 p. m.	6:40 p. m.	4.36	2:44 p. m.	3:34 p. m.	.....	2.16	2.26	2.49	2.73	2.78	3.00	3.21	3.40	3.56	3.66	.....	.....	.....	.....
				3:34 p. m.	4:04 p. m.	.....	3.76	3.86	3.93	4.00	4.06	4.13	.....	.....	.....	.....	.....	.....	.....	.....
Sept. 19	8:40 p. m.	[2] 7:30 a. m.	1.80	11:13 p. m.	11:51 p. m.	.19	.10	.27	.46	.74	.90	.96	1.01	1.05	.....	.....	.....	.....	.....	.....
Oct. 7	12:18 p. m.	9:15 p. m.	4.92	1:11 p. m.	2:20 p. m.	.04	.14	.23	.27	.35	.46	.70	.91	1.13	1.44	1.81	2.78	3.48	.....	.....
Palestine, Tex.:[1]																				
Apr. 15	3:05 a. m.	5:20 a. m.	1.03	3:44 a. m.	4:10 a. m.	.03	.15	.35	.55	.68	.83	.88	.....	.....	.....	.....	.....	.....	.....	.....
Apr. 27	11:20 p. m.	[2] 12:40 a. m.	1.10	11:22 p. m.	11:51 p. m.	.01	.38	.79	.84	.88	.99	1.03	.....	.....	.....	.....	.....	.....	.....	.....
Apr. 28	9:02 p. m.	[2] 4:25 a. m.	2.22	9:04 p. m.	9:16 p. m.	.01	.42	.71	.74	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nov. 20	2:45 p m	8:50 p. m.	1.12	7:55 p. m.	8:13 p. m.	.37	.13	.33	.57	.70	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Port Arthur, Tex.:[1]																				
Apr. 5	10:55 p. m.	[2] 2:40 a. m.	1.30	11:05 p. m.	11:30 p. m.	.01	.33	.47	.66	.81	.86	.....	.....	.....	.....	.....	.....	.....	.....	.....
Apr. 17	1:05 a. m.	5:20 a. m.	1.44	1:21 a. m.	1:52 a. m.	.02	.06	.23	.27	.39	.54	1.00	1.03	.....	.....	.....	.....	.....	.....	.....
Apr. 29	9:00 a. m.	11:00 p. m.	1.41	9:54 a. m.	10:13 a. m.	.07	.12	.46	.83	.91	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
July 21	12:02 p. m.	2:15 p. m.	3.28	12:10 p. m.	1:56 p. m.	.01	.37	.60	.93	1.21	1.31	1.56	1.81	2.06	2.18	2.34	2.47	2.59	3.13	3.27
Aug. 21	12:29 p. m.	2:40 p. m.	1.30	12:38 p. m.	1:13 p. m.	.02	.16	.47	.81	.94	1.03	1.13	1.23	.....	.....	.....	.....	.....	.....	.....
Sept. 5	11:47 a. m.	12:55 p. m.	1.01	11:53 a. m.	12:17 p. m.	.01	.16	.31	.63	.88	.96	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sept. 26	9:00 a. m.	11:50 a. m.	1.62	9:09 a. m.	9:53 a. m.	.02	.14	.26	.66	.98	1.12	1.23	1.27	1.34	1.41	.....	.....	.....	.....	.....
Oct. 11	4:25 p. m.	7:50 p. m.	1.13	5:02 p. m.	5:22 p. m.	.02	.16	.50	.92	1.06	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Oct. 29	8:50 a. m.	1:50 p. m.	3.06	9:47 a. m.	11:07 a. m.	.48	.30	.42	.43	.67	.86	1.03	1.23	1.54	1.69	1.87	2.09	2.39	.....	.....
Nov. 15	11:00 a. m.	11:35 p. m.	5.67	7:18 p. m.	9:16 p. m.	1.26	.28	.34	.50	.83	1.02	1.14	1.29	1.39	1.62	1.83	2.34	2.99	3.55	4.07
Dec. 23	6:40 a. m.	12:05 p. m.	1.96	11:09 a. m.	11:35 a. m.	.26	.23	.48	1.01	1.48	1.56	1.61	.....	.....	.....	.....	.....	.....	.....	.....

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

Accumulated amounts of precipitation for each 5 minutes, for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes, or 0.80 in 1 hour, during 1918, at all stations furnished with self-registering gages—Continued.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Depths of precipitation (in inches) during periods of time indicated.													
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
WEST GULF STATES—continued.																				
San Antonio, Tex.:[1]																				
Apr. 5	4:03 p. m.	7:16 p. m.	2.33	4:19 p. m.	5:18 p. m.	0.04	0.06	0.21	0.28	0.45	0.59	0.62	0.64	0.70	1.00	1.46	2.11	.....	.....	.....
Apr. 29	4:10 a. m.	12:40 p. m.	1.55	9:41 a. m.	9:56 a. m.	.57	.21	.46	.59	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
May 4	6:01 p. m.	[2] 6:28 a. m.	2.19	7:00 p. m.	7:40 p. m.	.05	.18	.45	.69	.89	1.03	1.09	1.16	1.23	.....	.....	.....	.....	.....	.....
Aug. 24	5:15 p. m.	7:39 p. m.	2.58	6:08 p. m.	6:52 p. m.	.37	.14	.37	.52	.83	1.23	1.49	1.67	1.79	1.89	.....	.....	.....	.....	.....
Dec. 23	12:42 a. m.	4:22 a. m.	.77	3:45 a. m.	4:04 a. m.	.12	.08	.23	.52	.64	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Taylor, Tex.:[1]																				
Apr. 5	3:27 p. m.	8:00 p. m.	1.11	5:27 p. m.	5:54 p. m.	.09	.22	.42	.61	.72	.85	.88	.....	.....	.....	.....	.....	.....	.....	.....
Oct. 26	10:35 a. m.	1:30 p. m.	1.06	10:57 a. m.	11:27 a. m.	.01	.11	.28	.55	.75	.86	.98	.....	.....	.....	.....	.....	.....	.....	.....
Nov. 8	[3] 9:25 p. m.	1:20 p. m.	1.67	7:33 a. m.	7:41 a. m.	.03	.41	.55	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
OHIO VALLEY AND TENNESSEE.																				
Chattanooga, Tenn.:																				
Feb. 20	[3] 11:45 p. m.	3:38 a. m.	.57	12:47 a. m.	12:58 a. m.	.04	.30	.37	.38	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
June 6	4:38 p. m.	7:03 p. m.	.71	4:54 p. m.	5:09 p. m.	T.	.21	.49	.57	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
July 26	4:38 p. m.	9:20 p. m.	.46	6:45 p. m.	6:53 p. m.	.10	.26	.31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
July 30	6:42 a. m.	1:49 p. m.	2.24	7:31 a. m.	8:36 a. m.	.11	.05	.11	.21	.38	.57	.79	1.00	1.27	1.51	1.64	1.74	1.85	.....	.....
Knoxville, Tenn.:																				
Apr. 20	3:10 p. m.	D.N. p. m.	1.17	5:14 p. m.	5:27 p. m.	.09	.22	.54	.63	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
May 13	3:10 a. m.	1:55 p. m.	2.95	8:14 a. m.	8:35 a. m.	1.50	.17	.30	.38	.51	.55	.....	.....	.....	.....	.....	.....	.....	.....	.....
May 21	4:10 p. m.	5:20 p. m.	.83	4:11 p. m.	4:39 p. m.	T.	.25	.44	.57	.68	.75	.80	.....	.....	.....	.....	.....	.....	.....	.....
June 21	[3] 2:50 p. m.	12:45 p. m.	2.52	5:31 a. m.	6:51 a. m.	1.07	.17	.26	.31	.38	.47	.52	.67	.73	.77	.83	.92	1.17	.....	.....
June 30	3:35 p. m.	4:45 p. m.	.48	3:48 p. m.	4:05 p. m.	.02	.08	.17	.39	.44	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Aug. 19	2:05 p. m.	2:45 p. m.	.72	2:13 p. m.	2:28 p. m.	.03	.15	.32	.66	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Aug. 31	6:52 a. m.	7:55 a. m.	.74	7:07 a. m.	7:34 a. m.	.04	.19	.39	.50	.54	.62	.68	.....	.....	.....	.....	.....	.....	.....	.....
Memphis, Tenn.:																				
Feb. 19	10:55 a. m.	5:55 p. m.	1.64	3:43 p. m.	3:59 p. m.	.28	.32	.34	.52	.60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Apr. 19	7:15 p. m.	[3] 6:40 a. m.	1.93	10:40 p. m.	10:55 p. m.	.13	.23	.70	.92	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
May 12	12:45 p. m.	2:50 p. m.	.47	2:01 p. m.	2:20 p. m.	.03	.09	.20	.29	.43	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
June 1	5:40 p. m.	D.N. p. m.	.95	6:47 p. m.	7:06 p. m.	.13	.17	.39	.50	.58	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
June 5	4:45 p. m.	D.N. p. m.	2.53	5:55 p. m.	7:06 p. m.	.19	.18	.41	.69	.95	1.05	1.06	1.06	1.06	1.08	1.22	1.78	2.33	.....	.....
July 27–28	D.N. p. m.	D.N. a. m.	.67	11:45 p. m.	12:10 a. m.	.02	.08	.29	.41	.56	.64	.....	.....	.....	.....	.....	.....	.....	.....	.....
Aug. 19	8:30 p. m.	[3] D.N. a. m.	.85	8:37 p. m.	8:55 p. m.	.02	.27	.47	.53	.59	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sept. 4	6:20 p. m.	D.N. p. m.	.80	9:41 p. m.	9:58 p. m.	.03	.18	.40	.70	.76	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Oct. 18	9:46 a. m.	11:23 a. m.	.69	10:04 a. m.	10:33 a. m.	.11	.14	.22	.27	.36	.44	.51	.....	.....	.....	.....	.....	.....	.....	.....
Nashville, Tenn.:																				
Mar. 9	4:46 p. m.	5:35 p. m.	.47	4:49 p. m.	4:59 p. m.	.01	.23	.40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mar. 23	9:00 p. m.	[2] D.N. a. m.	.89	9:20 p. m.	9:35 p. m.	.02	.07	.41	.50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
May 7–8	7:00 p. m.	D.N. a. m.	.65	11:47 p. m.	12:01 a. m.	.14	.15	.34	.39	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
May 12	3:40 p. m.	4:35 p. m.	.39	4:17 p. m.	4:26 p. m.	.03	.08	.36	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
May 18	11:22 a. m.	12:35 p. m.	.65	11:24 a. m.	11:48 a. m.	.01	.10	.26	.41	.53	.57	.....	.....	.....	.....	.....	.....	.....	.....	.....
June 2	10:45 a. m.	11:20 a. m.	.76	10:51 a. m.	11:12 a. m.	.01	.32	.49	.65	.71	.75	.....	.....	.....	.....	.....	.....	.....	.....	.....
July 29	3:55 p. m.	6:40 p. m.	1.13	4:00 p. m.	4:35 p. m.	.01	.25	.53	.66	.77	.82	.91	.97	.....	.....	.....	.....	.....	.....	.....
Aug. 18	2:15 p. m.	3:35 p. m.	.87	2:21 p. m.	2:50 p. m.	.01	.12	.26	.45	.60	.71	.76	.....	.....	.....	.....	.....	.....	.....	.....
Sept. 4	11:10 p. m.	[3] 10:50 a. m.	1.38	11:16 p. m.	11:22 p. m.	.01	.27	.30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lexington, Ky.:																				
June 25	[3] 8:45 p. m.	5:30 a. m.	1.87	4:03 a. m.	4:25 a. m.	.67	.11	.20	.35	.67	.73	.....	.....	.....	.....	.....	.....	.....	.....	.....
Aug. 14	5:50 p. m.	D.N. p. m.	.61	7:12 p. m.	7:27 p. m.	.14	.10	.24	.44	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Aug. 27	2:35 p. m.	3:25 p. m.	.62	2:41 p. m.	3:00 p. m.	.01	.14	.27	.47	.57	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Oct. 28	D.N. a. m.	D.N. a. m.	.90	3:48 a. m.	3:58 a. m.	.50	.20	.31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Louisville Ky.:																				
May 9	5:30 a. m.	9:10 a. m.	.49	8:12 a. m.	8:31 a. m.	.04	.11	.26	.37	.42	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
June 25	[3] D.N. p. m.	D.N. a. m.	1.88	1:14 a. m.	2:07 a. m.	.26	.17	.25	.29	.38	.51	.55	.58	.65	.91	1.06	1.17	.....	.....	.....
June 30 [4]	11:45 a. m.	12:09 p. m.	.80	11:55 a. m.	12:06 p. m.	.02	.22	.76	.78	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
July 29	1:35 p. m.	2:40 p. m.	1.81	1:42 p. m.	2:16 p. m.	.02	.27	.54	.82	1.12	1.43	1.71	1.76	.....	.....	.....	.....	.....	.....	.....
Aug. 26	D.N. a. m.	D.N. a. m.	.76	1:00 a. m.	1:10 a. m.	.03	.28	.45	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sept. 12	D.N. a. m.	5:00 a. m.	.95	4:21 a. m.	4:34 a. m.	.49	.22	.36	.42	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Evansville, Ind.:																				
Apr. 2–3	10:45 p. m.	1:00 a. m.	1.57	11:15 p. m.	12:32 a. m.	.12	.20	.34	.36	.36	.37	.37	.39	.51	.82	.97	1.02	1.33	.....	.....
May 12	9:28 a. m.	4:35 p. m.	.83	12:41 p. m.	1:00 p. m.	.26	.10	.17	.26	.40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Aug. 17	3:03 p. m.	4:30 p. m.	.67	3:23 p. m.	3:37 p. m.	.01	.14	.37	.57	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Indianapolis, Ind.:																				
Apr. 1 [4]	12:52 p. m.	1:25 p. m.	.52	1:09 p. m.	1:19 p. m.	.01	.18	.51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Apr. 2	6:24 p. m.	11:50 p. m.	1.83	6:38 p. m.	6:52 p. m.	.05	.28	.37	.43	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
June 27	8:18 p. m.	9:24 p. m.	.49	8:41 p. m.	8:56 p. m.	.01	.22	.37	.48	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
June 28	[3] 10:35 p. m.	5:00 a. m.	1.06	12:27 a. m.	12:57 a. m.	.01	.10	.16	.31	.42	.50	.57	.....	.....	.....	.....	.....	.....	.....	.....
July 26	5:14 p. m.	[2] 2:30 a. m.	1.59	6:04 p. m.	6:29 p. m.	.04	.09	.24	.37	.51	.56	.....	.....	.....	.....	.....	.....	.....	.....	.....
Aug. 28	9:38 p. m.	[2] 1:30 a. m.	.52	9:49 p. m.	10:02 p. m.	.03	.24	.33	.38	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Aug. 30	9:09 a. m.	2:27 p. m.	.66	10:00 a. m.	10:09 a. m.	.07	.21	.35	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sept. 11	9:25 p. m.	[2] D.N. a. m.	1.50	9:42 p. m.	10:27 p. m.	.01	.07	.13	.33	.56	.64	.66	.74	.80	.85	.....	.....	.....	.....	.....
Oct. 27	6:08 p. m.	7:21 p. m.	.56	6:21 p. m.	6:27 p. m.	.03	.25	.28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Terre Haute, Ind.:																				
Apr. 2	6:20 p. m.	[2] 7:10 a. m.	1.35	7:15 p. m.	7:49 p. m.	.04	.08	.21	.25	.29	.33	.52	.70	.....	.....	.....	.....	.....	.....	.....
June 28	D.N. a. m.	6:56 a. m.	.68	1:52 a. m.	2:17 a. m.	.13	.14	.18	.34	.40	.47	.....	.....	.....	.....	.....	.....	.....	.....	.....
July 28	3:55 p. m.	4:25 p. m.	.40	4:01 p. m.	4:16 p. m.	.01	.12	.17	.36	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Oct. 5	6:30 p. m.	7:25 p. m.	.35	7:01 p. m.	7:06 p. m.	.06	.25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Oct. 27	2:00 p. m.	4:37 p. m.	.62	3:07 p. m.	3:14 p. m.	.01	.30	.36	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cincinnati, Ohio:																				
Apr. 2	8:55 p. m.	[2] 2:45 a. m.	1.16	9:46 p. m.	9:57 p. m.	.27	.28	.57	.60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Apr. 17	D.N. a. m.	5:32 a. m.	.48	5:14 a. m.	5:24 a. m.	.13	.18	.34	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
June 30	1:18 p. m.	1:50 p. m.	.60	1:34 p. m.	1:44 p. m.	.04	.31	.56	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
July 28	5:45 p. m.	6:31 p. m.	.87	5:45 p. m.	6:15 p. m.	0	.20	.31	.43	.60	.73	.80	.....	.....	.....	.....	.....	.....	.....	.....
Aug. 9	1:10 a. m.	1:40 a. m.	.30	1:11 a. m.	1:16 a. m.	.01	.25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Aug. 27	5:06 p. m.	[2] 9:55 a. m.	1.39	7:11 p. m.	7:30 p. m.	.17	.06	.20	.36	.49	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Aug. 30	1:58 p. m.	5:32 p. m.	1.33	2:49 p. m.	3:09 p. m.	.19	.11	.47	.60	.69	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

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

Accumulated amounts of precipitation for each 5 minutes, for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes, or 0.80 in 1 hour, during 1918, at all stations furnished with self-registering gages—Continued.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Depths 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 29	4:22 p. m.	5:30 p. m.	0.43	4:35 p. m.	4:45 p. m.	0.02	0.23	0.31												
July 23	6:03 p. m.	7:50 p. m.	.94	6:21 p. m.	6:56 p. m.	.01	.13	.34	0.48	0.60	0.71	0.85	0.92							
Aug. 12	12:39 p. m.	1:50 p. m.	.91	12:45 p. m.	1:42 p. m.	.02	.13	.30	.30	.34	.38	.49	.55	0.64	0.67	0.77	0.89			
Dayton, Ohio:																				
Feb. 25	9:40 a. m.	2:00 p. m.	.97	1:18 p. m.	1:36 p. m.	.43	.06	.12	.33	.46										
May 12	11:38 a. m.	6:08 p. m.	1.79	12:39 p. m.	12:52 p. m.	.24	.19	.34	.41											
July 22	2:46 p. m.	4:15 p. m.	1.05	2:55 p. m.	3:40 p. m.	.05	.15	.39	.50	.61	.64	.68	.73	.82	.91					
July 23	8:20 p. m.	[1] D.N.a.m.	.72	8:28 p. m.	8:48 p. m.	T.	.12	.26	.36	.42										
Sept. 12	D.N.a.m.	D.N.a.m.	1.28	12:51 a.m.	1:40 a.m.	.06	.10	.20	.27	.32	.43	.52	.57	.67	.74	.79				
Elkins, W. Va.:																				
May 7	6:40 p. m.	[1] D.N.a.m.	1.33	10:08 p. m.	10:46 p. m.	.07	.15	.34	.44	.52	.65	.81	.88	.93						
May 25	3:30 a. m.	7:15 a. m.	.91	5:45 a. m.	5:56 a. m.	.35	.19	.30	.32											
June 17	[2] D.N.p.m.	7:20 a. m.	1.52	3:52 a. m.	4:43 a. m.	.48	.10	.21	.31	.41	.49	.62	.68	.70	.72	.81	.86			
Aug. 12	4:26 p. m.	D.N.p.m.	1.23	4:43 p. m.	5:33 p. m.	.01	.28	.31	.32	.35	.38	.60	.76	.86	.96	1.01				
Aug. 14	5:29 p. m.	D.N.p.m.	1.16	5:50 p. m.	6:07 p. m.	.03	.20	.27	.42	.48										
Aug. 14	5:29 p. m.	D.N.p.m.	1.16	8:04 p. m.	8:23 p. m.	.67	.11	.24	.41	.47										
Parkersburg, W.Va.:																				
May 25	9:50 a. m.	11:54 a.m.	.62	10:43 a. m.	11:03 a. m.	.13	.10	.25	.35	.41										
June 6	7:12 p. m.	[1] 1:16 a.m.	1.90	8:33 p. m.	8:43 p. m.	.26	.18	.34												
June 7	[2] 7:12 p. m.	1:16 a. m.	1.90	12:07 a. m.	12:41 a. m.	.80	.15	.34	.59	.73	.91	1.02	1.07							
Aug. 7	6:30 p. m.	8:50 p. m.	.52	6:30 p. m.	6:48 p. m.	0	.07	.21	.37	.42										
Aug. 9	7:38 p. m.	9:25 p. m.	.50	7:38 p. m.	7:55 p. m.	0	.11	.20	.37	.41										
Aug. 10	1:28 p. m.	1:54 p. m.	.59	1:28 p. m.	1:39 p. m.	0	.24	.55	.58											
Aug. 26	1:42 p. m.	3:18 p. m.	1.07	1:42 p. m.	2:18 p. m.	0	.20	.57	.57	.57	.63	.82	.95	.99						
Pittsburgh, Pa.:																				
July 29	7:45 p. m.	[1] D.N.a.m.	1.25	8:33 p. m.	8:55 p. m.	.28	.07	.20	.30	.40	.43									
Aug. 10	3:25 p. m.	5:15 p. m.	.67	3:35 p. m.	3:53 p. m.	.02	.09	.24	.39	.48										
Aug. 30	10:15 a. m.	12:18 p. m.	.93	10:57 p. m.	11:19 a. m.	.05	.15	.38	.58	.72	.77									
LOWER LAKE REGION.																				
Buffalo, N. Y.:																				
Aug. 8	9:30 p. m.	[1] 5:15 a. m.	1.28	9:47 p. m.	10:11 p. m.	.02	.10	.24	.40	.45	.52									
Aug. 29	D.N.a.m.	7:10 a. m.	.54	4:13 a. m.	4:23 a. m.	.01	.23	.32												
Canton, N. Y.:																				
Aug. 7	8:32 p. m.	9:20 p. m.	.58	8:34 p. m.	8:57 p. m.	.01	.13	.25	.36	.49	.56									
Aug. 8–9	D.N.p.m.	D.N.a.m.	.81	11:59 p. m.	12:13 a. m.	.28	.13	.40	.52											
Oswego, N. Y.:																				
May 20	1:16 p. m.	2:25 p. m.	.76	1:22 p. m.	1:40 p. m.	.01	.19	.35	.54	.65										
May 22	3:48 p. m.	5:58 p. m.	.82	5:29 p. m.	5:46 p. m.	.12	.10	.16	.61	.69										
June 11 [3]	9:35 p. m.	11:50 p. m.	.86	11:28 p. m.	11:33 p. m.	.52	.25													
Oct. 6	1:55 a. m.	4:40 a. m.	.77	3:09 a. m.	3:21 a. m.	.08	.19	.40	.43											
Rochester, N. Y.:																				
June 11	10:40 p. m.	[1] D.N.a.m.	.73	11:07 p. m.	11:33 p. m.	.04	.23	.35	.43	.56	.62	.65								
July 29	7:15 p. m.	11:50 p. m.	.71	7:39 p. m.	7:59 p. m.	.05	.27	.39	.45	.50										
Syracuse, N. Y.:																				
May 20	3:25 p. m.	6:15 p. m.	.44	3:27 p. m.	3:37 p. m.	T.	.19	.31												
May 25	3:48 p. m.	7:30 p. m.	.62	5:21 p. m.	5:29 p. m.	.11	.20	.32												
June 12	[2] D.N.p.m.	D.N.a.m.	.90	12:32 a. m.	12:58 a. m.	.06	.24	.41	.48	.67	.78	.79								
June 29	1:12 p. m.	2:10 p. m.	.59	1:24 p. m.	1:39 p. m.	.01	.15	.33	.46											
Erie, Pa.:																				
Mar. 9	8:50 a. m.	[1] D.N.a.m.	1.50	9:45 p. m.	9:55 p. m.	.68	.21	.39												
June 6	8:20 p. m.	D.N.a.m.	.75	9:32 p. m.	10:02 p. m.	.07	.11	.18	.25	.26	.44	.53								
June 11	10:55 p. m.	D.N.p.m.	1.06	11:20 p. m.	11:43 p. m.	.18	.11	.18	.40	.77	.87									
June 21	3:30 p. m.	5:50 p. m.	.91	3:39 p. m.	3:54 p. m.	.03	.18	.31	.39											
July 28	5:05 p. m.	6:32 p. m.	.66	5:07 p. m.	5:27 p. m.	.01	.18	.31	.53	.59										
July 29	3:49 p. m.	10:40 p. m.	3.19	3:57 p. m.	5:23 p. m.	.01	.17	.42	.63	.87	1.25	1.55	1.72	1.78	1.83	1.97	2.07	2.25	2.51	
Cleveland, Ohio:																				
May 22	2:25 p. m.	2:59 p. m.	.88	2:30 p. m.	2:59 p. m.	.01	.28	.62	.69	.75	.81	.87								
Aug. 8	5:30 a. m.	7:15 a. m.	.77	6:23 a. m.	6:38 a. m.	.32	.23	.28	.36											
Sept. 3	[2] 9:32 p. m.	2:30 a. m.	1.18	12:24 a. m.	12:40 a. m.	.60	.09	.25	.48	.53										
Sandusky, Ohio:																				
May 24	6:35 p. m.	9:15 p. m.	.48	8:24 p. m.	8:34 p. m.	.03	.21	.30												
May 25	8:30 p. m.	D.N.p.m.	1.36	8:44 p. m.	10:00 p. m.	.02	.15	.16	.18	.28	.52	.74	.87	.93	.93	.95	1.06	1.33		
May 30	1:05 p. m.	4:15 p. m.	.62	2:36 p. m.	2:55 p. m.	.03	.10	.28	.43	.56										
June 28	D.N.a.m.	D.N.a.m.	.69	2:32 a. m.	2:47 a. m.	.02	.28	.46	.59											
July 26	11:15 a. m.	1:15 p. m.	.95	12:03 p. m.	12:31 p. m.	.02	.35	.61	.69	.75	.87	.92								
Aug. 11	3:30 p. m.	5:00 p. m.	.60	4:07 p. m.	4:16 p. m.	.18	.19	.39												
Toledo, Ohio:																				
Mar. 13	10:57 a. m.	8:30 p. m.	1.20	3:31 p. m.	3:44 p. m.	.65	.08	.36	.41											
Aug. 2	4:22 p. m.	4:53 p. m.	.53	4:37 p. m.	4:47 p. m.	.06	.28	.44												
Aug. 21	5:54 p. m.	7:00 p. m.	1.01	6:13 p. m.	6:49 p. m.	.07	.10	.24	.41	.54	.64	.79	.89	.93						
Sept. 4	9:27 a. m.	[1] D.N.a.m.	5.96	4:24 p. m.	5:14 p. m.	1.41	.09	.21	.26	.30	.34	.36	.45	.53	.70	.80				
				5:14 p. m.	6:04 p. m.		.88	1.06	1.12	1.21	1.26	1.31	1.47	1.55	1.62					
				6:04 p. m.	6:54 p. m.		1.71	1.91	2.05	2.16	2.24	2.34	2.46	2.54	2.56	2.59				
				6:54 p. m.	7:11 p. m.		2.67	2.78	2.85	2.89										
Sept. 4	9:27 a. m.	[1] D.N.a.m.	5.96	10:20 p. m.	10:45 p. m.	5.36	.09	.14	.19	.37	.46									
Detroit, Mich.:																				
Mar. 13	3:45 p. m.	[1] 8:05 a. m.	2.00	10:38 p. m.	11:02 p. m.	.81	.13	.28	.37	.48	.54									
Apr. 16	8:40 p. m.	9:40 p. m.	.58	9:08 p. m.	9:23 p. m.	.09	.27	.42	.48											
June 6	D.N.a.m.	D.N.a.m.	.42	3:29 a. m.	3:45 a. m.	.01	.13	.29	.35	.38										
June 6	5:01 p. m.	8:05 p. m.	.62	5:13 p. m.	5:19 p. m.	.01	.34	.35												
June 27	6:55 p. m.	8:40 p. m.	1.17	7:05 p. m.	8:02 p. m.	.01	.15	.30	.32	.44	.72	.75	.76	.77	.81	.99	1.15			

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

Accumulated amounts of precipitation for each 5 minutes, for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes, or 0.80 in 1 hour, during 1918, at all stations furnished with self-registering gages—Continued.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Depths 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.																				
Alpena, Mich.:																				
May 26	4:30 p. m.	6:05 p. m.	0.52	4:43 p. m.	4:51 p. m.	0.03	0.20	0.30	....	....	....	....	....	....	....	....	....	....	....	....
May 31	6:25 a. m.	9:40 a. m.	.69	8:56 a. m.	9:09 a. m.	.13	.12	.34	0.51	....	....	....	....	....	....	....	....	....	....	....
May 31	12:20 p. m.	2:02 p. m.	.89	1:36 p. m.	1:59 p. m.	.11	.10	.27	.51	0.63	0.78	....	....	....	....	....	....	....	....	....
June 6	1:45 p. m.	3:00 p. m.	.49	2:10 p. m.	2:28 p. m.	.02	.08	.24	.37	.46	....	....	....	....	....	....	....	....	....	....
July 2	3:25 p. m.	3:55 p. m.	.47	3:35 p. m.	3:50 p. m.	.01	.23	.41	.46	....	....	....	....	....	....	....	....	....	....	....
Aug. 22	8:00 a. m.	11:15 a. m.	1.00	9:49 a. m.	10:12 a. m.	.11	.17	.42	.57	.70	.74	....	....	....	....	....	....	....	....	....
Escanaba, Mich.:																				
July 22	6:00 p. m.	6:45 p. m.	.36	6:28 p. m.	6:35 p. m.	.03	.25	.32	....	....	....	....	....	....	....	....	....	....	....	....
Grand Haven, Mich.:																				
June 30	D. N. a. m.	1:55 p. m.	1.49	3:45 a. m.	4:10 a. m.	.38	.09	.11	.26	.46	.53	....	....	....	....	....	....	....	....	....
July 24	9:20 p. m.	[1] D. N. a. m.	1.34	10:21 p. m.	10:38 p. m.	.37	.16	.39	.54	.59	....	....	....	....	....	....	....	....	....	....
Aug. 13	9:15 p. m.	D. N. p. m.	.32	9:30 p. m.	9:36 p. m.	.02	.27	.30	....	....	....	....	....	....	....	....	....	....	....	....
Grand Rapids, Mich.:																				
May 19	7:10 p. m.	11:45 p. m.	1.18	7:15 p. m.	8:03 p. m.	.01	.10	.19	.28	.44	.50	0.52	0.52	0.54	0.69	0.74	....	....	....	....
May 25	8:40 p. m.	[1] D. N. a. m.	.78	10:51 p. m.	11:27 p. m.	.03	.26	.34	.35	.39	.46	.55	.64	.67	....	....	....	....	....	....
Houghton, Mich.:																				
May 31	3:40 a. m.	5:28 a. m.	.77	4:24 a. m.	4:44 a. m.	.24	.27	.43	....	....	....	....	....	....	....	....	....	....	....	....
May 31	2:35 p. m.	6:10 p. m.	1.01	2:41 p. m.	2:49 p. m.	T.	.17	.35	....	....	....	....	....	....	....	....	....	....	....	....
Lansing, Mich.:																				
June 30	D. N. a. m.	11:00 a. m.	.70	6:45 a. m.	6:57 a. m.	.12	.11	.30	.41	....	....	....	....	....	....	....	....	....	....	....
July 26	5:05 p. m.	5:45 p. m.	.39	5:05 p. m.	5:21 p. m.	0	.08	.20	.37	.39	....	....	....	....	....	....	....	....	....	....
July 26	7:07 p. m.	[1] D. N. a. m.	.97	7:14 p. m.	7:32 p. m.	.02	.24	.35	.45	.50	....	....	....	....	....	....	....	....	....	....
Ludington, Mich.:																				
May 25–26	D. N. p. m.	6:52 a. m.	1.31	11:47 p. m.	12:35 a. m.	.03	.16	.21	.22	.30	.57	.68	.76	.94	1.03	1.08	....	....	....	....
Marquette, Mich.:																				
May 17	1:42 p. m.	[1] 8:30 a. m.	2.91	6:00 p. m.	7:24 p. m.	.37	.11	.17	.22	.27	.38	.51	.57	.65	.70	.82	1.19	2.13	2.40	....
May 31	6:23 p. m.	[1] D. N. a. m.	1.29	6:29 p. m.	6:48 p. m.	.01	.48	.74	.91	1.06	....	....	....	....	....	....	....	....	....	....
July 15 [2]	12:45 p. m.	4:00 p. m.	1.18	1:57 p. m.	2:47 p. m.	.02	....	....	....	....	....	....	....	....	....	.73	....	....	....	....
Port Huron, Mich.:																				
May 26	D. N. a. m.	6:20 a. m.	1.70	3:57 a. m.	5:24 a. m.	.30	.24	.35	.37	.42	.48	.52	.60	.68	.79	.90	.93	1.23	1.39	....
Saginaw, Mich.:																				
July 26	4:19 p. m.	5:33 p. m.	.68	4:30 p. m.	4:49 p. m.	.02	.21	.41	.55	.65	....	....	....	....	....	....	....	....	....	....
Aug. 22	6:33 a. m.	7:25 a. m.	.52	6:37 a. m.	6:58 a. m.	.01	.12	.30	.31	.47	.49	....	....	....	....	....	....	....	....	....
Nov. 17	2:55 p. m.	4:58 p. m.	.58	3:35 p. m.	3:48 p. m.	.05	.08	.29	.38	....	....	....	....	....	....	....	....	....	....	....
Sault Ste. Marie, Mich.:																				
July 23	12:30 a. m.	7:15 a. m.	1.13	3:07 a. m.	3:18 a. m.	.26	.20	.44	.48	....	....	....	....	....	....	....	....	....	....	....
Fort Wayne, Ind.:																				
June 27	5:30 p. m.	7:40 p. m.	.74	5:40 p. m.	6:10 p. m.	.01	.09	.21	.30	.41	.58	.67	....	....	....	....	....	....	....	....
June 27–28	10:15 p. m.	D. N. a. m.	1.30	11:55 p. m.	12:11 a. m.	.12	.37	.81	1.01	1.04	....	....	....	....	....	....	....	....	....	....
Aug. 30	3:05 a. m.	5:39 a. m.	.65	3:24 a. m.	3:33 a. m.	.07	.26	.31	....	....	....	....	....	....	....	....	....	....	....	....
Sept. 4	7:40 a. m.	D. N. p. m.	4.17	3:22 p. m.	4:22 p. m.	2.19	.06	.15	.39	.55	.65	.68	.71	.80	.86	1.02	1.33	....	....	....
Sept. 11	7:03 p. m.	11:50 p. m.	.70	9:08 p. m.	9:22 p. m.	.12	.17	.32	.42	....	....	....	....	....	....	....	....	....	....	....
Royal Center, Ind.:																				
May 28	1:15 p. m.	5:00 p. m.	1.39	1:34 p. m.	2:09 p. m.	.09	.10	.17	.26	.39	.46	.54	.60	....	....	....	....	....	....	....
May 28	1:15 p. m.	5:00 p. m.	1.39	3:02 p. m.	3:17 p. m.	.78	.32	.40	.47	....	....	....	....	....	....	....	....	....	....	....
June 6	3:15 p. m.	6:00 p. m.	1.41	3:25 p. m.	4:25 p. m.	.01	.09	.11	.21	.31	.32	.33	.38	.62	.94	1.15	1.35	....	....	....
June 10	2:15 p. m.	3:15 p. m.	1.00	2:40 p. m.	3:05 p. m.	T.	.20	.39	.75	.85	.97	....	....	....	....	....	....	....	....	....
July 25	7:35 p. m.	D. N. p. m.	.81	9:48 p. m.	10:13 p. m.	.18	.06	.19	.32	.48	.54	....	....	....	....	....	....	....	....	....
July 26	6:25 p. m.	[1] 12:15 a. m.	.49	6:30 p. m.	6:49 p. m.	T.	.10	.17	.33	.43	....	....	....	....	....	....	....	....	....	....
Aug. 17	D. N. a. m.	7:45 a. m.	1.43	5:18 a. m.	6:03 a. m.	.14	.10	.36	.52	.66	.74	.84	.92	.99	1.04	....	....	....	....	....
Aug. 30	D. N. a. m.	5:45 a. m.	.63	2:12 a. m.	2:32 a. m.	T.	.06	.09	.39	.49	....	....	....	....	....	....	....	....	....	....
Oct. 27	4:16 p. m.	D. N. p. m.	.82	5:47 p. m.	6:12 p. m.	.02	.27	.42	.47	.62	.76	....	....	....	....	....	....	....	....	....
Chicago, Ill.:																				
July 24	5:20 p. m.	5:40 p. m.	.43	5:25 p. m.	5:32 p. m.	.03	.24	.38	....	....	....	....	....	....	....	....	....	....	....	....
July 28	3:58 p. m.	6:43 p. m.	.61	4:09 p. m.	4:21 p. m.	.01	.23	.47	.53	....	....	....	....	....	....	....	....	....	....	....
Green Bay, Wis.:																				
May 18	[1] 9:25 p. m.	8:30 a. m.	1.94	12:08 a. m.	1:04 a. m.	.32	.13	.16	.25	.38	.47	.52	.55	.56	.58	.77	.97	....	....	....
May 19	1:30 p. m.	3:30 p. m.	1.45	2:28 p. m.	2:53 p. m.	.12	.23	.43	.84	1.20	1.27	....	....	....	....	....	....	....	....	....
May 25	D. N. a. m.	5:10 a. m.	.86	1:00 a. m.	1:22 a. m.	.03	.07	.26	.40	.49	.53	....	....	....	....	....	....	....	....	....
Aug. 1	7:05 p. m.	8:10 p. m.	.48	7:10 p. m.	7:29 p. m.	.01	.15	.29	.34	.41	....	....	....	....	....	....	....	....	....	....
Milwaukee, Wis.:																				
May 19	1:45 p. m.	4:20 p. m.	.53	3:53 p. m.	4:09 p. m.	.05	.06	.15	.43	.48	....	....	....	....	....	....	....	....	....	....
May 19	4:50 p. m.	6:15 p. m.	.91	5:01 p. m.	5:17 p. m.	.07	.22	.41	.61	.65	....	....	....	....	....	....	....	....	....	....
Duluth, Minn.:																				
May 24	8:50 p. m.	[1] D. N. a. m.	1.12	8:59 p. m.	9:28 p. m.	.03	.07	.24	.31	.43	.73	.80	....	....	....	....	....	....	....	....
Aug. 9–10	11:15 p. m.	1:00 a. m.	.56	11:38 p. m.	12:04 a. m.	.01	.18	.26	.35	.39	.46	....	....	....	....	....	....	....	....	....
NORTH DAKOTA.																				
Moorhead, Minn.:																				
May 24	2:10 p. m.	2:35 p. m.	.42	2:18 p. m.	2:31 p. m.	.01	.10	.33	.41	....	....	....	....	....	....	....	....	....	....	....
June 25	9:10 p. m.	10:35 p. m.	.69	9:35 p. m.	9:55 p. m.	.07	.09	.25	.42	.50	....	....	....	....	....	....	....	....	....	....
July 1 [2]	4:10 p. m.	5:11 p. m.	.98	4:32 p. m.	5:10 p. m.	.01	.14	.29	.51	.70	.77	.84	.92	.97	....	....	....	....	....	....
Aug. 9	5:05 p. m.	6:10 p. m.	.85	5:30 p. m.	5:48 p. m.	.06	.22	.51	.67	.72	....	....	....	....	....	....	....	....	....	....
Aug. 12	6:15 a. m.	8:25 a. m.	1.48	6:55 a. m.	7:50 a. m.	.05	.06	.22	.55	.73	.78	.81	.82	.89	1.09	1.19	1.33	....	....	....
Aug. 21	9:25 p. m.	10:10 p. m.	.44	9:43 p. m.	9:57 p. m.	.07	.09	.31	.35	....	....	....	....	....	....	....	....	....	....	....
Aug. 22	2:00 a. m.	2:45 a. m.	.65	2:04 a. m.	2:19 a. m.	.01	.11	.35	.63	....	....	....	....	....	....	....	....	....	....	....
Bismarck, N. Dak.:																				
Aug. 19	2:00 p. m.	3:15 p. m.	.68	2:37 p. m.	3:00 p. m.	.01	.13	.27	.34	.55	.66	....	....	....	....	....	....	....	....	....
Aug. 21	9:08 p. m.	9:58 p. m.	.96	9:17 p. m.	9:35 p. m.	.01	.32	.52	.79	.86	....	....	....	....	....	....	....	....	....	....
Devils Lake, N. Dak.:																				
July 27	D. N. a. m.	8:35 a. m.	.67	8:03 a. m.	8:18 a. m.	.24	.12	.33	.41	....	....	....	....	....	....	....	....	....	....	....

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

Accumulated amounts of precipitation for each 5 minutes, for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes, or 0.80 in 1 hour, during 1918, at all stations furnished with self-registering gages—Continued.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Depths 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.
NORTH DAKOTA—continued.																				
Ellendale, N. Dak.:																				
May 31	6:35 p. m.	D.N. p. m.	1.37	6:44 p. m.	7:19 p. m.	0.02	0.05	0.08	0.45	0.80	0.95	1.06	1.11							
June 5	5:58 p. m.	7:40 p. m.	.40	6:50 p. m.	7:05 p. m.	.01	.23	.30	.38											
June 15	6:25 p. m.	7:30 p. m.	.98	6:36 p. m.	7:04 p. m.	.04	.16	.47	.59	.69	.86	.90								
July 27	6:05 p. m.	7:03 p. m.	.73	6:15 p. m.	6:40 p. m.	.01	.13	.32	.52	.63	.68									
Aug. 3	6:10 p. m.	9:35 p. m.	1.66	7:47 p. m.	8:53 p. m.	.25	.05	.11	.24	.38	.48	.52	.54	0.54	0.57	0.63	1.01	1.39		
Williston, N. Dak.:																				
May 6	3:58 p. m.	4:40 p. m.	.28	4:33 p. m.	4:38 p. m.	.02	.26													
Aug. 15	1:08 p. m.	4:50 p. m.	.98	2:26 p. m.	2:55 p. m.	.07	.12	.21	.34	.51	.75	.84								
Aug. 17	[1]11:05 p. m.	D.N. a. m.	1.10	12:10 a. m.	12:40 a. m.	.07	.15	.42	.55	.72	.81	.92								
Aug. 21	6:12 p. m.	[2]D.N. a. m.	.67	6:22 p. m.	6:46 p. m.	.03	.08	.13	.20	.39	.50									
UPPER MISSISSIPPI VALLEY.																				
Minneapolis, Minn.:																				
May 31	9:45 a. m.	10:05 a. m.	.32	9:52 a. m.	10:02 a. m.	.01	.12	.30												
June 8	6:32 p. m.	D.N. p. m.	1.04	6:41 p. m.	7:05 p. m.	.01	.22	.42	.61	.79	.85									
July 24	5:50 a. m.	7:10 a. m.	1.10	6:23 a. m.	6:49 a. m.	.03	.20	.39	.61	.88	1.00	1.04								
Aug. 22	[1]6:55 p. m.	D.N. a. m.	1.41	12:48 a. m.	12:55 a. m.	.94	.35	.39												
Aug. 28	7:42 a. m.	9:10 a. m.	.74	7:47 a. m.	8:18 a. m.	.01	.14	.26	.32	.40	.52	.65	.67							
St. Paul, Minn.:																				
May 30–31	11:40 p. m.	12:45 a. m.	.90	11:40 p. m.	12:07 a. m.	0	.18	.47	.62	.70	.77	.81								
May 31	1:20 p. m.	1:40 p. m.	.39	1:20 p. m.	1:40 p. m.	0	.19	.27	.33	.39										
June 8	6:35 p. m.	7:50 p. m.	.94	6:44 p. m.	7:00 p. m.	.01	.25	.51	.61	.65										
July 14	6:45 p. m.	11:15 p. m.	1.08	7:02 p. m.	7:45 p. m.	.02	.10	.23	.34	.44	.55	.62	.74	.79	.85					
July 24	6:07 a. m.	7:28 a. m.	1.60	6:21 a. m.	7:03 a. m.	.02	.16	.44	.64	.84	1.10	1.31	1.40	1.51	1.56					
Aug. 21	10:00 p. m.	[2]12:15 a. m.	2.04	10:35 p. m.	11:36 p. m.	.17	.09	.21	.59	.68	.75	.80	.88	.91	.93	1.02	1.26	1.38		
Aug. 28	8:00 a. m.	8:42 a. m.	.68	8:00 a. m.	8:20 a. m.	0	.10	.39	.51	.56										
La Crosse, Wis.:																				
May 27	[1]11:45 p. m.	D.N. a. m.	.79	12:16 a. m.	12:26 a. m.	.07	.20	.33												
July 24	8:20 a. m.	2:05 p. m.	1.35	1:14 p. m.	1:42 p. m.	.37	.08	.15	.32	.74	.90	.97								
Aug. 7	4:00 p. m.	4:51 p. m.	1.18	4:08 p. m.	4:22 p. m.	.01	.06	.85	1.02											
Madison, Wis.:																				
May 17	8:50 p. m.	[2]D.N. a. m.	.77	8:54 p. m.	9:01 p. m.	.01	.29	.32												
Oct. 27	[1]9:00 p. m.	1:40 p. m.	1.92	12:38 p. m.	1:29 p. m.	1.08	.32	.40	.44	.46	.47	.50	.61	.69	.75	.81	.84			
Wausau, Wis.:																				
May 25	D.N. a. m.	D.N. a. m.	.77	3:28 a. m.	3:33 a. m.	.42	.31													
May 26	[1]D.N. p. m.	D.N. a. m.	1.54	12:57 a. m.	1:26 a. m.	.60	.06	.08	.15	.51	.71	.85								
July 24	6:22 a. m.	9:48 a. m.	.75	7:17 a. m.	7:42 a. m.	.07	.11	.29	.40	.45	.54									
July 28	5:23 a. m.	10:55 a. m.	1.27	6:04 a. m.	6:44 a. m.	.01	.10	.31	.51	.60	.67	.70	.75	.81						
Aug. 12	4:20 a. m.	7:32 a. m.	.82	5:48 a. m.	6:07 a. m.	.15	.13	.30	.41	.49										
Aug. 21	6:18 a. m.	7:49 a. m.	.57	6:47 a. m.	7:07 a. m.	.04	.20	.39	.44	.50										
Aug. 28	2:40 p. m.	2:59 p. m.	.69	2:44 p. m.	2:52 p. m.	.01	.51	.68												
Charles City, Iowa:																				
May 9	2:43 p. m.	7:45 p. m.	1.27	6:29 p. m.	6:59 p. m.	.64	.07	.20	.26	.38	.47	.56								
May 17	4:17 p. m.	9:20 p. m.	1.08	4:47 p. m.	5:09 p. m.	.08	.06	.22	.31	.43	.48									
July 25	7:44 p. m.	[2]4:35 a. m.	3.62	7:56 p. m.	8:31 p. m.	.03	.05	.17	.32	.63	.90	1.03	1.09							
July 26	[1]7:44 p. m.	4:35 a. m.	3.62	2:19 a. m.	3:26 a. m.	1.94	.11	.14	.28	.44	.55	.68	.76	.77	.84	1.04	1.18	1.54		
Aug. 1	5:07 a. m.	10:10 a. m.	.74	5:09 a. m.	5:32 a. m.	.01	.13	.25	.32	.49	.62									
Aug. 16	1:12 a. m.	6:43 a. m.	2.61	3:39 a. m.	4:31 a. m.	.93	.07	.15	.28	.35	.37	.38	.44	.61	.83	1.12	1.17			
Sept. 14	8:58 a. m.	1:20 p. m.	.68	10:54 a. m.	11:08 a. m.	.06	.17	.44	.51											
Davenport, Iowa:																				
May 24	2:00 a. m.	11:43 a. m.	2.02	7:01 a. m.	7:16 a. m.	.69	.13	.27	.38											
May 24	2:00 a. m.	11:43 a. m.	2.02	10:16 a. m.	10:26 a. m.	1.39	.19	.41												
June 4	[1]9:35 p. m.	8:39 a. m.	.82	5:53 a. m.	6:02 a. m.	.17	.21	.33												
June 27	5:27 p. m.	8:50 p. m.	1.45	6:11 p. m.	6:34 p. m.	.17	.16	.43	.60	.80	.85									
July 6	6:38 p. m.	8:50 p. m.	1.55	7:05 p. m.	7:25 p. m.	.13	.16	.46	.84	1.13										
July 7	1:55 p. m.	3:35 p. m.	.65	2:21 p. m.	2:34 p. m.	.01	.25	.48	.54											
Des Moines, Iowa:																				
May 24	2:40 a. m.	8:25 a. m.	1.86	7:01 a. m.	7:27 a. m.	.91	.14	.17	.22	.39	.60	.65								
May 27	12:02 a. m.	9:30 a. m.	1.87	1:01 a. m.	1:11 a. m.	.05	.14	.31												
June 3	3:55 a. m.	5:40 a. m.	.74	3:59 a. m.	4:15 a. m.	.01	.16	.27	.44	.47										
June 5	11:23 a. m.	12:10 p. m.	1.15	11:41 a. m.	12:03 p. m.	.01	.30	.60	.85	.96	1.13									
June 24	12:15 a. m.	D.N. a. m.	1.08	12:19 a. m.	12:42 a. m.	.01	.14	.39	.64	.90	96									
Aug. 17	6:27 p. m.	[2]D.N. a. m.	1.40	7:10 p. m.	7:35 p. m.	.07	.14	.36	.62	.78	.85									
Oct. 27	12:45 p. m.	1:22 p. m.	.42	12:51 p. m.	1:01 p. m.	.02	.22	.33												
Dubuque, Iowa:																				
Mar. 13	7:15 a. m.	4:25 p. m.	1.55	9:26 a. m.	10:26 a. m.	.38	.19	.27	.28	.29	.29	.31	.45	.54	.59	.67	.84			
May 9	[1]5:47 p. m.	6:30 a. m.	1.69	6:08 a. m.	6:20 a. m.	.98	.29	.68	.71											
May 17	1:33 p. m.	4:14 p. m.	.79	1:37 p. m.	2:02 p. m.	.01	.16	.38	.46	.59	.64									
May 17	6:10 p. m.	[2]D.N. a. m.	1.54	6:57 p. m.	7:27 p. m.	.10	.23	.45	.60	.65	.72	.77								
May 21	6:40 p. m.	D.N. p. m.	1.43	6:59 p. m.	7:08 p. m.	.04	.27	.46												
May 21	6:40 p. m.	D.N. p. m.	1.43	7:47 p. m.	8:07 p. m.	.58	.15	.42	.54	.61										
May 27	8:22 a. m.	10:17 a. m.	.63	8:29 a. m.	8:44 a. m.	.02	.14	.23	.35											
June 24	8:00 p. m.	D.N. p. m.	1.44	9:03 p. m.	9:53 p. m.	.11	.05	.13	.20	.28	.43	.63	.86	1.02	1.11	1.19				
June 30	[1]D.N. p. m.	8:30 a. m.	1.12	1:26 a. m.	1:55 a. m.	.12	.10	.21	.25	.36	.47	.55								
				9:35 p. m.	10:25 p. m.	.03	.13	.31	.49	.65	.70	.73	.79	.84	.87	.90				
				10:25 p. m.	11:15 p. m.		.93	.94	1.01	1.06	1.20	1.30	1.33	1.43	1.60	1.79				
Aug. 16–17	9:00 p. m.	8:15 a. m.	4.46	11:15 p. m.	12:05 a. m.		2.07	2.37	2.57	2.78	2.97	3.05	3.18	3.30	3.42	3.49				
				12:05 a. m.	12:20 a. m.		3.61	3.74	3.82											

[1] On previous date.

[2] On following date.

Accumulated amounts of precipitation for each 5 minutes, for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes, or 0.80 in 1 hour, during 1918, at all stations furnished with self-registering gages—Continued.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Depths 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—contd.																				
Keokuk, Iowa:																				
May 17	7:00 p. m.	9:02 p. m.	0.89	7:04 p. m.	7:24 p. m.	0.01	0.27	0.46	0.55	0.61										
May 19	5:28 p. m.	6:50 p. m.	.52	5:43 p. m.	6:02 p. m.	.01	.20	.30	.36	.43										
May 27	4:15 p. m.	7:25 p. m.	1.46	5:48 p. m.	6:40 p. m.	.18	.09	.25	.32	.39	0.48	0.51	0.59	0.71	1.05	1.18				
May 28	5:35 p. m.	11:00 p. m.	.74	5:54 p. m.	6:10 p. m.	.02	.13	.20	.52	.57										
June 24	D.N. a. m.	9:10 a. m.	1.51	8:21 a. m.	8:39 a. m.	.89	.23	.42	.52	.57										
Aug. 10–11	11:32 p. m.	D.N. a. m.	.86	11:55 p. m.	12:17 a. m.	.05	.20	.29	.44	.59	.67									
Aug. 13	3:37 p. m.	4:27 p. m.	.69	3:43 p. m.	3:53 p. m.	.02	.23	.45												
Aug. 18	D.N. a. m.	8:25 a. m.	1.03	4:37 a. m.	5:02 a. m.	T.	.18	.30	.41	.67	.75									
Nov. 16 [1]	4:30 p. m.	8:15 p. m.	1.36	4:53 p. m.	5:03 p. m.	.02	.23	.43												
Nov. 16 [1]	4:30 p. m.	8:15 p. m.	1.36	6:15 p. m.	6:55 p. m.	.53	.05	.12	.27	.28	.42	.48	.68	.79						
Cairo, Ill.:																				
Feb. 19	7:02 a. m.	4:20 p. m.	.50	3:15 p. m.	3:32 p. m.	.05	.17	.24	.38	.43										
Mar. 23	7:15 p. m.	[2] 6:10 a. m.	1.30	7:59 p. m.	8:28 p. m.	.06	.16	.28	.41	.51	.56	.62								
Apr. 1	8:10 p. m.	[2] 4:30 a. m.	1.58	8:21 p. m.	8:47 p. m.	.04	.12	.32	.38	.42	.51	.53								
Apr. 1	8:10 p. m.	[2] 4:30 a. m.	1.58	9:10 p. m.	9:20 p. m.	.61	.34	.50												
Apr. 28	[3] 11:50 p. m.	5:20 a. m.	1.84	12:19 a. m.	1:36 a. m.	.04	.14	.23	.25	.32	.42	.49	.63	.75	.88	.94	1.19	1.42		
May 7	7:35 a. m.	11:10 a. m.	.82	10:00 a. m.	10:17 a. m.	.17	.28	.55	.60	.64										
May 7	4:15 p. m.	6:10 p. m.	.52	5:36 p. m.	5:45 p. m.	.02	.35	.43												
June 5	1:20 p. m.	4:37 p. m.	1.69	1:42 p. m.	2:29 p. m.	.03	.10	.22	.54	.82	1.08	1.28	1.39	1.53	1.62	1.64				
July 21	12:50 p. m.	2:15 p. m.	.43	1:43 p. m.	1:57 p. m.	.01	.13	.33	.38											
Sept. 16	[3] 9:45 p. m.	6:10 p. m.	2.62	6:41 a. m.	7:18 a. m.	.86	.12	.20	.31	.39	.47	.57	.62	.65						
Peoria, Ill.:																				
Apr. 2	7:00 p. m.	D.N. p. m.	.67	7:35 p. m.	7:55 p. m.	.02	.05	.33	.43	.49										
May 19	5:00 p. m.	5:30 p. m.	.30	5:08 p. m.	5:13 p. m.	.01	.27													
June 6	2:50 p. m.	3:25 p. m.	.54	2:58 p. m.	3:17 p. m.	.01	.18	.35	.44	.50										
June 24	7:25 p. m.	[2] 1:30 p. m.	1.50	10:12 p. m.	10:38 p. m.	.34	.33	.45	.63	.80	1.02	1.04								
June 27 [1]	9:05 p. m.	[2] 1:20 a. m.	1.36	9:16 p. m.	9:26 p. m.	.01	.21	.40												
July 6	7:55 p. m.	10:35 p. m.	.74	8:25 p. m.	8:45 p. m.	.03	.09	.29	.38	.46										
July 7	12:50 a. m.	7:50 a. m.	1.63	2:36 a. m.	2:48 a. m.	.44	.09	.33	.39											
Aug. 13	9:45 p. m.	12:00 p. m.	1.11	10:28 p. m.	10:49 p. m.	.15	.16	.33	.46	.66	.70									
Aug. 15	5:30 a. m.	9:50 a. m.	1.44	6:00 a. m.	6:17 a. m.	.09	.25	.53	.89	.95										
Aug. 30	4:20 p. m.	6:40 p. m.	.83	4:33 p. m.	4:53 p. m.	.02	.15	.33	.58	.70										
Springfield, Ill.:																				
May 9	D.N. a. m.	D.N. a. m.	2.16	1:29 a. m.	2:16 a. m.	.17	.07	.24	.58	.86	1.04	1.23	1.44	1.59	1.65	1.71				
June 6	11:24 a. m.	12:34 p. m.	1.85	11:28 a. m.	12:20 p. m.	.01	.41	.85	.97	1.12	1.20	1.35	1.48	1.63	1.73	1.79	1.82			
July 7	[3] 9:00 p. m.	6:33 a. m.	1.69	4:48 a. m.	5:17 a. m.	.68	.12	.21	.25	.40	.71	.85								
Sept. 4	D.N. a. m.	12:26 p. m.	2.18	4:55 a. m.	5:55 a. m.	.92	.05	.11	.19	.25	.31	.41	.50	.55	.61	.70	.96			
Hannibal, Mo.:																				
May 19	6:55 p. m.	D.N. p. m.	.81	7:12 p. m.	7:43 p. m.	.01	.21	.32	.48	.61	.66	.73	.77							
May 27	12:11 p. m.	2:40 p. m.	1.75	12:34 p. m.	2:00 p. m.	.03	.05	.11	.17	.32	.52	.71	.91	1.09	1.28	1.34	1.48	1.59	1.72	
May 28	3:47 p. m.	7:05 p. m.	.67	4:00 p. m.	4:18 p. m.	.03	.11	.28	.48	.53										
June 10	4:28 p. m.	5:40 p. m.	.33	5:23 p. m.	5:32 p. m.	.01	.21	.32												
Aug. 23	11:13 a. m.	3:35 p. m.	.94	12:41 p. m.	1:03 p. m.	.15	.14	.30	.37	.48	.55									
Aug. 29	7:35 p. m.	10:15 p. m.	1.30	7:41 p. m.	8:04 p. m.	.02	.15	.56	.89	1.04	1.09									
Aug. 30	1:50 p. m.	4:42 p. m.	.74	1:54 p. m.	2:10 p. m.	.01	.20	.44	.56	.60										
Sept. 2	[3] 10:50 p. m.	9:52 a. m.	2.70	1:56 a. m.	2:53 a. m.	.23	.08	.22	.40	.43	.47	.60	.83	.97	1.00	1.21	1.38			
St. Louis, Mo.:																				
Aug. 15	3:50 p. m.	5:00 p. m.	.74	3:52 p. m.	4:05 p. m.	.01	.18	.57	.70											
Aug. 24	6:20 a. m.	6:00 p. m.	2.71	10:24 a. m.	11:44 a. m.	.11	.09	.17	.42	.48	.53	.67	.82	1.02	1.34	1.57	1.68	2.09		
Oct. 27	[3] 11:30 p. m.	8:15 a. m.	.94	7:42 a. m.	7:48 a. m.	.65	.26	.29												
MISSOURI VALLEY.																				
Columbia, Mo.:																				
May 22	3:21 p. m.	D.N. a. m.	1.55	10:10 p. m.	10:26 p. m.	.57	.13	.25	.36	.44										
Aug. 9	6:09 p. m.	D.N. p. m.	2.21	7:02 p. m.	7:54 p. m.	.02	.15	.47	.90	1.18	1.21	1.43	1.68	1.77	1.91	2.02	2.09			
Aug. 13	1:50 p. m.	3:22 p. m.	1.22	1:56 p. m.	2:38 p. m.	.01	.16	.40	.55	.69	.87	.90	.96	1.06	1.11					
Aug. 16	6:42 p. m.	D.N. p. m.	.70	7:06 p. m.	7:24 p. m.	.02	.11	.24	.40	.48										
Aug. 19	8:48 a. m.	1:58 p. m.	1.58	9:16 a. m.	9:57 a. m.	.07	.13	.43	.76	.96	1.07	1.17	1.24	1.28	1.31					
Aug. 23	11:35 a. m.	1:30 p. m.	1.08	11:35 a. m.	12:20 p. m.	0	.09	.16	.26	.39	.49	.62	.77	.88	.95					
				5:02 a. m.	5:52 a. m.	.93	.05	.11	.23	.34	.41	.53	.66	.83	.99	1.14				
				5:52 a. m.	6:42 a. m.		1.23	1.34	1.47	1.61	1.72	1.86	1.95	2.06	2.21	2.29				
Sept. 2	D.N. a. m.	10:22 a. m.	6.61	6:42 a. m.	7:32 a. m.		2.35	2.37	2.50	2.82	3.14	3.31	3.48	3.59	3.67	3.73				
				7:32 a. m.	8:22 a. m.		3.79	3.93	4.04	4.15	4.28	4.45	4.57	4.70	4.81	4.89				
				8:22 a. m.	9:05 a. m.		5.02	5.17	5.29	5.34	5.39	5.41	5.48	5.60	5.64					
Sept. 4	[3] 5:23 p. m.	8:50 a. m.	1.90	1:49 a. m.	2:32 a. m.	.70	.06	.15	.24	.31	.39	.45	.53	.62	.69					
Kansas City, Mo.:																				
May 22	4:40 a. m.	7:25 a. m.	.68	5:07 a. m.	5:26 a. m.	.02	.15	.19	.41	.55										
May 22	7:47 a. m.	10:00 a. m.	.62	7:58 a. m.	8:12 a. m.	.02	.21	.30	.35											
Aug. 16	7:22 p. m.	8:15 p. m.	.63	7:25 p. m.	7:43 p. m.	.01	.13	.28	.50	.60										
Sept. 1	8:20 p. m.	[2] 6:00 a. m.	3.99	10:15 p. m.	10:45 p. m.	.32	.08	.19	.31	.67	.80	.86								
Sept. 2	[3] 8:20 p. m.	6:00 a. m.	3.99	2:10 a. m.	3:13 a. m.	2.12	.25	.35	.43	.57	.65	.83	.93	.98	1.11	1.27	1.53	1.61		
Oct. 26	1:32 p. m.	[3] D.N. a. m.	2.70	9:41 p. m.	10:20 p. m.	1.74	.05	.11	.22	.33	.50	.71	.78	.86						
St. Joseph, Mo.:																				
May 17	11:15 a. m.	1:17 p. m.	.84	12:47 p. m.	1:04 p. m.	.38	.06	.15	.40	.45										
May 21	10:27 p. m.	[3] 9:50 a. m.	2.06	11:11 p. m.	11:51 p. m.	.11	.08	.28	.43	.48	.56	.62	.69	.77						
Aug. 30	9:54 a. m.	5:25 p. m.	1.07	10:05 a. m.	10:29 a. m.	.01	.13	.29	.48	.56	.59									
Sept. 1	6:35 p. m.	[2] 6:30 a. m.	3.44	10:08 p. m.	10:33 p. m.	.22	.10	.26	.37	.43	.49									
Sept. 2	[3] 6:35 p. m.	6:30 a. m.	3.44	2:56 a. m.	4:12 a. m.	.92	.17	.30	.38	.43	.51	.64	.78	.93	1.18	1.28	1.64	2.06		

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

Accumulated amounts of precipitation for each 5 minutes, for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes, or 0.80 in 1 hour, during 1918, at all stations furnished with self-registering gages—Continued.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Depths of precipitation (in inches) during periods of time indicated.												
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
MISSOURI VALLEY—continued.																				
Springfield, Mo.:																				
Apr. 27	6:40 p. m.	10:17 p. m.	0.39	7:04 p. m.	7:15 p. m.	0.02	0.14	0.32	0.36	....	....	....	....	....	....	....	....	....	....	....
June 24–25	9:31 p. m.	D.N. a. m.	1.26	11:56 p. m.	12:16 a. m.	.79	.10	.27	.40	0.45	....	....	....	....	....	....	....	....	....	....
June 28	2:15 p. m.	4:56 p. m.	.78	2:38 p. m.	2:46 p. m.	.06	.24	.32	....	....	....	....	....	....	....	....	....	....	....	....
Aug. 8	6:14 p. m.	10:27 p. m.	.63	6:18 p. m.	6:27 p. m.	.01	.39	.49	....	....	....	....	....	....	....	....	....	....	....	....
Aug. 30	6:11 p. m.	11:14 p. m.	1.02	6:14 p. m.	6:28 p. m.	.02	.45	.85	.91	....	....	....	....	....	....	....	....	....	....	....
Sept. 16	D.N. a. m.	5:36 a. m.	1.22	2:13 a. m.	3:11 a. m.	.02	.07	.25	.38	.54	0.64	0.65	0.67	0.75	0.79	0.90	1.04	....	....	....
Sept. 19	D.N. a. m.	8:02 a. m.	1.02	12:47 a. m.	1:12 a. m.	.05	.09	.17	.29	.38	.55	....	....	....	....	....	....	....	....	....
Sept. 25	7:50 a. m.	11:58 a. m.	1.17	8:56 a. m.	9:17 a. m.	.13	.10	.24	.33	.41	.46	....	....	....	....	....	....	....	....	....
Iola, Kans.:																				
May 28	3:50 p. m.	4:55 p. m.	.53	4:06 p. m.	4:11 p. m.	.03	.26	....	....	....	....	....	....	....	....	....	....	....	....	....
May 29	4:45 a. m.	8:10 a. m.	1.74	5:03 a. m.	6:01 a. m.	.04	.06	.21	.35	.52	.61	.66	.76	.86	.95	1.06	1.21	....	....	....
June 6	2:10 a. m.	3:05 a. m.	1.24	2:14 a. m.	2:58 a. m.	.01	.24	.42	.44	.60	.73	.79	.81	1.00	1.23	....	....	....	....	....
June 23	11:40 a. m.	1:55 p. m.	.78	12:23 p. m.	12:43 p. m.	.12	.19	.30	.44	.59	....	....	....	....	....	....	....	....	....	....
July 16	4:55 p. m.	9:00 p. m.	.62	5:10 p. m.	5:28 p. m.	.02	.19	.37	.48	.52	....	....	....	....	....	....	....	....	....	....
Sept. 18	10:15 p. m.	[1]D.N. a. m.	1.01	10:41 p. m.	11:02 p. m.	.02	.11	.15	.23	.39	.46	....	....	....	....	....	....	....	....	....
Topeka, Kans.:																				
May 22	4:00 a. m.	5:10 a. m.	.55	4:03 a. m.	4:19 a. m.	.01	.21	.41	.47	.51	....	....	....	....	....	....	....	....	....	....
May 22	6:20 a. m.	8:45 a. m.	.80	6:53 a. m.	7:04 a. m.	.13	.10	.33	.38	....	....	....	....	....	....	....	....	....	....	....
May 27	7:20 p. m.	11:15 p. m.	.75	7:52 p. m.	8:03 p. m.	.08	.16	.36	.39	....	....	....	....	....	....	....	....	....	....	....
May 28	6:45 p. m.	[1]7:20 a. m.	4.28	10:33 p. m.	11:44 p. m.	.25	.20	.42	.43	.45	.50	.54	.58	.71	.79	.94	1.33	1.91	....	....
May 29	[2]6:45 p. m.	7:20 a. m.	4.28	1:04 a. m.	2:10 a. m.	2.25	.09	.16	.34	.54	.66	.72	.79	.83	.86	.93	1.07	1.26	....	....
June 29	7:16 p. m.	[1]D.N. a. m.	1.50	7:27 p. m.	7:42 p. m.	.02	.21	.58	.69	....	....	....	....	....	....	....	....	....	....	....
July 23–24	11:44 p. m.	D.N. a. m.	1.13	11:47 p. m.	12:17 a. m.	.01	.16	.23	.30	.43	.53	.61	....	....	....	....	....	....	....	....
Aug. 22	5:06 p. m.	[1]D.N. a. m.	1.54	5:49 p. m.	6:13 p. m.	.04	.20	.46	.50	.56	.64	....	....	....	....	....	....	....	....	....
Sept. 1	6:57 p. m.	D.N. p. m.	2.72	9:12 p. m.	10:37 p. m.	.05	.45	.58	.67	.77	.84	.95	1.15	1.34	1.52	1.58	1.72	2.12	2.23	....
Sept. 1	6:57 p. m.	D.N. p. m.	2.72	11:12 p. m.	11:26 p. m.	2.30	.05	.15	.35	....	....	....	....	....	....	....	....	....	....	....
Nov. 7	8:55 a. m.	3:00 p. m.	1.17	9:02 a. m.	9:16 a. m.	.01	.05	.17	.36	....	....	....	....	....	....	....	....	....	....	....
Drexel, Nebr.:																				
May 21	[2]10:39 p. m.	3:45 a. m.	.81	1:27 a. m.	1:37 a. m.	.15	.22	.45	....	....	....	....	....	....	....	....	....	....	....	....
May 27	[2]7:58 p. m.	6:00 a. m.	.85	3:28 a. m.	3:44 a. m.	.34	.12	.27	.43	.46	....	....	....	....	....	....	....	....	....	....
May 28	5:12 p. m.	D.N. p. m.	.54	5:16 p. m.	5:29 p. m.	.02	.27	.40	.43	....	....	....	....	....	....	....	....	....	....	....
May 30	2:00 a. m.	4:45 a. m.	.52	4:06 a. m.	4:20 a. m.	.14	.09	.17	.35	....	....	....	....	....	....	....	....	....	....	....
June 3	6:44 p. m.	8:25 p. m.	.54	7:23 p. m.	7:46 p. m.	.03	.07	.22	.29	.41	.46	....	....	....	....	....	....	....	....	....
July 17	D.N. a. m.	3:25 p. m.	1.47	5:02 a. m.	6:04 a. m.	.04	.06	.14	.28	.38	.41	.46	.49	.54	.66	.75	.84	.92	....	....
Lincoln, Nebr.:																				
June 1	8:12 p. m.	10:37 p. m.	.61	8:15 p. m.	8:33 p. m.	.01	.27	.33	.38	.45	....	....	....	....	....	....	....	....	....	....
Omaha, Nebr.:																				
May 27	[3]7:45 p. m.	5:35 a. m.	1.30	1:44 a. m.	1:56 a. m.	.50	.13	.52	.58	....	....	....	....	....	....	....	....	....	....	....
May 27	11:40 p. m.	[1]3:00 a. m.	.40	11:47 p. m.	11:59 p. m.	.01	.13	.34	.37	....	....	....	....	....	....	....	....	....	....	....
May 31	10:27 a. m.	10:45 a. m.	.35	10:30 a. m.	10:41 a. m.	.01	.13	.33	.34	....	....	....	....	....	....	....	....	....	....	....
Aug. 10	5:28 p. m.	7:05 p. m.	.62	5:49 p. m.	6:20 p. m.	.05	.06	.12	.21	.31	.42	.51	.55	....	....	....	....	....	....	....
Oct 10	5:45 p. m.	9:05 p. m.	.66	6:03 p. m.	6:17 p. m.	.02	.18	.34	.39	....	....	....	....	....	....	....	....	....	....	....
Valentine, Nebr.[4]	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Sioux City, Iowa.:																				
May 17	D.N. a. m.	5:30 a. m.	.67	3:12 a. m.	3:35 a. m.	.20	.13	.29	.34	.40	.44	....	....	....	....	....	....	....	....	....
June 5	[3]4:35 p. m.	5:50 a. m.	1.75	3:18 a. m.	4:08 a. m.	.31	.05	.16	.34	.55	.68	.73	.86	.99	1.06	1.16	....	....	....	....
June 24	3:00 p. m.	5:50 p. m.	.81	3:56 p. m.	4:27 p. m.	.12	.13	.15	.17	.33	.46	.57	.59	....	....	....	....	....	....	....
Huron, S. Dak.:																				
June 3	4:45 a. m.	6:20 a. m.	.84	4:47 a. m.	5:04 a. m.	.01	.14	.53	.71	.75	....	....	....	....	....	....	....	....	....	....
July 6	6:05 a. m.	1:00 p. m.	1.72	6:53 a. m.	7:38 a. m.	.02	.08	.18	.39	.58	.76	.87	.97	1.05	1.15	....	....	....	....	....
July 24	4:15 p. m.	6:25 p. m.	1.62	5:06 p. m.	5:41 p. m.	.18	.08	.19	.43	.73	1.02	1.22	1.27	....	....	....	....	....	....	....
Aug. 4	2:05 a. m.	D.N. a. m.	.64	2:15 a. m.	2:25 a. m.	.02	.34	.61	....	....	....	....	....	....	....	....	....	....	....	....
Pierre, S. Dak.:																				
June 25	5:45 p. m.	7:10 p. m.	.82	5:49 p. m.	6:14 p. m.	.01	.45	.59	.64	.72	.77	....	....	....	....	....	....	....	....	....
Aug. 27	11:00 p. m.	11:50 p. m.	.84	11:10 p. m.	11:30 p. m.	.01	.32	.52	.70	.78	....	....	....	....	....	....	....	....	....	....
Yankton, S. Dak.:																				
May 18	6:42 p. m.	7:45 p. m.	1.43	6:47 p. m.	7:15 p. m.	.02	.15	.27	.43	.76	1.08	1.27	....	....	....	....	....	....	....	....
May 20	8:50 p. m.	[1]6:55 a. m.	1.91	10:25 p. m.	11:10 p. m.	.26	.08	.18	.36	.47	.52	.60	.65	.68	.76	....	....	....	....	....
May 28	8:10 a. m.	7:10 p. m.	1.91	2:52 p. m.	3:47 p. m.	.64	.06	.13	.19	.31	.37	.46	.57	.62	.76	.97	1.09	....	....	....
May 30	5:25 p. m.	[1]8:15 a. m.	1.13	6:48 p. m.	7:08 p. m.	.18	.10	.24	.37	.47	....	....	....	....	....	....	....	....	....	....
July 14	5:15 a. m.	9:30 a. m.	1.34	6:57 a. m.	7:24 a. m.	.39	.31	.57	.65	.70	.78	.81	....	....	....	....	....	....	....	....
Aug. 11	9:30 p. m.	[1]4:00 a. m.	.49	9:37 p. m.	9:44 p. m.	.01	.29	.38	....	....	....	....	....	....	....	....	....	....	....	....
Aug. 20	1:50 a. m.	3:15 a. m.	.53	1:56 a. m.	2:10 a. m.	.01	.22	.39	.45	....	....	....	....	....	....	....	....	....	....	....
NORTHERN SLOPE.																				
Havre, Mont.:																				
June 18	8:01 p. m.	8:55 p. m.	.72	8:18 p. m.	8:33 p. m.	T.	.36	.64	.70	....	....	....	....	....	....	....	....	....	....	....
Aug. 17	4:55 p. m.	6:16 p. m.	.71	5:01 p. m.	5:13 p. m.	.03	.18	.42	.59	....	....	....	....	....	....	....	....	....	....	....
Helena, Mont.[4]	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Kalispell, Mont.[4]	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Rapid City, S. Dak.:																				
May 23	4:48 p. m.	5:34 p. m.	.49	4:57 p. m.	5:13 p. m.	.02	.06	.18	.42	.45	....	....	....	....	....	....	....	....	....	....
Aug. 19	3:32 p. m.	5:58 p. m.	1.19	3:51 p. m.	4:05 p. m.	.04	.07	.28	.46	....	....	....	....	....	....	....	....	....	....	....
June 20	3:46 p. m.	5:20 p. m.	.41	3:51 p. m.	4:04 p. m.	.01	.19	.31	.36	....	....	....	....	....	....	....	....	....	....	....
Cheyenne, Wyo.:																				
July 18	5:55 p. m.	7:10 p. m.	.83	6:04 p. m.	6:24 p. m.	.01	.17	.40	.60	.67	....	....	....	....	....	....	....	....	....	....
Aug. 14	8:15 p. m.	9:45 p. m.	.79	8:30 p. m.	8:49 p. m.	.03	.07	.26	.51	.70	....	....	....	....	....	....	....	....	....	....
Lander, Wyo.[4]	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Sheridan, Wyo.:																				
July 16	8:45 p. m.	9:10 p. m.	.48	8:51 p. m.	9:03 p. m.	.01	.19	.45	.47	....	....	....	....	....	....	....	....	....	....	....
Yellowstone Park, Wyo.[4]	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
North Platte, Nebr.:																				
May 26	12:15 a. m.	4:50 a. m.	.49	12:36 a. m.	12:45 a. m.	.01	.25	.35	....	....	....	....	....	....	....	....	....	....	....	....
July 22	8:54 p. m.	10:10 p. m.	.39	9:13 p. m.	9:28 p. m.	.01	.16	.27	.36	....	....	....	....	....	....	....	....	....	....	....

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

Accumulated amounts of precipitation for each 5 minutes, for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes, or 0.80 in 1 hour, during 1918, at all stations furnished with self-registering gages—Continued.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Depths of precipitation (in inches) during periods of time indicated.													
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
MIDDLE SLOPE.																				
Denver, Colo.:																				
July 17	3:31 p. m.	4:08 p. m.	0.40	3:34 p. m.	3:42 p. m.	0.02	0.28	0.34	....	....	....	....	....	....	....	....	....	....	....	....
Pueblo, Colo.[1]	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Concordia, Kans.:																				
May 23	7:44 a. m.	12:36 p. m.	.95	7:51 a. m.	8:02 a. m.	.01	.21	.36	0.38	....	....	....	....	....	....	....	....	....	....	....
May 25	7:07 p. m.	11:41 p. m.	.72	7:10 p. m.	7:30 p. m.	.01	.14	.18	.47	0.60	....	....	....	....	....	....	....	....	....	....
June 24	9:12 p. m.	9:54 p. m.	.48	9:22 p. m.	9:36 p. m.	.01	.10	.33	.45	....	....	....	....	....	....	....	....	....	....	....
July 18	12:57 p. m.	1:26 p. m.	.62	1:01 p. m.	1:18 p. m.	.01	.13	.35	.55	.61	....	....	....	....	....	....	....	....	....	....
Aug. 22	6:32 p. m.	8:48 p. m.	.74	6:41 p. m.	7:01 p. m.	.05	.18	.48	.57	.62	....	....	....	....	....	....	....	....	....	....
Sept. 24	6:54 p. m.	7:55 p. m.	.67	6:57 p. m.	7:10 p. m.	.01	.29	.50	.57	....	....	....	....	....	....	....	....	....	....	....
Nov. 7	7:27 a. m.	10:08 a. m.	.49	8:55 a. m.	9:10 a. m.	.02	.06	.31	.36	....	....	....	....	....	....	....	....	....	....	....
Dodge City, Kans.[1]	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Wichita, Kans.:																				
May 6	[2] 7:50 p. m.	5:30 a. m.	1.37	1:33 a. m.	2:00 a. m.	.11	.07	.12	.17	.29	0.48	0.53	....	....	....	....	....	....	....	....
May 8	7:50 p. m.	D.N. p. m.	.64	10:12 p. m.	10:22 p. m.	.21	.15	.32	....	....	....	....	....	....	....	....	....	....	....	....
May 29	D.N. a. m.	6:10 a. m.	1.62	1:48 a. m.	2:48 a. m.	.09	.12	.28	.31	.36	.46	.52	0.58	0.76	0.93	1.14	1.38	....	....	....
June 29	6:22 p. m.	D.N. p. m.	.70	6:28 p. m.	6:47 p. m.	.02	.09	.18	.34	.42	....	....	....	....	....	....	....	....	....	....
Aug. 22	7:35 p. m.	[3] D.N. a. m.	3.40	7:52 p. m.	8:57 p. m.	.01	.18	.27	.37	.51	.58	.66	.87	1.00	1.25	1.73	2.55	2.89	....	....
Nov. 6	3:05 p. m.	5:55 p. m.	.95	4:52 p. m.	5:12 p. m.	.14	.30	.56	.69	.76	....	....	....	....	....	....	....	....	....	....
Nov. 7	6:05 a. m.	10:45 a. m.	1.89	8:09 a. m.	8:54 a. m.	.44	.10	.21	.28	.35	.38	.42	.54	.59	.66	....	....	....	....	....
Nov. 7	6:05 a. m.	10:45 a. m.	1.89	9:32 a. m.	9:57 a. m.	1.36	.14	.21	.35	.39	.46	....	....	....	....	....	....	....	....	....
Broken Arrow, Okla.:																				
June 5	6:05 a. m.	9:35 a. m.	.92	6:33 a. m.	6:50 a. m.	.03	.23	.49	.55	.60	....	....	....	....	....	....	....	....	....	....
July 11	D.N. a. m.	8:20 a. m.	1.19	2:49 a. m.	3:04 a. m.	.14	.12	.31	.42	....	....	....	....	....	....	....	....	....	....	....
Aug. 30	6:00 p. m.	[3] D.N. a. m.	1.06	7:26 p. m.	7:41 p. m.	.03	.27	.75	.92	....	....	....	....	....	....	....	....	....	....	....
Sept. 4	D.N. a. m.	6:15 a. m.	2.45	1:33 a. m.	2:39 a. m.	.12	.12	.43	.70	.86	1.03	1.25	1.36	1.49	1.53	1.57	1.75	1.93	....	....
Sept. 25	12:22 p. m.	D.N. p. m.	1.11	7:37 p. m.	7:57 p. m.	.08	.10	.27	.66	.97	....	....	....	....	....	....	....	....	....	....
Nov. 6	6:40 p. m.	[2] 8:15 a. m.	2.26	11:12 p. m.	11:44 p. m.	.42	.29	.67	.85	.98	1.09	1.25	1.32	....	....	....	....	....	....	....
Oklahoma, Okla.:																				
Apr. 5	1:05 a. m.	5:30 a. m.	.96	1:28 a. m.	1:40 a. m.	.03	.15	.34	.40	....	....	....	....	....	....	....	....	....	....	....
May 5	6:15 p. m.	10:10 p. m.	3.62	6:46 p. m.	7:21 p. m.	.08	.10	.44	.66	1.16	1.41	1.57	1.76	....	....	....	....	....	....	....
May 5	6:15 p. m.	10:10 p. m.	3.62	8:00 p. m.	8:35 p. m.	1.90	.41	.52	.70	.93	1.11	1.21	1.31	....	....	....	....	....	....	....
May 11	5:57 a. m.	12:50 p. m.	1.32	12:01 p. m.	12:10 p. m.	.97	.19	.34	....	....	....	....	....	....	....	....	....	....	....	....
May 17	2:20 a. m.	5:33 a. m.	1.03	2:33 a. m.	2:58 a. m.	.05	.16	.34	.46	.54	.64	....	....	....	....	....	....	....	....	....
May 19	7:20 p. m.	11:20 p. m.	1.43	7:56 p. m.	8:41 p. m.	.03	.10	.18	.24	.31	.41	.49	.69	.86	.96	....	....	....	....	....
June 22	2:25 a. m.	5:10 a. m.	.87	2:29 a. m.	2:44 a. m.	.01	.14	.30	.44	....	....	....	....	....	....	....	....	....	....	....
Nov. 6	1:14 p. m.	10:45 p. m.	2.09	7:26 p. m.	8:13 p. m.	.43	.29	.37	.42	.52	.62	.76	.86	1.01	1.31	1.40	....	....	....	....
SOUTHERN SLOPE.																				
Abilene, Tex.:																				
Apr. 5	3:10 p. m.	5:30 p. m.	.88	4:16 p. m.	4:56 p. m.	.18	.11	.25	.26	.27	.33	.39	.55	.62	....	....	....	....	....	....
June 8	2:40 p. m.	3:15 p. m.	.38	2:46 p. m.	2:58 p. m.	.01	.20	.31	.36	....	....	....	....	....	....	....	....	....	....	....
Aug. 23	8:58 p. m.	[2] 5:50 a. m.	2.20	9:13 p. m.	9:26 p. m.	.02	.29	.45	.58	....	....	....	....	....	....	....	....	....	....	....
Aug. 23	8:58 p. m.	[2] 5:50 a. m.	2.20	10:17 p. m.	11:04 p. m.	.72	.09	.31	.45	.56	.63	.77	.88	.99	1.06	1.09	....	....	....	....
Aug. 24	7:05 a. m.	9:40 a. m.	.80	7:23 a. m.	8:07 a. m.	.01	.08	.11	.24	.35	.41	.47	.50	.64	.75	....	....	....	....	....
Oct. 26	2:45 a. m.	7:45 a. m.	1.24	3:08 a. m.	3:33 a. m.	.06	.07	.12	.29	.41	.49	....	....	....	....	....	....	....	....	....
Nov. 7	6:25 a. m.	7:30 a. m.	.77	6:40 a. m.	7:07 a. m.	.10	.09	.15	.23	.34	.62	.66	....	....	....	....	....	....	....	....
Amarillo, Tex.:																				
July 30	7:55 a. m.	8:46 a. m.	.74	8:02 a. m.	8:25 a. m.	T.	[4].05	[4].14	[4].45	[4].62	[4].73	....	....	....	....	....	....	....	....	....
Aug. 7	2:35 p. m.	[3] D.N. a. m.	1.61	4:20 p. m.	4:50 p. m.	.01	.13	.33	.66	.82	.89	.98	....	....	....	....	....	....	....	....
Del Rio, Tex.:																				
May 4	12:00 mid.	8:45 a. m.	1.78	6:56 a. m.	7:54 a. m.	.55	.15	.32	.40	.54	.65	.70	.72	.74	.87	1.00	1.12	....	....	....
June 8	12:15 a. m.	5:20 a. m.	.92	1:48 a. m.	1:58 a. m.	.11	.19	.30	....	....	....	....	....	....	....	....	....	....	....	....
Sept. 5	1:10 p. m.	2:10 p. m.	.76	1:21 p. m.	1:46 p. m.	.02	.13	.27	.50	.62	.69	....	....	....	....	....	....	....	....	....
Oct. 21	6:50 a. m.	[2] 1:50 a. m.	4.16	10:36 a. m.	12:36 p. m.	.59	.11	.22	.33	.41	.62	.74	.81	.86	.89	.92	1.03	1.34	1.85	2.22
Roswell, N. Mex.:																				
Sept. 18	6:53 p. m.	8:27 p. m.	.76	6:59 p. m.	7:32 p. m.	.01	.17	.35	.45	.55	.65	.71	.74	....	....	....	....	....	....	....
SOUTHERN PLATEAU.																				
El Paso, Tex.[1]	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Santa Fe, N. Mex.:																				
July 2	5:15 p. m.	6:20 p. m.	.61	5:25 p. m.	5:58 p. m.	T.	.10	.17	.21	.27	.36	.55	.60	....	....	....	....	....	....	....
July 27	2:53 p. m.	5:15 p. m.	.64	3:26 p. m.	3:36 p. m.	.08	.24	.47	....	....	....	....	....	....	....	....	....	....	....	....
Phoenix, Ariz.:																				
Aug. 4	10:35 p. m.	[2] 12:10 a. m.	.78	10:40 p. m.	11:17 p. m.	.01	.05	.14	.36	.49	.55	.58	.66	.70	....	....	....	....	....	....
Aug. 6	5:50 a. m.	9:35 a. m.	1.92	6:03 a. m.	7:56 a. m.	.05	.22	.29	.31	.38	.44	.50	.57	.60	.70	.83	1.05	1.32	1.58	1.79
Nov. 14	8:19 a. m.	10:05 a. m.	.70	8:25 a. m.	8:52 a. m.	.01	.07	.18	.32	.43	.48	.54	....	....	....	....	....	....	....	....
MIDDLE PLATEAU.																				
Reno, Nev.[1]	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Tonopah, Nev.[1]	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Winnemucca, Nev.[1]	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Modena, Utah[1]	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Salt Lake City, Utah[1]	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Grand Junction, Colo.:																				
Aug. 5	6:01 p. m.	D.N. p. m.	.70	6:13 p. m.	6:33 p. m.	.02	.20	.44	.55	.61	....	....	....	....	....	....	....	....	....	....

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

Accumulated amounts of precipitation for each 5 minutes, for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes, or 0.80 in 1 hour, during 1918, at all stations furnished with self-registering gages—Continued.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Depths 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[1]																				
Lewiston, Idaho:																				
Oct. 13	9:22 p.m.	D.N. p.m.	0.53	9:27 p.m.	9:42 p.m.	0.02	0.21	0.37	0.45											
Pocatello, Idaho[1]																				
Spokane, Wash.[1]																				
Walla Walla, Wash.[1]																				
NORTH PACIFIC COAST REGION.																				
North Head, Wash.[1]																				
Port Angeles, Wash.:																				
Aug. 1	4:00 p.m.	4:35 p.m.	.32	4:06 p.m.	4:14 p.m.	T.	.27	.30												
Seattle, Wash.[1]																				
Tacoma, Wash.[1]																				
Tatoosh Island, Wash.[1]																				
Portland, Oreg.[1]																				
Roseburg, Oreg.[1]																				
MIDDLE PACIFIC COAST REGION.																				
Eureka, Calif.[1]																				
Mount Tamalpais, Calif.:[1]																				
Point Reyes Light, Calif.:																				
Nov. 3	6:10 a.m.	9:20 a.m.	.82	8:11 a.m.	8:27 a.m.	.25	.12	.36	.47	0.51										
Red Bluff, Calif.:																				
				9:46 p.m.	10:36 p.m.	.50	.06	.10	.15	.20	0.29	0.40	0.47	0.52	0.57	0.63				
				10:36 p.m.	11:26 p.m.		.69	.73	.80	.88	.92	1.05	1.20	1.27	1.36	1.47				
Sept. 13–14	1:33 p.m.	D.N. a.m.	6.00	11:26 p.m.	12:16 a.m.		1.56	1.62	1.64	1.71	1.78	1.92	2.05	2.24	2.47	2.66				
				12:16 a.m.	1:06 a.m.		2.78	2.92	3.03	3.19	3.33	3.56	3.65	3.87	4.13	4.38				
				1:06 a.m.	1:46 a.m.		4.54	4.65	4.85	4.99	5.07	5.17	5.36	5.43						
Nov. 3	D.N. a.m.	4:30 p.m.	1.31	9:08 a.m.	9:49 a.m.	.18	.05	.22	.32	.37	.42	.52	.60	.66	.72					
Sacramento, Calif.[1]																				
San Francisco, Calif:																				
Nov. 4	9:18 p.m.	10:35 p.m.	.95	9:37 p.m.	10:07 p.m.	.05	.09	.35	.59	.70	.75	.81								
San Jose, Calif.[1]																				
SOUTH PACIFIC COAST REGION.																				
Fresno, Calif.[1]																				
Los Angeles, Calif.[1]																				
San Diego, Calif.:																				
Nov. 6	4:30 a.m.	5:50 a.m.	.40	4:32 a.m.	4:45 a.m.	.01	.19	.30	.35											
Dec. 7	5:20 p.m.	6:25 p.m.	.56	5:25 p.m.	5:40 p.m.	T.	.29	.38	.43											
San Luis Obispo, Calif.[1]																				
ISLAND POSSESSIONS.																				
Honolulu, Hawaii:																				
Jan. 15	D.N. a.m.	D.N. a.m.	1.57	3:09 a.m.	4:13 a.m.	.11	.23	.48	.67	.83	.91	.97	1.05	1.08	1.11	1.17	1.31	1.41		
Feb. 19	D.N. a.m.	7:23 a.m.	.70	12:37 a.m.	12:53 a.m.	.03	.15	.33	.41	.44										
Mar. 10	[2]3:45 p.m.	9:48 a.m.	1.26	3:38 a.m.	4:12 a.m.	.38	.12	.15	.19	.23	.37	.53	.59							
Mar. 16	5:12 p.m.	[3]D.N. a.m.	1.13	8:13 p.m.	8:36 p.m.	.06	.08	.35	.50	.53	.60									
Apr. 19	[2]6:40 p.m.	11:32 a.m.	3.79	2:00 a.m.	2:39 a.m.	.07	.06	.31	.41	.50	.63	.66	.72	.86						
Apr. 19	[2]6:40 p.m.	11:32 a.m.	3.79	4:55 a.m.	6:04 a.m.	1.27	.11	.26	.45	.52	.72	.88	1.01	1.08	1.20	1.32	1.50	1.74		
Aug. 16	6:40 p.m.	[3]D. N. a.m.	1.04	9:33 p.m.	9:57 p.m.	.08	.09	.21	.40	.61	.72									
Aug. 21	4:23 p.m.	5:30 p.m.	.45	4:46 p.m.	5:01 p.m.	.02	.13	.28	.42											
Nov. 25	[2]8:00 p.m.	7:37 a.m.	2.30	5:13 a.m.	5:45 a.m.	1.47	.11	.34	.37	.42	.56	.61	.67							
Nov. 25	5:19 p.m.	[3]D. N. a.m.	2.30	10:07 p.m.	10:31 p.m.	.87	.08	.24	.37	.53	.61									
San Juan, P. R.:																				
Feb. 23	6:50 p.m.	[2]1:15 a.m.	4.41	7:56 p.m.	9:05 p.m.	.27	.05	.20	.45	.54	.69	.83	.97	1.24	1.57	1.79	1.96	2.16		
Feb. 23	6:50 p.m.	[2]1:15 a.m.	4.41	10:03 p.m.	10:52 p.m.	2.50	.16	.40	.64	.84	.99	1.07	1.12	1.18	1.20	1.29				
May 14–15	11:10 p.m.	1:30 a.m.	1.49	11:26 p.m.	12:24 a.m.	.04	.19	.41	.60	.70	.76	.81	.93	.98	1.07	1.20	1.31			
June 15	5:30 p.m.	6:35 p.m.	1.19	5:38 p.m.	6:20 p.m.	.03	.26	.55	.61	.79	.87	.91	.95	1.10	1.16					
July 4	3:20 a.m.	4:00 a.m.	.38	3:24 a.m.	3:34 a.m.	.01	.20	.30												
July 10	7:57 p.m.	8:40 p.m.	.50	8:00 p.m.	8:14 p.m.	.01	.21	.33	.47											
July 28	10:45 a.m.	12:14 p.m.	.67	11:20 a.m.	11:52 a.m.	.06	.08	.13	.25	.27	.35	.56	.60							
July 28	2:25 p.m.	4:40 p.m.	.82	3:20 p.m.	3:30 p.m.	.35	.19	.32												
Aug. 17	4:03 p.m.	4:35 p.m.	.67	4:10 p.m.	4:28 p.m.	.01	.09	.35	.61	.65										
Aug. 28	12:50 a.m.	3:00 a.m.	.48	1:02 a.m.	1:12 a.m.	.05	.22	.34												
Sept. 11	3:00 a.m.	4:45 p.m.	2.21	3:59 a.m.	4:14 a.m.	.14	.19	.29	.35											
Sept. 29	1:40 a.m.	2:15 a.m.	.44	1:45 a.m.	2:00 a.m.	.01	.20	.34	.42											
Oct. 12	11:10 a.m.	3:40 p.m.	.65	11:18 a.m.	11:32 a.m.	.01	.34	.49	.54											
Oct. 24[4]	1:00 p.m.	2:57 p.m.	3.30	1:20 p.m.	2:12 p.m.	.03	.09	.30	.60	.90	1.20	1.55	1.90	2.25	2.60	2.90	2.98			
Oct. 27	11:35 a.m.	12:40 p.m.	.41	11:53 a.m.	12:07 p.m.	.04	.12	.32	.34											
Nov. 4	1:58 p.m.	2:40 p.m.	.59	2:00 p.m.	2:17 p.m.	.01	.15	.33	.49	.55										
Dec. 13	1:36 p.m.	2:35 p.m.	.40	1:36 p.m.	1:51 p.m.	0	.11	.27	.38											

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

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PART III.

MONTHLY AND ANNUAL METEOROLOGICAL SUMMARIES FOR TWO HUNDRED AND THIRTEEN STATIONS DURING 1918

EXPLANATION OF THE TABLES.

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

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

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

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

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

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

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

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

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

The extremes are determined from the barograph trace.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Temperature.—The temperature of the air at 8 a. m. and 8 p. m., seventy-fifth meridian time, and at noon, local 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., noon, local time, 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, normal standard time. 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 is 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, and at noon, local time, on a scale of 0–10. These 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 were 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 prevailed for at least an hour, and 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, or when the station was established, if it was established since January 1, 1900, that being the elevation to which all previous readings have been reduced. It is designated as the "station, or adopted, elevation." At stations where a change has been made in the elevation of the barometer since January 1, 1900, a corresponding correction has been applied to the observed reading, thereby reducing all values to the "station, or adopted, elevation." The actual elevation and the station, or adopted, elevation are identical, except at stations where the barometer has been moved since January 1, 1900. h_t=height of thermometer above ground; h_r=height of rain gage above ground; h_a=height of anemometer above ground.

Annual meteorological summary for the year ending December 31, 1918.

ABILENE, TEX.

[ϕ=32° 23′ N.; λ=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.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	28.154	28.540	27.700	29.1	42.9	40.3	49.7	23.4	36.6	75	1	20	20	22	68	43	51	0.110	0.113	0.124	0.91	0.62	3.1	3.6	3.6	3.8
February	28.246	28.755	27.590	41.4	58.2	57.0	64.9	37.8	51.4	91	9	25	25	25	53	30	31	.154	.148	.146	.11	.11	4.5	4.5	4.3	4.7
March	28.192	28.685	27.770	50.1	68.3	67.9	74.7	48.0	61.4	93	32	33	30	28	54	28	28	.202	.180	.169	.98	.89	4.9	5.1	5.2	5.4
April	28.087	28.612	27.630	54.0	72.8	69.7	77.9	50.7	64.3	96	35	40	36	31	62	30	29	.273	.235	.191	1.06	.88	5.0	4.4	4.3	4.7
May	28.116	28.500	27.685	65.6	80.4	82.0	86.3	63.4	74.8	99	46	56	50	46	72	40	34	.477	.402	.340	2.88	2.10	5.4	5.3	4.4	5.0
June	28.128	28.410	27.859	75.4	92.3	89.5	96.5	71.4	84.0	108	61	64	60	58	68	36	39	.591	.526	.499	1.56	1.06	4.1	3.8	4.8	4.3
July	28.177	28.360	28.038	77.2	94.3	93.2	99.2	75.0	87.1	106	68	60	55	51	56	28	25	.518	.444	.386	.42	.37	3.4	3.8	2.8	3.2
August	28.159	28.330	27.993	76.1	93.5	93.2	97.6	74.3	86.0	102	65	60	56	52	59	30	26	.527	.463	.395	3.00	3.00	1.7	2.9	2.2	2.3
September	28.228	28.543	27.920	62.3	80.3	77.0	84.7	59.8	72.2	100	42	50	48	47	65	36	40	.376	.349	.346	.76	.33	4.3	3.0	4.1	3.7
October	28.192	28.540	27.710	57.3	73.3	69.6	78.0	56.4	67.2	93	39	50	51	50	80	49	54	.384	.399	.382	3.66	1.25	3.7	5.0	4.3	4.4
November	28.247	28.590	27.770	44.5	56.2	52.4	58.8	42.4	50.6	81	23	38	38	39	78	55	62	.252	.257	.263	1.98	.83	5.0	6.0	4.8	5.4
December	28.249	28.520	27.960	38.6	52.0	47.8	55.9	36.0	46.0	76	19	32	34	36	79	53	65	.194	.204	.221	2.52	.81	4.7	4.7	3.9	4.6
Year	28.181	28.755	27.590	56.0	72.0	70.0	77.0	53.2	65.1	108	1	44	42	40	66	38	40	.338	.310	.288	19.84	3.00	4.2	4.3	4.1	4.3

ALBANY, N. Y.

[ϕ=42° 39′ N.; λ=73° 45′ W.]

January	29.79	30.45	28.830	11.0	17.4	15.4	21.9	6.1	14.0	47	−11	8	9	8	86	67	69	0.068	0.070	0.063	2.57	0.96	6.1	4.5	3.7	5.3
February	29.951	30.63	28.750	19.0	24.6	24.2	32.4	11.7	22.0	52	−15	14	16	16	81	67	70	.097	.100	.100	1.35	.66	6.1	5.2	4.9	5.7
March	29.877	30.40	29.300	30.3	38.7	37.1	45.9	24.5	35.2	69	8	25	27	24	78	63	60	.136	.149	.137	1.89	.77	4.6	3.7	3.8	3.9
April	29.945	30.387	29.473	41.2	51.1	49.4	56.9	36.4	46.6	74	24	33	32	32	72	58	55	.195	.218	.190	2.48	.61	5.3	4.9	6.2	5.1
May	29.925	30.328	29.290	59.8	68.8	66.2	73.7	53.1	63.4	85	39	49	51	51	69	56	61	.367	.393	.397	2.78	.92	4.0	4.1	6.0	4.6
June	29.818	30.177	29.120	61.8	70.7	66.9	74.4	55.0	64.7	94	43	52	52	53	71	54	64	.402	.413	.420	2.30	.83	4.4	3.4	4.7	4.3
July	29.865	30.121	29.607	68.2	76.8	73.7	81.2	62.6	71.9	99	48	61	61	61	77	60	67	.538	.547	.549	1.59	.87	5.2	4.4	4.3	5.2
August	29.919	30.395	29.642	67.9	78.4	74.6	83.5	61.6	72.6	102	49	59	59	62	74	54	66	.523	.533	.578	3.42	1.35	3.7	3.2	3.8	4.0
September	29.928	30.325	29.500	54.9	63.2	60.3	67.5	50.5	59.0	82	38	50	50	50	83	65	70	.366	.372	.365	5.37	2.35	6.5	5.9	5.2	6.6
October	30.004	30.484	29.420	49.3	58.9	54.5	63.4	44.6	54.0	78	32	44	45	45	82	62	72	.299	.317	.318	1.67	.54	5.1	4.5	3.5	5.5
November	29.916	30.500	29.007	39.3	45.1	42.9	48.7	35.9	42.3	63	18	32	34	33	76	65	68	.191	.202	.194	2.54	1.68	6.3	6.1	5.1	6.7
December	30.024	30.650	29.400	29.1	34.0	33.4	38.6	25.7	32.2	53	7	24	26	26	82	72	72	.136	.147	.150	2.16	.70	6.7	6.6	4.9	7.2
Year	29.914	30.650	28.750	44.3	52.3	49.9	57.3	39.0	48.2	102	−15	38	39	38	78	62	66	.276	.288	.288	30.12	2.35	5.3	4.7	4.7	5.3

ALPENA, MICH.

[ϕ=45° 05′ N.; λ=83° 30′ W.]

January	29.182	29.810	28.060	6.2	12.9	10.1	15.8	−0.7	8.2	25	−17	4	8	7	88	80	84	0.051	0.061	0.058	1.41	0.46	8.4	6.4	6.6	6.5
February	29.291	30.060	28.200	11.4	19.0	17.0	23.7	3.8	13.8	49	−24	8	12	13	87	74	85	.076	.085	.088	.92	.24	7.2	5.2	5.5	5.9
March	29.356	29.857	28.692	25.6	35.0	32.6	39.2	20.7	30.0	70	0	20	22	24	77	59	69	.109	.120	.129	.87	.52	5.4	4.5	4.8	4.9
April	29.392	30.110	28.710	35.9	41.9	38.6	45.9	30.2	38.0	65	13	27	25	26	70	54	61	.156	.141	.146	2.00	.67	4.4	4.7	4.6	4.9
May	29.325	29.777	28.480	50.0	55.1	51.0	61.8	42.1	52.0	83	30	43	44	43	77	70	75	.290	.307	.289	4.49	1.71	6.0	6.3	5.9	6.5
June	29.278	29.640	28.700	57.1	63.9	61.2	68.4	49.0	58.7	86	36	46	46	47	67	55	61	.325	.317	.330	3.00	1.90	4.9	4.9	5.2	5.0
July	29.359	29.573	28.820	63.9	69.7	66.6	74.8	54.5	64.6	98	42	55	55	55	74	63	68	.450	.454	.455	.73	.56	4.4	4.0	3.7	5.0
August	29.365	29.820	29.070	64.6	71.2	66.5	74.3	56.5	65.4	98	46	58	57	57	79	63	72	.487	.480	.471	3.17	1.20	4.4	4.9	3.2	5.3
September	29.367	29.930	28.880	49.2	58.6	53.0	61.3	42.7	52.0	80	30	42	43	44	79	59	73	.285	.292	.302	2.18	.92	6.0	6.5	5.0	6.7
October	29.374	29.841	28.780	45.9	53.3	49.1	56.5	41.2	48.8	78	31	42	43	42	85	70	81	.268	.281	.283	3.73	1.98	7.2	5.6	5.3	6.7
November	29.286	29.780	28.420	37.0	42.1	39.0	44.1	33.6	38.8	60	17	33	33	33	86	71	79	.196	.198	.197	3.20	.79	8.0	8.0	6.4	7.8
December	29.376	29.950	28.900	28.0	31.8	30.0	34.4	25.6	30.0	51	4	26	26	27	90	80	86	.143	.147	.147	3.20	.65	8.4	8.0	7.6	8.1
Year	29.329	30.110	28.060	39.6	46.2	42.9	50.0	33.4	41.7	98	−24	34	34	35	80	66	74	.236	.240	.241	28.90	1.98	6.2	5.8	5.3	6.1

AMARILLO, TEX.

[ϕ=35° 13′ N.; λ=101° 50′ W.]

January	26.165	26.540	25.731	29.7	32.7	32.8	44.4	17.0	30.7	74	− 8	16	21	22	81	64	65	0.096	0.120	0.121	1.01	0.48	4.6	4.0	4.4	3.7
February	26.260	26.770	25.720	32.0	48.7	50.4	60.8	27.2	44.0	82	0	23	26	24	68	46	37	.127	.145	.132	.26	.26	2.9	2.9	3.5	2.4
March	26.257	26.750	25.880	40.5	59.9	60.7	67.4	37.7	52.6	83	23	27	27	26	61	33	32	.148	.152	.149	1.06	.96	4.3	3.8	3.7	3.2
April	26.184	26.720	25.720	41.2	55.9	60.3	67.5	38.9	53.2	87	31	33	34	28	73	48	34	.189	.198	.158	.48	.31	5.2	5.1	3.8	3.8
May	26.191	26.540	25.900	57.7	72.8	74.7	81.5	53.5	67.5	93	35	45	48	39	65	44	36	.322	.342	.254	2.23	.81	3.9	3.9	4.9	3.8
June	26.289	26.550	26.020	67.7	81.6	83.8	90.4	64.2	77.3	106	54	57	57	52	69	46	37	.486	.472	.398	1.44	1.26	3.4	2.9	3.4	3.6
July	26.338	26.550	26.172	68.5	83.1	84.0	91.2	65.4	78.3	99	58	59	59	55	72	46	40	.501	.499	.444	2.23	.77	4.0	3.2	5.2	4.1
August	26.314	26.490	26.122	67.3	83.1	82.2	91.0	65.0	78.0	98	55	55	56	55	68	42	43	.451	.458	.438	2.36	1.66	3.2	2.6	4.3	3.6
September	26.355	26.600	26.010	54.5	69.0	69.8	78.5	52.2	65.4	99	37	47	48	48	76	52	50	.330	.339	.341	.64	.32	4.0	3.8	3.7	3.9
October	26.297	26.590	25.670	50.5	64.5	62.8	72.0	48.0	60.0	92	26	42	44	44	75	54	56	.282	.309	.298	2.47	1.42	4.8	4.2	4.4	4.7
November	26.280	26.620	25.740	34.4	47.0	44.2	52.7	32.5	42.6	78	16	30	34	32	82	62	63	.179	.214	.203	1.16	.86	4.0	3.7	3.1	3.7
December	26.278	26.570	25.890	26.5	36.7	33.5	41.9	22.8	32.4	64	− 2	22	26	24	81	68	71	.121	.150	.138	2.78	.86	3.0	4.1	3.3	3.7
Year	26.267	26.770	25.670	46.8	61.2	61.6	69.9	43.7	56.8	106	− 8	38	40	37	73	50	47	.268	.283	.256	18.12	1.65	3.9	3.7	4.0	3.7

Annual meteorological summary for the year ending December 31, 1918—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	11.6	SW.	43	SW.	2	15	6	0	5	7	13	7	9	0	15	9	7	6	3	7	5	1	0	6	0	26	0	0
February	12.9	SW.	44	SW.	1	8	4	5	3	16	10	4	6	0	12	7	9	1	1	0	0	0	0	1	1	9	0	0
March	11.1	SW.	35	NW.	0	7	8	1	3	10	20	6	6	1	12	4	15	3	3	0	0	0	0	0	3	1	2	1
April	12.5	SW.	39	NE.	0	12	7	4	9	16	9	1	2	0	14	9	7	4	3	0	0	1	0	0	5	0	4	0
May	14.4	S.	32	S.	0	3	0	0	16	31	7	3	2	0	11	12	8	4	3	0	0	0	0	0	15	0	3	0
June	8.6	S.	31	NE.	0	0	4	4	15	24	7	1	5	0	15	9	6	6	5	0	0	0	0	0	25	0	13	0
July	10.3	SE.	31	SE.	0	2	5	7	17	26	4	0	1	0	16	15	0	3	1	0	0	0	0	0	31	0	4	0
August	9.9	S.	40	SW.	1	0	3	3	15	33	6	0	2	0	23	7	1	2	2	0	0	0	0	0	30	0	4	0
September	9.6	S.	30	S.	0	8	11	3	13	14	7	2	2	0	17	5	8	7	4	0	0	0	0	0	11	0	2	0
October	7.8	S.	37	SW.	0	6	6	6	11	14	7	3	8	1	15	7	9	7	6	0	0	0	0	0	3	0	6	0
November	10.9	S.	39	W.	0	6	6	2	10	18	5	6	7	0	11	6	13	6	5	6	3	0	0	1	0	8	2	0
December	10.0	SW.	34	S.	0	6	5	3	3	13	15	4	13	0	14	5	12	8	7	1	1	0	0	1	0	10	3	0
Year	10.8	S.	44	SW.	4	73	65	38	120	222	110	37	63	2	175	95	95	57	43	14	9	2	0	9	124	54	43	1

ALBANY, N. Y.

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

January	7.0	NW.	30	S.	0	17	10	0	3	15	4	2	11	0	13	6	12	9	6	19	8	0	2	29	0	31	0	0
February	9.1	S.	48	S.	1	2	1	1	1	26	6	1	18	0	10	5	13	11	8	15	5	0	1	15	0	27	0	0
March	7.9	NW.	29	S.	0	13	5	1	1	20	0	0	22	0	19	6	6	7	6	12	6	0	1	3	0	26	2	1
April	8.0	S.	33	S.	0	24	4	1	0	16	5	1	9	0	14	4	12	13	13	5	4	0	1	0	0	11	0	1
May	8.8	S.	37	S.	0	9	1	1	1	25	8	3	14	0	12	12	7	15	10	0	0	0	0	0	0	0	8	0
June	7.9	NW.	36	S.	0	5	7	3	6	16	4	2	17	0	15	10	5	8	7	0	0	0	0	0	1	0	2	0
July	6.8	S.	28	S.	0	6	4	2	7	23	8	0	12	0	10	12	9	9	7	0	0	0	0	2	0	6	0	11
August	7.0	S.	33	S.	0	11	5	2	0	28	7	5	4	0	15	9	7	10	9	0	0	0	0	1	0	7	0	9
September	6.7	S.	32	S.	0	9	4	1	5	23	6	2	10	0	5	10	15	16	11	0	0	0	0	3	0	0	0	1
October	7.6	S.	37	S.	0	8	5	2	8	19	10	1	9	0	11	11	9	9	8	0	0	0	0	0	0	0	3	2
November	6.6	S.	32	S.	0	7	4	0	1	23	7	3	15	0	5	8	17	8	7	5	0	0	0	0	0	7	1	0
December	7.5	S.	28	NE.	0	12	6	1	2	20	3	2	16	0	6	7	18	10	8	11	3	0	3	5	0	24	0	0
Year	7.5	S.	48	S.	1	123	56	15	35	254	68	22	157	0	135	100	130	125	100	67	26	0	23	52	14	126	37	6

ALPENA, MICH.

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

January	11.6	NW.	35	E.	0	5	6	2	3	10	12	11	13	0	3	15	13	13	8	22	13	0	1	31	0	31	0	0
February	12.1	NW.	54	NW.	2	5	3	4	3	4	12	10	15	0	6	12	10	9	5	19	8	0	1	20	0	28	0	1
March	12.1	NW.	44	NW.	3	8	7	4	6	4	12	8	13	0	12	10	9	7	5	11	6	0	1	8	0	29	1	1
April	12.1	SE.	38	SE.	0	6	9	8	11	1	6	6	13	0	14	6	10	9	8	6	3	0	2	1	0	18	2	0
May	12.0	SE.	37	SE.	0	4	5	1	24	5	5	5	13	0	6	12	13	13	10	0	0	1	0	9	0	3	7	3
June	12.1	NW.	40	N.	2	4	4	6	9	8	5	7	19	0	11	12	7	7	5	0	0	1	0	0	0	0	5	1
July	9.5	NW.	44	NW.	1	8	2	2	11	4	7	9	19	0	10	13	8	5	4	0	0	0	0	0	2	0	7	0
August	9.3	SE.	37	NW.	0	7	7	7	15	4	4	4	14	0	10	14	7	11	9	0	0	0	0	5	0	2	8	5
September	10.7	NW.	46	SE.	2	3	4	3	5	3	9	13	20	0	3	15	12	10	7	1	0	0	1	0	0	1	2	2
October	11.5	SE.	38	S.	0	4	8	2	15	5	10	10	8	0	5	11	15	13	8	0	0	1	4	0	0	1	1	0
November	12.4	W.	37	SE.	0	5	1	3	9	7	9	18	8	0	2	9	19	14	8	6	2	0	3	2	0	15	1	0
December	11.6	W.	42	SE.	1	3	5	7	9	10	5	15	8	0	2	9	20	14	13	16	10	0	5	12	0	22	0	0
Year	11.4	NW	54	NW.	11	62	61	49	120	63	96	116	163	0	84	138	143	125	90	81	42	3	32	74	4	148	34	1

AMARILLO, TEX.

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

January	11.2	N.	40	N.	1	14	4	0	6	4	6	11	17	0	24	3	4	7	3	7	7	0	0	8	0	26	0	0
February	12.8	SW.	42	N.	1	6	2	3	6	9	16	9	5	0	24	4	0	1	1	1	0	0	0	0	0	17	0	0
March	10.9	SW.	39	SW.	0	8	2	3	6	6	19	11	6	0	20	9	2	5	3	0	0	0	0	0	0	6	1	1
April	11.4	SE.	37	N.	0	13	3	7	9	9	7	4	8	0	16	11	3	4	2	2	1	0	0	0	0	3	2	0
May	12.0	S.	32	W.	0	2	0	2	14	21	14	5	4	0	19	8	4	9	9	0	0	2	0	0	0	8	0	0
June	9.3	S.	26	SW.	0	3	9	5	14	15	8	4	2	0	16	11	3	8	3	0	0	0	0	0	17	0	6	0
July	10.5	S.	44	S.	1	5	3	7	17	23	3	3	1	0	13	16	2	9	6	0	0	0	0	0	20	0	9	0
August	10.6	S.	38	S.	0	3	1	2	15	35	4	0	2	0	17	13	1	8	6	0	0	0	0	0	19	0	11	0
September	11.4	S.	31	SW.	0	10	9	2	4	19	7	3	6	0	17	8	7	7	5	0	0	0	1	0	4	0	5	0
October	10.2	S.	37	N.	0	10	3	3	13	14	5	6	8	0	14	8	9	11	6	2	2	1	0	0	1	3	4	0
November	10.9	S.	33	N.	0	9	5	3	6	13	6	6	12	0	15	9	6	8	6	5	5	0	0	7	0	12	0	0
December	11.0	NW.	36	SW.	0	10	0	1	1	7	14	10	19	0	18	5	8	9	9	7	7	0	0	10	0	25	0	0
Year	11.0	S.	44	S.	3	93	42	38	111	175	109	72	90	0	213	103	49	84	59	24	22	3	1	25	68	92	46	1

Annual meteorological summary for the year ending December 31, 1918—Continued.

ANNISTON, ALA.

[ϕ=33° 39′ N.; λ=85° 50′ W.]

Month.	Pressure.			Temperature.								Moisture.														
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	29.222	29.530	28.350	32.2	39.7	36.8	44.7	27.5	36.1	70	3	27	31	....	81	72	....	0.170	0.194	.....	8.59	3.37	6.6	6.8	5.4	5.8
February	29.380	29.840	28.890	45.4	56.0	53.0	62.8	40.7	51.8	81	20	39	40	....	79	59	....	.262	.275	.....	1.91	.45	5.6	5.4	3.9	5.1
March	29.294	29.670	28.990	52.5	66.4	62.6	72.5	49.6	61.0	83	35	44	45	....	75	49	....	.311	.327	.....	.68	.40	6.3	4.1	4.3	4.4
April	29.184	29.380	29.020	54.6	64.5	60.5	68.7	49.2	59.0	82	30	48	49	....	79	61	....	.350	.373	.....	8.33	2.20	6.2	6.1	4.6	6.0
May	29.356	29.660	29.100	68.0	79.7	71.9	83.5	58.8	71.2	94	39	60	59	....	75	51	....	.523	.529	.....	1.20	1.11	3.2	3.2	2.5	3.1
June	29.197	29.384	28.920	74.4	84.9	76.3	88.9	65.8	77.4	99	54	66	66	....	77	55	....	.653	.652	.....	5.08	1.42	4.3	3.3	5.5	4.3
July	29.272	29.471	29.050	73.0	83.5	76.6	87.3	64.2	75.8	95	53	64	62	....	75	52	....	.609	.583	.....	6.69	1.93	4.8	3.4	4.9	4.5
August	29.315	29.510	29.160	74.6	85.5	76.8	89.7	67.2	78.4	97	54	68	68	....	80	57	....	.685	.692	.....	2.71	.81	3.9	2.9	3.1	3.4
September	29.274	29.560	29.070	63.5	76.0	65.0	79.4	56.6	68.0	89	38	58	58	....	83	57	....	.499	.494	.....	7.71	2.53	4.9	3.7	4.3	4.1
October	29.290	29.540	29.030	62.3	71.7	64.1	75.3	57.1	68.2	86	41	57	57	....	84	64	....	.476	.485	.....	8.65	4.43	4.0	5.4	4.9	5.9
November	29.328	29.610	28.900	44.3	58.6	48.8	61.6	40.2	50.9	74	31	39	40	....	83	53	....	.247	.257	.....	3.87	1.34	3.8	4.3	4.4	4.2
December	29.343	29.650	28.910	43.8	54.1	48.3	57.7	40.1	48.9	73	20	39	41	....	83	64	....	.267	.286	.....	5.51	2.22	7.0	6.3	5.2	6.2
Year	29.288	29.840	28.350	57.4	68.4	61.7	72.7	51.4	62.1	99	3	51	52	....	80	58	....	.421	.429	.....	60.93	4.43	5.0	4.6	4.4	4.8

ASHEVILLE, N. C.

[ϕ=35° 36′ N.; λ=82° 32′ W.]

January	27.511	27.890	26.720	24.4	31.3	29.9	37.2	20.5	28.8	58	−2	21	22	23	85	70	75	0.121	0.128	0.134	4.56	1.44	6.2	5.7	4.8	6.3
February	27.758	28.200	27.110	36.1	49.6	47.1	56.3	32.5	44.4	77	9	28	31	32	74	52	59	.167	.191	.203	1.98	.86	4.5	5.3	4.0	5.0
March	27.713	28.140	27.370	44.9	57.2	54.7	63.5	41.9	52.7	77	25	38	38	38	78	52	56	.240	.245	.245	2.25	.92	5.7	5.5	5.3	5.4
April	27.643	27.910	27.390	48.0	57.5	54.0	61.6	43.4	52.5	79	28	42	42	41	80	59	66	.276	.279	.272	2.74	.81	6.9	8.0	6.8	6.8
May	27.822	28.090	27.530	59.3	73.7	67.8	77.5	54.1	65.8	89	33	54	50	54	82	46	64	.427	.392	.437	4.38	1.49	5.5	6.0	5.6	5.4
June	27.678	27.903	27.380	64.8	74.0	70.4	78.9	60.2	69.6	90	48	59	59	60	83	61	71	.511	.501	.523	6.53	2.18	6.1	6.0	6.3	5.6
July	27.755	27.970	27.490	63.1	75.8	70.5	79.3	58.5	68.9	87	51	59	57	59	87	54	70	.507	.478	.513	2.74	.88	5.8	5.5	6.4	5.6
August	27.807	28.055	27.640	65.6	80.1	72.7	83.3	62.4	72.8	95	49	63	63	64	91	57	76	.579	.585	.608	5.07	2.27	4.5	4.4	4.9	5.1
September	27.759	28.030	27.580	54.2	68.1	62.2	71.5	51.1	61.3	82	35	52	50	54	91	55	74	.362	.377	.420	3.00	1.00	4.0	5.5	5.0	5.5
October	27.800	28.044	27.410	52.9	65.5	60.5	68.7	49.5	59.1	79	36	48	48	50	86	57	71	.355	.353	.383	11.32	7.92	5.9	5.8	5.0	6.0
November	27.740	28.090	27.260	39.0	51.7	47.6	55.8	36.6	46.2	72	28	34	35	35	85	56	62	.205	.214	.207	1.78	.97	4.9	4.3	3.7	4.3
December	27.753	28.170	27.300	39.1	47.5	45.6	51.3	35.9	43.6	68	18	34	34	35	82	62	68	.208	.218	.221	4.73	1.85	6.3	6.1	6.5	6.7
Year	27.728	28.200	26.720	49.3	61.0	56.9	65.4	45.6	55.5	95	−2	44	44	45	84	57	68	.332	.330	.347	51.08	7.92	5.5	5.7	5.4	5.6

ATLANTA, GA.

[ϕ=33° 45′ N.; λ=84° 23′ W.]

January	28.700	29.010	27.849	30.4	36.8	37.5	42.0	27.5	34.8	68	4	26	29	29	83	73	71	0.160	0.175	0.177	9.12	3.16	5.5	6.3	5.0	6.8
February	28.913	29.310	28.400	44.2	53.6	54.3	60.4	41.3	50.8	76	16	37	38	39	76	59	59	.244	.257	.262	1.82	.54	5.9	4.4	4.1	5.6
March	28.831	29.290	28.530	52.3	62.4	62.6	68.7	49.7	59.2	80	37	42	44	44	71	54	53	.290	.305	.306	.89	.28	6.3	4.7	2.3	4.7
April	28.742	28.990	28.572	53.1	61.6	61.1	66.2	49.6	57.9	80	31	47	49	49	81	66	68	.343	.364	.371	6.98	2.51	6.9	7.6	5.5	7.0
May	28.907	29.200	28.673	66.4	77.1	76.2	81.9	62.6	72.2	94	44	57	56	56	72	50	51	.480	.465	.461	1.73	1.28	4.3	4.3	3.3	4.3
June	28.756	28.950	28.524	72.0	81.9	77.6	86.1	67.4	76.8	95	60	64	63	63	77	54	64	.604	.576	.590	3.31	.83	5.7	5.5	5.8	5.5
July	28.826	29.034	28.624	71.6	81.8	78.5	85.4	67.7	76.6	94	59	62	61	62	78	52	60	.567	.552	.566	2.47	.78	4.9	5.6	5.3	6.1
August	28.877	29.081	28.756	73.8	84.0	79.9	87.7	70.0	78.8	95	61	65	66	66	78	57	66	.626	.647	.654	4.20	1.58	4.0	4.5	4.2	4.8
September	28.832	29.140	28.662	62.7	73.1	70.8	76.6	59.8	68.2	86	43	57	57	58	82	60	66	.476	.485	.488	3.57	1.52	5.0	5.1	4.0	5.2
October	28.867	29.110	28.550	60.5	70.2	67.4	73.5	58.2	65.8	84	47	55	56	55	82	64	66	.443	.475	.459	4.04	1.72	6.7	6.6	3.9	6.7
November	28.864	29.210	28.500	46.2	56.5	54.0	59.8	43.5	51.6	71	33	39	42	42	79	60	64	.252	.271	.268	3.68	1.88	4.2	4.3	3.5	4.3
December	28.887	29.250	28.462	44.3	51.0	50.0	54.6	41.7	48.2	67	23	40	40	41	84	70	73	.271	.276	.280	5.46	2.76	6.0	6.4	4.5	6.4
Year	28.834	29.310	27.849	56.5	65.8	64.1	70.2	53.2	61.7	95	4	49	50	50	78	60	63	.396	.404	.406	47:27	3.16	5.4	5.4	4.3	5.6

ATLANTIC CITY, N. J.

[ϕ=39° 22′ N.; λ=74° 25′ W.]

January	29.861	30.390	28.900	21.7	27.1	24.5	30.9	17.8	24.4	51	0	16	18	17	79	64	71	0.101	0.101	0.097	4.34	1.24	7.1	5.3	4.8	5.8
February	30.060	30.688	29.090	29.4	34.2	31.7	39.3	24.1	31.7	62	−4	23	24	26	78	67	78	.140	.146	.151	1.34	.43	6.2	4.5	4.4	5.0
March	29.962	30.586	29.423	38.5	45.0	40.9	49.0	33.4	41.2	76	18	32	34	33	79	68	75	.191	.210	.197	2.36	.75	4.6	4.6	3.0	4.8
April	29.963	30.500	29.550	47.3	49.6	46.5	53.7	41.3	47.5	77	32	40	41	41	79	74	83	.260	.263	.262	4.53	1.43	5.9	6.3	6.6	6.4
May	30.033	30.390	29.510	59.5	63.6	59.4	67.8	53.8	60.8	83	40	53	55	54	82	75	83	.417	.427	.422	3.81	1.66	5.6	6.1	5.3	7.5
June	29.898	30.210	29.350	64.8	67.6	65.3	71.3	59.3	65.3	91	50	56	58	57	76	73	76	.469	.490	.472	1.94	1.02	6.0	5.8	5.1	5.1
July	29.944	30.174	29.740	72.2	74.5	70.9	78.0	66.0	72.0	85	55	63	64	64	75	72	81	.599	.614	.615	1.84	1.26	3.2	3.9	5.2	3.8
August	29.993	30.372	29.720	73.6	77.9	74.0	80.0	69.5	74.8	104	57	66	68	67	79	72	80	.659	.692	.672	1.38	.50	5.2	3.5	4.0	4.1
September	29.993	30.313	29.739	64.6	70.5	65.7	72.7	58.2	65.4	81	46	58	59	57	79	67	75	.498	.507	.481	2.66	.79	4.4	4.4	2.8	4.2
October	30.076	30.480	29.580	57.8	63.0	59.9	66.1	52.9	59.5	78	40	52	52	52	81	70	77	.398	.414	.407	1.43	.55	5.4	4.5	3.3	4.5
November	30.010	30.450	29.150	43.7	51.7	47.0	53.4	39.7	46.6	62	27	38	38	38	78	61	73	.227	.245	.251	.49	.22	4.8	5.1	2.5	4.7
December	30.075	30.640	29.530	39.1	44.4	41.6	47.1	34.9	41.0	62	23	34	36	34	83	72	76	.207	.219	.212	4.02	1.04	5.5	6.2	4.2	5.8
Year	29.989	30.688	28.900	51.0	55.8	52.3	59.1	45.9	52.5	104	−4	44	46	45	79	70	77	.348	.362	.353	30.14	1.66	5.3	5.0	4.4	5.0

Annual meteorological summary for the year ending December 31, 1918—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	7.4	W.	37	NW.	0	4	1	0	12	10	3	17	14	1	9	10	12	13	12	5	2	0	0	4	0	23	4	0
February	7.1	S.	27	NW.	0	10	0	1	9	13	7	3	12	1	9	10	9	13	9	0	0	0	2	0	0	8	1	0
March	7.1	SE.	30	SE.	0	8	0	4	14	9	10	5	9	3	15	10	6	7	3	0	0	0	0	0	0	0	2	0
April	6.7	SE.	24	N.	0	5	0	5	17	7	9	3	12	2	7	13	10	12	10	1	0	1	1	0	0	1	5	0
May	4.5	S.	21	W.	0	3	0	2	15	20	8	5	3	6	19	10	2	2	2	0	0	0	0	0	7	0	4	0
June	4.5	SE.	28	N.	0	18	2	5	15	4	3	6	3	4	10	15	5	12	9	0	0	0	0	0	10	0	15	0
July	4.1	SE.	25	W.	0	13	3	6	16	6	4	5	7	2	12	11	8	12	8	0	0	0	1	0	11	0	14	0
August	3.7	S.	20	NW.	0	0	3	4	16	14	10	1	5	9	16	12	3	9	7	0	0	1	0	0	19	0	8	0
September	3.9	SE.	25	NW.	0	11	6	4	14	11	0	3	7	4	14	8	8	12	10	0	0	0	1	0	0	0	6	0
October	6.4	SE.	26	SE.	0	2	2	4	26	9	3	3	6	7	8	9	14	10	8	0	0	0	0	0	0	0	3	0
November	5.2	SE.	27	SW.	0	6	3	2	16	3	6	6	14	4	17	3	10	12	9	0	0	0	1	0	0	3	0	0
December	7.3	SE.	32	E.	0	3	1	5	19	3	8	6	15	2	7	12	12	12	8	1	0	0	0	0	0	9	0	0
Year	5.7	SE.	37	NW.	0	83	21	42	189	109	71	63	107	45	143	123	99	126	95	7	2	2	6	4	47	44	62	0

ASHEVILLE, N. C.

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

January	10.0	NW.	35	N.	0	11	0	3	11	5	1	0	31	0	8	8	15	16	12	14	8	0	3	14	0	25	1	0
February	10.3	SE.	36	NW.	0	12	1	0	18	4	1	3	17	0	8	12	8	9	7	3	1	0	0	1	0	15	2	0
March	9.5	NW.	35	NW.	0	10	2	2	18	7	3	5	15	0	8	13	10	8	5	0	0	0	0	0	0	2	5	1
April	10.1	SE.	35	E.	0	6	0	4	18	8	0	6	18	0	3	14	13	16	10	3	1	0	1	0	0	5	3	0
May	6.3	S.	35	N.	0	4	2	2	14	19	4	4	13	0	7	18	6	11	8	0	0	1	1	0	0	0	12	0
June	6.8	NW.	46	E.	1	9	1	2	17	10	1	2	18	0	8	12	10	12	10	0	0	1	3	0	1	0	8	0
July	5.3	NW.	26	NW.	0	16	1	3	11	7	1	5	17	1	6	17	8	14	10	0	0	0	8	0	0	0	10	0
August	5.0	NW.	36	E.	0	9	0	3	19	3	2	3	17	6	9	16	6	12	8	0	0	0	14	0	3	0	15	0
September	5.8	NW.	26	N.	0	7	0	8	18	7	2	0	17	1	10	10	10	11	8	0	0	0	7	0	0	0	2	0
October	8.0	SE.	28	SE.	0	4	1	6	23	12	1	1	14	0	10	9	12	13	8	0	0	0	7	0	0	0	2	0
November	8.9	NW.	33	S.	0	11	1	1	14	9	0	1	22	1	16	6	8	7	3	1	1	0	1	0	0	9	0	0
December	9.8	NW.	32	E.	0	7	0	1	17	7	1	5	21	3	8	6	17	12	10	4	3	0	5	2	0	10	0	0
Year	8.0	NW.	46	E.	1	106	9	35	198	98	17	35	220	12	101	141	123	141	99	25	14	2	58	17	4	66	60	1

ATLANTA, GA.

[H_b=1,174 ft.; h_t=100 ft.; h_r=182 ft.; h_a=216 ft.]

January	12.3	W.	60	SW.	2	1	2	6	11	3	5	23	11	0	8	5	18	13	11	6	2	0	4	6	0	22	2	0
February	12.2	NW.	48	NW.	3	3	1	5	9	15	1	8	13	1	11	4	13	11	8	0	0	0	5	0	0	7	0	0
March	11.8	W.	42	NW.	1	2	4	14	8	5	3	13	13	0	14	7	10	8	7	0	0	0	2	0	0	0	3	0
April	12.1	NW.	38	NW.	0	1	1	9	13	8	3	6	18	1	6	5	19	16	11	1	1	0	4	0	0	1	6	0
May	8.1	SE.	26	W.	0	0	0	6	13	12	8	11	10	2	15	10	6	6	4	0	0	0	1	0	4	0	4	0
June	8.6	NW.	48	NW.	1	4	4	6	14	7	1	7	17	0	9	8	13	8	8	0	0	0	1	0	8	0	10	0
July	7.7	W.	36	W.	0	4	2	11	11	3	4	15	11	1	10	3	18	14	8	0	0	0	3	0	6	0	11	0
August	7.8	W.	40	NW.	1	4	1	10	5	12	5	22	2	1	14	6	11	9	8	0	0	0	0	0	11	0	8	0
September	8.2	SE.	46	W.	1	4	7	12	10	9	4	6	8	0	12	5	13	10	7	0	0	0	1	0	0	0	3	0
October	10.8	E.	34	W.	0	4	3	20	16	6	2	4	7	0	9	5	17	10	8	0	0	0	3	0	0	0	2	0
November	11.0	NW.	35	SE.	0	3	1	14	9	7	0	4	22	0	15	5	10	9	9	0	0	0	2	0	0	0	1	0
December	12.5	NW.	36	NW.	0	3	1	9	12	8	6	9	14	0	8	6	17	10	7	1	0	0	6	0	0	6	0	0
Year	10.3	NW.	60	SW.	9	33	27	122	131	95	42	128	146	6	131	69	165	124	96	8	3	0	32	6	29	36	50	0

ATLANTIC CITY, N. J.

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

January	9.1	NW.	36	S.	0	7	5	3	2	3	4	21	17	0	10	8	13	13	11	12	7	0	1	16	0	30	1	0
February	8.7	NW.	35	NW.	0	6	2	3	6	5	13	6	15	0	11	8	9	9	7	2	1	0	5	6	0	21	1	0
March	8.3	SW.	35	NW.	0	6	7	5	2	5	16	10	11	0	12	9	10	13	10	1	0	0	1	0	0	13	2	1
April	9.6	NE.	35	NE.	0	5	15	3	5	7	13	5	7	0	5	11	14	13	11	1	1	0	4	0	0	2	2	0
May	7.5	SW.	25	S.	0	2	12	3	4	10	23	2	6	0	8	15	8	11	9	0	0	0	5	0	0	0	5	0
June	7.8	S.	31	NE.	0	4	10	2	7	14	11	3	9	0	11	10	9	9	7	0	0	1	1	0	1	0	5	0
July	6.3	S.	23	NE.	0	7	5	4	4	13	15	6	8	0	14	13	4	6	3	0	0	0	0	0	0	0	3	0
August	7.0	SW.	25	W.	0	5	6	10	9	9	17	4	2	0	12	14	5	5	3	0	0	0	0	0	2	0	6	0
September	7.0	NW.	20	E.	0	12	2	7	5	8	6	11	9	0	16	7	7	10	8	0	0	0	0	0	0	0	3	0
October	7.1	SW.	27	NE.	0	12	2	3	8	11	14	3	9	0	12	12	7	7	5	0	0	0	2	0	0	0	1	0
November	7.8	NW.	29	SE.	0	11	1	2	3	5	5	16	17	0	13	7	10	5	4	0	0	0	2	0	0	5	0	0
December	8.3	NW.	38	NE.	0	6	6	5	8	1	8	16	12	0	9	9	13	11	8	1	1	0	1	0	0	12	0	0
Year	7.9	SW.	38	NE.	0	83	73	50	63	91	145	103	122	0	133	123	109	112	86	17	10	1	22	22	3	83	29	1

Annual meteorological summary for the year ending December 31, 1918—Continued.

AUGUSTA, GA.

[ϕ=33° 28′ N.; λ=81° 54′ W.]

Month.	Pressure.			Temperature.								Moisture.														
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	6 p. m.	Total.	Maximum in 24 hours.	8 p. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	29.782	30.140	28.930	33.0	43.0	42.3	49.7	30.2	40.0	74	12	29	33	34	85	69	74	0.175	0.211	0.218	3.42	0.90	5.1	5.5	5.5	5.7
February	29.962	30.400	29.420	46.6	59.0	57.8	65.3	43.6	54.4	82	25	43	48	47	86	68	69	.297	.361	.349	1.82	1.02	6.2	4.9	4.6	5.4
March	29.864	30.400	29.530	54.2	67.8	65.3	72.6	51.4	62.0	85	38	49	53	52	83	61	64	.365	.418	.403	1.70	1.24	6.3	4.4	4.2	5.2
April	29.781	30.100	29.550	57.0	68.2	64.8	72.0	53.4	62.7	86	36	51	54	55	82	62	72	.396	.432	.444	4.80	1.37	6.2	7.2	6.9	7.1
May	29.932	30.258	29.686	68.5	80.6	76.8	84.5	62.8	73.6	94	44	62	64	64	80	58	68	.568	.599	.601	2.05	.73	4.5	5.2	5.1	4.5
June	29.746	29.970	29.450	74.5	85.5	81.3	89.2	69.6	79.4	100	60	67	67	68	79	56	68	.675	.678	.681	2.30	.66	5.8	5.9	6.5	5.9
July	29.819	30.040	29.610	74.4	85.2	80.2	89.2	69.4	79.3	99	61	68	70	70	80	62	72	.677	.743	.732	3.84	1.82	6.0	6.3	6.4	6.4
August	29.868	30.120	29.710	75.9	87.8	81.5	91.7	70.9	81.3	101	60	69	70	70	80	57	71	.715	.736	.745	4.70	2.20	3.9	4.9	5.7	4.9
September	29.842	30.180	29.620	66.2	78.6	72.8	81.9	61.5	71.7	91	48	61	63	63	83	59	72	.544	.577	.580	1.38	.82	5.2	5.1	4.3	5.5
October	29.900	30.140	29.540	62.9	75.6	69.8	78.3	60.0	69.2	89	46	59	62	62	87	63	76	.510	.558	.556	3.21	1.14	7.7	7.0	6.4	7.5
November	29.919	30.230	29.500	47.0	61.3	55.4	64.7	44.6	54.6	80	35	43	49	48	87	65	77	.289	.357	.341	3.51	1.82	3.8	4.8	4.1	4.4
December	29.947	30.340	29.520	47.5	56.5	52.9	60.2	44.4	52.3	75	28	43	48	47	86	73	80	.302	.352	.341	3.07	1.25	8.2	7.1	5.7	7.4
Year	29.863	30.400	28.930	59.0	70.8	66.7	74.9	55.2	65.0	101	12	54	57	57	83	63	72	.459	.501	.499	35.80	2.20	5.7	5.7	5.4	5.8

BAKER, OREG.

[ϕ=44° 46′ N.; λ=117° 50′ W.]

January	26.477	26.810	25.970	26.1	....	31.3	36.0	21.5	28.8	54	− 9	23	....	25	86	....	76	0.127	.....	0.141	1.93	0.84	6.5	....	6.7	7.3
February	26.412	26.910	25.970	25.0	....	33.3	36.8	21.3	29.0	50	8	19	....	23	78	....	66	.106	.....	.123	.43	.14	5.8	....	6.3	5.9
March	26.404	26.900	25.943	32.9	....	46.4	49.2	30.3	39.9	66	10	26	....	30	75	....	53	.145	.....	.171	.62	.21	6.0	....	5.9	5.9
April	26.422	26.890	25.990	32.4	51.5	53.8	56.2	30.7	43.4	71	21	25	26	27	74	39	37	.136	0.146	.148	.38	.14	3.0	4.7	4.5	4.3
May	26.386	26.580	26.070	36.3	57.0	58.8	61.4	35.2	48.3	83	24	28	32	31	72	40	37	.155	.181	.176	.02	.02	3.0	5.5	5.3	4.7
June	26.431	26.694	26.100	50.9	76.0	77.8	81.8	49.3	65.6	94	30	40	45	45	67	34	34	.260	.312	.319	.19	.17	2.7	3.6	4.0	3.7
July	26.425	26.590	26.190	52.0	76.3	78.2	82.0	50.2	66.1	95	38	41	48	48	68	39	37	.268	.344	.339	1.12	.40	2.7	3.3	5.2	4.4
August	26.468	26.710	26.199	48.8	70.2	71.7	75.1	47.2	61.2	91	36	41	46	45	76	44	42	.261	.311	.309	.92	.31	3.3	4.1	4.8	5.1
September	26.474	26.700	26.253	48.2	68.9	71.3	74.2	45.6	59.9	87	37	41	45	44	76	46	42	.260	.307	.298	.53	.23	3.6	4.0	3.7	4.2
October	26.510	26.740	26.050	40.9	57.0	55.7	60.5	37.8	49.2	78	26	37	41	41	85	56	59	.223	.265	.262	.71	.26	4.3	3.8	4.1	4.4
November	26.481	26.860	25.820	30.2	41.5	38.6	44.2	25.9	35.0	55	5	26	28	28	84	60	64	.145	.154	.151	.58	.28	4.9	4.3	4.5	5.0
December	26.536	26.860	26.020	22.1	30.5	28.7	32.9	18.2	25.6	48	− 4	19	23	22	89	72	74	.106	.121	.117	.30	.08	5.5	6.3	5.2	7.5
Year	26.452	26.910	25.820	37.2	....	53.8	57.6	34.4	46.0	95	− 9	30	....	34	78	....	52	.183	.....	.213	7.71	.84	4.3	....	5.0	5.2

BALTIMORE, MD.

[ϕ=39° 17′ N.; λ=76° 37′ W.]

January	29.819	30.330	28.750	21.9	26.1	24.8	29.9	18.4	24.2	52	4	13	14	15	67	60	64	0.082	0.086	0.086	5.00	1.83	7.5	6.3	4.5	6.4
February	29.994	30.610	28.970	31.8	38.2	36.9	44.5	26.4	35.4	61	0	22	22	25	66	53	61	.129	.133	.147	1.04	.55	5.8	4.9	3.5	5.0
March	29.904	30.490	29.330	41.8	51.4	49.6	57.1	37.2	47.2	78	22	30	30	32	63	46	53	.177	.182	.196	4.17	1.73	3.8	4.4	2.8	4.5
April	29.893	30.370	29.470	49.6	66.8	65.1	61.2	44.9	53.0	80	33	38	38	42	68	54	64	.248	.247	.279	6.79	1.72	5.8	7.1	6.8	6.4
May	29.955	30.310	29.430	65.4	74.8	70.3	79.1	59.5	69.3	94	43	55	56	57	70	53	65	.451	.465	.538	3.17	1.58	5.9	5.2	5.7	5.5
June	29.827	30.120	29.260	67.9	75.7	72.0	79.6	62.2	70.9	96	52	56	56	58	66	52	62	.462	.463	.490	1.75	.43	4.9	5.6	5.0	4.9
July	29.876	30.100	29.640	72.6	80.8	76.6	83.9	67.0	75.4	94	58	60	57	61	66	46	60	.541	.485	.543	2.38	.79	5.0	4.8	5.7	5.1
August	29.924	30.320	29.670	74.8	82.9	77.9	86.9	69.7	78.3	105	58	64	64	66	72	54	68	.619	.616	.655	3.35	1.27	5.3	4.3	6.0	4.9
September	29.931	30.260	29.660	61.1	69.6	66.3	74.0	56.1	65.0	82	46	52	51	55	72	54	67	.398	.388	.440	3.01	1.31	4.6	5.0	4.1	5.0
October	30.007	30.430	29.490	55.7	66.1	62.2	69.6	52.0	60.8	82	40	48	47	50	75	52	66	.349	.345	.380	.76	.43	4.9	5.0	2.9	4.9
November	29.956	30.430	29.130	43.1	51.9	47.9	54.6	39.7	47.2	69	28	34	34	36	71	51	63	.209	.205	.220	1.50	0.95	4.2	4.9	3.0	4.7
December	30.018	30.630	29.480	38.8	45.1	42.6	47.9	35.9	41.9	67	25	31	31	32	72	58	66	.181	.185	.193	4.72	1.40	6.3	5.8	5.6	6.1
Year	29.925	30.630	28.750	52.0	60.0	56.8	64.0	47.4	55.7	105	0	42	42	44	69	53	63	.320	.317	.343	37.54	1.83	5.3	5.3	4.6	5.3

BENTONVILLE, ARK.

[ϕ=36° 22′ N.; λ=94° 12′ W.]

January	28.579	29.010	28.110	16.7	27.1	....	31.9	11.1	21.5	62	−15	12	16	....	80	63	....	0.078	0.093	.....	2.68	0.85	6.2	5.3	....	5.5
February	28.670	29.320	28.090	34.8	46.8	....	53.5	27.5	40.5	79	4	28	29	....	74	52	....	.178	.181	.....	.77	.58	4.5	4.4	....	4.2
March	28.637	29.130	28.150	45.1	58.7	....	65.6	41.8	53.7	80	23	37	38	....	73	50	....	.234	.247	.....	3.05	1.12	5.0	4.9	....	5.0
April	28.549	29.090	28.150	46.7	60.1	....	65.0	43.2	54.2	87	30	40	40	....	78	52	....	.258	.263	.....	2.90	.85	4.0	4.2	....	4.1
May	28.626	29.020	28.210	64.2	75.7	....	79.9	59.0	69.4	91	34	57	55	....	77	51	....	.482	.464	.....	3.07	2.25	4.6	1.5	....	4.0
June	28.596	28.830	28.310	72.1	84.2	....	88.8	66.1	77.4	100	57	65	65	....	79	56	....	.626	.628	.....	3.57	1.27	4.3	3.6	....	3.2
July	28.685	28.850	28.490	69.4	84.3	....	88.5	64.1	76.3	100	53	60	58	....	74	44	....	.529	.494	.....	1.18	.39	4.7	3.6	....	3.7
August	28.660	28.840	28.470	72.4	87.8	....	92.7	69.0	80.8	103	59	64	62	....	76	46	....	.594	.566	.....	4.88	1.92	3.3	3.3	....	4.0
September	28.699	29.060	28.300	54.5	69.5	....	74.9	50.6	62.8	89	35	51	51	....	88	55	....	.388	.390	.....	4.47	1.68	3.8	4.3	....	3.8
October	28.643	28.960	28.120	54.8	68.1	....	72.3	52.5	62.4	87	30	52	52	....	90	61	....	.401	.417	.....	4.98	2.05	5.4	5.2	....	4.7
November	28.702	29.050	28.100	39.3	52.7	....	55.5	37.2	46.4	74	22	34	35	....	80	54	....	.208	.225	.....	3.87	1.18	4.5	4.5	....	5.0
December	28.653	28.960	28.280	37.5	48.3	....	52.0	34.4	43.2	68	16	32	33	....	82	58	....	.198	.199	.....	4.04	1.86	4.3	4.6	....	4.7
Year	28.642	29.320	28.090	50.6	63.6	....	68.4	46.4	57.4	103	−15	44	44	....	79	53	....	.348	.347	.....	39.41	2.25	4.6	4.1	....	4.3

Annual meteorological summary for the year ending December 31, 1918—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.	Number of winds, 8 a. m. and 8 p. m. Days with 40 miles and over.	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	7.2	W.	48	W.	1	5	5	3	9	8	8	14	9	1	11	6	14	13	12	2	2	0	1	1	0	21	4	0
February	5.7	NW.	34	N.	0	2	5	10	7	5	6	6	12	3	9	8	11	8	6	0	0	0	1	0	0	3	2	0
March	6.3	NW.	25	SW.	0	5	14	9	5	8	4	5	11	1	11	9	11	8	5	0	0	0	2	0	0	0	3	0
April	6.2	SE.	24	SE.	0	5	7	15	14	1	5	6	7	0	5	9	16	11	9	0	0	0	1	0	0	0	2	0
May	5.0	SE.	24	NW.	0	1	5	9	12	20	4	6	5	0	16	6	9	8	7	0	0	0	0	0	0	4	6	0
June	5.3	E.	30	W.	0	0	9	15	9	10	3	6	7	1	10	8	12	7	6	0	0	0	0	0	0	15	8	0
July	4.6	NW.	37	NW.	0	4	7	10	8	13	5	5	8	2	7	8	16	9	4	0	0	0	0	0	0	13	7	0
August	4.8	S.	31	NW.	0	1	8	4	8	9	10	9	9	4	14	7	10	10	10	0	0	0	0	0	0	22	10	0
September	4.5	NE.	20	E.	0	11	10	9	9	4	0	1	12	4	10	9	11	5	4	0	0	0	0	0	0	2	1	0
October	5.7	E.	28	NW.	0	3	14	18	9	5	2	1	8	2	4	7	20	8	6	0	0	0	0	0	0	0	1	0
November	5.5	NW.	25	W.	0	11	11	3	4	1	6	3	17	4	15	5	10	9	8	0	0	0	2	0	0	0	0	0
December	6.4	W.	27	S.	0	6	10	6	7	5	4	13	10	1	5	6	20	10	5	1	0	0	0	0	0	2	0	0
Year	5.6	NW.	48	W.	1	54	105	111	101	89	57	75	115	23	117	88	160	106	82	3	2	0	7	1	56	26	44	0

BAKER, OREG.

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

January	5.3	SE.	27	NW.	0	3	3	6	18	12	3	6	9	2	6	6	19	17	14	18	12	0	1	8	0	27	0	0
February	7.6	SE.	48	SW.	1	4	0	4	22	10	2	10	4	0	7	11	10	12	4	10	8	0	0	9	0	25	0	0
March	7.5	SE.	30	S.	0	4	2	1	34	10	4	4	3	0	8	10	13	9	6	5	5	0	0	0	0	18	0	0
April	7.9	SE.	29	NW.	0	11	3	2	23	3	1	1	16	0	12	9	9	4	4	4	1	0	0	0	0	16	1	0
May	7.7	NW.	25	N.	0	6	1	1	20	7	1	3	22	1	12	12	7	1	0	1	0	0	0	0	0	8	1	0
June	6.1	SE.	33	E.	0	6	0	1	28	4	4	1	16	0	14	11	5	3	2	0	0	0	0	0	5	1	1	0
July	6.1	SE.	32	SW.	0	4	1	2	29	7	2	1	16	0	16	7	8	8	6	0	0	1	0	0	7	0	6	0
August	5.9	SE.	29	SE.	0	6	0	0	27	3	1	5	20	0	11	7	13	9	5	0	0	0	0	0	1	0	7	0
September	5.8	SE.	19	SW.	0	6	2	1	28	7	0	4	12	0	16	4	10	5	4	0	0	0	0	0	0	0	1	0
October	5.8	SE.	20	N.	0	0	3	2	35	5	3	6	8	0	14	11	6	7	5	0	0	0	0	0	0	6	1	0
November	6.8	SE.	23	S.	0	4	1	4	34	8	2	4	3	0	10	10	10	7	4	4	4	0	0	4	0	19	0	0
December	5.9	SE.	23	SE.	0	4	6	4	23	16	1	3	5	0	4	7	20	8	3	11	8	0	4	16	0	28	0	0
Year	6.5	SE.	48	SW.	1	58	22	28	321	92	24	48	134	3	130	105	130	90	57	53	38	1	5	37	13	148	18	0

BALTIMORE, MD.

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

January	7.6	SW.	46	SE.	1	9	5	4	4	3	17	4	16	0	8	8	15	13	10	13	7	0	1	20	0	31	1	0
February	6.9	S.	31	SW.	0	6	4	2	4	13	11	4	12	0	12	6	10	7	5	2	1	0	4	6	0	18	1	0
March	6.9	SW.	34	SW.	0	11	6	1	3	12	12	3	12	2	13	10	8	12	10	2	0	0	2	0	0	7	2	1
April	8.2	N.	39	NE.	0	14	9	5	6	3	9	4	10	0	4	14	12	15	13	0	0	0	1	0	0	0	2	0
May	6.3	S.	22	NE.	0	3	6	4	6	21	14	1	7	0	7	16	8	8	8	0	0	2	0	0	3	0	6	0
June	7.4	S.	30	NW.	0	6	8	6	6	15	10	1	8	0	11	12	7	12	10	0	0	0	0	0	3	0	3	0
July	6.0	S.	33	S.	0	11	1	2	3	17	10	7	14	0	8	13	10	8	8	0	0	0	0	0	7	0	10	0
August	6.1	S.	25	NW.	0	12	6	10	2	13	13	4	2	0	15	10	6	8	8	0	0	0	0	0	9	0	7	0
September	6.0	NW.	20	NW.	0	11	3	4	2	14	6	3	15	2	13	8	9	11	7	0	0	0	1	0	0	0	2	0
October	5.6	SE.	24	N.	0	12	0	3	17	9	7	3	7	4	9	15	7	5	5	0	0	0	3	0	0	0	0	0
November	5.7	SW.	21	N.	0	7	2	3	5	5	22	5	10	1	14	5	11	5	4	0	0	0	2	0	0	3	0	0
December	6.0	SW.	24	S.	0	9	11	3	5	6	14	5	6	3	9	9	13	9	9	4	0	0	8	0	0	9	1	0
Year	6.6	SW.	46	SE.	1	111	61	47	63	131	145	44	118	12	123	126	116	113	97	21	8	2	22	26	22	68	35	1

BENTONVILLE, ARK.

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

January	6.0	NW.	19	NW.	0	5	3	0	3	2	4	7	7	0	13	7	11	10	7	16	10	0	0	18	0	31	0	0
February	8.3	S.	28	S.	0	2	2	1	2	5	9	3	4	0	16	4	8	3	2	1	0	1	0	3	0	17	0	0
March	7.3	S.	27	W.	0	7	2	2	7	6	5	0	2	0	12	10	9	7	6	0	0	0	0	0	7	7	5	2
April	6.8	N.	28	SE.	0	8	3	2	2	4	2	5	4	0	16	7	7	10	8	0	0	0	0	0	3	8	0	0
May	7.0	S.	24	S.	0	2	1	5	17	3	0	3	2	0	19	7	5	10	9	0	0	0	1	0	1	7	0	0
June	4.3	SE.	20	W.	0	1	4	3	7	4	5	2	4	0	20	6	4	9	7	0	0	0	0	0	12	0	10	0
July	4.2	S.	15	S.	0	5	3	6	8	5	2	0	2	0	20	3	8	6	6	0	0	0	0	0	11	0	5	0
August	4.6	S.	22	SW.	0	2	1	5	7	6	5	1	1	2	17	7	7	10	10	0	0	1	0	0	22	0	9	0
September	4.1	N.	18	S.	0	4	3	1	5	4	2	0	4	7	18	4	8	10	10	0	0	0	0	0	0	0	8	0
October	4.5	E.	19	S.	0	2	5	5	3	4	2	0	2	8	16	5	10	12	10	0	0	0	0	0	0	1	3	0
November	5.8	NW.	28	W.	0	3	3	0	2	6	4	3	7	2	15	2	13	10	8	3	1	0	0	1	0	14	0	0
December	6.3	SW.	21	S.	0	0	2	4	3	7	8	2	5	0	14	8	9	11	9	4	3	1	0	2	0	10	0	0
Year	5.7	S.	28	W.	0	39	33	31	54	70	51	23	45	19	196	70	99	108	95	24	14	4	0	24	46	83	55	2

Annual meteorological summary for the year ending December 31, 1918—Continued.

BINGHAMTON, N. Y.

[ϕ=42° 06′ N.; λ=75° 55′ W.]

Month.	Pressure.			Temperature.								Moisture.													
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	28.906	29.440	27.900	11.0	16.9	....	22.4	5.6	14.0	46	−14	10	13	....	96	83	....	0.073	0.078	....	2.32	0.95	7.0	5.8	....	5.4
February	29.086	29.700	27.950	19.9	27.0	....	35.3	13.1	24.2	54	−17	15	19	....	82	71	....	.098	.114	....	1.60	1.22	7.0	6.7	....	6.8
March	29.050	29.530	28.420	30.4	41.3	....	49.0	25.7	37.4	75	9	25	27	....	80	59	....	.137	.161	....	2.80	1.24	5.2	5.0	....	5.0
April	29.108	29.480	28.600	40.7	51.2	....	56.3	35.7	46.0	75	25	34	36	....	77	60	....	.203	.239	....	3.97	.74	5.8	5.9	....	6.5
May	29.125	29.540	28.540	59.1	68.6	....	74.4	51.8	63.1	87	36	54	58	....	84	71	....	.436	.508	....	7.03	3.03	6.1	5.9	....	5.8
June	29.024	29.360	28.450	59.7	70.3	....	74.5	51.7	63.1	90	39	55	61	....	86	72	....	.452	.549	....	3.76	1.39	4.7	3.6	....	4.5
July	29.082	29.340	28.790	64.1	75.2	....	79.6	58.8	69.2	92	44	60	64	....	87	70	....	.529	.618	....	5.83	1.26	5.4	5.4	....	5.2
August	29.125	29.530	28.860	64.6	78.5	....	83.7	59.0	71.4	98	45	60	66	....	87	67	....	.541	.669	....	3.64	.86	3.8	3.8	....	3.8
September	29.099	29.470	28.780	51.9	62.1	....	66.4	46.9	56.6	80	35	49	54	....	91	77	....	.358	.436	....	4.90	1.20	7.1	6.7	....	6.5
October	29.175	29.613	28.650	47.2	60.0	....	64.9	43.0	54.0	76	29	43	46	....	87	61	....	.295	.323	....	4.05	1.90	7.5	5.4	....	5.9
November	29.084	29.620	28.270	37.6	44.7	....	48.9	34.5	41.7	65	21	32	33	....	80	64	....	.184	.196	....	1.56	1.15	7.3	7.0	....	7.1
December	29.143	29.740	28.570	31.2	36.5	....	41.6	28.0	34.8	57	14	28	30	....	85	76	....	.154	.170	....	1.36	.32	7.2	7.4	....	7.3
Year	29.084	29.740	27.900	43.1	52.7	....	58.1	37.8	48.0	98	−17	39	42	....	85	69	....	.288	.338	....	42.62	3.03	6.2	5.7	....	5.8

BIRMINGHAM, ALA.

[ϕ=33° 32′ N.; λ=86° 50′ W.]

January	29.220	29.520	28.400	32.3	39.7	38.4	45.2	27.9	36.6	73	1	28	29	28	82	66	65	0.175	0.179	0.170	8.94	2.88	7.1	6.4	5.7	6.2
February	29.402	29.900	28.907	45.6	55.9	55.7	63.0	42.1	52.6	82	24	39	40	41	79	58	60	.265	.273	.285	1.94	.56	6.2	6.0	4.4	5.8
March	29.318	29.700	29.040	54.0	67.5	64.4	72.2	51.5	61.8	84	38	44	44	45	71	46	51	.314	.314	.318	.32	.30	5.1	4.3	4.9	5.1
April	29.223	29.460	28.970	54.8	64.5	61.7	69.7	51.0	60.4	85	31	49	50	48	81	61	63	.374	.379	.361	7.17	2.75	7.1	7.2	4.5	6.8
May	29.362	29.670	29.084	67.2	80.0	75.6	83.8	62.6	73.2	93	43	59	58	58	76	49	55	.524	.502	.492	4.07	3.86	2.6	4.7	2.3	3.3
June	29.210	29.390	28.920	72.8	87.0	79.6	90.2	68.0	79.1	100	58	67	65	64	82	50	63	.659	.634	.620	7.64	2.87	4.0	3.5	5.0	4.0
July	29.288	29.490	29.060	71.5	83.8	78.8	87.7	67.5	77.6	95	58	65	64	64	80	55	64	.619	.619	.615	3.34	1.62	4.5	4.6	4.5	4.4
August	29.324	29.510	29.150	73.9	88.5	81.3	92.5	70.5	81.5	100	63	67	66	66	81	49	61	.671	.639	.646	.98	.60	3.2	4.6	3.8	3.9
September	29.296	29.600	29.070	63.2	76.4	69.7	80.6	59.5	70.0	91	42	58	57	57	82	55	67	.491	.483	.482	7.73	3.23	4.7	4.9	3.7	4.5
October	29.305	29.550	28.980	62.6	73.4	67.2	76.1	60.2	68.2	88	42	57	58	58	83	62	73	.480	.505	.490	10.84	5.60	6.2	6.1	4.8	5.7
November	29.352	29.630	28.900	45.5	58.9	53.4	61.8	43.1	52.4	74	32	39	40	41	80	51	64	.250	.251	.264	5.25	1.93	4.3	3.9	4.6	4.2
December	29.367	29.660	28.950	45.6	54.6	51.5	57.8	43.9	50.4	72	25	40	41	41	82	63	69	.276	.287	.287	4.14	1.65	6.7	6.5	4.7	6.3
Year	29.306	29.900	28.400	57.4	69.2	64.8	73.4	53.9	63.6	100	1	51	51	51	80	55	63	.425	.422	.419	62.36	5.60	5.1	5.2	4.4	5.0

BISMARCK, N. DAK.

[ϕ=46° 47′ N.; λ=100° 38′ W.]

January	28.251	28.830	27.580	−.09	4.3	2.8	9.4	−6.7	1.4	43	−29	−3	0	0	90	80	89	0.047	0.053	0.052	0.62	0.22	7.3	5.9	5.0	6.9
February	28.211	29.057	27.670	−.08	19.7	18.5	24.9	3.4	14.2	54	−29	4	12	13	86	71	78	.063	.067	.093	.29	.16	5.3	4.3	4.0	5.1
March	28.203	28.775	27.684	26.9	42.8	42.5	48.5	24.5	36.5	73	−8	21	24	26	79	52	57	.121	.140	.149	.85	.42	4.6	5.0	5.7	5.3
April	28.199	28.820	27.460	34.3	48.3	48.8	53.6	32.3	43.0	72	16	27	28	28	76	51	49	.153	.161	.161	2.13	.91	5.6	6.2	6.3	5.9
May	28.118	28.500	27.650	48.6	60.8	60.9	67.2	41.3	54.2	92	23	37	38	38	72	48	48	.230	.240	.243	2.03	.77	5.5	5.8	6.4	5.7
June	28.202	28.600	27.890	57.9	73.9	73.0	78.0	53.5	65.8	101	40	50	49	50	74	45	46	.364	.369	.374	.59	.35	4.2	4.6	4.0	4.5
July	28.270	28.548	27.820	59.0	75.8	76.8	81.6	54.5	68.0	97	44	52	52	51	78	47	45	.395	.408	.389	2.09	.98	3.9	3.9	4.5	4.5
August	28.196	28.430	27.840	59.3	77.5	76.5	81.9	55.8	68.8	97	43	54	53	53	82	45	46	.427	.421	.420	2.62	1.32	4.2	3.7	3.5	3.8
September	28.354	28.720	28.029	42.4	63.5	60.5	67.9	39.9	53.9	87	26	37	38	38	82	41	46	.225	.239	.238	.47	.30	4.3	4.1	4.0	4.3
October	28.256	28.570	27.656	39.0	55.8	52.2	60.0	35.0	47.5	80	13	32	33	33	78	47	52	.187	.194	.194	.28	.25	4.4	4.3	4.8	4.6
November	28.219	28.940	27.680	24.6	37.4	33.2	41.5	21.4	31.4	56	2	21	25	26	85	61	74	.118	.137	.144	.51	.22	3.9	4.7	3.6	4.3
December	28.255	28.740	27.820	17.9	25.6	23.6	31.1	12.0	21.6	57	−29	15	18	19	88	76	83	.089	.104	.106	1.02	.49	8.0	7.3	6.2	7.2
Year	28.228	29.057	27.460	34.5	48.8	47.4	53.8	30.6	42.2	101	−29	29	31	31	81	55	59	.202	.213	.214	13.50	1.22	5.1	5.0	4.8	5.2

BLOCK ISLAND, R. I.

[ϕ=41° 10′ N.; λ=71° 36′ W.]

January	29.803	30.390	29.750	21.2	....	23.2	28.2	17.7	23.0	51	2	16	....	17	81	....	75	0.097	.....	0.094	2.80	0.86	6.3	....	3.2	6.9
February	30.016	30.720	29.970	25.5	....	28.2	34.4	19.5	27.0	49	−6	21	....	24	81	....	82	.124	.....	.135	2.09	1.03	6.2	....	4.5	6.2
March	29.931	30.460	29.421	33.2	38.3	34.2	40.4	29.1	34.8	49	15	29	31	30	83	76	85	.160	0.179	.171	2.54	1.85	5.0	5.0	3.6	5.5
April	30.001	30.570	29.560	42.0	45.9	41.8	49.1	37.8	43.4	62	32	38	41	39	87	83	90	.232	.259	.241	3.41	1.33	5.7	5.4	4.9	6.5
May	30.038	30.452	29.600	55.1	59.6	54.3	62.5	49.0	55.8	77	42	51	54	50	87	84	88	.381	.424	.374	2.89	.76	5.0	4.1	3.5	5.8
June	29.910	30.210	29.330	59.9	63.8	59.3	66.3	55.3	60.8	82	51	56	58	56	87	83	88	.454	.493	.444	4.94	3.54	4.5	5.6	4.9	5.7
July	29.952	30.237	29.890	67.4	72.6	66.4	74.8	62.3	68.6	89	55	64	66	63	88	80	90	.592	.536	.583	1.75	1.20	4.6	4.0	4.2	4.6
August	30.020	30.450	29.630	68.3	72.8	67.7	74.7	63.6	69.2	90	58	64	67	64	86	83	89	.606	.575	.610	1.48	.65	4.6	3.7	3.7	5.5
September	30.015	30.360	29.670	60.9	65.0	62.3	67.3	56.1	61.7	77	49	56	58	58	85	80	86	.462	.503	.490	3.31	1.78	5.5	5.1	3.2	6.1
October	30.095	30.530	29.580	54.7	58.4	55.8	61.2	49.9	55.6	69	42	51	54	52	89	85	89	.390	.428	.403	.86	.27	5.3	5.3	2.8	6.5
November	29.985	30.520	29.154	45.6	47.8	46.3	50.3	41.7	46.0	61	24	39	42	40	81	79	80	.252	.273	.260	1.37	.64	5.7	4.7	4.2	6.6
December	30.067	30.680	29.440	36.9	39.6	39.0	44.3	32.3	38.3	57	18	32	34	34	83	80	80	.194	.203	.201	4.44	1.39	5.9	5.8	4.5	6.8
Year	29.986	30.720	28.750	47.5	....	48.2	54.5	42.9	48.7	90	−6	43	....	44	85	....	85	.329	.....	.334	31.78	3.54	5.4	....	3.9	6.1

Annual meteorological summary for the year ending December 31, 1918—Continued.

BINGHAMTON, N. Y.

[H_b=871 ft.; h_1=10 ft.; h_t=3 ft.; h_a=69 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.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. 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	6.1	SW.	25	SW.	0	4	5	2	1	3	3	6	7	0	11	9	11	15	7	21	14	0	0	28	0	31	0	0
February	7.5	NW.	36	SW.	0	3	1	6	3	4	4	1	6	0	4	11	13	13	8	12	6	0	0	12	0	26	1	0
March	6.6	NW.	32	NW.	0	6	1	5	1	0	6	5	7	0	12	10	9	10	9	11	5	1	0	2	0	23	2	1
April	5.5	NW.	24	SW.	0	4	8	4	2	1	3	2	6	0	7	9	14	15	13	5	5	0	1	0	0	13	1	1
May	5.0	S.	36	NW.	0	3	4	3	1	5	4	3	8	0	8	12	11	14	13	0	0	0	2	0	0	0	11	1
June	5.3	NW.	22	S.	0	3	5	4	3	2	3	2	8	0	13	10	7	11	10	0	0	0	0	0	0	0	6	0
July	3.8	SW.	19	N.	0	4	4	7	0	2	3	6	5	0	8	12	11	11	11	0	0	1	4	0	7	0	10	0
August	3.0	NE.	19	S.	0	2	9	8	1	2	3	0	2	4	18	7	6	11	11	0	0	1	2	0	7	0	6	0
September	4.5	NW.	20	S.	0	0	5	3	2	4	3	3	8	1	7	8	15	16	13	0	0	0	4	0	0	0	2	0
October	4.5	S.	25	N.	0	4	3	7	1	5	4	3	2	2	8	11	12	13	9	0	0	1	6	0	0	2	2	0
November	5.7	SW.	24	NW.	0	2	2	5	0	0	8	8	3	2	7	6	17	8	4	6	1	0	2	1	0	12	0	0
December	5.3	NW.	28	W.	0	3	4	6	2	2	4	6	3	1	5	7	19	14	8	13	5	0	1	5	0	23	0	0
Year	5.2	NW.	36	SW.	0	38	52	60	17	30	48	45	65	10	108	112	145	151	116	68	36	4	22	48	14	130	41	3

BIRMINGHAM, ALA.

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

January	8.4	W.	42	SE.	1	9	4	3	7	11	5	16	7	0	10	5	16	14	12	8	1	1	0	4	0	21	4	0
February	8.3	S.	25	S.	0	12	4	2	8	15	5	1	9	0	5	11	12	10	5	0	0	0	1	0	0	6	1	0
March	7.7	S.	25	S.	0	11	6	9	6	12	9	4	5	0	10	12	9	4	1	0	0	0	0	0	0	0	3	0
April	8.0	S.	36	SE.	0	8	2	7	12	13	5	5	8	0	4	12	14	11	11	2	0	0	0	0	0	2	8	0
May	6.1	S.	25	S.	0	4	4	8	9	25	7	4	1	0	18	10	3	4	4	0	0	0	0	6	0	4	0	0
June	4.9	N.	32	NE.	0	14	9	6	9	8	7	2	5	0	11	17	2	13	10	0	0	1	0	0	15	0	15	0
July	4.6	N.	22	NW.	0	12	7	7	9	11	6	2	8	0	14	12	5	11	9	0	0	0	0	0	10	0	12	0
August	5.3	S.	25	NE.	0	1	3	7	13	22	11	3	1	1	15	12	4	7	5	0	0	0	0	0	24	0	7	0
September	5.2	N.	26	NW.	0	14	15	7	10	6	1	3	3	1	11	12	7	12	10	0	0	0	0	0	2	0	8	0
October	7.0	E.	27	SE.	0	7	8	20	10	9	1	2	4	1	9	9	13	16	12	0	0	0	0	0	0	0	4	0
November	6.2	N.	34	SE.	0	18	5	9	11	3	4	6	4	0	14	7	9	13	10	0	0	0	1	0	0	0	1	0
December	8.3	NW.	52	SE.	2	5	2	7	12	11	7	7	11	0	8	9	14	10	8	1	0	0	0	0	0	7	0	0
Year	6.7	S.	52	SE.	3	115	69	92	116	146	68	55	66	3	129	128	108	125	97	11	1	2	2	4	57	36	67	0

BISMARCK, N. DAK.

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

January	12.1	NW.	47	NW.	2	5	7	6	3	3	0	4	34	0	7	6	18	10	5	20	10	0	0	27	0	31	0	0
February	10.0	NW.	33	NW.	0	5	4	8	4	3	4	13	15	0	11	9	8	6	4	12	6	0	0	17	0	27	0	4
March	10.7	E.	50	NW.	2	6	4	11	8	6	5	10	11	1	14	4	13	4	4	5	3	0	0	5	0	22	0	3
April	14.0	NW.	52	W.	3	14	2	4	13	8	3	4	12	0	8	10	12	10	8	9	7	0	0	0	0	16	2	4
May	11.5	N.	45	W.	4	13	7	10	6	6	2	7	11	0	9	13	9	13	8	1	1	2	0	0	1	2	6	2
June	10.3	NW.	37	W.	0	6	10	13	8	2	2	7	12	0	13	10	7	4	2	0	0	1	0	0	3	0	3	0
July	9.1	E.	34	W.	0	6	12	21	5	2	3	3	19	0	14	11	6	7	7	0	0	0	0	0	7	0	4	0
August	10.0	NW.	47	W.	1	7	7	11	11	4	2	6	14	0	17	10	4	8	5	0	0	2	0	0	2	0	8	1
September	8.5	NW.	36	E.	0	12	8	10	4	4	4	1	17	0	15	7	8	5	3	0	0	0	1	0	0	5	1	1
October	9.2	NW.	35	NW.	0	4	6	20	4	3	1	4	19	1	13	8	10	3	1	2	2	0	0	0	0	11	1	3
November	9.4	NW.	38	NW.	0	6	5	6	3	4	3	7	25	0	15	5	10	3	3	7	2	0	0	4	0	28	1	1
December	9.2	NW.	41	NW.	1	3	5	11	4	7	3	6	20	3	4	9	18	8	4	13	8	0	1	18	0	31	0	4
Year	10.3	NW.	52	W.	13	87	77	131	73	52	32	72	201	5	140	102	123	81	54	69	39	5	2	71	13	173	26	23

BLOCK ISLAND, R. I.

[H_b=28 ft.; h_1=11 ft.; h_t=3 ft.; h_a=46 ft.]

January	23.9	W.	60	SE.	19	8	4	6	0	2	5	20	17	0	8	5	18	9	6	9	6	0	1	22	0	31	0	0
February	21.7	NW.	70	NW.	10	2	2	2	3	4	17	5	21	0	9	6	13	11	6	5	4	0	2	12	0	26	0	0
March	19.1	SW.	62	NW.	10	3	9	1	3	3	23	9	11	0	13	6	12	11	8	4	3	0	1	7	0	21	1	0
April	17.8	NE.	56	NE.	4	4	15	5	9	2	14	6	5	0	9	5	16	9	8	2	1	0	6	0	0	1	2	0
May	16.2	SW.	44	W.	1	0	4	5	4	7	29	7	6	0	11	7	13	10	9	0	0	0	11	0	0	0	6	2
June	15.2	SW.	48	NW.	3	1	7	6	6	6	13	17	4	0	11	8	11	8	5	0	0	0	4	0	0	0	2	0
July	12.7	SW.	42	NW.	2	1	9	4	0	7	26	10	5	0	13	9	9	7	5	0	0	0	5	0	0	0	2	0
August	13.6	SW.	34	W.	0	4	5	10	5	9	21	6	2	0	11	8	12	5	5	0	0	0	8	0	1	0	4	0
September	15.1	NW.	44	NW.	1	4	7	5	9	7	10	4	14	0	11	6	13	11	9	0	0	0	4	0	0	0	3	0
October	15.2	SW.	44	NE.	3	7	7	7	4	11	18	0	8	0	11	4	16	9	7	0	0	0	9	0	0	0	2	0
November	20.9	NW.	59	NW.	9	6	5	3	4	5	6	11	20	0	5	11	14	6	6	0	0	0	1	0	0	2	0	0
December	19.6	NW.	60	W.	7	5	13	4	3	2	9	7	19	0	9	3	19	14	12	3	1	0	2	1	0	16	0	0
Year	17.6	SW.	70	NW.	69	45	87	58	50	65	191	102	132	0	121	78	166	110	86	23	15	0	60	36	1	97	22	2

Annual meteorological summary for the year ending December 31, 1918—Continued.

BURLINGTON, VT.

[ϕ=44° 29′ N.; λ=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.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.400	30.100	28.580	7.4	12.7	....	16.5	1.5	9.0	39	−24	4	7	....	86	76	....	0.055	0.062	.....	1.73	0.84	8.3	7.3	....	6.9
February	29.538	30.210	28.340	14.0	17.9	....	25.3	5.0	15.2	47	−23	10	12	....	83	76	....	.079	.083	.....	1.79	.50	8.0	7.8	....	7.5
March	29.524	30.010	29.030	24.8	30.2	....	37.3	18.3	27.8	60	− 5	18	20	....	74	66	....	.101	.112	.....	1.86	.82	6.4	5.5	....	6.0
April	29.626	30.152	29.070	39.1	46.8	....	52.4	32.6	42.5	73	17	29	29	....	67	52	....	.165	.164	.....	1.67	.56	5.0	5.5	....	5.6
May	29.588	30.070	28.990	56.8	63.8	....	68.7	48.8	58.8	84	32	46	47	....	69	57	....	.331	.344	.....	4.92	1.03	6.6	6.7	....	6.7
June	29.482	29.863	28.800	59.0	64.7	....	69.8	49.9	59.8	87	35	48	48	....	69	59	....	.352	.359	.....	4.52	1.62	5.4	5.5	....	5.8
July	29.535	29.810	29.240	67.2	74.3	....	78.4	59.7	69.0	90	47	60	60	....	79	64	....	.528	.528	.....	2.95	1.07	5.6	5.3	....	5.5
August	29.609	30.080	29.310	64.4	71.9	....	76.5	56.4	66.4	91	40	56	56	....	75	60	....	.470	.472	.....	4.01	1.82	5.2	5.1	....	4.9
September	29.573	30.001	29.190	52.8	58.4	....	62.4	47.0	54.7	77	33	47	47	....	82	68	....	.332	.335	.....	5.67	1.08	7.1	7.5	....	7.5
October	29.857	30.138	29.080	46.4	53.4	....	57.0	41.1	49.0	68	28	40	42	....	80	66	....	.263	.275	.....	6.75	2.24	6.7	6.7	....	6.8
November	29.546	30.132	28.660	35.7	40.5	....	42.9	30.2	36.6	63	14	30	30	....	79	66	....	.171	.173	.....	4.53	3.41	8.0	8.2	....	7.7
December	29.666	30.300	29.050	24.7	27.6	....	32.1	18.8	25.4	52	0	20	22	....	82	77	....	.115	.121	.....	1.78	.52	8.2	7.9	....	8.0
Year	29.562	30.300	28.340	41.0	46.8	....	51.6	34.1	42.8	91	−24	34	35	....	77	66	....	.247	.252	.....	42.18	3.41	6.7	6.6	....	6.6

CAIRO, ILL.

[ϕ=37° 00′ N.; λ=89° 10′ W.]

January	29.594	30.090	28.950	17.0	22.4	23.9	28.8	13.3	21.0	53	−16	10	14	18	73	71	76	0.077	0.093	0.101	3.47	0.94	5.4	6.2	5.3	6.0
February	29.721	30.480	28.950	34.3	42.8	43.7	50.5	30.3	40.4	78	9	29	35	35	79	73	71	.189	.238	.223	1.03	.54	6.3	6.2	4.6	5.8
March	29.647	30.180	29.150	46.9	58.8	58.6	64.6	43.1	53.8	81	27	39	43	40	75	57	52	.254	.294	.259	1.56	1.30	6.6	6.1	6.3	6.4
April	29.566	30.090	29.170	49.2	57.5	58.0	63.3	45.4	54.8	80	30	42	44	46	76	62	66	.280	.302	.321	6.18	1.88	7.6	7.2	6.2	7.3
May	29.650	30.067	29.200	65.7	76.7	74.4	79.9	62.5	71.2	91	40	58	60	60	77	57	63	.504	.525	.537	5.15	3.01	4.8	4.8	4.8	4.6
June	29.550	29.800	29.300	72.0	81.9	81.7	86.3	68.5	77.4	100	57	63	64	65	75	56	60	.592	.603	.638	3.33	1.97	5.4	6.1	5.2	5.8
July	29.634	29.833	29.430	71.1	82.7	82.5	87.3	68.8	78.0	95	60	63	62	64	76	51	54	.587	.560	.603	.74	.43	5.3	5.3	5.3	5.3
August	29.620	29.810	29.445	74.1	86.3	83.8	90.9	72.2	81.6	102	64	67	66	68	79	53	60	.663	.645	.681	1.62	.72	5.3	4.9	4.8	5.3
September	29.678	30.050	29.400	57.6	69.8	66.4	73.1	55.1	64.1	84	41	52	52	54	81	56	66	.402	.410	.436	5.29	2.62	5.0	5.4	4.7	5.2
October	29.644	29.960	29.181	56.3	67.8	65.1	71.2	54.5	62.8	87	42	52	52	54	87	60	70	.406	.411	.439	3.07	1.11	6.5	6.2	5.3	6.2
November	29.709	30.030	28.950	42.5	51.6	50.2	55.2	40.5	47.8	71	29	36	36	37	76	56	61	.218	.218	.229	1.34	.72	5.0	5.1	4.6	5.0
December	29.674	30.010	29.180	41.7	48.1	47.8	53.0	38.5	45.8	71	18	37	38	39	83	71	74	.237	.255	.257	6.12	2.29	6.6	6.8	5.2	6.3
Year	29.641	30.480	28.950	52.4	62.2	61.3	67.0	49.5	58.2	102	−16	46	47	48	78	60	64	.367	.380	.394	38.90	3.01	5.8	5.9	5.2	5.8

CANTON, N. Y.

[ϕ=44° 36′ N.; λ=75° 10′ W.]

January	29.361	30.070	28.320	5.3	11.0	....	15.3	−0.3	7.5	39	−30	3	4	....	88	72	....	0.053	0.053	.....	2.37	0.53	6.6	5.1	....	5.8
February	29.488	30.180	28.160	11.7	17.6	....	26.1	5.2	15.6	51	−27	10	10	....	90	72	....	.080	.081	.....	3.73	.96	6.8	6.9	....	6.5
March	29.502	29.990	28.920	25.2	31.7	....	36.7	20.1	28.4	60	− 6	20	20	....	82	60	....	.114	.115	.....	1.37	.46	4.9	4.1	....	3.9
April	29.582	30.109	29.010	40.0	47.3	....	52.3	32.3	42.3	75	18	31	34	....	72	61	....	.182	.210	.....	1.84	.72	4.4	4.7	....	3.7
May	29.537	30.041	28.880	57.7	64.1	....	69.1	47.4	58.2	84	30	47	50	....	70	62	....	.347	.380	.....	3.91	1.34	4.5	5.2	....	4.5
June	29.436	29.829	28.740	59.7	66.2	....	70.0	49.1	59.6	85	35	49	49	....	69	56	....	.359	.357	.....	3.57	.98	4.8	4.3	....	4.8
July	29.482	29.810	29.140	67.7	74.9	....	79.1	59.1	69.1	93	48	59	60	....	75	60	....	.514	.525	.....	3.64	1.41	3.8	4.2	....	3.5
August	29.546	30.060	29.250	66.0	74.7	....	78.0	56.0	67.0	93	39	58	58	....	74	58	....	.488	.512	.....	3.18	1.23	4.4	3.2	....	3.3
September	29.502	29.970	29.113	53.2	59.8	....	63.0	45.8	54.4	81	30	47	48	....	82	65	....	.334	.336	.....	6.05	1.24	7.3	6.6	....	6.9
October	29.587	30.087	28.970	46.8	53.9	....	56.5	39.4	48.0	72	27	42	44	....	84	71	....	.278	.304	.....	5.21	2.43	6.4	5.9	....	5.9
November	29.479	30.054	28.660	35.1	41.1	....	44.1	30.8	37.4	58	13	31	33	....	86	75	....	.179	.195	.....	2.34	6.74	6.9	7.3	....	7.2
December	29.597	30.210	29.024	22.5	27.6	....	31.7	16.4	24.0	54	− 5	20	21	....	87	78	....	.116	.124	.....	2.79	.42	7.9	6.4	....	6.8
Year	29.508	30.210	28.160	40.9	47.5	....	51.8	33.4	42.6	93	−30	35	36	....	80	66	....	.254	.266	.....	40.00	2.43	5.7	5.3	....	5.2

CAPE HENRY, VA.

[ϕ=36° 56′ N.; λ=76° 00′ W.]

January	29.929	30.410	29.100	29.0	32.5	30.5	38.2	25.1	31.6	63	9	....	28	25	....	83	81	.....	0.159	0.139	3.47	0.86	.....	6.2	3.5	5.7
February	30.108	30.680	29.370	39.3	46.5	42.3	52.2	33.5	42.8	78	8	....	34	34	....	64	73	.....	.220	.213	.36	.18	.....	3.9	3.0	3.9
March	30.030	30.590	29.530	48.6	53.7	50.2	60.1	42.0	51.0	82	29	....	40	41	....	62	73	.....	.259	.272	3.74	.89	.....	4.4	2.9	4.0
April	29.974	30.441	29.570	53.4	57.7	54.4	61.8	48.5	55.2	83	35	....	49	48	....	75	80	.....	.359	.345	3.51	1.68	.....	6.2	5.5	6.0
May	30.090	30.360	29.680	68.0	73.5	67.3	77.5	60.8	69.2	92	49	....	62	61	....	70	83	.....	.572	.559	2.59	1.53	.....	4.1	4.6	4.2
June	29.937	30.223	29.431	70.7	75.3	70.0	78.3	63.1	70.7	93	53	....	62	62	....	66	76	.....	.586	.560	5.42	3.56	.....	4.3	5.3	4.7
July	29.999	30.240	29.720	73.5	77.9	72.6	80.2	66.6	73.4	86	57	....	65	66	....	67	80	.....	.633	.645	4.56	2.65	.....	4.2	4.7	4.8
August	30.024	30.349	29.730	77.4	83.2	77.2	85.3	71.8	78.6	99	61	....	72	71	....	69	80	.....	.782	.771	2.87	2.28	.....	3.3	4.6	4.4
September	30.036	30.349	29.776	68.7	73.1	68.2	75.6	61.4	68.5	85	51	....	62	61	....	68	78	.....	.559	.544	4.43	2.86	.....	3.8	3.7	4.2
October	30.109	30.418	29.666	62.7	69.0	63.8	71.4	58.1	64.8	87	43	....	57	56	....	67	77	.....	.483	.463	.67	.36	.....	5.7	3.8	5.2
November	30.057	30.419	29.396	50.7	55.7	52.3	58.1	46.5	52.3	78	38	....	44	43	....	66	77	.....	.298	.295	1.12	.65	.....	4.7	3.7	5.0
December	30.121	30.638	29.610	45.4	49.9	47.8	53.4	41.7	47.6	73	28	....	43	41	....	78	77	.....	.289	.274	3.40	1.08	.....	6.8	6.0	7.1
Year	30.034	30.680	29.100	57.3	62.3	58.1	66.0	51.6	58.8	99	8	....	52	51	....	70	78	.....	.433	.423	36.14	3.56	.....	4.8	4.3	4.9

Annual meteorological summary for the year ending December 31, 1918—Continued.

BURLINGTON, VT.

[H_b=404 ft.; h_r=11 ft.; h_s=3 ft.; h_a=48 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	10.4	S.	56	SE.	2	3	3	2	6	7	3	3	4	0	3	13	15	12	6	16	12	0	0	30	0	31	0	0
February	16.1	S.	56	S.	8	4	1	1	2	11	3	2	4	0	5	7	16	16	10	19	10	0	2	16	0	27	1	0
March	11.8	N.	39	NW.	0	9	1	2	2	9	4	1	2	1	7	10	14	11	6	13	10	0	0	12	0	29	1	4
April	10.9	N.	38	S.	0	11	1	0	0	13	3	1	1	0	9	10	11	8	7	4	3	0	0	0	0	15	1	5
May	12.0	S.	45	S.	2	7	0	2	1	10	7	2	2	0	4	13	14	13	11	0	0	0	2	0	0	1	7	0
June	10.3	S.	50	SE.	2	4	1	3	0	11	4	3	4	0	9	11	10	13	10	0	0	0	2	0	0	0	6	0
July	7.8	S.	39	SW.	0	3	2	3	0	13	2	3	5	0	11	10	10	13	9	0	0	1	2	0	2	0	11	0
August	8.8	S.	36	S.	0	7	1	2	2	13	5	0	1	0	12	10	9	11	9	0	0	0	0	0	1	0	9	1
September	9.1	S.	33	S.	0	4	0	4	1	12	4	3	2	0	4	6	20	19	17	0	0	0	1	.0	0	0	2	1
October	11.1	S.	48	S.	3	5	1	4	1	14	2	1	3	0	6	8	17	13	12	0	0	0	4	0	0	6	3	2
November	11.8	S.	46	S.	2	4	2	3	4	10	2	1	4	0	3	8	19	12	11	7	1	0	0	1	0	18	0	0
December	11.4	S.	41	S.	2	10	1	2	2	9	1	2	4	0	4	4	23	16	11	18	12	0	2	18	0	27	0	0
Year	11.0	S.	56	S.	21	71	14	28	21	132	40	22	36	1	77	110	178	157	119	77	48	1	15	77	3	154	41	13

CAIRO, ILL.

[H_b=356 ft.; h_1=87 ft.; h_r=80 ft.; h_a=93 ft.]

January	10.1	N.	43	N.	1	17	7	2	2	7	13	9	5	0	9	7	15	12	10	12	9	0	2	22	0	29	1	0
February	11.4	S.	42	NW.	1	7	5	3	8	17	5	2	9	0	7	9	12	4	3	3	1	0	1	5	0	16	2	0
March	10.6	SW.	48	SW.	1	12	9	1	5	11	14	4	6	0	7	8	16	5	4	0	0	0	0	0	0	3	5	1
April	12.0	N.	37	SE.	0	15	6	12	6	3	7	3	8	0	4	10	16	11	10	1	0	1	0	0	0	2	12	0
May	8.5	S.	57	SW.	2	6	5	4	7	24	13	0	3	0	12	9	10	10	6	0	0	0	0	0	0	8	0	0
June	7.3	N.	27	SE.	0	13	11	2	2	12	12	4	4	0	7	13	10	10	7	0	0	0	0	0	0	6	0	0
July	6.2	S.	24	NE.	0	13	9	1	9	14	9	3	4	0	12	6	13	5	3	0	0	0	0	0	0	12	0	0
August	6.7	S.	35	NW.	0	7	4	2	2	39	8	0	2	0	11	12	8	7	6	0	0	0	0	0	0	19	0	0
September	7.0	N.	25	N.	0	22	12	4	2	12	3	1	4	0	12	4	14	9	7	0	0	0	0	0	0	0	0	0
October	7.0	NE.	36	SE.	0	11	12	10	9	8	5	4	3	0	7	9	15	10	8	0	0	0	0	0	0	0	0	0
November	9.0	N.	48	SW.	1	15	7	3	13	5	7	4	5	1	13	3	14	7	5	0	0	0	1	0	0	4	2	0
December	9.7	S.	31	SW.	0	5	6	7	6	19	7	5	7	0	9	6	16	12	11	2	0	0	0	3	0	7	1	0
Year	8.8	S.	57	SW.	6	143	93	51	71	171	101	39	60	1	110	96	159	102	80	18	10	1	4	30	40	61	54	1

CANTON, N. Y.

[H_b=448 ft.; h_1=10 ft.; h_r=4 ft.; h_a=61 ft.]

January	11.5	W.	48	W.	2	1	2	4	1	2	8	10	3	0	11	8	14	17	13	22	17	0	0	30	0	31	0	4
February	13.8	SW.	62	W.	4	1	1	3	0	2	13	6	2	0	8	5	15	13	11	17	11	0	0	17	0	27	1	0
March	13.7	SW.	60	NE.	4	3	5	2	1	0	10	6	4	0	14	11	6	8	8	17	8	0	0	10	0	28	0	6
April	12.3	SW.	52	E.	2	4	3	6	2	3	8	6	6	0	17	8	7	12	7	5	5	0	1	0	0	15	0	3
May	10.6	SW.	39	SW.	0	5	3	2	0	1	12	7	1	0	14	10	7	13	8	0	0	0	0	0	0	1	5	2
June	10.0	SW.	39	SW.	0	2	3	3	2	3	9	4	4	0	13	8	9	13	10	0	0	0	0	0	0	0	4	0
July	7.9	SW.	42	SW.	1	1	1	1	0	2	16	9	1	0	19	8	4	11	10	0	0	0	0	0	0	4	0	1
August	8.2	SW.	34	SW.	0	3	5	3	0	3	13	3	1	0	18	9	4	11	9	0	0	0	1	0	2	0	4	7
September	9.0	SW.	40	SW.	1	4	1	3	0	5	7	7	3	0	6	8	16	19	17	0	0	0	0	0	0	2	2	1
October	9.9	SW.	40	NE.	1	1	2	4	2	1	14	5	2	0	8	9	14	15	12	0	0	0	1	0	0	8	4	2
November	10.5	W.	43	W.	1	2	4	3	1	0	8	9	3	0	5	7	18	15	10	8	7	0	1	1	0	17	0	3
December	9.4	E.	33	N.	0	0	6	6	2	1	6	4	6	0	8	6	17	18	15	17	14	0	0	16	0	27	0	3
Year	10.6	SW.	62	W.	16	27	36	40	11	23	122	76	30	0	141	93	131	165	130	86	62	0	4	74	6	156	29	32

CAPE HENRY, VA.

[H_b=18 ft.; h_1=8 ft.; h_r=3 ft.; h_a=54 ft.]

June	13.7	N.*	48	S.	5	7	4	1	1	4	2	7	5	0	9	9	13	14	12	7	5	0	4	9	0	26	0	0
February	13.0	SW.	42	NW.	1	1	8	1	1	3	10	2	2	0	16	3	9	6	3	2	2	0	1	2	0	11	0	0
March	14.5	SW.	52	N.	2	2	3	5	2	7	10	1	1	0	17	6	8	16	14	0	0	0	2	0	0	1	4	0
April	15.3	SW.	53	NE.	6	2	4	3	5	3	10	0	3	0	9	7	14	11	9	0	0	0	2	0	0	0	0	0
May	11.9	SW.	44	N.	1	1	1	4	5	8	11	1	0	0	17	7	7	5	3	0	0	0	1	3	0	1	0	0
June	13.7	SW.	54	E.	5	3	3	3	4	14	2	1	0	0	14	8	8	8	6	0	0	0	0	0	0	3	0	0
July	9.6	S.	46	N.	2	1	4	3	3	12	3	2	2	1	12	9	10	13	9	0	0	0	0	0	0	0	0	0
August	11.5	E.	46	NE.	5	1	1	10	3	4	9	3	0	0	13	13	5	8	5	0	0	0	0	0	0	8	0	0
September	12.8	SW.	50	N.	3	1	5	4	8	6	5	0	1	0	11	14	5	8	8	0	0	0	0	0	0	0	0	0
October	14.0	SW.	44	NE.	3	4	6	2	5	4	10	0	0	0	10	11	10	7	4	0	0	0	2	0	0	0	1	0
November	14.5	N.	44	N.	2	5	8	2	2	4	5	2	2	0	11	11	8	2	2	0	0	0	0	0	0	0	0	0
December	15.0	NE.	52	NE.	4	4	8	1	2	5	5	2	4	0	7	6	18	12	11	1	0	0	5	0	0	3	0	0
Year	13.3	SW.	54	E.	39	32	55	39	41	74	82	21	20	1	146	104	115	110	86	10	7	1	19	11	12	41	40	0

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1918—Continued.

CAPE MAY, N. J.

[ϕ=38° 56′ N.; λ=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.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	29.940	30.443	28.987	23.3	....	25.6	31.0	20.1	25.6	50	3	....	....	....	....	....	....	....	....	....	3.54	0.96	6.4	....	4.0	5.4
February	30.134	30.738	29.451	30.3	....	32.8	39.6	25.2	32.4	60	0	....	....	....	....	....	....	....	....	....	1.17	.43	5.5	....	4.7	5.0
March	30.032	30.605	29.515	40.4	....	42.0	51.0	34.7	42.8	75	21	....	....	....	....	....	....	....	....	....	3.48	1.03	3.1	....	3.5	4.4
April	30.017	30.520	29.655	47.2	....	47.2	55.5	42.7	49.1	78	34	....	....	....	....	....	....	....	....	....	2.94	1.42	4.9	....	5.7	6.0
May	30.100	30.412	29.763	58.6	....	59.4	69.1	54.7	61.9	82	46	....	....	....	....	....	....	....	....	....	3.16	1.19	4.4	....	3.2	4.7
June	29.963	30.244	29.504	63.6	....	64.5	72.2	59.5	65.8	93	54	....	....	....	....	....	....	....	....	....	2.62	1.48	4.7	....	3.7	4.8
July	30.006	30.226	29.809	69.0	....	69.8	78.8	65.3	72.0	86	56	....	....	....	....	....	....	....	....	....	1.20	.45	3.4	....	3.9	3.8
August	30.052	30.428	29.844	71.1	....	73.3	81.4	68.7	75.0	100	54	....	....	....	....	....	....	....	....	....	.48	.20	4.2	....	3.5	4.2
September	30.062	30.385	29.813	61.6	....	65.7	73.2	57.5	65.4	80	48	....	....	....	....	....	....	....	....	....	3.41	.82	3.4	....	2.7	3.9
October	30.139	30.489	29.718	55.7	....	59.8	67.0	52.9	60.0	78	42	....	....	....	....	....	....	....	....	....	1.56	.89	4.0	....	2.5	4.2
November	30.067	30.493	29.401	44.9	....	47.4	53.5	41.6	47.6	64	29	....	....	....	....	....	....	....	....	....	.73	.38	4.0	....	4.1	4.9
December	30.141	30.690	29.643	39.3	....	41.6	46.8	35.6	41.2	62	26	....	....	....	....	....	....	....	....	....	3.55	.82	5.3	....	5.9	6.2
Year	30.055	30.738	28.987	50.4	....	52.4	59.9	46.5	53.2	100	0	....	....	....	....	....	....	....	....	....	27.84	1.48	4.4	....	4.0	4.8

CHARLES CITY, IOWA.

[ϕ=43° 04′ N.; λ=92° 38′ W.]

January	28.866	29.507	28.350	0.7	9.7	6.7	14.9	−4.9	5.0	37	−27	−2	4	4	90	76	87	0.041	0.052	0.055	0.85	0.19	6.3	6.1	4.4	6.2
February	28.915	29.760	28.050	13.2	24.2	22.0	29.7	8.3	19.0	54	−27	11	16	17	88	71	81	.086	.103	.106	.24	.13	5.0	5.7	4.5	5.8
March	28.938	29.510	28.300	30.4	47.4	43.4	51.6	27.8	39.7	75	3	28	28	30	83	50	61	.146	.152	.170	1.26	.64	4.3	4.2	3.4	4.7
April	28.930	29.582	28.170	36.2	48.8	47.7	54.4	31.8	43.1	68	22	29	28	30	74	47	53	.162	.160	.173	1.99	.44	5.8	5.5	4.7	5.2
May	28.840	29.304	28.070	57.4	69.2	66.9	74.0	51.3	62.6	91	31	49	50	50	75	55	60	.372	.393	.398	8.41	2.79	5.8	5.3	5.5	5.6
June	28.885	29.210	28.600	62.8	72.8	72.6	77.4	58.4	67.9	96	45	56	58	59	81	62	64	.468	.497	.518	3.92	.89	6.7	5.4	5.0	5.7
July	28.968	29.197	28.780	65.7	78.2	75.9	82.0	60.2	71.1	95	47	60	60	62	81	56	64	.518	.540	.575	7.24	3.62	4.8	4.4	5.5	4.8
August	28.909	29.180	28.640	66.2	78.9	75.3	82.6	61.9	72.2	98	46	61	61	64	83	57	69	.539	.548	.614	5.48	3.87	5.8	4.9	5.0	4.5
September	29.012	29.360	28.750	47.6	63.4	56.4	66.8	43.8	55.3	85	31	43	46	47	85	56	72	.287	.335	.329	4.07	2.21	5.8	4.7	4.4	4.9
October	28.940	29.312	28.130	45.0	57.8	52.8	61.5	41.8	51.6	84	26	41	44	42	87	62	70	.266	.293	.279	3.13	1.87	6.1	5.5	4.2	5.6
November	28.914	29.460	28.150	32.8	42.7	39.5	45.8	29.9	37.8	69	12	30	34	33	90	72	78	.181	.211	.203	1.80	.63	6.2	5.4	5.0	5.9
December	28.918	29.340	28.490	27.2	33.1	30.3	36.4	23.6	30.0	52	8	25	28	28	90	80	88	.140	.157	.154	1.19	.38	7.1	7.4	6.3	7.5
Year	28.920	29.760	28.050	40.4	52.2	49.1	56.4	36.2	46.3	98	−27	36	38	39	84	62	71	.267	.287	.298	39.58	3.87	5.8	5.4	4.8	5.5

CHARLESTON, S. C.

[ϕ=32° 47′ N.; λ=79° 56′ W.]

January	29.942	30.309	29.230	36.5	47.2	42.6	51.2	33.5	42.4	73	18	30	32	34	78	57	72	0.184	0.203	0.215	1.13	0.42	4.2	3.6	4.0	3.8
February	30.120	30.520	29.600	49.7	59.8	54.1	63.5	46.9	55.2	78	27	45	46	48	85	63	80	.323	.338	.346	1.31	.75	4.8	3.8	3.5	4.1
March	30.013	30.550	29.700	57.3	66.8	60.4	69.9	54.0	62.0	82	41	51	51	52	81	60	76	.393	.396	.403	1.65	1.04	4.4	4.8	3.2	4.5
April	29.930	30.260	29.650	60.9	68.2	63.1	70.6	56.4	63.5	83	43	54	55	56	79	65	79	.438	.456	.469	2.49	1.20	5.3	4.3	5.2	5.1
May	30.096	30.370	29.850	72.4	77.9	72.1	80.2	66.3	73.2	88	50	64	64	65	76	65	79	.620	.622	.626	3.65	1.46	3.3	3.5	3.0	3.3
June	29.903	30.140	29.560	77.3	82.4	77.6	84.6	72.5	78.6	97	68	68	67	69	73	61	74	.688	.666	.707	.27	.38	4.5	4.5	5.2	4.9
July	29.970	30.180	29.750	77.0	84.8	78.4	86.7	72.0	79.4	100	64	68	66	70	74	56	75	.686	.657	.726	7.69	2.75	5.1	4.6	5.3	5.0
August	30.014	30.210	29.850	80.0	87.0	80.8	89.5	74.9	82.2	99	67	71	70	73	75	59	77	.769	.749	.809	2.37	1.37	2.9	4.6	3.9	4.1
September	29.984	30.310	29.720	70.3	78.7	73.5	80.6	65.9	73.2	92	54	63	64	66	79	61	77	.598	.605	.642	3.10	1.28	3.4	4.6	3.4	4.1
October	30.047	30.250	29.770	67.6	75.5	70.7	76.8	64.6	70.7	86	56	62	62	64	82	64	80	.565	.568	.607	1.66	1.23	6.1	5.6	5.5	6.1
November	30.045	30.340	29.620	51.8	62.1	57.4	63.8	49.3	56.6	77	42	45	45	48	77	57	71	.307	.318	.343	2.34	.57	4.0	3.8	3.8	3.9
December	30.093	30.440	29.690	49.9	57.7	53.4	59.8	47.2	53.5	74	29	44	47	47	82	70	80	.316	.347	.343	3.17	.99	6.2	6.6	6.2	6.8
Year	30.013	30.550	29.230	62.6	70.7	65.3	73.1	58.6	65.9	100	18	55	56	58	78	62	77	.491	.494	.520	31.33	2.75	4.5	4.5	4.4	4.6

CHARLOTTE, N. C.

[ϕ=35° 13′ N.; λ=80° 51′ W.]

January	29.096	29.530	28.190	27.3	33.9	34.7	40.6	24.2	32.4	56	6	23	25	26	84	70	70	0.130	0.142	0.149	3.82	0.89	5.2	5.1	5.4	5.4
February	29.297	29.750	28.550	41.4	50.4	52.5	57.6	39.5	48.6	75	21	35	37	39	79	64	63	.223	.240	.260	1.99	.73	5.4	5.5	5.0	5.6
March	29.221	29.740	28.800	49.3	60.3	58.9	65.6	45.9	55.8	82	32	41	40	41	74	50	55	.272	.264	.279	2.33	.80	5.6	5.8	5.1	5.5
April	29.154	29.540	28.890	52.1	62.1	59.0	66.8	48.1	57.4	83	37	46	46	46	82	59	66	.329	.331	.329	5.47	1.84	6.5	6.9	6.5	6.9
May	29.295	29.620	28.970	67.0	78.4	73.4	82.8	61.8	72.3	96	41	59	56	58	77	50	62	.523	.477	.507	2.92	1.36	4.2	5.4	4.2	5.3
June	29.135	29.406	28.770	70.5	80.1	77.1	84.8	65.7	75.2	98	56	63	61	62	79	55	68	.590	.543	.565	2.43	1.06	5.7	6.5	6.2	6.2
July	29.200	29.430	28.950	71.5	81.6	76.5	85.9	66.0	76.0	96	56	65	62	62	80	53	64	.617	.562	.568	1.90	.58	5.3	6.3	5.5	6.2
August	29.244	29.550	29.040	73.6	85.3	78.9	89.4	68.3	78.8	99	56	68	66	68	82	55	70	.681	.655	.679	2.18	.68	3.3	3.9	5.3	4.7
September	29.229	29.570	28.995	61.7	72.9	68.5	76.9	57.0	67.0	90	43	58	55	56	81	56	67	.459	.456	.465	5.83	2.99	5.1	4.6	3.6	4.5
October	29.287	29.570	28.860	57.7	69.4	65.6	73.2	54.8	64.0	86	42	53	54	54	86	60	68	.421	.441	.434	3.00	1.30	5.8	6.3	5.0	6.0
November	29.257	29.630	28.740	43.7	56.3	52.9	59.9	41.5	50.7	75	31	39	40	39	84	57	62	.244	.260	.252	3.23	1.67	4.1	4.2	3.7	4.0
December	29.285	29.760	28.850	41.3	50.2	48.5	54.9	39.4	47.2	71	24	38	40	41	89	71	74	.251	.272	.274	4.35	1.11	6.7	6.5	5.9	6.5
Year	29.225	29.760	28.190	54.8	65.1	62.2	69.9	51.0	60.4	99	6	49	48	49	81	58	65	.395	.387	.397	39.38	2.99	5.2	5.6	5.4	5.6

Annual meteorological summary for the year ending December 31, 1918—Continued.

CAPE MAY, N. J.

[H_b=17 ft.; h_1=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.	Aurora.
	Miles.	(*)	*Mi.*																									
January	10.7	NW.	52	SE.	1	11	6	3	2	5	5	14	16	0	11	9	11	12	11	11	8	1	1	16	0	30	0	....
February	9.5	S.	42	NW.	1	6	5	3	4	15	4	6	13	0	12	6	10	8	6	2	2	0	6	6	0	20	1	....
March	9.8	N.	42	NW.	1	12	5	3	7	9	10	7	9	0	13	12	6	12	9	1	0	0	6	0	0	10	0	....
April	11.5	S.	54	NE.	2	6	11	8	5	13	4	5	8	0	7	11	12	11	8	0	0	0	4	0	0	0	2	....
May	8.7	S.	30	NW.	0	0	9	5	3	22	8	8	6	1	11	15	5	8	6	0	0	0	6	0	0	0	3	....
June	9.0	S.	34	NW.	0	2	7	6	2	23	8	2	10	0	12	9	9	7	7	0	0	0	1	0	1	0	4	....
July	6.6	S.	27	NW.	0	6	4	5	2	21	7	7	10	0	16	12	3	6	4	0	0	0	2	0	0	0	2	....
August	7.7	S.	30	NW.	0	8	0	12	9	15	9	6	3	0	13	13	5	9	4	0	0	0	5	0	3	0	4	....
September	8.3	N.	30	NW.	0	13	5	5	6	10	6	8	7	0	16	9	5	12	9	0	0	0	0	0	0	0	4	....
October	8.2	SE.	29	SE.	0	10	4	3	10	9	9	8	9	0	14	11	6	8	7	0	0	0	4	0	0	0	1	....
November	9.9	NW.	40	SE.	1	12	3	1	1	6	4	8	19	0	12	10	8	7	5	0	0	0	2	0	0	2	0	....
December	9.4	NW.	39	S.	0	9	11	4	4	9	4	8	13	0	7	11	13	14	11	3	1	0	4	0	0	12	0	....
Year	9.1	S.	54	NE.	6	95	70	58	55	157	78	87	123	1	144	128	93	114	87	17	11	1	41	22	4	74	21	....

CHARLES CITY, IOWA.

[H_b=1,015 ft.; h_1=10 ft.; h_r=4 ft.; h_a=49 ft.]

January	8.0	NW.	24	NW.	0	9	9	3	2	3	3	8	25	0	7	12	12	11	8	17	11	0	0	28	0	31	0	0
February	7.9	NW.	26	NE.	0	7	5	2	12	6	6	5	13	0	6	15	7	4	3	5	3	0	0	13	0	27	0	0
March	7.7	SE.	24	E.	0	5	12	9	10	9	7	2	8	0	15	10	6	4	3	3	2	0	2	2	0	22	1	1
April	7.8	SE.	24	W.	0	6	11	8	17	6	1	3	8	0	9	13	8	9	8	2	2	0	0	0	0	18	0	1
May	8.8	S.	36	SW.	0	5	3	6	8	18	11	2	9	0	7	15	9	13	12	0	0	1	0	0	2	2	11	1
June	6.0	SE.	24	SW.	0	7	5	6	15	4	9	5	9	0	5	18	7	13	11	0	0	1	0	0	3	0	8	0
July	4.9	SE.	24	S.	0	4	6	12	12	10	6	3	9	0	13	12	6	10	10	0	0	0	0	0	4	0	8	0
August	5.3	SE.	22	NE.	0	4	7	9	17	6	6	4	8	1	8	20	3	8	7	0	0	0	0	0	3	0	5	0
September	4.8	NW.	19	NW.	0	13	7	2	10	7	3	3	12	3	10	13	7	6	6	0	0	0	0	0	0	1	2	0
October	6.5	NW.	24	SE.	0	2	5	4	12	13	5	3	18	0	12	7	12	7	6	1	0	0	1	0	0	1	0	1
November	8.2	NW.	24	SE.	0	6	4	2	12	8	3	9	15	1	9	7	14	8	7	5	2	0	0	4	0	20	0	0
December	6.6	SE.	24	W.	0	8	2	8	13	10	5	4	11	1	4	6	21	9	7	9	6	0	4	9	0	27	0	0
Year	6.9	SE.	36	SW.	0	78	76	71	140	100	65	51	145	6	105	148	112	102	88	42	26	2	7	56	12	149	35	3

CHARLESTON, S. C.

[H_b=48 ft.; h_1=11 ft.; h_r=76 ft.; h_a=92 ft.]

January	10.9	W.	47	S.	2	7	4	1	2	3	19	16	10	0	18	4	9	11	7	2	1	0	3	2	0	15	1	0
February	10.4	SW.	31	SW.	0	5	6	8	3	6	13	9	6	0	14	7	7	6	5	0	0	0	3	0	0	1	0	0
March	11.7	SW.	31	S.	0	8	13	8	0	6	18	3	6	0	14	9	8	5	3	0	0	0	3	0	0	0	1	0
April	11.9	SW.	47	E.	1	5	7	8	7	6	16	5	5	1	11	8	11	9	5	0	0	0	0	0	0	0	1	0
May	9.7	S.	33	NE.	0	2	8	9	4	17	15	5	2	0	18	7	6	5	4	0	0	0	0	0	0	0	3	0
June	10.3	S.	35	NE.	0	3	13	9	7	14	8	5	1	0	11	11	8	6	2	0	0	0	0	0	4	0	6	0
July	8.7	S.	32	NW.	0	9	6	4	7	9	12	8	7	0	11	9	11	13	11	0	0	0	1	0	0	7	0	0
August	9.9	SW.	36	NW.	0	4	5	7	0	8	25	9	3	1	16	10	5	7	6	0	0	0	0	0	14	0	9	0
September	9.8	NE.	35	W.	0	17	15	11	2	5	4	1	5	0	14	7	9	8	8	0	0	0	0	0	1	0	6	0
October	11.4	NE.	38	NE.	0	10	24	6	10	3	4	3	2	0	6	13	12	4	4	0	0	0	0	0	0	0	0	0
November	10.5	N.	31	N.	0	14	14	4	4	3	7	5	8	1	18	2	10	8	7	0	0	0	0	0	0	0	0	0
December	10.9	W.	36	E.	0	6	12	2	2	7	11	14	8	0	9	1	21	11	10	0	0	0	2	0	0	1	1	0
Year	10.5	SW.	47	S.	3	90	127	77	48	87	152	83	63	3	160	88	117	93	72	2	1	1	11	2	26	17	39	0

CHARLOTTE, N. C.

[H_b=779 ft.; h_1=55 ft.; h_r=47 ft.; h_a=62 ft.]

January	10.8	SW.	60	SW.	3	2	11	5	2	5	27	4	6	0	13	5	13	14	12	4	2	0	2	5	0	27	1	0
February	11.1	SW.	48	W.	1	2	7	8	2	11	16	2	8	0	10	7	11	9	5	1	0	0	4	0	0	8	3	0
March	11.6	NE.	44	SW.	2	5	19	5	1	8	15	6	3	0	10	9	12	10	10	0	0	0	2	0	0	1	3	0
April	8.4	SW.	26	W.	0	3	13	9	3	7	12	3	5	0	4	11	15	13	9	0	0	0	1	0	0	0	4	0
May	4.8	SW.	18	SW.	0	5	7	3	4	15	21	4	3	0	8	16	7	9	7	0	0	0	0	0	6	0	3	0
June	4.6	S.	25	NW.	0	3	13	7	5	12	11	7	2	0	8	9	13	10	8	0	0	0	0	0	6	0	5	0
July	4.0	N.	19	NW.	0	15	12	9	5	5	5	3	8	0	7	11	13	14	10	0	0	0	0	0	5	0	8	0
August	3.8	SW.	40	NW.	1	7	13	3	4	8	14	6	7	0	11	13	7	7	6	0	0	0	1	0	18	0	8	0
September	4.3	NE.	21	W.	0	11	21	4	4	9	8	1	2	0	13	10	7	8	7	0	0	0	0	0	0	0	3	0
October	4.9	NE.	25	SW.	0	4	22	7	5	7	10	2	1	4	10	6	15	7	5	0	0	0	2	0	0	0	0	0
November	4.8	NE.	23	SW.	0	13	18	5	2	4	12	1	3	2	14	9	7	5	3	0	0	0	0	0	0	1	2	0
December	6.2	NE.	27	NW.	0	4	23	4	1	5	16	6	4	0	6	9	16	13	10	2	1	0	4	0	0	5	0	0
Year	6.4	NE.	60	SW.	7	79	178	69	38	96	167	45	52	6	114	115	136	119	92	7	3	0	16	5	35	42	10	0

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1918—Continued.

CHATTANOOGA, TENN.

[ϕ=35° 04′ N.; λ=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.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In*				
January	29.154	29.500	28.260	27.9	34.0	34.5	39.1	24.8	32.0	67	−1	22	24	26	76	67	69	0.134	0.147	0.152	7.37	2.00	7.4	6.4	5.9	6.7
February	29.348	29.860	28.720	41.0	50.1	52.3	57.6	37.7	47.6	78	14	34	37	36	76	61	57	.211	.239	.240	3.68	1.14	7.1	6.7	5.6	6.4
March	29.264	29.720	28.900	50.0	61.7	62.7	68.1	47.4	57.8	81	33	42	45	44	74	56	53	.283	.315	.308	1.98	.82	5.6	5.2	5.4	5.7
April	29.175	29.400	28.940	52.3	60.9	61.3	65.8	49.9	57.8	82	33	46	48	48	79	65	64	.330	.353	.355	8.05	3.32	7.8	7.8	6.6	7.3
May	29.313	29.660	29.025	64.7	77.8	76.4	81.9	60.5	71.2	94	42	58	57	58	78	50	55	.493	.479	.500	2.43	1.98	4.2	5.4	4.0	4.6
June	29.162	29.360	28.880	71.1	82.0	79.5	85.8	67.3	76.6	97	58	63	63	64	76	54	62	.582	.582	.612	2.86	.77	5.4	5.9	5.8	5.6
July	29.246	29.470	28.980	69.6	81.5	78.4	85.4	66.0	75.7	94	58	62	60	62	77	51	60	.562	.535	.564	4.47	2.24	5.0	5.2	6.4	5.4
August	29.272	29.520	29.070	72.2	85.8	83.3	90.7	69.7	80.2	97	60	65	64	66	79	50	57	.627	.614	.643	1.28	.50	4.5	4.6	5.5	4.6
September	29.263	29.600	29.030	59.7	72.9	70.1	77.4	57.4	67.4	90	45	54	54	55	81	53	62	.427	.427	.450	1.25	.37	5.5	5.0	5.0	5.2
October	29.285	29.540	28.940	58.6	68.9	67.1	72.6	56.8	64.7	88	46	51	53	54	78	60	65	.391	.416	.432	6.82	2.92	7.3	6.3	5.5	6.1
November	29.313	29.610	28.850	43.0	54.9	52.8	58.5	41.6	50.0	72	32	37	37	38	80	52	59	.230	.224	.241	2.86	1.38	4.5	4.2	4.2	4.4
December	29.318	29.670	28.860	43.5	51.7	51.3	56.1	40.9	48.5	73	23	38	39	39	81	64	64	.252	.261	.257	5.23	1.91	5.8	6.0	5.7	6.5
Year	29.259	29.860	28.260	54.5	65.2	64.1	69.9	51.7	60.8	97	−1	48	48	49	78	57	61	.377	.383	.396	48.38	3.32	5.8	5.7	5.5	5.7

CHEYENNE, WYO.

[ϕ=41° 08′ N.; λ=104° 48′ W.]

January	23.811	24.140	23.450	18.3	24.8	19.5	29.9	9.7	19.8	59	−16	9	12	10	68	60	68	0.066	0.083	0.076	0.47	0.16	5.2	6.7	5.9	6.2
February	23.891	24.290	23.410	25.7	35.9	31.7	41.7	17.2	29.4	66	−13	10	12	13	55	42	48	.073	.077	.081	.89	.45	4.6	4.7	5.1	5.1
March	23.954	24.400	23.470	33.9	47.6	46.6	52.7	29.0	40.8	65	10	20	22	24	59	41	45	.117	.123	.133	.19	.16	4.1	5.1	6.2	5.1
April	23.910	24.310	23.550	39.0	49.2	48.7	53.8	25.7	34.8	61	9	24	26	26	81	60	66	.130	.145	.146	3.92	.98	7.5	6.8	7.1	7.6
May	23.918	24.230	23.596	42.0	58.5	57.3	63.3	38.1	50.7	75	26	32	30	31	71	40	45	.187	.172	.187	2.60	.72	4.9	6.6	7.2	6.4
June	24.098	24.280	23.830	55.5	74.2	71.6	78.1	52.1	65.1	90	36	45	44	45	70	38	44	.310	.306	.317	1.24	.43	3.8	4.5	6.0	4.7
July	24.136	24.310	23.940	56.6	74.3	71.5	78.1	53.3	65.7	89	46	48	48	49	76	44	52	.343	.350	.363	3.90	1.11	3.3	4.5	6.5	5.2
August	24.102	24.300	23.940	55.1	74.6	71.5	77.9	52.1	65.0	92	42	46	48	48	75	42	47	.322	.347	.346	1.68	.79	4.3	4.7	5.6	5.3
September	24.132	24.390	23.850	45.4	59.6	56.7	64.0	42.2	53.1	81	32	39	40	41	81	55	62	.239	.252	.262	2.57	.83	6.0	6.1	5.7	6.4
October	24.060	24.300	23.480	41.9	56.2	51.1	59.2	37.3	48.2	74	16	34	35	36	73	47	60	.197	.208	.219	.68	.19	5.3	6.3	5.9	5.8
November	23.961	24.270	23.520	26.2	39.3	32.1	41.4	20.4	30.9	63	−9	18	19	19	72	46	59	.100	.104	.106	.54	.29	4.1	4.3	4.1	4.1
December	23.942	24.180	23.570	24.4	31.8	27.5	34.3	19.1	26.7	56	−12	16	19	16	72	61	62	.094	.105	.092	.58	.20	4.8	5.6	4.8	5.3
Year	23.993	24.400	23.410	37.8	51.4	48.0	55.4	33.0	44.2	92	−16	28	30	30	71	48	55	.181	.189	.194	19.26	1.11	4.8	5.5	5.8	5.6

CHICAGO, ILL.

[ϕ=41° 53′ N.; λ=87° 37′ W.]

January	29.013	29.620	28.310	11.0	15.1	14.9	19.6	7.0	13.3	35	−14	6	9	8	79	74	73	0.058	0.063	0.061	4.12	1.44	5.4	6.0	5.5	6.1
February	29.131	29.970	28.260	24.1	30.3	29.7	35.3	19.2	27.2	61	−10	19	23	22	80	75	74	.122	.147	.133	2.81	.79	5.3	5.2	5.3	5.8
March	29.156	29.670	28.330	36.9	44.7	44.8	50.7	34.0	42.2	74	18	28	31	31	71	60	60	.158	.178	.179	2.05	1.31	3.9	4.5	3.9	4.6
April	29.129	29.760	28.590	42.2	45.1	44.4	49.5	38.4	44.0	76	29	34	34	33	73	67	64	.204	.207	.193	3.41	.90	5.6	6.2	5.2	6.0
May	29.113	29.530	28.430	59.4	68.1	65.0	73.5	53.9	63.7	89	36	51	54	52	74	61	65	.397	.435	.413	4.57	1.84	4.5	4.6	4.9	4.6
June	29.088	29.340	28.740	64.7	71.1	67.8	74.9	58.9	66.9	93	51	53	53	53	68	56	61	.422	.423	.422	1.69	.42	4.7	4.0	4.8	4.3
July	29.174	29.380	29.010	69.3	73.9	72.2	77.5	65.0	71.2	93	53	59	59	58	71	62	63	.516	.515	.498	2.66	.87	4.6	4.9	4.5	4.3
August	29.133	29.440	28.870	71.8	78.4	78.9	82.3	69.1	75.7	102	59	63	63	63	74	61	60	.582	.576	.579	1.27	.57	5.5	5.8	3.7	4.7
September	29.193	29.580	28.860	55.8	63.4	61.8	66.1	53.1	59.6	82	40	48	47	48	75	58	64	.342	.341	.356	1.84	.82	5.5	6.2	4.1	5.4
October	29.163	29.504	28.570	53.6	60.2	59.3	63.6	51.2	57.4	80	37	46	46	47	76	63	67	.320	.329	.337	2.94	1.92	5.9	5.4	5.2	5.5
November	29.140	29.560	28.200	40.8	46.2	45.6	49.0	38.0	43.5	68	21	34	35	34	76	64	63	.207	.212	.202	2.65	1.03	5.6	5.4	4.9	5.4
December	29.133	29.640	28.670	35.5	39.1	39.3	41.9	33.5	37.7	56	14	29	30	31	76	71	72	.164	.176	.181	3.24	.83	6.7	7.9	7.5	7.5
Year	29.130	29.970	28.200	47.1	53.0	52.0	57.0	43.4	50.2	102	−14	39	40	40	74	64	66	.291	.300	.296	33.25	1.92	5.3	5.5	5.0	5.4

CINCINNATI, OHIO.

[ϕ=39° 06′ N.; λ=84° 30′ W.]

January	29.253	29.720	28.360	12.2	19.7	19.2	24.3	8.3	16.3	45	−16	10	14	16	91	79	85	0.074	0.089	0.090	4.30	1.19	7.0	6.5	7.3	6.7
February	29.405	30.160	28.450	29.2	37.1	37.7	44.7	24.3	34.5	72	−5	24	28	30	82	70	72	.152	.180	.190	1.61	.56	6.4	5.9	5.3	6.2
March	29.375	29.890	28.820	39.6	53.1	51.8	59.9	35.2	47.6	78	23	32	35	34	76	54	54	.194	.219	.207	2.28	.83	5.9	5.3	3.9	5.1
April	29.314	29.754	28.850	45.8	55.0	53.2	60.2	41.6	50.9	77	25	40	39	40	79	59	63	.256	.258	.262	3.38	1.16	6.8	7.1	7.0	7.0
May	29.391	29.787	28.860	64.4	74.9	71.5	79.1	58.5	68.8	90	36	55	56	55	74	54	59	.466	.474	.458	4.06	2.19	5.6	6.4	4.8	5.5
June	29.287	29.548	28.940	66.8	77.3	74.8	81.6	59.1	70.4	93	46	57	58	56	73	54	54	.487	.505	.471	5.97	2.45	4.1	4.8	5.1	4.8
July	29.373	29.580	29.140	68.0	79.1	74.5	83.1	61.8	72.4	92	51	60	60	61	77	54	65	.542	.541	.551	3.05	.98	5.0	6.1	6.9	5.3
August	29.361	29.629	29.151	73.3	84.4	79.5	88.7	68.5	78.6	101	55	65	65	65	78	54	64	.627	.626	.626	4.53	1.78	3.8	4.0	5.5	4.6
September	29.405	29.790	29.110	53.6	67.4	62.4	70.6	49.2	59.9	82	34	49	49	50	86	54	66	.363	.366	.378	2.70	.92	4.0	4.5	5.3	5.2
October	29.408	29.705	28.990	52.4	65.9	61.5	69.2	48.7	59.0	85	38	48	48	48	86	55	63	.343	.347	.344	2.68	.70	5.7	6.1	4.7	5.3
November	29.417	29.734	28.750	38.2	48.0	45.5	51.1	35.8	43.4	67	22	33	33	34	83	57	64	.198	.196	.198	1.65	.83	6.1	5.9	5.2	5.9
December	29.393	29.830	28.860	38.5	45.2	43.6	48.8	34.7	41.8	66	20	34	35	35	84	69	73	.215	.224	.222	4.68	1.62	7.4	7.2	6.8	7.2
Year	29.365	30.160	28.360	48.5	58.9	56.3	63.4	43.8	53.6	101	−16	42	43	44	81	59	66	.327	.335	.333	40.88	2.45	5.8	5.8	5.6	5.9

Annual meteorological summary for the year ending December 31, 1918—Continued.

CHATTANOOGA, TENN.

[H_b=762 ft.; h_s=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.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. 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	8.5	W.	44	W.	2	2	11	1	5	8	11	13	11	0	8	5	18	20	13	12	11	0	2	8	0	22	1	0
February	9.0	S.	53	NW.	1	3	8	1	3	13	11	6	11	0	5	11	12	12	9	0	0	0	4	0	0	7	3	0
March	9.1	NE.	46	W.	1	4	14	2	5	11	10	6	10	0	6	15	10	11	6	0	0	0	0	0	0	0	6	1
April	10.3	SW.	48	NW.	1	9	9	2	3	11	15	4	7	0	2	10	18	15	12	2	0	0	0	0	0	0	6	0
May	6.5	SW.	38	S.	0	2	7	0	6	13	19	12	3	0	9	16	6	6	4	0	0	0	0	0	4	0	6	0
June	7.1	W.	36	NW.	0	2	15	1	4	10	9	15	4	0	8	12	10	14	11	0	0	0	0	0	7	0	9	0
July	6.4	NE.	42	SW.	1	12	15	3	10	0	8	7	7	0	8	14	9	10	8	0	0	0	0	0	7	0	9	0
August	6.0	SW.	46	NW.	1	4	4	2	6	10	18	15	3	0	10	19	2	8	6	0	0	0	1	0	19	0	11	0
September	5.8	NE.	30	NW.	0	9	20	0	2	6	3	10	10	0	11	7	12	10	6	0	0	0	3	0	0	0	6	0
October	6.8	NE.	31	NW.	0	3	17	2	6	15	8	6	5	0	8	11	12	13	13	0	0	0	1	0	0	0	1	0
November	7.1	NW.	48	S.W.	1	8	11	2	8	5	7	8	11	0	14	8	8	7	5	0	0	0	5	0	0	1	0	0
December	8.4	SW.	31	NW.	0	5	7	2	6	12	13	11	5	1	7	9	15	10	8	2	0	0	5	0	0	8	0	0
Year	7.6	NE.	53	NW.	8	63	138	18	64	114	132	113	87	1	96	137	132	136	101	16	11	0	21	8	37	39	58	1

CHEYENNE, WYO.

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

January	16.6	NW.	61	W.	10	6	6	0	1	0	8	15	26	0	5	17	9	10	4	18	10	0	1	18	0	28	0	0
February	19.3	W.	76	W.	14	6	4	0	1	6	10	20	9	0	8	15	5	8	7	10	8	0	0	7	0	25	0	0
March	14.7	W.	72	W.	8	7	3	1	0	8	7	25	11	0	9	13	9	4	2	6	3	0	0	0	0	19	0	1
April	13.8	N.	47	NW.	7	12	9	5	4	8	3	7	12	0	3	7	20	19	15	16	12	3	3	6	0	23	7	0
May	13.6	W.	49	W.	6	5	4	5	8	7	3	20	10	0	2	19	10	12	10	3	2	0	1	0	0	3	8	1
June	10.4	W.	36	NW.	0	3	2	4	8	8	4	22	11	0	11	12	7	10	6	0	0	0	1	1	0	1	11	0
July	8.9	S.	48	NE.	2	7	3	4	6	11	7	16	8	0	7	19	5	16	11	0	0	0	3	1	0	0	17	0
August	9.6	S.	44	NW.	1	6	6	4	4	12	8	14	8	0	7	14	10	12	8	0	0	0	1	0	0	1	15	0
September	10.2	W.	44	W.	1	5	12	4	4	11	5	12	7	0	9	8	13	12	9	1	1	1	0	0	0	1	6	0
October	10.9	W.	44	W.	2	8	3	2	3	10	4	20	12	0	9	12	10	8	5	5	2	0	0	0	0	9	1	1
November	12.8	W.	48	W.	5	7	3	1	0	3	10	20	16	0	17	8	5	5	4	6	5	0	0	7	0	25	0	0
December	16.4	W.	58	W.	8	12	3	1	0	5	2	21	18	0	12	8	11	6	4	10	6	0	0	13	0	26	0	1
Year	13.1	W.	76	W.	64	84	58	31	39	87	71	212	148	0	99	152	114	122	85	75	49	9	7	51	2	159	65	4

CHICAGO, ILL.

[H_b=823 ft.; h_s=140 ft.; h_r=133 ft.; h_a=310 ft.]

January	14.6	W.	44	NE.	4	2	9	2	3	4	13	9	20	0	9	7	15	15	13	22	15	0	1	30	0	31	0	0
February	14.0	SW.	48	W.	3	2	5	1	2	9	17	11	9	0	6	13	9	13	12	11	6	0	3	13	0	23	2	0
March	12.6	SW.	46	SW.	1	8	12	3	4	3	20	2	10	0	13	11	7	7	4	6	3	0	1	1	0	11	4	1
April	14.5	NE.	37	SW.	0	10	20	6	4	3	6	9	2	0	9	7	14	14	12	6	0	0	1	0	0	4	2	0
May	13.7	SW.	40	SW.	2	8	5	6	2	14	17	7	3	0	13	13	5	13	11	0	0	1	1	0	0	0	9	0
June	10.7	N.	36	W.	0	15	9	5	5	3	11	7	5	0	13	14	3	11	7	0	0	0	2	0	0	2	7	0
July	9.2	NE.	28	NW.	0	12	13	6	2	7	11	4	7	0	16	10	5	12	7	0	0	0	0	0	0	4	8	0
August	9.8	SW.	32	NW.	0	7	12	4	6	4	17	5	7	0	11	14	6	10	7	0	0	0	0	0	0	7	8	0
September	10.4	SW.	31	SW.	0	7	12	4	0	6	13	7	11	0	9	11	10	7	6	0	0	0	1	0	0	0	0	0
October	12.0	NW.	36	NE.	0	4	6	7	8	8	10	7	12	0	9	11	11	9	6	1	0	0	1	0	0	0	1	0
November	13.3	W.	50	SW.	1	1	1	1	3	16	8	16	14	0	12	6	12	9	8	2	2	1	1	0	0	7	1	0
December	12.6	W.	46	NE.	1	3	6	5	10	7	13	8	10	0	3	7	21	15	12	10	6	0	3	5	0	12	0	0
Year	12.3	SW.	50	SW.	12	79	110	50	49	84	156	92	110	0	123	124	118	135	105	58	32	2	15	49	13	88	42	1

CINCINNATI, OHIO.

[H_b=628 ft.; h_s=11 ft.; h_r=3 ft.; h_a=51 ft.]

January	9.8	SW.	36	SW.	0	4	13	3	4	3	26	3	6	0	6	11	14	16	13	20	13	0	1	26	0	31	1	0
February	10.6	SW.	51	SW.	3	2	6	4	5	8	20	7	4	0	9	5	14	8	6	5	9	0	3	6	0	21	2	0
March	9.1	SW.	50	SW.	1	7	16	4	2	8	16	3	6	0	12	9	10	10	8	3	0	0	3	0	0	13	4	1
April	10.8	NE.	37	N.	0	7	18	4	8	7	10	2	4	0	5	8	17	14	11	1	1	1	0	0	0	3	5	0
May	7.5	SW.	35	NW.	0	4	4	3	4	16	26	0	5	0	9	15	7	9	8	0	0	0	0	0	2	0	12	0
June	6.4	S.	26	SE.	0	11	8	3	4	9	10	5	10	0	11	11	8	9	8	0	0	0	1	0	2	0	6	0
July	5.2	N.	29	NE.	0	14	5	3	2	15	8	11	4	0	6	15	10	11	10	0	0	0	0	0	4	0	12	0
August	5.7	SW.	29	NW.	0	4	9	6	3	11	23	4	2	0	13	11	7	9	7	0	0	0	0	0	14	0	9	0
September	5.4	SW.	25	N.	0	13	8	3	3	9	7	8	6	3	10	11	9	11	7	0	0	0	4	0	0	0	4	0
October	6.5	SW.	31	SE.	0	2	16	5	4	12	14	6	3	0	9	6	16	10	9	0	0	1	3	0	0	0	3	0
November	8.9	SW.	36	SW.	0	1	11	1	5	11	14	10	5	2	11	2	17	8	6	1	0	0	1	0	0	8	0	0
December	8.9	SW.	31	SW.	0	3	11	1	6	19	15	3	4	0	4	10	17	16	9	5	3	0	2	4	0	13	0	0
Year	7.8	SW.	51	SW.	4	72	125	40	50	128	189	62	59	5	105	114	146	131	102	35	17	2	18	36	22	89	58	1

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1918—Continued.

CLEVELAND, OHIO.

[ϕ=41° 30′ N.; λ=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.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	29.069	29.590	28.070	12.3	15.4	15.9	21.8	8.3	15.0	40	− 9	8	9	11	81	74	79	0.063	0.068	0.073	2.60	0.70	9.2	8.1	6.7	7.5
February	29.200	29.960	28.140	24.3	28.3	30.2	37.7	18.7	28.2	62	−12	19	22	24	79	76	78	.122	.139	.156	1.48	.37	7.0	7.5	6.2	7.1
March	29.216	29.750	28.600	35.0	40.3	41.2	49.3	31.0	40.2	71	15	28	30	32	75	69	70	.157	.178	.186	2.38	1.14	5.5	4.7	3.8	5.2
April	29.199	29.630	28.640	42.6	47.0	46.8	53.3	38.4	45.8	70	27	34	35	36	72	65	70	.20	.215	.230	2.55	.77	6.9	6.8	7.0	6.4
May	29.220	29.577	28.564	60.9	66.3	66.6	73.8	55.0	64.4	87	34	52	53	54	75	65	68	.41	.432	.435	4.02	1.48	6.3	5.9	6.5	5.3
June	29.137	29.409	28.690	64.1	68.1	70.4	75.0	59.8	67.4	88	49	53	54	54	68	62	59	.413	.435	.444	1.83	.50	6.1	5.6	4.9	4.9
July	29.220	29.450	29.030	68.0	71.8	73.3	76.8	63.8	70.3	92	54	58	58	58	71	64	60	.494	.502	.491	1.08	.54	4.4	4.7	5.4	4.2
August	29.218	29.560	28.940	71.5	77.0	77.0	81.4	67.8	74.5	100	54	60	62	61	69	61	60	.544	.565	.549	2.47	1.59	5.2	4.7	4.5	4.5
September	29.240	29.620	28.896	54.9	60.3	59.8	64.7	51.7	58.2	81	43	47	47	49	74	64	70	.330	.334	.357	3.78	1.18	6.8	7.0	6.7	6.4
October	29.256	29.620	28.840	52.4	59.5	57.8	63.5	48.4	56.0	76	38	44	45	46	74	61	68	.300	.317	.328	2.11	.79	5.8	6.0	4.4	6.0
November	29.213	29.630	28.494	40.4	44.6	44.3	49.0	37.5	43.2	67	24	32	34	34	79	66	69	.189	.202	.204	1.77	.57	8.0	7.6	5.7	6.7
December	29.232	29.750	28.700	37.0	39.6	39.7	43.9	33.5	38.7	62	22	30	32	32	76	73	75	.177	.190	.191	1.58	.31	7.8	7.9	6.6	8.0
Year	29.202	29.960	28.070	47.0	51.5	51.9	57.5	42.8	50.2	100	−12	39	40	41	74	67	69	.284	.298	.304	27.65	1.59	6.6	6.4	5.7	6.0

COLUMBIA, MO.

[ϕ=38° 57′ N.; λ=92° 20′ W.]

January	29.137	29.720	28.680	11.5	18.6	....	23.8	6.9	15.4	44	−19	7	11	....	83	71	....	0.064	0.075	.....	1.00	0.38	5.3	6.5	....	6.4
February	29.181	30.010	28.447	29.8	38.4	....	45.1	22.3	33.7	69	− 4	22	22	....	71	54	....	.140	.142	.....	1.30	.61	5.1	4.9	....	5.1
March	29.178	29.730	28.510	40.3	57.5	....	64.4	37.4	50.9	90	19	31	33	....	71	44	....	.183	.198	.....	.64	.31	4.0	3.4	....	4.3
April	29.122	29.770	28.660	43.1	52.7	....	58.2	40.7	49.4	83	28	36	38	....	78	61	....	.223	.244	.....	5.07	.92	5.8	6.2	....	6.2
May	29.139	29.570	28.550	63.5	74.3	....	79.2	58.5	68.8	90	35	56	59	....	78	61	....	.474	.525	.....	3.95	2.15	5.1	5.5	....	5.4
June	29.114	29.370	28.770	70.0	83.1	....	88.0	65.7	76.8	101	56	63	64	....	78	54	....	.578	.616	.....	2.68	.95	5.3	4.8	....	4.5
July	29.206	29.380	28.970	69.6	85.3	....	89.3	65.1	77.2	102	55	62	60	....	76	44	....	.553	.538	.....	.73	.25	4.4	4.3	....	4.4
August	29.160	29.370	28.950	73.5	87.6	....	93.1	70.3	81.7	108	58	65	68	....	78	56	....	.630	.691	.....	7.83	2.22	4.8	4.9	....	4.5
September	29.243	29.610	28.910	53.5	67.9	....	72.2	50.6	61.4	84	36	49	49	....	85	54	....	.353	.367	.....	9.69	6.61	4.1	4.3	....	4.5
October	29.189	29.530	28.590	52.9	65.4	....	70.0	50.2	60.1	88	34	47	50	....	82	60	....	.335	.374	.....	1.99	.84	5.4	5.8	....	5.7
November	29.229	29.670	28.460	38.8	48.8	....	53.1	36.7	44.9	77	23	34	37	....	81	64	....	.204	.232	.....	2.47	1.04	5.5	5.0	....	5.2
December	29.199	29.560	28.810	35.0	43.2	....	47.5	32.1	39.8	67	2	31	33	....	85	69	....	.185	.198	.....	2.30	.83	5.9	5.1	....	5.3
Year	29.173	30.010	28.447	48.5	60.2	....	65.3	44.7	55.0	108	−19	45	44	....	79	58	....	.327	.350	.....	39.65	6.61	5.1	5.1	....	5.1

COLUMBIA, S. C.

[ϕ=34° 00′ N.; λ=81° 03′ W.]

January	29.590	30.000	28.750	30.6	40.2	40.7	47.7	28.6	38.2	71	6	25	26	30	78	60	66	0.145	0.153	0.184	2.16	0.48	5.3	5.0	4.0	5.5
February	29.780	30.250	29.170	45.8	57.2	56.8	63.5	44.1	53.8	81	25	39	41	40	79	57	58	.263	.272	.276	1.42	.81	5.6	5.0	3.5	5.3
March	29.688	30.240	29.320	53.0	65.1	63.6	70.6	50.6	60.6	85	35	44	45	44	73	50	53	.311	.311	.312	1.54	1.01	5.1	4.7	3.5	4.6
April	29.607	29.960	29.360	55.2	66.3	63.6	70.3	52.8	61.6	84	37	50	48	50	83	56	65	.379	.370	.379	7.23	3.94	6.4	6.1	5.7	6.3
May	29.760	30.080	29.450	67.7	79.8	76.5	83.8	63.7	73.8	95	45	59	56	57	76	47	54	.522	.469	.481	1.56	.53	3.8	5.0	4.1	4.5
June	29.583	29.840	29.250	72.7	83.0	79.6	87.8	68.8	78.3	101	62	66	64	63	79	56	60	.637	.604	.588	3.08	.86	5.2	5.3	5.9	5.4
July	29.648	29.870	29.400	72.8	84.3	79.9	88.7	69.1	78.9	98	60	65	64	62	77	53	59	.824	.615	.584	1.15	.59	5.5	5.6	5.8	5.8
August	29.693	29.980	29.510	74.3	86.7	82.7	90.6	70.9	80.8	100	61	68	66	65	81	52	58	.682	.630	.635	4.78	1.76	3.9	3.5	4.4	4.2
September	29.677	30.030	29.430	64.6	76.2	72.1	80.1	60.8	70.4	91	48	58	56	57	80	53	61	.503	.485	.478	3.31	2.46	4.3	4.2	3.5	4.2
October	29.742	30.000	29.370	60.9	73.4	69.3	77.0	58.6	67.8	89	46	56	56	54	84	57	60	.463	.472	.440	1.41	.97	6.6	5.8	4.5	5.9
November	29.731	30.120	29.280	45.3	57.5	56.0	63.2	43.2	53.2	79	33	39	42	43	81	54	64	.252	.276	.291	2.15	1.22	4.1	4.4	3.6	4.1
December	29.766	30.250	29.300	45.2	54.2	52.2	58.9	43.4	51.2	76	26	40	42	43	83	66	73	.270	.292	.303	3.91	1.16	7.6	6.9	6.4	7.1
Year	29.689	30.250	29.170	57.3	68.7	66.0	73.5	54.6	64.0	101	6	51	50	51	80	55	61	.421	.412	.417	33.70	3.94	5.3	5.1	4.6	5.2

COLUMBUS, OHIO.

[ϕ=39° 58′ N.; λ=83° 00′ W.]

January	29.030	29.510	28.040	12.5	18.9	18.6	23.4	8.2	15.8	42	−13	8	12	12	81	73	74	0.068	0.079	0.078	3.51	0.68	7.0	7.2	6.8	6.5
February	29.188	29.930	28.252	26.9	33.7	34.7	40.5	21.8	31.2	68	−10	21	24	26	78	69	70	.129	.155	.165	2.56	1.30	6.4	6.9	5.3	6.5
March	29.174	29.670	28.550	38.4	49.8	49.6	56.8	33.5	45.2	76	19	31	32	32	74	53	54	.183	.187	.194	1.85	.91	4.5	5.4	3.4	4.1
April	29.130	29.530	28.650	44.8	53.4	51.8	58.1	40.6	49.4	74	26	36	37	37	72	58	61	.220	.238	.239	2.80	.64	7.1	6.7	7.3	7.1
May	29.194	29.561	28.640	63.2	73.6	70.6	78.6	57.7	68.2	91	38	54	55	55	75	54	60	.448	.462	.459	4.80	2.05	6.0	5.7	6.2	5.6
June	29.098	29.359	28.730	65.5	75.1	74.4	80.2	59.2	69.7	91	44	55	56	56	69	53	54	.448	.457	.463	1.25	.63	5.9	6.0	5.4	5.6
July	29.177	29.358	28.950	67.0	77.1	75.2	82.3	62.3	72.3	93	50	59	58	58	76	54	57	.510	.511	.494	2.50	.97	4.5	6.1	6.8	6.1
August	29.177	29.493	28.920	71.6	82.7	80.8	87.3	68.0	77.6	103	56	63	65	65	75	57	61	.590	.620	.635	4.42	1.15	5.3	5.4	6.9	5.8
September	29.209	29.565	28.910	53.2	63.2	62.2	68.0	50.0	59.0	80	38	48	51	51	84	67	68	.349	.389	.387	3.19	1.50	5.8	6.9	4.3	5.7
October	29.216	29.526	28.790	51.9	63.7	60.3	67.5	48.6	58.0	83	39	46	47	46	82	55	60	.327	.336	.323	2.09	.65	6.0	5.6	4.7	5.5
November	29.202	29.545	28.470	38.5	45.7	44.5	49.7	35.9	42.8	66	22	33	34	33	81	64	64	.197	.201	.194	1.24	.43	6.8	6.2	5.8	6.0
December	29.191	29.650	28.840	37.2	43.1	41.9	46.9	33.9	40.4	64	20	33	35	35	84	74	76	.200	.215	.214	3.23	.84	7.4	7.3	7.1	7.3
Year	29.166	29.930	28.040	47.6	56.7	55.4	61.6	43.3	52.5	103	−13	41	42	42	78	61	63	.306	.322	.320	32.93	2.05	6.1	6.3	5.8	6.0

Annual meteorological summary for the year ending December 31, 1918—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.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. 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. Thunderstorm.	Aurora.
	Miles.		*Mi.*																									
January	15.4	SW.	52	SW.	2	0	11	0	10	9	20	8	4	0	3	11	17	19	15	23	18	0	0	26	0	31	0	0
February	17.8	SW.	66	W.	8	0	3	0	6	9	18	4	16	0	4	10	14	14	8	11	7	0	2	10	0	26	3	0
March	13.8	SW.	65	NW.	3	6	14	0	3	11	13	4	11	0	11	10	10	8	7	7	3	0	2	3	0	18	3	0
April	15.6	NE.	49	NE.	3	6	15	3	6	11	8	7	4	0	7	11	12	16	12	4	3	0	1	1	0	10	4	0
May	12.5	SW.	50	NW.	2	3	8	2	5	19	17	5	3	0	11	12	8	12	10	1	0	1	0	0	0	0	9	0
June	12.9	NE.	43	W.	2	5	12	6	8	6	10	6	7	0	12	12	6	9	7	0	0	0	0	0	0	0	6	0
July	10.1	NE.	48	NW.	1	7	12	1	3	14	7	9	9	0	14	11	6	5	3	0	0	0	0	0	1	0	6	0
August	10.9	SW.	46	W.	1	3	15	5	8	10	15	5	1	0	11	17	3	9	6	0	0	0	0	0	6	0	6	0
September	12.6	SW.	45	W.	1	8	10	2	3	11	15	3	8	0	8	8	14	15	11	0	0	0	0	0	0	0	3	0
October	12.9	S.	35	SE.	0	5	6	0	13	12	13	7	6	0	10	9	12	10	7	0	0	0	2	0	0	0	2	0
November	13.6	SW.	52	W.	2	3	3	2	5	13	24	3	7	0	6	9	15	12	10	6	3	0	0	0	0	7	1	0
December	15.0	S.	52	NW.	3	2	6	5	9	13	15	4	8	0	5	3	23	14	12	10	6	0	2	4	0	11	0	0
Year	13.6	SW.	66	W.	28	48	115	26	79	138	175	65	84	0	102	123	140	143	108	62	40	1	9	44	7	103	43	0

COLUMBIA, MO.

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

January	9.3	SW.	34	NW.	0	3	4	1	7	1	5	6	4	0	7	9	15	7	7	15	7	0	1	24	0	31	0	0
February	10.6	S.	45	SW.	2	3	3	1	8	5	4	1	3	0	13	7	8	6	5	3	0	0	0	6	0	18	1	0
March	9.8	S.	52	SW.	1	4	3	5	7	7	2	0	3	0	16	8	7	3	3	0	0	0	0	0	0	11	1	1
April	10.0	NE.	37	NE.	0	2	9	4	3	2	5	2	3	0	7	12	11	13	12	3	2	1	0	0	0	3	5	0
May	8.3	S.	39	S.	0	1	3	0	4	19	3	0	1	0	9	13	9	12	8	0	0	0	0	0	0	0	8	0
June	6.8	S.	30	W.	0	0	3	2	7	8	3	5	2	0	11	13	6	7	6	0	0	0	0	0	10	0	10	0
July	6.3	S.	26	N.	0	6	4	3	9	5	2	2	0	0	12	16	3	8	5	0	0	0	0	0	14	0	3	0
August	6.6	S.	36	SW.	0	0	6	2	7	12	3	0	1	0	12	15	4	11	10	0	0	0	0	0	22	0	13	0
September	6.3	SE.	21	N.	0	4	7	2	7	6	2	0	2	0	14	10	6	9	7	0	0	0	0	0	0	0	3	0
October	7.2	E.	36	SW.	0	2	8	7	7	3	1	1	2	0	10	8	13	6	6	0	0	0	1	0	0	0	0	0
November	8.5	W.	30	SW.	0	3	1	1	8	3	3	7	4	0	12	7	11	9	7	5	0	0	1	0	1	0	12	1
December	8.4	SE.	27	NW.	0	1	2	2	9	6	7	1	3	0	9	12	10	8	7	5	3	0	2	5	0	14	0	0
Year	8.2	SE.	52	SW.	3	29	53	30	83	77	40	25	28	0	132	130	103	99	83	31	12	1	4	36	46	89	45	1

COLUMBIA, S. C.

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

January	9.2	(*) SW.	63	SW.	3	4	8	4	0	10	19	12	4	1	14	3	14	11	9	2	1	0	0	3	0	22	1	0
February	7.9	W.	38	SW.	0	7	8	5	4	9	4	14	5	0	9	9	10	9	6	0	0	0	0	0	0	3	1	0
March	8.2	NE.	34	W.	0	6	19	8	0	5	7	8	8	1	14	10	7	5	5	0	0	0	2	0	0	0	2	1
April	7.6	NE.	33	N.	0	9	10	7	5	9	10	6	4	0	8	8	14	14	11	0	0	0	1	0	0	0	7	0
May	6.6	SW.	24	SW.	0	2	8	9	5	10	14	11	3	0	14	10	7	9	5	0	0	0	0	0	6	0	5	0
June	6.1	NE.	26	SE.	0	6	15	5	8	13	8	2	3	0	9	10	11	7	6	0	0	0	0	0	10	0	6	0
July	5.5	NE.	27	W.	0	5	14	7	4	8	12	8	4	0	9	10	12	10	5	0	0	0	0	0	8	0	9	0
August	5.4	SW.	28	SE.	0	6	13	4	3	8	18	3	7	0	17	9	5	9	8	0	0	0	0	0	19	0	9	0
September	5.8	NE.	19	N.	0	12	22	5	4	9	5	1	2	0	16	7	7	6	5	0	0	0	0	0	1	0	2	0
October	7.2	NE.	28	SW.	0	8	26	7	7	6	5	1	1	1	10	8	13	5	5	0	0	0	0	0	0	0	0	0
November	6.7	NE.	30	SW.	0	13	18	3	4	2	7	5	8	0	15	6	9	7	4	0	0	0	1	0	0	0	0	0
December	7.5	SW.	26	NE.	0	5	15	4	4	4	19	6	5	0	6	6	19	12	8	1	0	0	2	0	0	4	0	0
Year	7.0	NE.	63	SW.	3	83	176	69	48	93	128	77	54	3	141	96	128	104	77	3	1	0	6	3	44	29	42	1

COLUMBUS, OHIO.

[H_b=824 ft.; h_t=179 ft.; h_r=171 ft.; h_a=222 ft.]

January	13.3	SW.	48	W.	1	6	2	7	8	7	15	12	4	1	6	10	15	17	14	20	15	0	2	24	0	31	0	0
February	14.7	SW.	64	NW.	8	2	3	2	10	11	9	7	12	0	8	5	15	10	7	11	2	0	5	8	0	21	5	0
March	12.3	SW.	70	NW.	3	5	7	5	6	8	13	14	13	1	16	7	8	8	7	2	1	0	1	0	0	17	1	1
April	14.6	SE.	44	NW.	4	12	9	6	13	4	9	3	4	0	5	6	19	14	12	4	1	0	0	0	0	4	4	0
May	11.4	SW.	33	W.	3	2	2	4	7	13	26	1	6	1	8	15	8	13	9	0	0	1	0	0	2	0	7	0
June	10.4	SW.	50	W.	2	6	8	5	6	15	9	2	8	1	7	14	9	7	5	0	0	0	0	0	1	0	7	0
July	9.0	NW.	49	NW.	2	14	5	4	7	9	6	3	13	1	6	13	12	10	8	0	0	0	0	0	6	0	8	0
August	9.0	S.	68	N.	4	5	4	6	10	10	11	8	7	1	6	14	11	11	10	0	0	1	0	0	12	0	10	0
September	9.1	NW.	31	W.	0	7	5	5	5	14	5	5	14	0	9	9	12	10	8	0	0	0	1	0	0	0	2	0
October	10.5	SE.	42	NW.	1	5	3	12	14	12	6	4	7	0	11	9	11	11	8	0	0	0	2	0	0	0	1	0
November	12.2	W.	44	SW.	1	3	4	2	10	7	5	20	9	0	10	5	15	8	5	3	0	0	1	0	0	9	0	0
December	12.7	SE.	50	NW.	2	4	4	6	11	14	5	12	6	0	5	6	20	16	10	9	3	0	6	4	0	15	1	0
Year	11.6	SW.	70	NW.	31	71	56	64	107	124	118	81	103	6	97	113	155	135	103	49	22	2	17	36	21	97	46	1

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1918—Continued.

CONCORD, N. H.

[ϕ=43° 12′ N.; λ=71° 32′ W.]

Month.	Pressure.			Temperature.								Moisture.												
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	29.504	30.220	28.430	9.2	....	....	22.1	4.5	13.3	47	−14	3	....	....	76	....	....	0.053	....	....	1.65	0.65	7.3	....	....	4.2
February	29.687	30.370	28.480	13.2	....	....	29.9	4.8	17.4	52	−16	9	....	....	82	....	....	.083	....	....	1.82	.71	6.8	....	....	5.4
March	29.624	30.060	29.070	27.0	37.2	....	43.3	20.0	31.6	65	2	19	20	....	72	52	....	.109	0.115	....	1.26	.67	4.9	5.9	....	3.3
April	29.744	30.260	29.200	40.0	51.5	....	56.0	32.8	44.4	78	23	32	38	....	73	64	....	.188	.254	....	2.26	.87	5.6	5.8	....	3.8
May	29.735	30.180	29.150	57.8	69.1	....	73.8	48.2	61.0	88	35	52	58	....	80	70	....	.390	.511	....	2.43	.74	5.6	5.1	....	3.5
June	29.615	29.960	29.030	59.6	68.0	....	71.7	50.0	60.8	90	38	50	49	....	71	53	....	.365	.363	....	2.77	1.58	6.2	7.1	....	4.1
July	29.669	29.990	29.380	66.8	77.2	....	80.9	58.2	69.6	95	48	60	59	....	79	56	....	.523	.514	....	1.74	.51	6.5	7.4	....	4.1
August	29.745	30.175	29.440	63.9	75.5	....	79.9	56.2	68.0	95	40	58	61	....	83	62	....	.508	.550	....	3.97	2.48	5.4	5.4	....	3.3
September	29.724	30.141	29.350	52.6	63.4	....	67.2	45.5	56.4	82	32	49	52	....	88	68	....	.359	.397	....	6.96	2.73	6.6	7.1	....	6.2
October	29.808	30.242	29.200	45.6	57.9	....	62.0	30.6	50.8	79	27	43	48	....	90	70	....	.295	.348	....	1.14	.54	5.7	5.6	....	5.4
November	29.692	30.300	28.750	35.1	44.0	....	47.3	31.1	39.2	58	13	32	36	....	87	74	....	.188	.218	....	2.34	1.30	6.1	6.2	....	6.1
December	29.793	30.450	29.160	22.8	30.6	....	34.3	19.2	26.8	53	4	20	26	....	88	82	....	.113	.145	....	3.52	1.68	6.9	7.0	....	6.7
Year	29.695	30.450	28.430	41.1	....	....	55.7	34.2	44.9	95	−16	36	....	....	81	....	....	.264	....	....	31.86	2.73	6.1	....	....	4.7

CONCORDIA, KANS.

[ϕ=39° 35′ N.; λ=97° 41′ W.]

January	28.537	29.130	28.090	10.1	18.1	18.9	26.1	4.5	15.3	60	−20	8	12	14	92	79	81	0.070	0.082	0.086	0.85	0.71	3.9	5.5	4.3	5.5
February	28.557	29.380	27.750	23.6	33.4	36.8	46.1	19.2	32.6	80	−11	18	21	24	80	64	64	.106	.119	.135	.63	.46	3.5	5.0	3.3	4.6
March	28.520	29.170	27.770	38.3	51.7	54.9	61.4	35.3	48.4	80	18	28	29	28	69	48	43	.161	.165	.166	.77	.61	3.9	4.5	4.4	4.7
April	28.516	29.140	28.050	39.2	51.5	53.0	58.0	37.3	47.6	74	27	31	31	30	72	49	47	.178	.181	.179	3.51	1.10	4.8	6.0	6.0	6.3
May	28.419	28.836	27.910	60.4	72.1	73.9	78.8	56.9	67.8	91	40	50	50	50	70	48	48	.383	.383	.398	2.52	.97	5.6	4.9	6.2	5.5
June	28.469	28.800	28.150	69.9	83.7	87.0	91.2	66.6	78.9	105	53	58	56	57	70	42	39	.504	.460	.475	1.85	.54	3.3	2.8	3.9	3.5
July	28.544	28.810	28.280	70.1	82.6	85.6	89.6	66.7	78.2	103	57	60	59	58	72	48	42	.523	.507	.494	1.77	.65	6.2	5.2	4.4	5.0
August	28.476	28.700	28.260	72.3	87.2	87.7	95.4	69.6	82.5	110	50	60	59	56	68	42	39	.526	.510	.465	3.10	.75	4.3	3.8	4.0	4.2
September	28.612	28.970	28.230	53.4	68.5	68.2	75.1	51.4	63.2	96	33	45	46	46	77	46	49	.308	.318	.321	1.72	.69	4.5	4.2	4.1	4.4
October	28.549	28.840	27.980	51.8	64.9	62.0	69.1	50.2	59.6	92	31	46	46	46	82	56	63	.324	.328	.333	4.49	1.38	6.0	6.3	6.1	6.3
November	28.580	29.110	27.920	37.4	47.0	43.9	50.9	34.9	42.9	75	19	33	36	35	84	67	73	.202	.229	.230	1.24	.52	5.0	4.9	4.1	4.9
December	28.546	28.900	28.020	30.3	39.2	37.1	43.5	26.6	35.0	67	− 1	26	30	30	86	72	76	.149	.172	.171	1.87	.58	5.2	6.2	5.0	6.6
Year	28.527	29.380	27.750	46.4	58.3	59.1	65.4	43.3	54.3	110	−20	39	40	40	77	55	55	.286	.288	.287	24.32	1.38	4.7	4.9	4.6	5.1

CORPUS CHRISTI, TEX.

[ϕ=27° 49′ N.; λ=97° 25′ W.]

January	29.995	30.410	29.390	44.0	55.4	53.9	60.8	40.5	50.6	83	20	37	39	43	75	56	58	0.245	0.261	0.302	0.07	0.05	4.2	3.6	4.7	4.7
February	30.070	30.550	29.550	53.5	60.1	56.6	65.5	49.8	57.6	84	28	51	52	52	91	76	87	.406	.424	.419	.51	.31	6.0	6.8	5.9	7.1
March	30.008	30.460	29.720	62.2	69.4	68.2	73.0	61.6	67.3	82	45	58	59	60	88	71	77	.508	.520	.547	.47	.37	7.2	5.4	5.8	6.2
April	29.873	30.310	29.550	68.2	73.3	71.3	75.1	66.6	70.8	92	53	63	64	64	84	73	80	.592	.619	.629	5.17	2.65	6.8	6.4	7.0	6.7
May	29.954	30.250	29.570	74.0	77.6	76.3	78.3	72.8	76.0	84	61	70	71	71	88	79	84	.743	.754	.765	2.38	1.80	6.6	6.6	6.3	6.3
June	29.906	30.130	29.720	78.6	84.5	82.8	86.6	76.9	81.8	95	70	74	75	76	87	75	79	.844	.878	.889	4.47	4.34	3.0	4.5	4.7	4.1
July	29.971	30.120	29.800	78.3	85.4	83.5	87.7	76.8	82.2	94	73	74	75	75	88	71	75	.860	.869	.861	.30	.17	2.5	3.6	3.2	3.2
August	29.972	30.110	29.830	78.9	85.8	83.4	87.7	77.9	82.8	91	75	75	74	75	87	67	76	.863	.826	.864	.15	.09	2.2	3.9	3.0	3.4
September	29.935	30.260	29.730	72.0	81.7	79.6	84.8	71.0	77.9	91	61	66	66	67	83	60	67	.663	.665	.686	4.33	2.84	2.7	2.8	1.8	2.2
October	29.955	30.280	29.630	69.7	78.1	75.8	80.9	67.4	74.2	87	50	66	66	67	88	68	75	.669	.662	.683	5.54	4.17	4.2	6.4	4.3	5.0
November	30.055	30.360	29.630	59.0	65.7	63.5	67.9	57.2	62.6	83	36	54	55	55	84	68	75	.458	.462	.469	2.38	1.00	7.2	7.0	5.3	6.9
December	30.086	30.460	29.660	55.2	62.1	60.0	65.2	52.4	58.8	76	34	50	50	52	84	66	76	.403	.394	.424	2.45	1.35	6.6	7.0	5.1	6.4
Year	29.996	30.550	29.390	66.1	73.3	71.2	76.2	64.2	70.2	95	20	62	62	63	86	69	77	.603	.610	.628	28.22	4.34	4.9	5.3	4.8	5.2

DALLAS, TEX.

[ϕ=32° 46′ N.; λ=96° 47′ W.]

January	29.457	29.880	28.920	38.8	40.0	....	47.0	24.3	35.6	76	3	23	24	....	78	54	....	0.131	0.137	....	1.84	0.79	3.6	2.8	....	3.8
February	29.559	30.110	28.940	43.7	57.1	....	64.2	33.7	52.0	93	12	35	33	....	72	46	....	.236	.220	....	.63	.59	6.2	4.7	....	5.4
March	29.479	29.950	29.060	52.3	66.4	....	73.4	50.3	61.8	89	36	43	42	....	74	47	....	.307	.300	....	1.40	.84	5.8	5.2	....	5.4
April	29.371	29.850	28.940	55.0	68.7	....	74.3	53.2	63.8	94	41	48	47	....	80	49	....	.358	.351	....	6.14	3.51	5.3	5.1	....	5.6
May	29.441	29.830	28.940	67.2	79.1	....	83.7	65.6	74.6	91	50	61	59	....	80	53	....	.550	.528	....	3.87	2.24	7.1	6.1	....	5.6
June	29.385	29.640	29.130	77.0	90.1	....	94.3	74.7	84.6	104	66	68	66	....	76	47	....	.695	.638	....	4.23	1.61	3.2	2.9	....	3.8
July	29.463	29.620	29.280	76.4	90.9	....	95.4	75.1	85.2	102	66	64	61	....	65	38	....	.593	.545	....	.84	.79	2.7	2.8	....	3.1
August	29.463	29.650	29.300	76.5	92.0	....	96.6	75.8	86.2	104	71	67	63	....	73	40	....	.666	.582	....	2.48	2.45	2.8	2.6	....	3.1
September	29.494	29.850	29.170	63.7	79.1	....	83.5	61.6	72.6	100	47	55	52	....	73	42	....	.445	.404	....	4.28	1.95	3.8	3.4	....	3.5
October	29.430	29.770	28.990	61.4	74.3	....	77.6	59.9	68.8	89	42	56	55	....	82	55	....	.461	.458	....	6.60	3.72	5.5	5.3	....	5.1
November	29.523	29.870	29.030	47.5	57.9	....	60.7	45.9	53.3	78	30	42	42	....	83	58	....	.292	.297	....	8.32	4.44	4.9	5.2	....	5.2
December	29.518	29.790	29.200	43.4	54.4	....	59.1	40.5	49.8	77	19	39	38	....	85	57	....	.262	.244	....	3.78	1.34	4.7	4.6	....	4.6
Year	29.485	30.110	28.920	57.7	70.8	....	75.8	55.6	65.7	104	3	50	48	....	77	49	....	.416	.392	....	44.41	4.44	4.6	4.2	....	4.5

Annual meteorological summary for the year ending December 31, 1918—Continued.

CONCORD, N. H.

[H_b=288 ft.; h_t=70 ft.; h_r=62 ft.; h_a=79 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.	Thunderstorm.	Aurora.
	Miles.		*Mi.*																								
January	6.2	NW.	31	NW.	0	11	1	0	1	1	1	8	8	0	18	5	8	10	6	12	10	0	0	29	0	31	0	0
February	5.7	N.	36	W.	0	7	1	2	1	6	4	3	4	0	11	9	8	12	7	10	9	0	0	17	0	28	0	0
March	6.7	NW.	37	N.	0	7	5	2	1	3	2	3	8	0	22	3	6	7	6	12	7	0	0	4	0	30	0	1
April	6.0	N.	27	W.	0	9	11	1	1	2	0	2	4	0	17	6	7	10	9	2	2	1	0	0	0	16	0	0
May	5.5	S.	28	SW.	0	2	5	3	5	5	1	2	7	1	18	8	5	11	9	0	0	0	0	0	0	0	5	0
June	3.8	SE.	10	SE.	0	5	4	3	3	3	1	5	6	0	13	11	6	7	6	0	1	1	1	0	0	0	2	0
July	2.9	S.	9	SW.	0	11	5	3	3	2	3	1	3	0	15	11	5	12	8	0	0	0	0	0	6	0	10	0
August	3.2	N.	14	W.	0	12	2	2	6	5	3	0	1	0	21	5	5	10	9	0	0	0	1	0	4	0	7	0
September	3.6	NW.	12	W.	0	8	1	3	6	2	5	2	3	0	7	11	12	14	13	0	0	0	2	0	0	0	2	0
October	3.4	SE.	11	SW.	0	7	3	1	9	3	0	2	6	0	14	4	13	10	7	0	0	0	5	0	0	6	1	0
November	4.9	NW.	24	NW.	0	9	3	1	2	1	5	4	5	0	7	9	14	10	6	4	1	0	1	1	0	17	0	0
December	3.7	N.	28	NW.	0	8	4	2	2	1	2	5	7	0	9	4	18	15	13	16	8	0	3	12	0	27	0	0
Year	4.6	N.	37	N.	0	96	45	23	40	34	27	37	62	1	172	86	107	128	99	56	37	2	13	63	10	155	27	1

CONCORDIA, KANS.

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

January	9.1	NW.	31	NW.	0	9	3	4	1	5	9	11	19	1	9	10	12	5	3	11	5	0	0	21	0	31	0	0
February	10.5	NW.	48	NW.	3	2	7	2	4	17	8	4	11	1	11	10	7	4	3	5	4	0	0	7	0	19	0	0
March	10.0	S.	52	NW.	1	4	10	9	3	11	10	8	7	0	11	15	5	4	2	2	0	0	3	0	0	9	0	1
April	9.9	SE.	35	NW.	0	8	9	8	9	3	3	12	8	0	5	15	10	9	7	3	3	0	1	0	0	3	4	0
May	12.4	S.	44	NW.	1	6	6	4	12	23	5	3	3	0	9	15	7	9	8	0	0	2	0	0	1	0	8	0
June	7.9	S.	35	NE.	0	5	7	4	6	21	7	4	6	0	16	11	3	6	5	0	0	0	0	0	18	0	6	0
July	8.0	S.	35	NW.	0	4	11	5	9	21	5	2	5	0	9	16	6	9	7	0	0	0	1	0	15	0	5	0
August	8.1	S.	28	SW.	0	4	3	14	7	20	5	5	4	0	11	17	3	9	6	0	0	0	0	0	25	0	8	0
September	8.1	S.	26	W.	0	8	13	3	5	12	4	11	4	0	12	12	6	9	7	0	0	0	0	0	1	0	6	0
October	7.7	S.	34	NW.	0	6	7	11	5	14	2	6	9	2	7	11	13	9	9	1	1	0	3	0	2	3	2	0
November	9.4	S.	44	NW.	1	6	2	0	9	17	5	11	10	0	16	0	14	8	6	5	3	0	0	3	0	11	2	0
December	8.7	NW.	30	SW.	0	6	3	4	5	9	9	9	17	0	6	11	14	8	7	5	3	0	4	7	0	17	0	0
Year	9.2	S.	52	NW.	6	68	81	68	75	173	72	86	103	4	122	143	100	89	70	32	19	2	12	38	62	93	41	1

CORPUS CHRISTI, TEX.

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

January	12.4	(*) SE.	46	NW.	1	11	6	1	14	7	3	2	12	6	12	11	8	3	1	1	1	0	1	0	0	4	0	0
February	12.9	SE.	54	SE.	2	15	1	4	19	8	2	1	5	1	5	7	16	8	3	0	0	0	10	0	0	2	0	0
March	13.6	SE.	44	SE.	2	8	5	2	28	8	1	0	8	2	6	11	14	4	3	0	0	0	4	0	0	0	0	0
April	15.2	SE.	64	N.	4	8	5	4	37	5	0	0	1	0	7	8	15	5	5	0	0	0	1	0	0	1	0	0
May	18.0	SE.	42	SE.	1	4	4	7	45	2	0	0	0	0	2	18	11	6	4	0	0	0	0	0	0	0	1	0
June	13.7	SE.	43	SE.	2	0	1	7	31	9	5	4	2	1	13	13	4	6	3	0	0	0	0	0	2	0	2	0
July	12.5	SE.	35	SE.	0	1	0	0	34	8	14	1	2	2	18	10	3	5	2	0	0	0	0	0	3	0	4	0
August	12.6	SE.	34	SE.	0	1	0	0	37	13	8	1	2	0	18	10	3	3	2	0	0	0	0	0	1	0	6	0
September	10.7	SE.	44	N.	1	13	2	5	20	9	2	1	8	0	24	3	3	6	5	0	0	0	0	0	.2	0	4	0
October	8.5	SE.	33	SE.	0	9	2	7	17	5	5	4	13	0	11	10	10	9	8	0	0	0	2	0	0	0	7	0
November	10.5	N.	27	N.	0	16	4	6	11	9	0	3	11	0	7	5	18	11	8	0	0	0	0	0	0	0	0	0
December	10.5	SE.	36	SE.	0	8	3	5	16	10	1	3	15	1	8	8	15	10	8	1	1	0	2	0	0	0	1	0
Year	12.6	SE.	64	N.	13	94	33	48	309	93	41	20	79	13	131	114	120	76	52	2	2	1	19	0	9	6	31	0

DALLAS, TEX.

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

January	10.2	NW.	35	NW.	0	4	0	3	4	2	2	6	10	0	19	5	7	5	5	4	4	1	0	5	0	25	2	0
February	11.1	S.	46	SE.	2	4	0	1	4	10	1	1	7	0	8	9	11	6	2	1	1	0	1	1	2	7	1	0
March	9.8	S.	34	S.	0	6	0	1	5	10	1	2	6	0	10	11	10	5	4	0	0	1	1	0	0	0	4	1
April	10.5	S.	40	NE.	1	5	1	4	6	5	0	3	6	0	7	15	8	7	6	0	0	1	0	0	3	0	9	0
May	11.9	S.	37	S.	0	0	2	2	14	10	0	1	2	0	5	19	7	4	2	0	0	1	0	0	2	0	2	0
June	7.5	S.	35	NE.	0	2	1	1	7	12	1	3	1	2	18	5	7	7	6	0	0	0	0	0	24	0	9	0
July	8.3	S.	34	NE.	0	1	2	6	9	7	2	2	2	0	20	9	2	3	2	0	0	0	0	0	28	0	5	0
August	8.9	SE.	38	SE.	0	0	0	6	14	10	0	0	1	0	18	12	1	3	2	0	0	0	0	0	29	0	5	0
September	7.7	SE.	32	NW.	0	6	1	3	7	2	0	3	5	1	17	7	6	5	5	0	0	1	0	0	2	0	3	0
October	7.0	SE.	38	S.	0	2	2	7	8	1	0	4	7	0	11	9	11	6	4	0	0	0	2	0	0	0	4	0
November	8.6	SE.	32	NW.	0	6	1	3	9	3	3	2	2	1	12	7	11	8	8	1	1	0	1	0	0	1	3	0
December	9.0	S.	32	W.	0	1	3	4	3	6	4	4	6	0	16	4	11	8	7	0	0	0	0	0	0	7	1	0
Year	9.2	SE.	46	SE.	3	37	13	43	90	78	14	31	55	4	161	112	92	67	53	6	6	5	5	6	97	40	48	1

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1918—Continued.

DAVENPORT, IOWA.

[ϕ=41° 30′ N.; λ=90° 38′ W.]

Month.	Pressure.			Temperature.								Moisture.														
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	29.296	29.920	28.710	6.4	12.5	12.8	18.1	2.0	10.0	38	−18	4	6	9	88	74	82	0.052	0.056	0.065	1.56	0.70	6.8	5.1	5.1	5.8
February	29.374	30.260	28.490	22.1	30.2	28.8	36.5	17.0	26.8	63	−14	18	21	22	83	68	76	.117	.128	.134	1.17	.51	4.4	5.8	5.3	5.7
March	29.376	29.960	28.494	35.7	49.3	48.0	55.8	33.7	44.8	76	14	28	30	31	75	52	55	.157	.175	.180	.66	.45	4.6	4.5	4.1	4.3
April	29.347	30.021	28.760	39.7	49.2	48.9	54.1	37.1	45.6	72	27	33	32	33	75	55	58	.192	.189	.198	2.32	1.01	5.7	6.5	5.7	6.1
May	29.295	29.730	28.540	60.0	70.4	71.2	76.1	56.4	66.2	87	35	53	54	55	78	59	60	.421	.446	.469	7.15	2.02	4.2	6.7	4.9	5.4
June	29.294	29.610	28.955	64.6	74.5	74.4	79.8	60.7	70.2	98	52	57	58	60	76	59	63	.472	.501	.534	5.03	1.75	5.7	6.0	4.6	5.9
July	29.377	29.630	29.200	68.3	78.3	79.4	83.7	64.5	74.1	94	53	60	59	61	75	54	55	.531	.520	.556	4.39	2.87	4.0	4.2	4.0	4.3
August	29.319	29.590	29.014	70.1	81.6	81.7	86.9	66.8	76.8	101	54	62	64	66	78	58	60	.574	.606	.639	3.38	.90	5.1	4.4	3.5	4.5
September	29.425	29.772	29.060	51.4	64.5	61.7	68.8	49.0	58.9	82	35	47	46	49	84	53	63	.327	.327	.358	2.19	.94	4.8	5.1	3.9	5.1
October	29.378	29.740	28.650	49.6	61.3	58.5	65.8	46.4	56.1	83	33	44	45	45	82	58	64	.295	.311	.308	2.45	1.51	6.1	4.9	4.7	5.5
November	29.370	29.850	28.370	37.6	44.9	43.3	49.2	35.1	42.2	66	17	33	34	35	85	67	73	.201	.209	.217	1.89	1.17	5.3	4.9	3.5	5.0
December	29.363	29.800	28.950	32.0	38.6	36.2	42.1	28.9	35.5	64	8	30	31	31	91	75	80	.172	.181	.178	1.89	.87	6.7	6.7	5.1	7.1
Year	29.351	30.260	28.370	44.8	54.6	53.7	59.7	41.5	50.6	101	−18	39	40	41	81	61	66	.293	.304	.320	34.08	2.87	5.3	5.4	4.5	5.4

DAYTON, OHIO.

[ϕ=39° 46′ N.; λ=84° 10′ W.]

January	28.917	29.410	28.012	11.3	17.6	18.2	22.8	7.1	15.0	43	−16	9	16	13	87	78	80	0.069	0.081	0.081	3.46	1.17	7.0	5.7	6.5	6.3
February	29.073	29.850	28.150	27.8	34.3	35.1	41.8	22.4	32.1	67	− 6	23	26	28	82	71	76	.142	.164	.180	2.53	1.14	6.1	6.3	5.5	6.5
March	29.061	29.562	28.457	38.7	51.2	51.2	57.5	35.1	46.3	78	21	31	32	34	74	52	54	.184	.194	.206	2.17	1.38	4.7	4.2	3.2	4.4
April	29.009	29.455	28.550	44.2	53.7	52.2	58.3	40.5	49.4	74	27	38	38	39	79	60	64	.240	.251	.250	3.40	.78	7.2	7.2	7.3	7.1
May	29.078	29.456	28.510	62.5	73.8	71.5	78.0	58.4	68.2	90	36	55	59	57	78	62	61	.452	.524	.483	4.35	2.76	4.6	6.2	4.8	5.1
June	28.989	29.247	28.640	65.0	76.7	75.0	81.1	59.3	70.2	92	44	56	56	55	73	51	53	.466	.472	.460	2.87	.79	4.9	5.7	4.9	5.3
July	29.071	29.280	28.880	66.3	78.3	75.4	82.1	62.1	72.1	93	51	59	58	60	78	52	60	.515	.509	.526	2.62	1.23	5.0	6.4	6.3	6.0
August	29.065	29.359	28.810	71.9	83.0	80.5	87.5	68.6	78.0	103	56	64	64	63	76	55	58	.595	.607	.578	3.44	1.01	4.3	5.9	5.2	5.2
September	29.101	29.480	28.820	53.0	65.1	61.4	68.4	49.8	59.1	80	38	49	49	51	85	59	70	.354	.362	.387	4.13	1.40	5.0	5.8	4.0	5.4
October	29.099	29.410	28.680	52.5	64.5	60.4	67.8	49.2	58.5	83	37	47	48	48	83	57	66	.336	.342	.349	1.64	.65	5.7	6.1	5.0	6.0
November	29.089	29.450	28.400	38.7	47.2	44.6	50.3	36.1	43.2	66	23	34	34	34	81	60	66	.202	.203	.200	1.67	.68	6.3	5.8	5.0	6.0
December	29.071	29.520	28.520	38.1	44.1	42.2	47.8	34.8	41.3	63	20	34	36	36	86	75	79	.214	.231	.224	2.92	.89	7.6	7.1	6.7	7.2
Year	29.052	29.850	28.012	47.5	57.5	55.6	62.0	43.6	52.8	103	−16	42	43	43	80	61	66	.314	.328	.327	35.20	2.76	5.7	6.0	5.4	5.9

DEL RIO, TEX.

[ϕ=29° 20′ N.; λ=100° 53′ W.]

January	29.009	29.360	28.420	35.9	.....	.....	61.0	31.9	46.4	85	12	24	.....	.....	60	.....	.....	0.135	.....	.....	0.05	0.03	2.4	.....	.....	2.6
February	29.074	29.550	28.400	47.0	.....	.....	69.4	43.9	56.6	96	19	36	.....	.....	69	.....	.....	.241	.....	.....	.05	.04	5.3	.....	.....	4.4
March	29.036	29.480	28.630	56.3	72.3	.....	79.9	54.9	67.4	94	40	40	33	.....	58	25	.....	.276	0.210	.....	.06	.06	3.0	2.6	.....	3.0
April	28.884	29.390	28.460	62.3	75.5	.....	82.5	60.6	71.6	96	50	50	47	.....	67	41	.....	.394	.355	.....	.58	.32	5.2	3.3	.....	3.6
May	28.934	29.290	28.430	68.8	77.5	.....	84.2	67.5	75.8	96	52	62	61	.....	81	60	.....	.583	.565	.....	5.10	3.06	6.8	5.1	.....	4.8
June	28.912	29.160	28.600	75.2	87.4	.....	92.2	74.2	83.2	100	68	68	67	.....	80	52	.....	.694	.659	.....	2.08	1.18	3.3	2.3	.....	2.7
July	28.972	29.160	28.770	76.8	91.0	.....	96.5	76.0	86.2	102	70	66	66	.....	70	44	.....	.648	.641	.....	.23	.16	1.9	1.7	.....	1.8
August	28.965	29.110	28.750	76.1	90.4	.....	95.6	75.3	85.4	99	69	66	64	.....	72	42	.....	.645	.596	.....	.28	.21	2.1	1.4	.....	2.0
September	29.013	29.350	28.630	67.1	82.3	.....	87.5	66.1	76.8	100	52	56	55	.....	68	42	.....	.472	.481	.....	1.23	1.05	2.1	2.1	.....	2.2
October	28.986	29.270	28.590	61.8	76.5	.....	81.0	60.3	70.6	93	44	56	56	.....	82	51	.....	.469	.464	.....	5.24	4.16	3.2	2.9	.....	3.2
November	29.062	29.430	28.670	50.3	60.7	.....	64.5	49.1	56.8	79	31	45	45	.....	83	58	.....	.327	.331	.....	.92	.44	6.5	5.7	.....	5.6
December	29.087	29.420	28.670	43.5	55.8	.....	60.3	40.8	50.6	72	27	39	40	.....	84	58	.....	.254	.269	.....	.69	.31	5.1	4.7	.....	5.3
Year	28.994	29.550	28.400	60.1	.....	.....	79.6	58.4	69.0	102	12	51	.....	.....	73	.....	.....	.428	.....	.....	18.51	4.16	3.9	.....	.....	3.4

DENVER, COLO.

[ϕ=39° 45′ N.; λ=105° 00′ W.]

January	24.579	24.920	24.140	20.7	31.0	26.0	35.7	13.4	24.6	65	−11	11	14	14	69	52	61	0.075	0.083	0.084	0.59	0.20	3.7	6.2	5.8	5.5
February	24.646	25.080	24.070	28.0	43.5	40.9	50.4	23.4	36.9	70	0	13	16	18	56	36	41	.081	.091	.102	1.02	.70	3.6	3.4	4.2	3.5
March	24.688	25.190	24.173	37.9	53.9	53.3	59.6	34.5	47.0	72	14	25	26	26	60	38	39	.125	.144	.142	1.04	.74	3.3	4.2	5.4	4.2
April	24.641	25.080	24.233	35.0	46.3	47.4	52.4	32.7	42.6	68	22	30	33	29	82	63	53	.176	.190	.166	2.71	.82	5.8	5.6	6.9	6.1
May	24.628	24.960	24.290	47.6	65.9	65.9	70.3	44.8	57.6	83	30	34	31	31	62	34	33	.198	.181	.183	1.73	.99	4.1	5.7	6.7	5.3
June	24.800	25.000	24.534	60.6	79.6	78.5	84.2	58.3	71.2	94	45	49	45	44	66	33	34	.353	.313	.312	.88	.26	2.6	3.3	6.5	4.2
July	24.836	25.010	24.620	61.3	79.4	75.8	83.5	58.7	71.1	94	54	52	48	50	74	36	49	.397	.341	.372	2.93	.49	3.3	3.4	6.2	4.2
August	24.798	25.040	24.600	60.0	79.2	76.8	82.7	58.5	70.6	93	52	48	45	48	67	33	39	.344	.311	.346	1.31	.58	4.0	4.2	5.9	5.0
September	24.849	25.140	24.469	50.1	64.3	63.8	69.3	46.9	58.1	86	33	44	43	46	81	54	56	.200	.231	.311	2.89	1.20	5.4	5.4	6.6	5.2
October	24.781	25.010	24.190	46.1	62.3	58.9	66.0	43.3	54.6	82	25	38	36	38	75	41	50	.232	.216	.237	.42	.29	5.0	6.0	6.7	6.0
November	24.711	25.020	24.240	29.1	43.9	39.6	47.4	25.8	36.6	75	4	21	25	24	73	51	56	.116	.141	.134	.88	.34	3.2	4.4	3.9	3.5
December	24.709	24.930	24.260	26.7	36.0	33.4	40.1	21.0	30.6	66	−10	16	19	20	65	54	62	.089	.103	.108	1.40	.35	3.3	6.4	3.6	5.3
Year	24.722	25.190	24.070	41.9	57.1	55.0	61.8	38.4	50.1	94	−11	32	32	32	69	44	48	.207	.200	.208	17.78	1.20	3.9	4.8	5.0	4.8

Annual meteorological summary for the year ending December 31, 1918—Continued.

DAVENPORT, IOWA.

[H_b=606 ft.; h_1=71 ft.; h_r=64 ft.; h_a=79 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.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. 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.	29	N.	0	4	10	2	4	1	7	23	11	0	12	5	14	13	9	23	12	0	0	28	0	31	0	0
February	9.3	SW.	38	SW.	0	3	6	4	4	4	15	10	10	0	7	11	10	11	5	10	6	0	2	9	0	23	0	0
March	8.8	SW.	36	SW.	0	3	5	19	1	4	14	5	9	2	16	7	8	5	2	3	1	0	1	0	0	16	2	1
April	9.7	E.	31	SW.	0	3	20	20	1	1	1	12	2	0	8	7	15	10	7	2	1	0	0	0	0	8	2	0
May	8.8	SW.	36	E.	0	2	2	10	3	14	20	6	5	0	7	17	7	14	13	0	0	0	1	0	0	0	8	1
June	7.2	E.	25	NW.	0	6	8	16	2	4	9	6	9	0	7	12	11	13	12	0	0	0	1	0	3	0	8	0
July	6.0	E.	27	W.	0	8	9	12	4	8	13	4	4	0	15	10	6	9	8	0	0	0	0	0	7	0	5	0
August	6.6	E.	24	E.	0	2	5	17	2	8	16	9	3	0	13	10	8	10	8	0	0	0	0	0	8	0	10	0
September	6.3	SW.	20	NW.	0	9	4	8	1	4	10	9	15	0	12	7	11	6	5	0	0	0	1	0	0	0	2	0
October	7.6	E.	30	SW.	0	2	5	16	5	5	11	10	7	1	12	6	13	10	8	1	0	0	3	0	0	0	0	0
November	8.1	W.	26	NW.	0	4	1	4	8	8	8	13	12	2	15	2	13	8	5	4	1	0	1	2	0	10	1	0
December	7.3	E.	27	W.	0	3	4	14	2	7	10	15	7	0	4	10	17	11	7	9	4	0	2	7	0	18	1	0
Year	7.9	E.	38	SW.	0	49	79	142	37	68	134	122	94	5	128	104	133	120	89	52	25	3	12	46	18	106	40	2

DAYTON, OHIO.

[H_b=899 ft.; h_1=181 ft.; h_r=176 ft.; h_a=216 ft.]

January	12.3	SW.	45	W.	2	3	9	7	4	3	17	14	4	1	8	12	11	18	13	22	16	0	0	26	0	31	0	0
February	13.8	SW.	60	NW.	5	4	2	1	10	6	18	6	9	0	6	9	13	10	6	7	3	0	5	7	0	21	3	0
March	11.6	SW.	56	NW.	2	8	17	2	2	4	19	5	5	0	12	11	8	8	7	3	0	0	1	0	0	12	2	1
April	13.8	NE.	42	NE.	2	11	14	4	9	6	7	5	3	1	5	6	19	13	10	1	1	1	0	0	0	4	6	0
May	11.1	SW.	42	W.	1	4	2	5	3	13	25	5	5	0	10	12	9	9	7	0	0	0	0	0	1	0	10	0
June	9.4	SW.	37	W.	0	11	12	1	5	12	12	4	3	0	9	12	9	7	6	0	0	0	0	0	2	0	5	0
July	7.7	NE.	39	NE.	0	12	16	2	4	11	7	3	6	1	5	18	8	8	5	0	0	0	1	0	4	0	8	0
August	7.9	SW.	36	S.	0	1	10	6	4	7	20	9	4	1	8	17	6	13	10	0	0	0	0	0	13	0	12	0
September	7.5	SW.	29	W.	0	14	7	1	3	5	15	1	9	5	10	9	11	9	9	0	0	0	1	0	0	0	2	0
October	9.2	SW.	39	S.	0	7	10	5	6	9	15	5	4	1	8	13	10	9	8	0	0	0	2	0	0	0	2	0
November	10.7	W.	51	W.	1	5	5	2	4	9	13	13	8	1	11	4	15	7	6	0	0	0	0	0	0	9	0	0
December	11.3	SW.	37	SW.	0	2	8	5	8	6	20	6	7	0	6	4	21	19	11	8	5	0	2	5	0	12	0	0
Year	10.5	SW.	60	NW.	13	82	112	41	62	91	188	76	67	11	98	127	140	130	98	41	25	2	12	38	20	89	50	1

DEL RIO, TEX.

[H_b=944 ft.; h_1=64 ft.; h_r=56 ft.; h_a=71 ft.]

January	7.0	E.	54	NW.	1	5	7	5	0	0	0	7	7	0	21	6	4	2	0	2	2	0	0	1	0	14	0	0
February	9.5	E.	38	N.	0	3	3	6	3	0	1	2	10	0	14	6	8	3	0	0	0	0	3	0	2	3	0	0
March	10.0	SE.	34	N.	0	3	5	9	3	0	0	3	8	0	21	8	2	2	0	0	0	0	0	0	3	0	1	0
April	10.3	SE.	49	N.	2	2	2	8	11	0	1	1	5	0	14	13	3	6	4	0	0	0	0	0	7	0	2	0
May	13.1	SE.	37	NE.	0	0	1	6	22	0	0	0	2	0	6	23	2	5	5	0	0	0	1	0	5	0	2	0
June	9.0	SE.	54	SE.	1	0	3	15	10	1	0	1	0	0	20	7	3	7	6	0	0	0	0	0	22	0	1	0
July	10.6	SE.	37	N.V.	0	0	3	17	10	0	0	0	1	0	25	6	0	2	2	0	0	0	0	0	31	0	1	0
August	10.7	SE.	49	S.V.	2	0	3	17	11	0	0	0	0	0	25	5	1	4	2	0	0	0	0	0	30	0	2	0
September	8.3	SE.	36	NE.	0	4	1	15	6	0	0	3	1	0	20	8	2	5	4	0	0	0	0	0	12	0	2	0
October	7.0	SE.	47	N.V.	1	1	4	14	1	0	1	4	6	0	18	8	5	6	4	0	0	0	1	0	3	0	0	0
November	9.3	SE.	34	NW.	0	2	2	8	6	2	0	2	8	0	9	11	10	10	5	0	0	0	1	0	0	1	0	0
December	8.2	N.V.	37	NW.	0	2	2	7	3	1	0	6	10	0	11	8	12	6	4	0	0	0	5	0	0	6	1	0
Year	9.4	E.	54	SE.	7	22	36	127	86	4	3	29	57	1	204	109	52	58	36	2	2	0	11	1	115	24	12	0

DENVER, COLO.

[H_b=5,291 ft.; h_1=106 ft.; h_r=98 ft.; h_a=113 ft.]

January	8.0	SE.	38	NW.	0	12	9	0	19	10	4	4	4	0	10	13	8	9	5	9	9	0	0	10	0	26	0	0
February	9.6	SE.	43	SW.	4	9	5	0	13	5	9	5	10	0	16	8	4	4	3	5	4	0	1	4	0	19	0	0
March	8.3	SE.	44	NW.	1	4	8	3	15	10	7	6	8	0	16	9	6	6	3	3	2	1	0	0	0	10	1	0
April	8.7	NW.	38	NW.	0	10	9	1	9	8	2	6	15	0	6	12	12	14	11	12	9	1	1	2	0	14	4	0
May	8.3	SE.	40	NE.	1	6	7	2	13	14	8	3	9	0	7	21	3	5	5	2	2	0	1	0	0	3	3	0
June	6.2	S.	29	N.V.	0	6	2	4	7	20	9	6	6	0	13	13	4	7	6	0	0	0	1	0	0	10	13	0
July	6.2	S.	30	SE.	0	4	4	2	4	29	7	5	7	0	14	13	4	18	12	0	0	0	1	0	0	3	20	0
August	6.5	S.	31	NW.	0	5	3	2	9	25	3	3	11	1	6	22	3	9	7	0	0	1	0	0	4	0	14	0
September	6.4	S.	28	N.	0	9	9	4	7	16	7	3	4	1	11	10	9	12	8	1	0	0	0	0	0	0	6	0
October	6.2	S.	28	N.	0	5	9	5	9	17	5	6	5	1	9	8	14	8	2	3	1	0	0	0	0	5	2	0
November	6.9	S.	31	S.V.	0	10	3	3	2	22	10	2	8	0	18	8	4	7	5	9	7	0	0	6	0	20	0	0
December	7.1	S.	28	NW.	0	8	6	2	2	23	8	6	7	0	11	11	9	8	7	7	7	0	0	9	0	24	0	0
Year	7.4	S.	44	NW.	6	88	74	28	110	199	79	55	94	3	137	143	80	103	74	51	41	4	3	31	17	121	63	0

Annual meteorological summary for the year ending December 31, 1918—Continued.

DES MOINES, IOWA.

[ϕ=41° 35′ N.; λ=93° 37′ W.]

Month.	Pressure.			Temperature.								Moisture.													
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	29.052	29.730	28.610	8.3	15.0	15.7	20.7	3.0	11.8	44	−20	5	7	9	84	70	73	0.055	0.062	0.070	0.78	0.32	6.2	6.2	5.1	6.0
February	29.096	30.000	28.190	21.1	29.3	30.3	37.1	15.6	26.4	61	−17	16	17	22	79	61	71	.105	.107	.134	1.45	.81	4.7	5.5	5.1	5.2
March	29.085	29.680	28.230	36.4	51.6	50.9	57.4	32.6	45.0	80	12	26	26	27	68	42	43	.147	.149	.146	.29	.14	4.7	5.9	4.9	5.2
April	29.078	29.740	28.500	39.1	51.1	52.3	56.4	37.2	46.8	75	27	30	27	30	71	41	45	.175	.156	.174	1.81	.68	6.3	5.8	6.3	6.3
May	28.991	29.440	28.240	59.7	73.5	72.8	78.7	55.7	67.2	91	34	50	49	51	72	48	51	.386	.397	.413	5.87	2.07	5.3	6.4	5.0	6.0
June	29.021	29.350	28.730	66.1	77.4	79.0	82.6	62.8	72.7	102	52	58	58	60	75	52	53	.489	.491	.524	5.63	1.66	5.4	4.7	4.6	4.9
July	29.108	29.332	28.901	68.7	81.9	80.9	86.6	64.7	75.6	98	53	60	59	60	74	48	52	.523	.522	.536	1.18	.74	4.2	4.4	5.1	4.3
August	29.035	29.269	28.752	70.7	85.2	84.5	89.9	67.5	78.7	110	50	61	61	62	74	48	49	.551	.555	.566	2.54	1.57	4.9	4.5	4.3	4.7
September	29.167	29.500	28.850	51.4	67.1	64.6	71.3	49.1	60.2	85	34	43	42	44	75	43	50	.294	.287	.308	.91	.44	4.5	4.9	4.7	4.5
October	29.100	29.470	28.290	49.9	62.4	59.5	66.2	46.9	56.6	86	30	43	43	44	80	54	60	.291	.286	.298	3.81	2.45	6.1	5.7	5.7	6.0
November	29.106	29.640	28.370	36.2	46.0	44.3	49.7	33.6	41.6	70	16	31	35	34	82	66	68	.188	.220	.214	2.10	1.29	5.9	5.7	5.0	5.3
December	29.089	29.470	28.604	31.6	37.9	35.6	41.5	27.0	34.2	58	5	28	30	29	86	74	77	.160	.169	.169	1.35	.44	6.7	6.6	6.7	6.7
Year	29.077	30.000	28.190	44.9	56.5	55.9	61.5	41.3	51.4	110	−20	38	38	39	77	54	58	.280	.283	.296	27.72	2.45	5.4	5.5	5.2	5.4

DETROIT, MICH.

[ϕ=42° 20′ N.; λ=83° 03′ W.]

January	29.079	29.640	28.020	10.4	14.2	14.1	19.8	6.5	13.2	36	−16	8	9	10	88	78	81	0.062	0.066	0.068	2.53	0.73	7.7	6.1	5.7	6.4
February	29.210	29.980	28.140	20.4	26.6	26.6	33.8	15.2	24.5	57	−16	17	20	21	86	75	77	.110	.123	.130	3.56	.93	5.5	6.4	4.3	5.8
March	29.246	29.760	28.550	33.0	41.8	40.9	48.9	30.2	39.6	73	15	25	27	29	73	59	65	.139	.152	.166	3.15	2.07	3.8	3.9	3.8	4.0
April	29.235	29.760	28.610	41.4	49.2	44.9	53.4	35.7	44.6	68	23	31	33	34	68	58	68	.184	.201	.207	2.30	.97	5.4	6.5	6.4	6.0
May	29.234	29.618	28.540	56.8	68.3	64.6	73.8	51.0	62.4	87	35	49	54	51	77	62	65	.370	.440	.406	2.64	.80	5.7	5.7	5.5	5.6
June	29.175	29.450	28.690	62.7	71.1	67.8	76.8	56.4	66.6	88	45	52	52	53	68	52	60	.396	.400	.417	3.30	1.64	5.0	4.8	5.0	4.6
July	29.260	29.480	28.980	67.1	76.5	72.1	80.8	61.4	71.1	94	48	58	58	58	74	56	62	.505	.509	.489	.74	.55	3.8	5.7	4.8	4.9
August	29.249	29.600	28.970	70.0	80.1	75.5	84.2	65.4	74.8	104	50	61	60	61	74	51	62	.547	.522	.550	1.29	.41	5.0	5.7	4.9	4.8
September	29.272	29.690	28.870	52.4	61.3	58.7	65.7	49.1	57.4	80	38	46	46	47	80	59	68	.322	.377	.335	4.10	2.15	4.7	6.8	6.4	6.2
October	29.282	29.650	28.790	51.0	58.8	55.9	63.5	47.6	55.6	75	37	46	45	46	83	63	71	.311	.314	.318	1.87	1.14	5.4	5.8	3.9	5.6
November	29.223	29.680	28.440	38.9	44.8	42.7	48.0	36.6	42.3	62	23	33	35	35	81	70	73	.198	.215	.209	2.12	.77	6.3	5.5	6.0	6.3
December	29.255	29.820	28.690	34.1	37.2	36.7	41.7	31.0	36.4	56	18	31	32	32	89	81	83	.183	.186	.186	3.59	.95	7.9	7.8	6.4	7.6
Year	29.227	29.980	28.020	44.8	52.5	50.0	57.5	40.5	49.0	104	−16	38	39	40	78	64	70	.277	.292	.290	31.19	2.15	5.5	5.9	5.3	5.6

DEVILS LAKE, N. DAK.

[ϕ=48° 07′ N.; λ=98° 52′ W.]

January	28.394	29.000	27.700	−6.9	−0.5	−3.1	4.5	(*)	−4.6	37	−36	− 8	− 3	− 5	94	87	91	0.034	0.043	0.036	0.24	0.08	5.5	6.5	4.4	6.5
February	28.364	29.180	27.780	3.2	13.9	12.2	19.9	−2.8	8.6	46	−30	0	8	9	88	77	86	.054	.077	.080	.14	.08	6.1	5.4	4.1	5.6
March	28.366	28.950	27.789	25.5	40.2	38.3	45.3	23.1	34.2	67	− 5	20	23	25	79	54	64	.112	.129	.142	.22	.21	5.8	5.6	6.1	6.2
April	28.375	29.050	27.810	32.4	47.9	46.1	52.9	29.6	41.2	73	14	25	28	28	74	50	53	.138	.155	.158	2.86	1.55	4.5	4.4	5.4	4.8
May	28.289	28.680	27.690	41.6	55.6	55.4	60.8	37.0	48.9	90	15	36	37	36	80	54	55	.218	.237	.236	3.69	1.63	5.2	6.1	6.8	6.7
June	28.366	28.779	27.720	55.0	68.2	66.4	72.5	49.9	61.2	96	39	48	48	51	80	51	59	.349	.357	.378	2.00	.91	4.3	5.0	5.5	5.2
July	28.444	28.750	27.950	55.9	69.7	70.7	75.3	51.2	63.2	94	40	51	53	53	84	58	57	.377	.409	.415	2.81	.97	5.6	5.6	5.0	5.5
August	28.360	28.590	27.950	57.6	73.6	70.5	77.0	53.5	65.2	94	41	53	53	53	86	52	56	.415	.421	.412	2.25	1.21	4.0	5.2	4.9	4.7
September	28.527	28.900	28.190	40.6	59.0	55.9	63.5	37.4	50.4	79	27	36	37	36	84	46	50	.218	.226	.222	.48	.28	4.2	5.5	4.3	5.3
October	28.414	28.750	27.800	36.6	51.2	46.2	54.9	33.8	44.4	74	20	31	32	33	80	52	64	.178	.187	.195	.55	.24	4.5	5.2	5.5	5.3
November	28.366	29.113	27.890	23.5	30.9	28.9	34.5	19.7	27.1	59	6	21	24	25	88	76	84	.117	.137	.137	1.80	.76	5.7	5.8	7.0	6.9
December	28.419	28.920	27.890	12.4	18.4	15.7	22.7	7.1	14.9	44	−27	10	15	13	92	84	90	.073	.087	.094	.67	.34	6.4	7.2	5.4	6.8
Year	28.390	29.180	27.690	31.4	44.0	41.9	48.6	27.2	37.9	96	−36	27	30	30	84	62	67	.190	.205	.208	17.71	1.63	5.2	5.6	5.4	5.8

DODGE CITY, KANS.

[ϕ=37° 45′ N.; λ=100° 00′ W.]

January	27.346	27.820	26.840	13.4	25.9	24.2	33.0	9.2	21.1	67	−19	7	15	14	72	63	61	0.063	0.099	0.088	0.80	0.67	4.7	3.7	4.0	4.0
February	27.388	28.060	26.720	24.5	41.6	42.7	53.9	21.1	37.5	84	− 8	16	25	23	67	51	46	.095	.139	.126	.29	.24	3.1	2.9	2.5	3.0
March	27.368	27.990	26.840	37.9	55.7	55.7	63.4	35.4	49.4	83	20	28	36	33	68	51	47	.162	.216	.195	2.39	1.59	3.5	3.2	4.4	3.7
April	27.343	27.940	26.870	38.7	51.8	53.5	58.4	37.1	47.8	74	28	33	38	38	81	63	60	.193	.237	.237	1.38	.55	5.2	5.7	5.8	4.7
May	27.273	27.678	26.910	57.4	73.4	72.7	80.4	53.6	67.0	94	35	48	52	52	73	51	50	.354	.410	.410	2.90	1.01	5.8	3.9	5.7	4.7
June	27.366	27.660	27.076	68.4	87.0	85.6	90.9	64.9	77.9	104	52	58	58	56	71	40	40	.484	.485	.457	.26	.20	3.2	2.7	2.9	3.1
July	27.423	27.640	27.205	68.5	87.0	84.5	90.9	66.1	78.5	99	54	60	63	60	76	47	45	.523	.588	.516	2.25	1.02	4.4	4.1	5.3	3.8
August	27.384	27.610	27.168	69.3	90.5	86.9	93.5	67.8	80.6	104	47	58	59	55	68	38	38	.489	.509	.447	.84	.51	2.8	2.2	2.9	2.9
September	27.485	27.780	27.080	51.8	72.9	67.4	76.3	50.4	63.4	99	38	46	54	48	82	54	53	.322	.423	.341	2.20	1.40	3.9	3.0	3.4	3.4
October	27.410	27.730	26.810	50.5	67.3	61.7	70.6	49.0	59.8	88	28	45	48	46	82	56	62	.316	.354	.329	1.67	.81	5.4	5.4	5.4	4.9
November	27.419	27.870	26.810	34.0	48.0	42.9	51.6	31.8	41.7	71	16	29	33	31	81	57	63	.173	.203	.186	37	.11	4.5	4.4	3.7	4.5
December	27.399	27.650	26.940	27.2	40.4	33.9	44.3	23.6	34.0	74	− 6	22	28	23	79	63	66	.123	.166	.135	4.03	1.35	3.6	4.4	4.1	4.3
Year	27.384	28.060	26.720	45.1	61.8	59.3	67.3	42.5	54.9	104	−19	38	42	40	75	53	53	.275	.319	.289	19.58	1.59	4.2	3.8	4.2	3.9

* −13.6, mean minimum temperature, Devils Lake, January.

Annual meteorological summary for the year ending December 31, 1918—Continued.

DES MOINES, IOWA.

[H_b=861 ft.; h_t=84 ft.; h_r=76 ft.; h_a=97 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.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. 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.	26	N.	0	16	6	1	4	3	3	14	15	0	6	14	11	7	5	19	7	0	0	25	0	31	0	0
February	8.7	SW.	37	NW.	0	8	3	4	3	3	17	6	11	1	10	10	8	8	6	8	6	0	1	10	0	22	1	0
March	9.1	SW.	34	SW.	0	7	5	14	1	5	17	6	6	1	12	9	10	4	2	2	2	0	1	1	0	15	0	1
April	8.6	SE.	28	W.	0	9	8	11	14	0	1	10	7	0	8	9	15	10	8	3	2	2	0	0	0	7	1	0
May	10.7	SW.	44	SW.	1	7	6	5	5	14	20	1	4	0	7	13	11	15	11	1	0	0	0	0	0	2	0	13
June	7.5	N.	28	NW.	0	9	4	10	14	5	10	2	6	0	11	9	10	12	11	0	0	3	1	0	6	0	11	0
July	6.3	N.	32	SW.	0	11	9	8	7	10	8	4	5	0	12	14	5	7	5	0	0	0	0	0	12	0	5	0
August	7.0	SW.	38	SW.	0	11	3	13	8	8	13	3	3	0	13	11	7	9	9	0	0	0	0	0	16	0	7	0
September	6.8	N.	34	SW.	0	16	4	7	3	6	12	4	8	0	14	8	8	7	4	0	0	0	0	0	0	0	0	0
October	7.3	SW.	36	SW.	0	9	4	5	10	4	14	7	9	0	8	9	14	9	7	1	0	0	2	0	0	1	2	0
November	8.3	NW.	32	NW.	0	9	0	0	6	14	11	11	9	0	10	8	12	11	7	6	4	0	1	1	0	12	1	0
December	7.3	SW.	28	SW.	0	5	3	5	11	3	12	10	13	0	6	9	16	10	7	7	5	0	0	9	0	18	1	0
Year	8.0	SW.	44	SW.	1	117	55	83	86	75	138	78	96	2	117	121	127	109	82	47	26	5	6	46	36	106	42	1

DETROIT, MICH.

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

January	15.6	SW.	66	SW.	2	5	7	7	2	4	20	11	6	0	8	10	13	13	9	21	13	0	0	28	0	31	0	0
February	14.2	SW.	58	NW.	5	2	5	3	1	5	20	7	13	0	8	10	10	11	10	14	5	1	3	11	0	25	2	0
March	13.3	SW.	42	W.	2	11	7	7	4	5	15	9	4	0	15	10	6	7	6	6	4	1	3	0	0	21	3	0
April	13.9	E.	39	W.	0	5	16	11	6	6	5	9	2	0	6	13	11	13	10	3	2	1	2	0	0	11	3	0
May	11.1	SW.	44	W.	2	3	6	11	10	7	13	9	3	0	8	15	8	13	10	0	0	0	1	0	0	0	8	0
June	11.5	E.	50	SW.	2	5	10	7	4	6	7	9	12	0	10	17	3	8	6	0	0	0	1	0	0	0	8	0
July	9.1	SW.	36	NW.	0	9	11	9	3	8	9	8	5	0	9	18	4	6	2	0	0	0	0	0	0	7	5	0
August	9.9	SW.	32	SW.	0	4	7	8	8	8	12	9	6	0	9	18	4	9	7	0	0	0	0	0	0	8	6	0
September	10.9	W.	36	NE.	0	7	6	2	4	6	10	16	9	0	4	15	11	13	9	0	0	0	0	0	0	0	2	0
October	11.4	SW.	45	SW.	2	3	6	7	4	9	14	11	8	0	9	14	8	11	8	0	0	0	4	0	0	0	0	0
November	12.4	W.	60	SW.	1	10	1	3	2	9	11	18	6	0	8	6	16	12	9	1	1	0	0	0	0	9	1	0
December	10.7	W.	46	NW.	1	5	4	10	7	5	10	14	7	0	3	7	21	13	11	8	3	0	4	4	0	18	1	0
Year	12.0	SW.	66	SW.	17	69	86	85	55	78	146	130	81	0	97	153	115	129	97	53	28	4	18	43	15	115	39	0

DEVILS LAKE, N. DAK.

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

January	12.2	NW.	38	NW.	0	9	3	3	5	3	5	13	21	0	8	5	18	9	2	14	9	0	0	30	0	31	0	0
February	12.2	SW.	39	N.	0	7	7	2	3	5	16	10	6	0	10	10	8	4	2	12	4	0	0	18	0	28	0	1
March	12.1	SW.	36	NW.	0	5	4	5	12	6	16	7	7	0	7	10	14	2	1	4	0	0	0	6	0	22	0	1
April	14.2	N.	50	N.	2	9	5	5	13	11	6	4	7	0	13	8	9	8	7	5	4	0	0	1	0	20	1	1
May	12.5	N.	40	N.	1	12	12	6	5	6	1	7	12	1	9	6	16	12	9	1	0	1	1	0	0	7	5	1
June	10.8	SE.	38	NW.	0	3	10	4	15	4	3	12	9	0	11	9	10	11	8	0	0	0	1	0	1	0	7	0
July	8.6	SE.	35	NW.	0	10	9	7	15	4	6	6	4	1	11	10	10	9	6	0	0	0	0	0	2	0	5	1
August	9.3	SE.	38	SE.	0	2	3	8	15	6	5	13	10	0	12	14	5	13	7	0	0	0	0	0	1	0	11	3
September	8.9	NW.	36	N.	0	11	9	5	8	3	6	4	13	1	9	15	6	6	2	0	0	0	0	0	0	8	1	1
October	9.9	NW.	40	NW.	1	8	5	6	10	1	8	8	16	0	12	8	11	7	5	4	3	0	2	0	0	11	2	1
November	10.7	NW.	34	NW.	0	8	1	3	13	3	9	10	13	0	8	5	17	9	7	7	4	1	2	13	0	27	1	0
December	9.5	SW.	39	NE.	0	8	5	7	8	3	12	8	11	0	7	5	19	9	6	13	9	0	0	25	0	31	0	2
Year	10.9	NW.	50	N.	4	92	73	61	122	55	93	102	129	3	117	105	143	99	62	60	33	2	6	93	4	185	33	12

DODGE CITY, KANS.

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

January	10.7	NW.	38	N.	0	9	8	3	8	3	1	7	23	0	15	9	7	6	4	7	6	0	0	15	0	31	0	0
February	11.4	NW.	43	NW.	2	5	5	5	8	10	6	6	11	0	17	8	3	3	2	3	1	0	0	3	0	24	0	0
March	11.4	S.	51	NW.	2	11	5	6	5	13	6	11	5	0	16	10	5	6	5	1	0	1	0	0	0	10	2	1
April	12.9	SE.	36	SE.	0	12	6	10	12	0	3	7	10	0	13	9	8	9	6	0	0	0	1	0	0	6	2	0
May	14.2	S.	46	SE.	2	3	5	5	17	18	4	5	4	1	13	12	6	9	6	0	0	1	1	0	0	9	0	0
June	9.8	S.	40	NW.	1	1	7	4	12	18	10	3	5	0	20	8	2	4	2	0	0	0	2	0	19	0	4	0
July	8.1	S.	33	SE.	0	5	6	7	16	17	5	4	2	0	16	13	2	11	8	0	0	0	0	0	18	0	10	0
August	10.4	S.	36	NE.	0	0	5	4	9	26	13	3	2	0	21	9	2	6	5	0	0	0	0	0	25	0	5	0
September	7.1	NE.	30	SE.	0	14	12	1	6	9	5	6	5	2	17	8	5	7	5	0	0	0	0	0	3	0	0	0
October	9.5	SE.	33	W.	0	12	5	9	15	8	5	1	7	0	11	9	11	8	6	2	2	0	1	0	0	3	2	0
November	10.2	S.	40	NW.	1	13	4	2	7	17	1	4	12	0	14	5	11	6	4	5	5	0	0	6	0	15	1	0
December	10.9	NW.	44	NW.	1	7	6	2	2	6	4	13	23	0	16	7	8	10	9	8	7	0	0	9	0	25	0	0
Year	10.6	S.	51	NW.	9	92	74	58	117	145	63	70	108	3	189	106	70	85	62	26	21	2	5	33	71	114	35	1

Annual meteorological summary for the year ending December 31, 1918—Continued.

DREXEL, NEBR.

[ϕ=41° 20′ N.: λ=96° 16′ W.]

Month.	Pressure.			Temperature.								Moisture.												
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	28.591	29.240	28.150	5.6	14.6	12.6	20.7	0.4	10.6	52	−24	4	10	9	93	80	84	0.059	0.074	0.069	0.49	0.18	5.2	6.1	5.7	5.8
February	28.621	29.490	27.810	17.1	28.0	27.7	36.1	13.7	24.9	63	−17	14	20	21	89	72	78	.098	.121	.128	.94	.34	3.9	5.8	5.4	5.1
March	28.592	29.220	27.756	34.7	52.2	50.1	58.5	31.5	45.0	80	14	26	29	28	72	46	48	.146	.162	.160	.19	.15	4.5	5.1	5.7	5.2
April	28.599	29.220	28.110	38.0	50.9	49.9	55.7	35.3	45.5	69	23	30	31	31	74	48	51	.172	.178	.180	1.77	.72	5.6	6.2	6.7	6.0
May	28.493	28.900	27.780	58.3	73.2	70.5	78.2	53.2	65.7	92	35	50	50	50	76	49	53	.393	.390	.386	4.28	.94	5.7	5.1	6.2	5.4
June	28.547	28.890	28.260	67.0	90.9	80.9	85.6	61.8	73.7	100	48	59	61	62	76	53	54	.506	.559	.574	2.55	.61	4.6	3.9	3.7	3.7
July	28.625	28.837	28.390	68.6	81.8	81.4	86.8	63.5	75.2	99	51	61	65	64	79	59	58	.550	.626	.609	2.12	1.47	5.0	5.1	3.8	4.7
August	28.550	28.772	28.303	69.8	86.6	84.2	92.0	66.0	79.0	110	46	61	60	60	75	43	47	.552	.536	.538	.70	.21	5.2	4.1	3.6	4.6
September	28.682	29.010	28.380	49.9	69.1	64.7	73.6	47.8	60.7	92	30	42	42	43	75	41	49	.277	.279	.293	1.04	.67	3.4	4.4	4.7	4.1
October	28.609	28.914	27.990	47.9	61.4	57.9	65.0	46.6	55.8	87	28	43	45	45	85	60	67	.291	.310	.314	5.01	1.51	5.8	6.3	6.3	6.2
November	28.611	29.180	27.980	34.3	43.7	40.5	47.2	31.7	39.4	66	13	32	35	35	90	72	80	.190	.217	.218	2.66	1.06	4.1	4.6	4.5	4.6
December	28.604	28.970	27.960	29.4	36.7	33.8	40.4	25.3	32.8	61	−3	27	30	29	90	76	84	.154	.170	.172	.95	.38	7.4	6.5	6.1	7.1
Year	28.594	29.490	27.756	43.4	56.6	54.5	61.6	39.7	50.7	110	−24	37	40	40	81	58	63	.282	.302	.303	22.70	1.51	5.0	5.3	5.2	5.2

DUBUQUE, IOWA.

[ϕ=42° 30′ N.: λ=90° 44′ W.]

January	29.205	29.870	28.543	3.5	10.4	10.9	16.6	−0.3	8.2	37	−16	1	5	7	87	78	84	0.045	0.053	0.061	1.83	0.72	4.9	5.1	5.3	5.5
February	29.276	30.163	28.440	19.0	26.4	25.4	32.4	13.5	23.0	56	−21	15	18	19	85	70	75	.105	.111	.113	1.37	.62	4.2	5.5	5.9	5.5
March	29.303	29.880	28.570	33.0	47.1	46.0	52.2	31.0	41.6	77	16	26	28	30	77	50	55	.140	.156	.169	2.12	1.65	3.9	4.9	4.4	4.6
April	29.281	29.970	28.580	38.3	48.3	48.4	53.2	35.1	44.2	69	27	30	29	30	73	51	52	.177	.167	.173	2.16	.63	4.7	5.8	5.4	5.6
May	29.209	29.668	28.395	58.1	69.1	69.9	74.9	54.9	64.9	89	33	50	52	52	75	58	57	.379	.421	.430	8.64	2.33	6.3	6.8	5.5	6.5
June	29.224	29.510	28.910	63.6	72.2	73.8	77.7	59.7	68.7	96	51	56	57	58	76	61	61	.455	.483	.506	6.15	1.53	7.0	6.6	5.8	6.5
July	29.311	29.557	29.150	66.3	76.9	77.8	81.8	62.8	72.3	93	52	60	59	62	79	55	59	.521	.513	.571	3.77	.82	4.7	4.8	4.5	4.6
August	29.249	29.552	28.980	68.3	79.2	77.7	84.1	65.0	74.6	98	53	61	62	65	79	58	66	.551	.573	.627	6.09	5.22	5.8	5.1	4.9	5.4
September	29.353	29.743	29.053	50.0	63.1	59.6	67.1	47.6	57.4	81	36	45	45	46	83	53	62	.304	.309	.323	1.63	1.18	5.2	5.5	4.3	5.6
October	29.204	29.670	28.570	47.9	59.9	56.7	63.7	44.4	54.0	82	32	42	43	42	82	57	61	.280	.288	.282	2.85	1.50	6.1	5.1	5.0	5.5
November	29.279	29.790	28.350	36.1	44.2	42.3	48.2	34.3	41.2	67	16	31	33	32	81	65	67	.183	.201	.197	1.10	.81	6.4	4.9	4.3	5.2
December	29.283	29.731	28.890	30.2	36.6	33.9	38.9	27.0	33.0	55	5	27	29	29	87	77	82	.153	.169	.168	1.90	.85	6.8	7.9	5.7	7.8
Year	29.272	30.163	28.350	42.9	52.7	51.9	57.6	39.6	48.6	98	−21	37	38	39	80	61	65	.275	.287	.302	39.61	5.22	5.5	5.7	5.1	5.7

DULUTH, MINN.

[ϕ=46° 47′ N.: λ=92° 06′ W.]

January	28.681	29.310	28.060	−3.5	3.1	2.2	8.7	−7.2	0.8	24	−28	−4	1	0	97	90	92	0.037	0.045	0.044	0.94	0.48	6.7	5.5	5.0	6.1
February	28.719	29.470	28.070	6.4	13.5	13.3	20.0	1.5	10.8	43	−22	5	9	9	94	82	81	.064	.072	.070	.28	.09	5.8	5.5	4.7	5.9
March	28.780	29.330	28.070	26.4	35.7	33.6	40.9	21.8	31.4	67	−1	20	21	20	78	60	59	.114	.115	.108	.50	.25	4.4	5.4	4.2	4.6
April	28.795	29.489	28.020	32.5	39.3	38.5	44.9	27.7	36.3	61	11	22	23	22	69	56	54	.120	.129	.118	2.02	.92	3.4	3.2	3.2	3.6
May	28.682	29.170	28.080	44.1	49.9	49.3	57.0	36.8	46.9	87	27	36	36	36	76	66	65	.226	.225	.219	4.07	1.13	5.8	5.6	5.1	6.6
June	28.724	29.120	27.990	54.9	61.6	60.2	67.8	47.0	57.4	80	41	46	46	44	72	59	60	.317	.321	.302	.84	.33	5.4	4.4	4.1	4.9
July	28.809	29.068	28.575	60.6	68.2	65.9	72.9	53.7	63.3	90	46	53	54	54	78	63	67	.414	.427	.418	1.23	.35	4.6	4.7	4.7	4.1
August	28.759	29.124	28.437	60.2	70.0	65.8	73.6	55.6	64.6	90	46	54	56	53	82	63	66	.427	.453	.411	2.32	.57	5.0	4.7	3.4	4.3
September	28.853	29.324	28.530	44.5	55.6	50.6	59.5	41.2	50.4	74	30	40	39	40	83	56	69	.250	.246	.259	1.41	.53	5.3	4.7	4.5	4.9
October	28.770	29.200	27.930	41.7	48.5	45.4	51.5	36.4	45.4	76	26	36	38	37	82	71	77	.220	.230	.227	2.18	.77	5.6	5.9	5.5	6.6
November	28.712	29.330	28.100	31.2	35.7	34.1	39.6	27.7	33.6	56	8	28	28	28	86	74	79	.163	.165	.166	1.94	1.09	6.8	6.3	4.5	6.6
December	28.773	29.240	28.280	21.9	25.7	24.2	28.7	18.5	23.6	44	1	21	23	22	95	90	91	.116	.126	.122	2.08	.55	7.7	7.2	7.4	7.7
Year	28.755	29.489	27.930	35.1	42.2	40.3	47.1	30.3	38.7	90	−28	30	31	30	82	69	72	.206	.213	.205	19.76	1.13	5.5	5.3	4.7	5.5

EASTPORT, ME.

[ϕ=44° 54′ N.: λ=66° 59′ W.]

January	29.643	30.450	28.630	12.8	17.2	17.5	22.3	8.6	15.4	42	−11	9	13	13	82	81	80	0.069	0.081	0.085	2.88	1.00	6.1	6.3	4.9	6.1
February	29.877	30.581	28.650	15.5	20.1	20.1	27.0	8.2	17.6	49	−16	10	12	14	79	71	76	.060	.095	.096	3.05	.74	6.4	6.1	5.1	6.2
March	29.792	30.332	29.190	23.7	29.3	27.5	34.2	18.7	26.4	57	0	18	21	21	76	70	75	.103	.116	.115	2.17	.73	5.9	5.6	3.8	5.6
April	29.950	30.583	29.260	36.8	41.4	38.6	45.8	31.6	38.7	63	22	30	28	29	75	61	70	.168	.158	.163	2.10	1.39	4.8	4.0	4.3	4.8
May	29.935	30.389	29.300	46.3	51.3	48.5	56.5	40.5	48.5	78	35	39	38	39	78	64	73	.239	.235	.241	1.50	.61	4.7	5.6	5.2	6.2
June	29.819	30.202	29.180	52.6	57.6	52.9	62.4	45.6	53.7	85	40	44	44	46	75	66	78	.294	.296	.311	3.26	1.16	4.2	5.9	6.4	5.7
July	29.894	30.200	29.577	56.0	60.8	56.6	65.1	50.2	57.6	82	46	54	55	54	94	83	91	.424	.436	.418	2.98	1.29	5.6	6.5	4.8	7.4
August	29.948	30.420	29.610	56.8	63.1	57.9	66.2	51.4	58.8	77	46	51	51	52	83	68	83	.385	.383	.398	1.57	.53	3.6	4.9	3.0	5.2
September	29.939	30.288	29.460	53.5	57.5	54.0	60.9	48.1	54.5	71	37	49	48	49	88	72	85	.360	.345	.362	4.65	1.64	5.0	6.3	4.9	6.1
October	29.996	30.390	29.451	46.1	51.3	48.5	54.0	42.4	48.2	66	33	41	40	42	84	67	81	.273	.254	.280	3.33	.86	5.7	5.9	4.4	7.1
November	29.873	30.500	29.250	36.6	39.9	38.1	42.8	32.5	37.6	53	16	32	32	32	83	74	79	.189	.188	.186	2.00	.98	5.9	6.0	4.8	6.4
December	30.003	30.630	29.346	25.2	28.7	27.2	33.0	20.7	26.8	50	4	23	24	23	90	80	83	.133	.138	.129	2.31	.45	7.1	7.5	6.9	7.3
Year	29.889	30.630	28.630	38.5	43.2	40.6	47.5	33.2	40.3	85	−16	33	34	34	82	71	80	.227	.228	.232	32.70	1.64	5.4	5.9	4.8	6.1

Annual meteorological summary for the year ending December 31, 1918—Continued.

DREXEL, NEBR.

[H_b=1,299 ft.; h_t=10 ft.; h_r=3 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	11.3	NW.	36	NW.	0	11	9	0	5	3	8	4	22	0	10	8	13	6	3	20	6	0	0	23	0	31	0	0
February	12.6	SW.	36	NW.	0	8	4	1	6	4	14	4	15	0	11	8	9	7	7	8	6	0	0	10	0	24	1	0
March	13.8	SW.	44	NW.	1	8	9	8	4	5	21	2	5	0	12	9	10	2	2	2	2	0	3	1	0	15	0	1
April	13.1	SE.	50	W.	1	4	12	2	21	3	2	6	10	0	9	7	14	11	6	2	2	1	0	0	0	7	3	0
May	15.6	SW.	54	SW.	7	6	13	4	8	15	13	2	1	0	10	12	9	11	9	0	0	0	1	0	1	0	13	1
June	9.2	NE.	39	NW.	0	6	14	8	9	6	9	1	6	1	17	7	6	12	10	0	0	0	0	0	9	0	15	0
July	9.4	NE.	37	SW.	0	3	12	7	16	10	9	2	3	0	12	9	10	8	6	0	0	0	1	0	8	0	7	0
August	10.0	SE.	36	SW.	0	6	10	8	12	16	5	1	4	0	13	12	6	10	5	0	0	0	0	0	18	0	14	0
September	9.6	NE.	35	SW.	0	12	18	3	4	9	7	3	4	0	14	8	8	10	6	0	0	1	0	0	1	1	5	0
October	10.4	SE.	35	SW.	0	9	7	9	9	8	7	2	11	0	9	8	14	11	10	3	2	0	2	0	0	5	2	0
November	12.3	NW.	38	SW.	0	13	1	0	7	10	13	1	15	0	15	5	10	10	9	6	4	0	1	3	0	12	1	2
December	11.4	NW.	39	SW.	0	11	6	4	9	4	12	3	13	0	5	9	17	10	7	7	3	0	4	8	0	22	0	0
Year	11.6	SW.	54	SW.	9	97	115	54	110	93	120	31	109	1	137	102	126	108	80	48	25	2	12	45	37	117	61	4

DUBUQUE, IOWA.

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

January	7.8	NW.	31	N.	0	12	6	2	3	7	6	4	21	1	13	5	13	15	11	21	15	0	0	29	0	31	0	0
February	7.3	NW.	35	NW.	0	9	4	0	5	15	6	5	12	0	8	9	11	9	6	9	7	0	2	12	0	24	1	0
March	7.1	S.	35	N.	0	7	5	8	5	18	6	3	9	1	11	11	9	4	4	3	2	0	1	1	0	18	2	1
April	7.6	NE.	24	NE.	0	9	11	6	12	5	5	4	7	1	9	10	11	11	11	4	3	1	0	0	0	12	2	0
May	7.6	S.	38	SE.	0	3	2	5	7	21	11	1	11	1	7	9	15	17	13	0	0	2	1	0	0	0	10	2
June	6.4	NW.	32	S.	0	8	4	5	10	10	6	3	13	1	5	12	13	11	9	0	0	1	0	0	2	0	8	0
July	5.1	S.	25	NW.	0	11	6	3	7	19	3	0	13	0	15	7	9	13	11	0	0	0	0	0	4	0	7	0
August	5.2	S.	29	NW.	0	6	10	2	11	21	5	2	5	0	11	9	11	13	6	0	0	0	0	0	6	0	9	1
September	5.5	NW.	21	NW.	0	6	5	0	4	17	4	5	17	2	9	13	8	9	6	0	0	0	3	0	0	0	0	0
October	6.1	S.	28	S.	0	6	6	3	8	18	7	4	10	0	11	8	12	9	7	1	0	0	2	0	0	0	1	0
November	7.2	NW.	26	NW.	0	10	2	0	8	15	8	4	13	0	13	6	11	7	4	3	1	0	2	2	0	11	0	0
December	5.9	S.	30	NW.	0	8	3	0	12	17	6	5	10	1	3	9	19	13	9	11	8	0	2	10	0	21	0	0
Year	6.6	S.	38	SE.	0	95	64	34	92	183	73	40	141	8	145	108	142	131	97	52	36	3	14	54	12	117	40	4

DULUTH, MINN.

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

January	14.1	NW.	60	NW.	3	4	4	1	1	4	10	18	20	0	8	9	14	10	6	17	10	0	0	31	0	31	0	0
February	14.4	SW.	50	NW.	6	2	11	2	0	3	17	10	11	0	8	6	14	9	4	11	9	0	1	23	0	27	0	0
March	14.3	NE.	46	NE.	2	6	19	1	2	3	13	9	9	0	15	8	8	6	2	5	4	0	1	9	0	26	0	1
April	12.8	NE.	45	NE.	4	3	31	2	1	4	6	5	8	0	18	5	7	6	6	6	2	0	4	2	0	21	0	1
May	14.3	NE.	52	W.	2	6	31	0	2	2	12	4	5	0	7	10	14	17	13	0	0	2	9	0	0	6	6	1
June	12.4	NE.	47	NW.	3	4	26	1	2	0	12	10	5	0	11	13	6	9	5	0	0	0	4	0	0	0	2	1
July	10.1	NE.	43	NW.	1	5	25	1	3	6	9	7	6	0	15	10	6	14	9	0	0	0	4	0	1	0	6	3
August	11.4	NE.	33	SW.	0	1	28	3	1	0	10	16	3	0	12	14	5	12	8	0	0	0	3	0	1	0	6	1
September	12.0	NW.	39	NW.	0	6	10	0	0	1	10	16	17	0	13	7	10	10	7	0	0	0	0	0	0	1	1	1
October	13.7	NE.	65	W.	3	7	17	3	0	7	9	12	7	0	9	4	18	12	11	4	1	0	3	1	0	5	0	2
November	14.3	NW.	53	W.	5	4	10	3	1	5	13	12	12	0	6	7	17	8	4	6	2	0	4	8	0	21	1	2
December	14.1	NE.	47	NE.	2	4	14	4	0	5	10	11	14	0	4	4	23	17	11	20	14	0	5	20	0	28	0	2
Year	13.2	NE.	65	W.	31	52	226	21	13	40	131	130	117	0	126	97	142	130	86	69	42	2	38	94	2	166	22	15

EASTPORT, ME.

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

January	13.5	W.	62	E.	2	4	2	6	1	1	4	23	21	0	6	14	11	14	8	16	12	0	4	26	0	31	0	2
February	13.8	W.	49	SE.	2	3	3	0	4	7	9	15	14	1	8	9	11	14	13	14	10	0	3	18	0	27	1	2
March	12.1	NW.	40	NW.	3	4	8	3	1	2	12	9	23	0	13	6	12	13	9	15	11	0	1	11	0	30	0	5
April	11.3	NW.	40	S.	1	6	12	3	1	11	11	3	13	0	13	9	8	9	6	4	3	0	3	1	0	16	2	6
May	10.1	S.	37	NW.	0	6	3	1	1	25	11	6	9	0	6	13	12	8	7	0	0	0	12	0	0	0	3	1
June	8.7	S.	44	E.	2	3	5	4	3	14	8	18	5	0	10	9	11	12	9	0	0	0	9	0	0	0	2	0
July	8.2	S.	33	NE.	0	7	14	5	1	18	13	1	2	1	3	10	18	13	11	0	0	0	23	0	0	0	6	0
August	7.6	S.	29	NW.	0	3	4	1	1	28	7	5	15	0	10	11	10	12	5	0	0	0	14	0	0	0	2	2
September	9.2	S.	38	SE.	0	4	1	5	4	17	11	6	12	0	7	6	17	12	8	0	0	0	8	0	0	0	2	1
October	10.5	NW.	40	NE.	1	5	4	2	1	11	14	8	17	0	8	4	19	13	10	0	0	0	7	0	0	0	2	4
November	12.4	NW.	67	E.	3	6	8	5	3	2	11	11	14	0	7	8	15	10	6	3	2	0	0	1	0	11	0	4
December	12.5	NW.	41	E.	1	8	6	4	7	2	2	13	20	0	6	7	18	16	12	17	12	0	0	14	0	26	0	0
Year	10.8	NW.	67	E.	15	59	70	42	28	133	113	118	165	2	97	106	162	146	104	69	50	0	84	71	0	141	20	27

Annual meteorological summary for the year ending December 31, 1918—Continued.

ELKINS, W. VA.

[ϕ=38° 53′ N.: λ=79° 49′ W.]

Month.	Pressure.			Temperature.								Moisture.												
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	27.783	28.240	26.860	16.9	21.9	22.0	29.9	11.5	20.7	50	−15	15	16	17	90	76	81	0.093	0.094	0.105	5.11	1.16	9.1	8.0	7.1	8.5
February	27.995	28.570	27.100	29.2	37.9	36.7	47.1	22.1	34.6	74	− 7	24	28	30	83	69	76	.143	.173	.136	3.61	1.25	7.0	7.0	6.5	7.1
March	27.983	28.421	27.500	36.7	48.5	45.7	58.1	30.6	44.4	75	14	30	33	33	79	58	62	.179	.208	.199	5.61	2.36	5.5	6.4	3.6	5.3
April	27.950	28.240	27.550	42.3	52.4	49.8	57.4	36.0	46.7	71	21	36	35	37	81	57	64	.226	.216	.227	4.66	1.16	7.7	7.5	7.0	7.3
May	28.078	28.380	27.650	59.5	70.9	67.1	76.1	51.4	63.8	86	27	52	49	52	77	50	61	.400	.379	.415	5.87	1.61	6.1	6.1	5.2	6.3
June	27.962	28.210	27.610	59.9	71.5	66.0	75.7	52.1	63.9	86	38	54	52	56	81	54	70	.423	.412	.457	5.32	1.89	6.4	6.2	6.5	6.6
July	28.037	28.250	27.820	60.7	73.3	67.6	77.5	55.6	66.6	87	41	56	54	59	87	53	75	.463	.426	.508	1.68	.41	5.5	6.3	6.3	6.5
August	28.074	28.363	27.890	66.0	79.1	71.6	83.4	61.0	72.2	99	45	62	60	64	86	55	78	.557	.546	.608	5.43	1.35	5.7	5.5	6.7	6.3
September	28.047	28.370	27.806	49.0	64.2	55.9	68.3	45.0	56.6	84	29	47	47	50	92	56	81	.330	.330	.368	3.06	1.12	5.5	5.8	5.1	6.5
October	28.079	28.381	27.570	47.6	63.8	55.0	67.9	42.4	55.2	79	27	44	45	46	88	54	72	.300	.314	.317	3.40	1.17	6.8	3.5	4.9	6.9
November	28.016	28.370	27.390	34.0	46.0	39.3	50.9	30.2	40.6	74	19	29	30	32	81	58	76	.165	.173	.185	1.60	.57	6.8	7.2	4.9	6.9
December	28.020	28.500	27.519	35.7	43.2	40.0	48.9	31.4	40.2	67	10	32	34	34	86	72	79	.200	.218	.212	5.93	1.78	8.0	7.7	6.7	7.9
Year	28.002	28.570	26.860	44.8	56.1	51.4	61.8	39.1	50.5	99	−15	40	40	42	84	59	73	.290	.291	.316	51.28	2.36	6.7	6.4	5.9	6.8

ELLENDALE, N. DAK.

[ϕ=45° 59′ N.: λ=98° 34′ W.]

January	28.437	29.060	27.780	−0.8	....	2.5	9.3	−6.4	1.4	43	−28	−2	....	0	92	....	89	0.045	.....	0.049	0.42	0.12	5.5	....	5.0	6.2
February	28.420	29.260	27.880	6.6	....	17.7	25.0	1.0	13.0	51	−35	5	....	13	91	....	83	.069	.....	.092	.50	.46	4.4	....	4.5	5.1
March	28.422	29.040	27.890	25.5	....	39.8	47.0	22.8	34.9	75	− 6	22	....	27	86	....	64	.120	.....	.154	.71	.54	5.3	....	5.5	5.5
April	28.408	29.090	27.790	32.0	....	48.1	52.9	29.3	41.1	72	15	26	....	27	79	....	48	.146	.....	.153	2.46	.95	4.4	....	4.5	5.2
May	28.310	28.710	27.710	46.1	....	61.8	66.7	40.3	53.5	88	24	41	....	43	82	....	56	.270	.....	.297	3.27	1.42	6.8	....	2.4	6.2
June	28.400	28.830	27.840	57.4	....	70.4	74.3	51.5	62.9	92	38	52	....	55	83	....	61	.397	.....	.462	2.47	1.32	5.4	....	4.8	5.2
July	28.467	28.740	28.010	59.5	....	72.7	79.2	53.2	66.2	97	42	55	....	57	85	....	62	.436	.....	.482	2.64	.73	5.8	....	5.9	5.5
August	28.403	28.650	28.010	59.4	....	74.2	80.0	55.3	67.6	95	43	55	....	57	86	....	58	.447	.....	.483	3.47	2.00	5.4	....	3.8	4.8
September	28.545	28.880	28.240	41.5	....	58.3	67.0	38.0	52.5	83	21	36	....	38	81	....	49	.215	.....	.241	.14	.14	4.2	....	4.8	4.8
October	28.454	28.760	27.830	39.8	....	50.3	59.9	35.2	47.6	80	17	32	....	34	75	....	57	.186	.....	.202	.23	.11	5.4	....	5.2	5.3
November	28.415	29.130	27.910	24.6	....	31.0	38.3	20.4	29.4	65	3	23	....	27	91	....	82	.128	.....	.150	2.16	.89	4.5	....	4.6	5.9
December	28.453	28.960	28.020	16.6	....	20.3	27.9	10.1	19.0	58	−25	14	....	17	88	....	86	.086	.....	.101	.67	.29	6.3	....	6.5	7.8
Year	28.428	29.260	27.710	34.0	....	45.6	52.3	29.2	40.8	97	−35	30	....	33	85	....	66	.212	.....	.239	19.14	2.00	5.3	....	4.9	5.6

EL PASO, TEX.

[ϕ=31° 47′ N.: λ=106° 30′ W.]

January	26.127	26.460	25.760	33.4	45.6	48.3	53.1	29.9	41.5	69	8	22	25	25	64	47	44	0.119	0.136	0.138	1.20	0.70	2.0	3.4	2.3	3.2
February	26.210	26.540	25.650	42.9	56.9	60.6	64.6	39.1	51.8	80	24	24	26	23	48	32	25	.133	.140	.128	.01	.01	2.3	1.2	2.9	2.6
March	26.217	26.580	25.890	46.5	63.1	65.5	68.8	43.7	56.2	80	29	28	30	27	51	30	24	.157	.172	.149	.08	.07	3.0	3.7	4.0	3.9
April	26.080	26.550	25.840	51.7	67.9	71.5	74.2	49.7	62.0	84	37	23	24	19	34	20	15	.125	.132	.106	.00	.00	1.9	2.0	1.6	2.3
May	26.106	26.350	25.881	58.0	77.0	80.3	82.9	56.8	69.8	94	44	30	27	22	37	18	14	.174	.146	.123	.05	.05	2.5	3.4	3.4	3.5
June	26.138	26.340	25.920	70.4	86.5	88.9	92.3	68.4	80.4	105	51	51	50	48	53	30	26	.391	.369	.340	.83	.47	2.2	1.5	3.3	2.9
July	26.190	26.330	26.024	71.3	87.1	88.5	92.7	69.4	81.0	100	64	56	52	50	60	32	29	.451	.401	.369	1.52	.40	3.5	2.4	4.6	4.1
August	26.194	26.340	26.065	67.9	83.0	83.8	88.4	66.5	77.4	95	62	57	54	53	70	40	38	.477	.434	.416	1.66	.40	3.6	2.7	3.8	3.8
September	26.218	26.470	25.930	63.3	80.1	81.8	85.6	61.5	73.6	98	48	47	48	45	58	34	30	.337	.341	.310	.01	.01	2.6	1.9	1.7	2.2
October	26.194	26.420	25.800	54.7	72.3	72.0	77.3	51.9	64.6	90	35	39	39	38	59	33	32	.250	.251	.244	1.03	.57	1.7	2.4	3.2	3.1
November	26.196	26.520	25.750	41.7	54.9	53.7	59.1	39.1	49.1	80	23	32	31	31	69	44	47	.181	.180	.178	1.04	.42	4.4	4.2	3.9	4.3
December	26.221	26.520	25.840	33.9	45.5	46.5	51.2	31.1	41.2	67	19	28	29	29	79	54	52	.155	.162	.161	.78	.36	3.2	4.7	3.5	4.5
Year	26.174	26.580	25.650	53.0	68.3	70.1	74.2	50.6	62.4	105	8	36	36	34	57	35	31	.246	.239	.222	8.21	.70	2.7	2.8	3.2	3.4

ERIE, PA.

[ϕ=42° 07′ N.: λ=80° 05′ W.]

January	29.100	29.610	28.000	13.0	16.5	15.9	21.7	8.3	15.0	37	− 8	9	10	11	82	73	81	0.064	0.068	0.073	1.75	0.46	8.0	7.4	7.0	7.4
February	29.225	29.980	28.100	23.2	27.2	28.2	36.0	16.2	26.1	58	−13	18	20	22	81	74	78	.114	.123	1.26	1.41	.27	6.5	6.7	5.4	6.7
March	29.249	29.770	28.560	34.3	39.8	39.2	47.0	29.8	38.4	71	9	25	25	28	70	58	65	.138	.139	.155	4.03	1.81	4.7	4.7	4.2	4.9
April	29.250	29.680	28.710	42.6	47.6	46.1	53.1	37.2	45.2	74	25	32	33	34	68	60	65	.186	.199	.206	2.81	1.07	6.9	6.3	6.3	6.4
May	29.261	29.660	28.580	59.6	64.8	63.9	72.5	52.7	62.6	87	35	50	50	52	73	62	67	.385	.389	.412	2.94	1.39	5.2	4.9	5.8	5.6
June	29.181	29.447	28.630	63.4	67.5	66.9	72.5	57.0	64.8	87	45	52	54	54	68	64	64	.399	.428	.421	4.45	1.23	5.3	5.1	5.0	5.6
July	29.254	29.510	29.020	67.9	72.2	71.2	77.2	62.0	69.6	90	52	58	59	59	71	66	66	.489	.520	.512	4.96	3.25	3.9	4.6	4.2	5.3
August	29.262	29.650	28.998	71.8	76.8	75.3	81.2	65.7	73.4	96	54	61	63	62	70	63	65	.559	.590	.577	1.68	.68	3.9	4.3	4.2	4.7
September	29.270	29.650	28.930	55.3	59.8	57.6	64.4	50.6	57.5	81	42	47	47	49	74	66	73	.331	.334	.354	5.49	.93	6.8	7.2	5.9	7.0
October	29.296	29.680	28.830	52.2	59.5	55.9	62.9	46.8	54.8	76	36	44	47	46	74	66	72	.297	.336	.325	3.85	.88	5.4	5.5	3.4	5.7
November	29.238	29.690	28.500	41.8	45.4	44.2	49.3	38.1	43.7	67	28	33	34	34	71	65	67	.190	.200	.199	2.33	.84	7.7	7.5	6.0	7.5
December	29.278	29.810	28.720	36.1	40.1	38.9	43.5	32.9	38.2	62	23	29	31	31	74	70	74	.166	.182	.182	2.41	.52	8.5	8.1	7.8	8.1
Year	29.238	29.980	28.000	46.7	51.4	50.3	56.8	41.4	49.1	96	−13	38	39	40	73	66	70	.276	.292	.296	38.11	3.25	6.1	6.0	5.5	6.3

Annual meteorological summary for the year ending December 31, 1918—Continued.

ELKINS, W. VA.

[H_b=1,947 ft.; h_t=59 ft.; h_r=52 ft.; h_a=67 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.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. 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	6.9	W.	38	SW.	0	11	6	0	5	4	11	18	6	1	2	3	26	25	18	22	18	0	0	15	0	30	0	0
February	8.0	W.	40	W.	1	3	3	0	10	8	7	16	8	1	5	8	15	14	12	10	6	0	4	6	0	21	3	0
March	6.3	NW.	54	SW.	1	15	2	0	7	6	5	9	16	2	12	7	12	12	11	3	2	1	4	0	0	19	3	1
April	6.3	NW.	30	E.	0	10	2	6	11	4	5	6	16	0	4	8	18	23	16	5	4	1	1	0	0	10	2	0
May	5.3	S.	32	NW.	0	6	0	0	15	9	11	10	11	0	2	18	11	13	11	1	0	0	2	0	0	1	16	0
June	4.6	NW.	27	W.	0	12	4	5	7	5	5	9	10	3	5	12	13	14	11	0	0	0	7	0	0	0	10	0
July	3.6	NW.	21	W.	0	7	3	2	10	12	6	8	11	3	5	14	12	14	10	0	0	0	16	0	0	0	8	0
August	3.7	W.	30	NW.	0	5	4	1	16	15	5	6	7	3	4	13	14	11	6	0	0	0	10	0	5	0	10	0
September	3.7	NW.	24	W.	0	8	5	4	10	8	7	6	10	2	5	13	12	12	9	0	0	0	15	0	0	2	4	0
October	4.9	NW.	33	NW.	0	10	1	5	10	9	7	5	8	7	6	8	17	9	7	0	0	0	5	0	0	4	0	0
November	5.7	W.	26	W.	0	8	2	1	2	3	8	18	15	3	6	9	15	7	5	4	1	0	5	1	0	19	0	0
December	6.2	W.	30	W.	0	5	1	2	10	9	5	18	8	4	4	6	21	17	13	8	6	0	2	4	0	18	0	0
Year	5.4	W.	54	SW.	2	100	33	26	113	92	82	129	126	29	60	119	186	171	129	53	37	2	71	26	5	124	56	1

ELLENDALE, N. DAK.

[H_b=1,457 ft.; h_t=10 ft.; h_r=3 ft.; h_a=56 ft.]

January	16.8	NW.	58	NW.	9	10	10	0	0	4	6	2	30	0	9	8	14	9	4	19	9	0	1	27	0	31	0	0
February	15.8	NW.	57	NE.	3	5	9	2	3	7	11	3	16	0	7	14	7	4	2	11	4	0	0	16	0	27	0	2
March	15.7	NW.	46	N.	3	3	13	3	6	8	11	5	13	0	10	12	9	4	3	4	4	0	1	4	0	27	0	0
April	19.1	S.	68	N.	11	7	9	1	4	21	2	2	14	0	10	12	8	7	6	5	3	2	1	0	0	18	0	1
May	16.7	NW.	61	SE.	7	8	13	5	7	9	5	2	12	1	7	10	14	12	10	0	0	1	1	0	0	4	6	0
June	12.8	NE.	40	NW.	1	7	14	3	10	4	7	4	10	1	10	13	7	11	5	0	0	2	2	0	1	0	7	1
July	11.4	NE.	53	N.	3	8	13	5	13	7	4	4	8	0	5	18	8	9	7	0	0	1	1	0	0	7	2	2
August	12.2	NW.	40	S.	1	3	14	3	10	7	4	7	14	0	13	10	8	12	9	0	0	0	0	0	2	0	9	2
September	12.8	NW.	44	E.	3	11	9	5	2	8	5	5	15	0	13	9	8	2	2	0	0	0	1	0	0	6	0	3
October	13.4	NW.	48	S.	2	11	5	6	3	8	6	6	17	0	11	11	9	4	3	2	0	0	1	1	0	10	0	1
November	13.9	NW.	58	NW.	5	9	4	2	4	5	14	3	19	0	10	5	15	5	5	7	3	0	7	9	0	27	0	1
December	13.8	NW.	50	NW.	5	11	13	4	0	5	9	3	17	0	3	7	21	7	4	11	6	0	1	20	0	31	0	2
Year	14.5	NW.	68	N.	53	93	126	39	62	93	84	46	185	2	108	129	128	86	60	59	29	6	17	77	9	181	29	15

EL PASO, TEX.

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

January	11.7	W.	56	W.	2	1	3	5	8	3	3	24	15	0	21	6	4	6	5	4	3	0	0	1	0	16	0	0
February	13.8	W.	66	SW.	4	0	5	9	4	1	1	18	18	0	19	7	2	1	0	3	1	0	0	0	0	4	0	0
March	12.9	W.	48	NE.	4	1	6	11	8	0	3	17	16	0	12	15	4	3	1	1	0	0	0	0	0	2	0	1
April	15.4	W.	41	E.	1	1	5	7	5	0	2	26	14	0	21	8	1	0	0	0	0	0	0	0	0	0	0	0
May	12.7	W.	48	SW.	4	1	9	10	2	1	4	24	11	0	16	10	5	1	1	0	0	0	0	0	0	6	0	0
June	11.6	SE.	54	NE.	4	1	7	17	20	1	0	5	9	0	18	12	0	7	5	0	0	0	0	0	21	0	8	0
July	10.0	SE.	50	NE.	2	2	9	22	16	1	0	2	10	0	13	16	2	13	10	0	0	0	0	0	24	0	10	0
August	8.4	SE.	45	S.	2	0	4	8	29	3	2	6	9	1	16	11	4	9	9	0	0	0	0	0	14	0	8	0
September	10.6	SE.	35	E.	0	0	4	14	23	1	1	8	9	0	23	5	2	1	0	0	0	0	0	0	9	0	1	0
October	8.9	SE.	49	W.	3	2	8	13	13	0	4	7	15	0	20	5	6	6	4	0	0	0	0	0	0	0	3	0
November	11.0	W.	48	NE.	1	0	8	11	11	1	2	13	14	0	14	7	9	9	5	5	3	0	1	0	0	7	1	0
December	10.7	NW.	36	W.	0	1	6	10	6	1	1	11	26	0	13	12	6	8	6	4	2	0	0	0	0	18	0	0
Year	11.5	W.	66	SW.	27	10	74	137	145	13	23	161	166	1	206	114	45	64	46	17	9	0	0	2	74	47	31	1

ERIE, PA.

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

January	16.9	SW.	65	SE.	5	5	7	2	9	9	20	10	0	0	1	13	17	15	11	25	14	0	0	26	0	31	0	0
February	17.7	S.	56	SW.	11	1	3	1	8	15	12	10	6	0	2	13	13	14	10	14	7	0	0	9	0	25	3	0
March	14.4	SW.	48	SW.	5	2	11	4	1	12	12	10	10	0	11	13	7	9	8	7	6	0	2	3	0	20	3	1
April	15.4	NE.	44	SE.	3	3	14	3	10	6	14	5	5	0	5	11	14	15	15	5	3	1	0	0	0	13	5	0
May	13.2	SW.	54	W.	2	1	8	3	3	14	20	6	7	0	6	16	9	15	9	0	0	0	2	0	0	0	12	0
June	13.6	S.	42	SW.	2	3	9	1	8	15	5	10	9	0	6	13	11	13	9	0	0	0	0	0	0	0	9	0
July	11.6	S.	42	W.	2	1	6	0	8	16	8	11	12	0	9	14	8	7	6	0	0	0	0	0	2	0	5	0
August	11.9	S.	41	S.	1	2	11	2	4	22	12	3	5	1	10	16	5	8	8	0	0	0	0	0	6	0	7	0
September	12.6	S.	40	SW.	1	3	8	2	5	17	12	1	12	0	3	11	16	19	16	0	0	2	0	0	0	0	4	0
October	14.3	S.	48	S.	4	1	6	3	14	18	12	1	7	0	9	10	12	12	8	0	0	0	1	0	0	0	4	0
November	16.5	SW.	60	W.	3	5	1	3	8	13	17	2	11	0	3	8	19	12	12	8	2	0	0	0	0	6	1	0
December	15.4	SW.	55	SE.	4	3	9	2	7	14	15	1	11	0	3	5	23	14	12	11	6	0	0	5	0	15	1	0
Year	14.4	S.	65	SE.	43	30	93	26	85	171	159	70	95	1	68	143	154	153	124	70	38	3	5	43	8	110	54	1

Annual meteorological summary for the year ending December 31, 1918—Continued.

ESCANABA, MICH.

[ϕ=45° 48′ N.: λ=87° 05′ W.]

Month.	Pressure.			Temperature.								Moisture.												Cloudiness.			
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.					
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	29.210	29.890	28.232	4.4	9.7	7.8	12.8	0.6	6.7	25	−19	3	5	6	92	80	90	0.048	0.052	0.054	1.12	0.23	7.1	6.1	5.3	5.9
February	29.300	30.070	28.420	8.3	15.7	14.5	21.4	3.0	12.2	49	−26	6	11	12	92	81	89	.066	.081	.083	1.78	1.10	6.4	5.5	6.4	5.4
March	29.361	29.910	28.580	23.4	33.7	31.8	39.1	19.8	29.4	64	− 1	20	24	25	84	67	76	.110	.133	.138	.66	.50	4.3	3.8	3.5	3.8
April	29.388	30.140	28.650	32.2	41.0	39.1	45.0	28.3	36.6	58	19	27	30	29	79	66	68	.148	.169	.165	1.61	.79	4.1	4.7	4.3	3.8
May	29.289	29.740	28.690	46.6	51.9	50.1	57.4	41.3	49.4	72	29	42	46	45	85	82	82	.281	.325	.305	3.77	1.84	6.9	5.5	6.1	5.1
June	29.279	29.640	28.750	55.3	62.1	61.1	67.5	49.6	58.6	89	34	48	49	47	76	66	63	.337	.361	.330	1.53	1.05	5.3	5.1	5.0	4.4
July	29.372	29.617	29.050	60.9	67.4	67.7	72.2	55.4	63.8	84	42	54	56	56	80	70	70	.438	.469	.479	1.68	.78	3.8	4.6	3.6	3.6
August	29.339	29.780	29.019	61.8	70.0	67.1	73.2	57.6	65.4	84	48	56	57	58	82	66	75	.465	.476	.493	2.78	1.11	4.0	4.4	5.4	4.4
September	29.379	29.940	28.960	46.1	56.0	52.5	59.7	41.4	50.6	72	29	43	44	46	88	66	80	.281	.295	.320	2.44	1.15	6.2	6.1	4.2	4.7
October	29.353	29.820	28.620	43.8	50.8	49.5	54.8	41.2	48.0	81	31	40	43	44	87	76	82	.254	.285	.295	3.20	1.46	5.2	6.2	5.8	5.7
November	29.282	29.790	28.384	35.6	40.5	38.7	43.5	32.6	38.0	58	12	31	32	33	84	73	80	.187	.193	.198	2.58	.91	6.6	6.7	6.2	6.7
December	29.365	29.900	28.890	27.2	31.3	30.6	34.0	23.8	28.9	45	11	24	26	28	88	80	90	.134	.144	.156	2.35	.88	7.5	8.5	7.3	7.9
Year	29.326	30.140	28.232	37.1	44.2	42.5	48.4	32.9	40.6	89	−26	33	35	36	85	73	79	.229	.249	.251	27.50	1.84	5.6	5.6	5.3	5.1

EUREKA, CALIF.

[ϕ=40° 48′ N.: λ=124° 11′ W.]

January	30.142	30.411	29.710	45.7	52.1	51.8	54.2	42.6	48.4	63	33	43	45	46	92	77	83	0.287	0.302	0.320	2.55	1.20	4.9	5.6	5.9	6.0
February	30.011	30.390	29.580	44.0	50.4	51.1	53.6	40.4	47.0	64	32	39	41	42	84	71	73	.243	.259	.275	6.29	1.01	5.2	6.3	6.2	6.2
March	29.993	30.380	29.450	44.9	51.7	51.9	54.9	42.1	48.5	65	32	41	43	44	86	72	74	.258	.277	.289	5.84	1.24	6.0	6.7	7.2	6.9
April	30.034	30.320	29.770	47.0	54.2	53.7	56.9	44.5	50.7	79	34	40	43	43	79	69	69	.253	.284	.279	1.07	.74	5.0	4.2	5.1	4.8
May	30.051	30.210	29.919	47.0	53.1	52.8	55.4	45.7	50.6	69	41	44	45	46	90	76	78	.290	.304	.310	.29	.13	6.8	3.6	4.0	5.0
June	29.934	30.110	29.754	50.2	56.4	57.0	59.7	48.9	54.3	70	43	49	52	52	94	86	83	.343	.396	.385	.02	.02	5.3	5.5	4.9	5.6
July	29.982	30.136	29.824	52.4	56.6	57.0	59.5	51.3	55.4	67	48	51	53	52	95	86	84	.370	.398	.388	.22	.14	5.4	7.4	6.7	7.6
August	29.967	30.143	29.770	52.7	60.3	59.2	61.9	51.4	56.6	69	48	51	54	53	94	80	80	.370	.420	.400	.21	.20	5.4	3.2	3.6	4.7
September	29.938	30.140	29.752	53.5	58.5	57.4	60.8	52.3	56.6	68	46	52	54	54	96	87	90	.392	.424	.422	1.42	.78	6.7	7.8	8.9	8.2
October	30.042	30.185	29.736	51.5	57.0	56.2	59.5	49.0	54.2	69	43	49	50	51	93	78	83	.354	.363	.376	1.00	.55	5.4	6.4	6.3	6.4
November	30.032	30.482	29.520	46.7	53.8	53.1	56.4	43.5	50.0	65	33	44	47	46	90	78	78	.288	.321	.313	4.74	1.83	5.1	5.5	5.8	5.9
December	30.081	30.380	29.539	43.0	51.0	50.0	53.7	38.9	46.3	63	28	38	44	44	86	77	80	.238	.288	.287	4.29	1.78	3.3	5.3	4.8	4.8
Year	30.017	30.482	29.450	48.2	54.6	54.3	57.2	45.9	51.6	79	28	45	48	48	90	78	80	.307	.336	.337	27.94	1.83	5.4	5.6	5.8	6.0

EVANSVILLE, IND.

[ϕ=37° 58′ N.: λ=87° 33′ W.]

January	29.494	29.960	28.790	15.2	22.7	21.5	27.5	11.4	19.4	49	−16	10	18	18	80	81	84	0.076	0.101	0.100	5.00	1.96	5.3	6.2	5.5	6.2
February	29.638	30.420	28.830	32.1	39.9	41.2	46.8	27.8	37.3	75	1	27	30	32	81	68	71	.168	.200	.196	.38	.12	6.0	6.4	3.6	5.9
March	29.590	30.120	29.070	44.8	57.6	56.3	63.1	41.2	52.2	78	24	36	39	38	71	53	53	.226	.256	.243	.95	.60	5.8	4.4	3.8	4.7
April	29.517	30.030	29.060	48.2	56.6	56.4	61.4	44.7	53.0	80	28	41	40	43	76	58	62	.269	.267	.288	5.26	1.75	6.9	6.9	6.0	6.7
May	29.596	30.020	29.110	67.0	78.2	74.5	81.8	62.0	71.9	93	38	57	57	59	72	50	60	.492	.483	.522	5.75	3.80	3.9	4.6	4.6	4.7
June	29.497	29.770	29.178	71.6	82.1	79.4	86.0	65.8	75.9	101	53	60	60	62	68	49	57	.540	.539	.570	2.05	.96	4.0	5.0	3.5	5.0
July	29.581	29.800	29.390	72.1	82.0	80.4	86.1	67.2	76.6	96	56	62	60	63	70	49	57	.559	.525	.584	1.45	.81	3.5	4.9	4.4	4.9
August	29.559	29.770	29.380	70.7	88.0	84.4	92.0	72.9	82.4	104	62	67	66	67	74	50	58	.674	.651	.667	3.03	1.70	4.1	4.3	5.1	4.7
September	29.618	29.980	29.340	58.1	70.3	66.0	72.8	54.2	63.5	83	42	51	50	52	78	51	61	.386	.374	.399	3.33	1.42	3.7	5.0	5.2	5.1
October	29.601	29.930	29.110	56.4	68.6	64.9	71.5	53.2	62.4	85	41	50	51	52	80	57	64	.373	.386	.394	2.49	.81	5.3	5.1	4.9	5.3
November	29.644	29.980	28.900	42.0	51.3	48.7	54.4	39.9	47.2	72	28	34	34	36	73	54	62	.205	.208	.219	.98	.50	4.3	4.6	5.0	4.6
December	29.606	30.000	29.090	41.1	47.5	46.2	51.6	37.8	44.7	70	22	36	37	39	82	69	76	.234	.243	.252	5.83	1.53	6.5	6.7	6.0	6.8
Year	29.578	30.420	28.790	52.1	62.1	60.0	66.2	48.2	57.2	104	−16	44	45	47	75	57	64	.350	.353	.370	36.50	3.80	4.9	5.3	4.8	5.4

FORT SMITH, ARK.

[ϕ=35° 22′ N.: λ=94° 24′ W.]

January	29.520	29.960	28.950	30.9	29.1	28.5	35.0	16.6	25.8	65	−11	15	19	19	76	66	67	0.093	0.116	0.108	2.86	0.75	5.9	6.3	5.9	5.8
February	29.600	30.250	29.050	38.8	49.0	49.8	57.4	33.0	45.2	84	13	31	33	32	72	52	52	.198	.210	.205	.95	.47	5.4	5.1	3.9	4.5
March	29.530	30.050	29.040	49.4	62.1	63.4	69.5	46.5	58.0	84	32	41	41	43	74	49	51	.272	.273	.297	1.69	.83	6.3	5.1	4.9	5.3
April	29.437	29.990	29.027	51.7	65.7	65.4	70.5	49.3	59.9	92	36	45	48	48	80	58	59	.320	.370	.372	4.12	1.42	4.2	5.2	5.2	4.6
May	29.495	29.930	28.980	67.1	79.0	78.7	83.0	63.3	73.2	95	42	60	61	63	80	56	60	.541	.549	.583	3.64	2.30	5.0	6.0	5.3	5.1
June	29.441	29.700	29.182	74.7	86.5	88.2	91.9	71.9	81.9	101	66	69	70	70	83	60	56	.716	.737	.732	5.87	2.33	5.0	4.6	4.4	4.5
July	29.512	29.710	29.302	72.9	88.1	89.6	93.8	70.5	82.2	104	62	63	63	62	72	45	41	.579	.579	.564	.50	.46	4.1	4.2	4.6	4.2
August	29.496	29.686	29.357	75.4	91.0	89.1	96.6	73.4	85.0	106	67	66	65	63	75	45	46	.652	.625	.584	.99	.52	4.4	4.3	4.5	4.0
September	29.566	29.960	29.230	59.7	74.6	73.1	79.5	57.6	68.6	95	45	54	56	56	84	56	56	.440	.468	.456	4.02	1.87	3.7	4.7	3.8	4.2
October	29.516	29.820	29.070	59.3	71.8	69.1	75.3	57.9	66.6	90	37	55	55	57	86	59	67	.451	.462	.453	2.94	1.34	5.4	5.8	4.3	5.6
November	29.597	29.960	29.042	44.0	54.7	54.4	58.8	42.6	50.7	76	29	38	39	40	91	58	60	.249	.259	.268	3.58	1.37	5.2	5.1	5.5	5.5
December	29.574	29.870	29.210	40.5	49.3	49.6	54.4	37.8	46.1	74	19	36	38	38	83	68	66	.223	.244	.241	4.40	2.12	4.5	4.8	4.7	4.9
Year	29.524	30.250	28.950	54.5	66.7	66.6	72.1	51.7	61.9	106	−11	48	49	49	79	56	57	.394	.408	.408	35.56	2.33	4.9	5.1	4.8	4.8

Annual meteorological summary for the year ending December 31, 1918—Continued.

ESCANABA, MICH.

[H_b=612 ft.; h_1=541 ft.; h_2=44 ft.; h_3=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.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. 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	9.7	NW.	36	N.	0	16	9	1	2	4	8	6	16	0	11	8	12	15	12	24	15	0	0	31	0	31	0	1
February	10.3	S.	46	N.	1	11	6	2	4	11	10	6	6	0	11	7	10	5	5	13	5	0	0	22	0	28	0	1
March	10.7	S.	43	NE.	1	18	7	0	2	16	10	1	7	1	15	11	5	4	3	4	3	0	3	6	0	27	0	1
April	9.5	N.	34	NE.	0	13	11	6	6	12	4	1	7	0	18	4	8	9	7	5	2	0	1	0	0	21	0	2
May	10.9	S.	44	N.	1	7	12	5	5	18	9	2	3	1	12	10	9	15	14	1	0	1	5	0	0	1	8	1
June	10.2	S.	36	NW.	0	14	9	2	2	15	5	6	7	0	10	14	6	8	6	0	0	0	1	0	0	0	3	1
July	8.6	S.	30	NW.	0	22	3	0	5	15	8	3	6	0	18	8	5	10	6	0	0	0	1	0	0	0	4	3
August	8.4	S.	34	S.	0	6	14	6	6	13	7	2	8	0	13	9	9	11	9	0	0	0	2	0	0	0	10	2
September	9.1	N.	32	N.	0	16	5	4	1	5	6	4	19	0	9	14	7	10	6	1	0	0	1	0	0	1	3	3
October	10.5	S.	37	NE.	0	8	8	6	2	10	10	6	12	0	12	4	15	11	6	2	0	0	1	0	0	2	2	2
November	10.8	NW.	32	NE.	0	9	1	2	2	10	12	10	14	0	8	6	16	11	8	11	3	0	2	2	0	16	2	1
December	10.2	NW.	44	NE.	1	11	9	5	3	9	6	8	11	0	2	9	20	13	7	18	9	0	3	11	0	25	0	2
Year	9.9	N.	46	N.	4	151	94	39	40	138	95	55	116	2	139	104	122	122	89	79	37	1	20	72	0	152	32	20

EUREKA, CALIF.

[H_b=62 ft.; h_1=73 ft.; h_2=65 ft.; h_3=89 ft.]

January	6.8	SE.	44	N.	2	16	7	7	10	4	10	1	5	2	8	8	15	17	10	0	0	0	5	0	0	0	0	0
February	8.7	SE.	50	S V.	1	12	5	1	17	7	10	2	1	1	6	9	13	16	13	0	0	1	0	0	0	1	3	0
March	7.3	SE.	48	SE.	2	5	2	2	21	10	12	2	6	2	7	6	18	18	11	2	2	3	0	0	0	1	0	0
April	8.9	N.	37	S.	0	22	4	3	12	4	3	1	9	2	13	9	8	5	3	0	0	0	0	0	0	0	0	0
May	8.9	N.	33	N.	0	27	3	1	7	2	4	2	12	4	9	15	7	4	3	0	0	0	3	0	0	0	1	0
June	6.6	N.	27	N.	0	18	2	1	6	6	9	3	11	4	10	6	14	2	0	0	0	0	4	0	0	0	0	0
July	5.9	N.	26	N.	0	18	4	2	5	3	7	6	14	3	2	10	19	3	2	0	0	0	2	0	0	0	0	0
August	6.4	S V.	36	N.	0	8	1	1	8	5	13	5	16	5	12	13	6	2	1	0	0	0	5	0	0	0	0	0
September	4.2	N.	21	N.	0	11	3	2	5	4	4	11	11	9	2	5	23	6	4	0	0	0	7	0	0	0	0	0
October	5.0	N.	29	N.	0	17	5	3	6	6	4	5	9	7	6	11	14	9	6	0	0	0	8	0	0	0	0	0
November	6.0	SE.	41	N.	1	11	8	5	13	4	8	3	2	6	10	6	14	10	10	0	0	1	4	0	0	0	1	0
December	6.0	SE.	33	SE.	0	11	4	9	21	1	8	2	2	4	13	7	11	14	12	0	0	0	0	0	0	2	1	0
Year	6.7	N.	50	SW.	6	176	48	37	131	56	92	43	98	49	98	105	162	106	75	2	2	5	38	0	0	4	6	0

EVANSVILLE, IND.

[H_b=431 ft.; h_1=139 ft.; h_2=135 ft.; h_3=175 ft.]

January	12.2	S V.	43	SW.	1	6	8	2	9	5	17	3	12	0	4	16	11	16	14	17	12	0	4	23	0	30	1	0
February	14.3	S.	55	W.	4	4	9	1	9	11	8	8	6	0	5	14	9	5	4	2	0	0	5	6	0	18	2	0
March	12.8	S.	58	SW.	3	5	13	4	7	13	5	2	13	0	10	12	9	5	3	0	0	0	1	0	0	5	3	1
April	13.9	NE.	51	SW.	3	11	10	3	5	8	11	2	10	0	4	14	12	16	15	1	1	1	0	0	0	2	10	0
May	11.5	S.	49	S.	4	3	5	4	11	26	7	2	4	0	10	15	6	7	5	0	0	0	0	5	0	7	0	0
June	9.8	SW.	38	SE.	0	6	20	3	4	7	13	3	4	0	7	19	4	9	7	0	0	1	0	0	7	0	8	0
July	8.3	NE.	33	N V.	0	7	15	6	10	9	10	1	4	0	8	20	3	8	6	0	0	0	0	0	12	0	5	0
August	8.5	SW.	37	N.	0	2	7	6	6	7	30	3	1	0	8	19	4	9	7	0	0	1	0	0	21	0	9	0
September	8.8	NE.	29	W.	0	14	14	6	4	7	9	1	5	0	10	11	9	11	7	0	0	1	1	0	0	0	6	0
October	10.1	SW.	44	S.	1	5	8	11	8	8	14	4	4	0	9	13	9	9	8	0	0	0	1	0	0	0	1	0
November	11.4	NW.	49	S V.	3	8	9	4	4	10	9	4	12	0	14	4	12	7	6	0	0	0	1	0	0	0	2	0
December	12.5	SW.	43	S V.	1	6	6	6	6	2	23	7	6	0	6	9	16	14	10	3	2	0	0	3	0	9	0	0
Year	11.2	SW.	58	SW.	20	77	124	56	83	113	156	40	81	0	95	166	104	116	92	23	15	4	13	32	45	69	54	1

FORT SMITH, ARK.

[H_b=457 ft.; h_1=79 ft.; h_2=72 ft.; h_3=94 ft.]

January	9.2	E.	32	NW.	0	3	2	21	1	0	11	7	17	0	10	6	15	8	7	9	5	0	0	14	0	29	0	0
February	10.1	E.	39	W.	0	5	2	18	3	6	10	4	7	1	11	9	8	3	3	1	1	0	0	2	0	13	0	0
March	9.1	E.	42	W.	1	5	6	25	3	8	4	2	8	1	11	10	10	4	4	0	0	0	1	0	0	1	2	0
April	9.8	E.	58	W.	1	10	5	17	3	10	4	7	4	0	12	8	10	9	7	0	0	0	0	0	0	1	8	0
May	8.5	E.	39	S.	0	1	2	19	13	20	4	1	2	0	11	14	6	8	7	0	0	0	0	0	0	4	5	0
June	6.0	E.	31	NW.	0	6	7	27	6	1	9	3	1	0	13	10	7	7	6	0	0	0	0	0	20	0	7	0
July	6.2	E.	30	N.	0	6	10	29	4	8	2	1	2	0	16	9	6	3	1	0	0	0	0	0	25	0	2	0
August	7.1	E.	34	N.	0	4	4	32	9	8	5	0	0	0	14	12	5	6	4	0	0	0	0	0	27	0	6	0
September	6.6	E.	43	SW.	1	8	12	22	3	5	2	1	7	0	17	2	11	7	6	0	0	0	0	0	3	0	5	0
October	7.1	E.	30	SW.	0	4	5	35	3	3	4	5	3	0	11	6	14	7	6	0	0	0	1	0	1	0	2	0
November	8.1	E.	37	W.	0	5	5	23	5	2	6	9	5	0	13	2	15	9	7	1	0	0	0	0	0	4	1	0
December	8.8	E.	43	SW.	1	0	4	27	3	3	11	8	5	1	15	6	10	8	8	1	0	0	2	2	0	9	1	0
Year	8.0	E.	58	W.	4	57	64	295	56	74	72	48	61	3	154	94	117	79	66	12	6	0	4	18	81	56	39	0

Annual meteorological summary for the year ending December 31, 1918—Continued.

FORT WAYNE, IND.

[ϕ=41° 05′ N.: λ=85° 10′ W.]

Month.	Pressure.			Temperature.								Moisture.												Cloudiness.			
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.					
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	28.972	29.540	28.060	8.4	14.8	13.5	18.9	3.9	11.4	37	−24	6	9	10	88	76	83	0.059	0.066	0.067	2.19	0.68	7.4	5.6	6.0	5.9
February	29.111	29.940	28.150	23.2	30.9	30.3	38.1	18.9	26.5	63	−10	18	23	23	80	73	73	.118	.145	.139	2.27	.81	4.8	5.1	3.6	5.2
March	29.125	29.641	28.300	35.1	47.8	47.1	54.6	32.1	43.4	77	18	28	28	31	76	51	56	.157	.162	.182	1.62	.97	3.8	3.8	3.7	3.9
April	29.089	29.600	28.450	41.3	51.7	48.4	55.6	36.6	46.1	75	24	34	34	36	74	56	65	.205	.218	.224	2.00	.57	6.1	6.6	6.4	6.5
May	29.115	29.460	28.400	61.6	72.1	68.7	76.5	55.6	66.0	89	35	53	54	54	74	54	62	.426	.434	.448	2.74	.70	5.5	5.6	5.8	5.3
June	29.054	29.313	28.680	63.9	75.4	72.0	79.6	57.0	68.3	94	41	54	54	55	71	50	58	.435	.448	.460	3.06	2.04	5.2	5.2	4.6	5.3
July	29.141	29.340	28.946	65.9	78.1	74.8	82.0	60.5	71.2	93	50	58	56	58	75	48	55	.491	.462	.473	1.37	.46	4.1	5.1	4.4	4.5
August	29.118	29.400	28.810	69.0	82.9	79.2	86.8	65.8	76.3	102	52	62	60	62	78	48	57	.556	.525	.566	1.06	.67	5.6	5.4	5.1	5.2
September	29.161	29.550	28.810	51.5	63.3	59.6	66.5	47.7	57.1	80	36	46	47	49	82	57	69	.322	.334	.357	6.19	4.17	5.1	5.8	4.9	5.4
October	29.151	29.500	28.670	49.2	60.6	57.6	64.2	46.6	55.4	76	35	44	45	47	82	60	69	.295	.317	.331	2.60	.92	6.1	6.9	5.0	6.0
November	29.125	29.540	28.330	37.6	46.3	43.2	48.8	35.2	42.0	65	21	33	34	34	83	64	71	.193	.209	.209	2.28	.90	6.4	5.8	4.9	5.7
December	29.120	29.600	28.560	33.7	39.1	38.6	42.5	31.2	36.8	56	16	30	32	33	87	76	80	.175	.187	.192	5.30	1.71	7.7	7.0	7.9	7.5
Year	29.107	29.940	28.060	45.0	55.2	52.8	59.5	40.9	50.2	102	−24	39	40	41	79	59	66	.286	.292	.304	32.68	4.17	5.6	5.6	5.2	5.5

FORT WORTH, TEX.

[ϕ=32° 43′ N.: λ=97° 15′ W.]

January	29.272	29.700	28.730	30.5	38.3	40.5	48.5	25.0	36.8	77	4	26	27	28	82	66	62	0.144	0.157	0.162	1.36	0.71	3.6	3.5	2.7	3.4
February	29.357	29.930	28.740	43.4	54.1	57.9	66.0	39.1	52.0	93	12	36	36	36	78	54	46	.241	.232	.229	.01	.01	5.4	4.5	4.4	5.1
March	29.282	29.810	28.900	52.2	64.5	68.9	74.5	49.9	62.2	91	35	44	46	46	74	53	47	.307	.332	.338	.93	.47	5.1	4.6	4.8	4.9
April	29.183	29.700	28.806	54.9	66.8	69.3	74.6	52.3	63.4	94	39	49	51	50	81	60	55	.367	.398	.385	6.21	2.18	4.6	4.8	5.4	5.0
May	29.233	29.650	28.730	66.7	77.8	81.4	85.1	65.3	75.2	96	49	61	63	64	83	62	58	.563	.587	.618	1.99	1.89	6.9	6.5	5.8	6.0
June	29.191	29.470	28.930	76.3	89.0	88.8	95.1	73.8	84.4	107	66	69	69	69	80	54	56	.721	.719	.722	5.16	3.11	4.6	3.6	5.7	4.5
July	29.258	29.450	29.090	76.0	89.1	92.4	95.7	74.5	85.1	101	67	66	66	65	71	49	43	.631	.647	.631	1.10	.63	4.0	4.5	3.9	4.1
August	29.231	29.440	29.070	77.1	91.3	93.4	97.7	76.2	87.0	103	71	67	64	61	72	42	37	.668	.593	.552	.29	.26	2.7	3.1	3.5	3.4
September	29.301	29.620	28.990	63.8	77.8	78.7	84.2	61.7	73.0	101	48	56	53	53	76	46	45	.464	.419	.424	2.09	1.57	3.7	3.7	3.8	3.6
October	29.271	29.620	28.827	61.5	72.5	72.6	78.3	59.6	69.0	91	40	55	56	55	80	60	58	.449	.469	.459	3.31	1.97	5.3	5.6	5.1	5.3
November	29.361	29.710	28.840	48.4	55.9	56.2	61.1	46.1	53.6	78	31	43	44	44	81	67	68	.299	.319	.321	7.94	4.72	5.9	5.3	4.9	5.4
December	29.365	29.680	29.030	44.1	52.1	52.8	59.2	40.3	49.8	76	18	40	41	42	84	68	70	.253	.269	.285	4.08	1.19	4.9	4.4	4.0	4.2
Year	29.275	29.930	28.730	57.9	69.1	71.1	76.6	55.3	66.0	107	4	51	51	51	78	57	54	.426	.428	.427	34.47	4.72	4.7	4.5	4.5	4.6

FRESNO, CALIF.

[ϕ=36° 45′ N.: λ=119° 49′ W.]

January	29.771	30.000	29.320	40.2	50.7	53.3	55.5	37.3	46.4	68	30	34	36	36	79	60	55	0.199	0.212	0.214	0.47	0.43	4.0	5.4	4.6	5.0
February	29.724	30.090	29.323	44.9	55.7	58.8	61.2	41.5	51.4	71	33	38	38	38	78	55	49	.234	.237	.230	4.59	2.26	6.0	5.5	5.2	5.4
March	29.693	30.040	29.330	49.0	61.1	63.8	66.0	46.9	56.4	80	38	44	45	44	84	57	53	.294	.300	.298	4.19	1.39	4.5	4.9	4.5	4.6
April	29.611	29.820	29.351	51.0	68.9	73.0	74.7	48.8	61.8	89	37	41	38	37	72	34	29	.264	.240	.227	T.	T.	2.1	2.2	2.0	2.0
May	29.588	29.810	29.417	50.9	71.2	76.4	77.9	49.7	63.8	92	44	42	41	37	71	35	26	.265	.263	.226	.51	.44	1.1	1.7	1.7	1.5
June	29.455	29.640	29.231	67.7	90.2	97.1	98.7	66.3	82.5	106	56	45	48	45	45	24	17	.301	.295	.304	.01	.01	1.8	1.6	1.2	1.7
July	29.514	29.710	29.370	64.8	88.1	94.7	96.2	63.6	79.9	104	56	46	46	42	51	24	17	.307	.315	.276	T.	T.	1.3	0.6	1.5	1.0
August	29.525	29.720	29.370	65.0	87.3	93.5	95.1	63.4	79.2	107	53	45	47	41	50	26	18	.299	.324	.261	.09	.00	0.9	0.5	0.9	0.8
September	29.550	29.760	29.325	61.5	79.4	82.6	85.5	59.5	72.5	98	51	53	54	52	76	43	39	.415	.424	.408	.53	.28	3.5	2.0	2.6	2.9
October	29.633	29.810	29.461	56.5	74.0	76.3	79.2	54.2	66.7	94	45	48	48	48	74	42	38	.347	.351	.349	.11	.11	1.5	1.7	2.3	2.1
November	29.709	30.130	29.438	45.8	58.5	59.3	62.5	43.1	52.8	81	31	42	43	43	86	59	57	.269	.285	.282	1.81	.62	3.0	3.9	3.6	4.1
December	29.764	30.070	29.370	39.4	49.3	50.5	53.5	36.5	45.0	72	25	36	38	39	89	69	66	.216	.235	.242	1.46	.91	3.3	4.5	3.9	4.5
Year	29.628	30.130	29.231	53.1	69.5	73.3	75.5	50.9	63.2	107	25	43	44	42	71	44	39	.284	.290	.276	13.68	2.26	2.8	2.9	2.8	3.0

GALVESTON, TEX.

[ϕ=29° 18′ N.: λ=94° 50′ W.]

January	29.959	30.370	29.430	44.1	48.9	49.3	55.7	39.9	47.8	70	16	38	39	39	80	70	71	0.253	0.264	0.267	0.54	0.23	3.6	4.3	3.3	4.7
February	30.065	30.510	29.687	54.4	58.6	56.8	62.5	51.6	57.0	74	31	52	53	54	91	88	91	.408	.428	.435	1.11	.58	6.5	7.3	6.3	7.0
March	29.991	30.370	29.690	63.6	69.2	66.8	71.7	61.6	66.6	78	48	57	56	58	82	66	77	.496	.485	.515	1.65	1.08	6.3	6.1	5.4	6.4
April	29.866	30.250	29.600	66.1	70.2	69.0	73.0	63.6	68.3	83	47	58	56	59	78	66	72	.527	.509	.528	6.63	2.53	6.4	5.2	6.6	5.8
May	29.974	30.290	29.640	73.2	77.0	75.0	78.5	71.9	75.2	83	61	68	66	68	84	74	80	.692	.698	.698	.22	.15	5.9	7.0	6.2	6.6
June	29.894	30.080	29.710	80.6	84.9	82.9	87.2	78.4	82.8	99	67	73	72	73	78	67	72	.817	.792	.795	2.79	1.84	4.6	5.3	5.2	5.0
July	29.952	30.110	29.760	80.7	86.1	83.3	88.1	79.0	83.6	92	70	74	72	73	80	68	71	.844	.780	.802	2.24	1.93	5.0	4.1	4.2	4.7
August	29.904	30.120	29.780	80.9	84.8	82.9	86.6	78.8	82.7	90	71	74	72	73	79	66	71	.835	.788	.803	3.04	1.86	5.8	5.8	5.3	5.5
September	29.900	30.280	29.750	73.8	79.4	77.9	82.0	71.9	77.0	90	58	66	63	64	77	59	64	.665	.598	.618	2.03	1.21	4.7	3.8	4.0	4.0
October	29.921	30.260	29.560	69.9	75.6	72.9	78.2	67.2	72.7	84	47	65	64	65	86	70	77	.645	.626	.627	2.78	.65	5.8	6.5	6.1	6.3
November	30.034	30.300	29.630	58.3	62.3	61.3	65.2	56.6	60.9	78	39	52	51	52	81	70	75	.423	.414	.428	3.15	2.65	6.7	6.2	6.3	6.4
December	30.063	30.390	29.690	54.2	58.8	57.8	61.9	51.8	56.8	80	34	49	49	51	88	72	79	.379	.387	.402	3.46	1.63	6.0	6.1	5.8	6.4
Year	29.970	30.510	29.430	66.6	71.3	69.7	74.2	64.4	69.3	99	16	60	60	61	82	69	75	.582	.564	.576	34.64	3.65	5.7	5.6	5.4	5.7

Annual meteorological summary for the year ending December 31, 1918—Continued.

FORT WAYNE, IND.

[H_b=856 ft.; h_t=113 ft.; h_r=107 ft.; h_a=124 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	12.1	SW.	44	S.	1	3	12	3	5	3	28	6	2	0	6	13	12	17	12	19	16	0	1	29	0	31	0	0
February	12.3	SW.	44	NW.	3	1	4	3	6	7	20	7	8	0	10	8	10	10	8	5	3	1	6	10	0	24	3	0
March	10.6	SW.	55	W.	1	4	13	9	0	4	18	5	9	0	17	6	8	8	7	5	1	0	2	1	0	20	3	1
April	12.2	NE.	49	SW.	1	6	15	11	5	6	8	7	2	0	6	9	15	15	10	1	0	0	1	0	0	9	4	0
May	10.5	SW.	41	W.	1	5	2	8	3	13	21	6	4	0	11	11	9	10	7	0	0	0	1	0	0	0	7	0
June	8.3	SW.	38	NW.	0	3	13	5	6	8	15	0	9	1	7	16	7	5	5	0	0	0	0	0	1	0	5	0
July	8.4	S.	36	S.	0	4	8	5	5	14	8	5	12	1	10	17	4	10	8	0	0	0	0	0	7	0	6	0
August	8.2	SW.	25	SW.	0	5	11	6	3	7	20	1	9	0	7	17	7	7	4	0	0	0	0	0	9	0	3	0
September	7.5	SW.	33	SW.	0	6	9	1	3	6	19	8	6	2	9	11	10	8	5	0	0	0	1	0	0	0	1	0
October	8.8	SW.	31	NE.	0	1	10	9	4	12	9	9	6	2	6	12	13	8	7	0	0	0	2	0	0	0	1	0
November	9.8	SW.	48	SW.	1	0	2	1	4	13	18	15	7	0	9	8	13	11	7	1	0	0	0	1	0	10	1	0
December	9.5	SW.	37	W.	0	2	6	8	5	4	20	10	7	0	5	7	19	14	13	8	3	0	3	6	0	17	0	0
Year	9.7	SW.	55	W.	8	40	105	69	49	97	204	79	81	6	103	135	127	123	93	39	23	1	17	47	17	111	34	1

FORT WORTH, TEX.

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

January	12.4	NW.	38	NW.	0	8	1	5	8	5	9	5	21	0	20	5	6	6	4	6	3	0	0	4	0	23	1	0
February	12.9	S.	40	S.	1	15	2	2	6	14	11	0	6	0	11	6	11	1	0	1	0	0	0	1	2	7	1	0
March	11.8	S.	36	NW.	0	14	5	2	11	13	9	2	6	0	10	13	8	5	4	0	0	0	1	0	3	0	3	1
April	12.8	NW.	37	SE.	0	9	8	7	5	14	4	2	11	0	11	12	7	6	6	0	0	0	3	0	3	0	2	0
May	13.8	S.	48	S.	1	4	3	1	20	28	3	2	1	0	3	17	11	4	2	0	0	0	0	0	8	0	2	0
June	8.9	SE.	48	SE.	1	2	2	9	11	18	12	2	4	0	13	10	7	7	7	0	0	0	1	0	0	24	0	0
July	9.8	SE.	30	SE.	0	6	4	10	24	10	6	1	1	0	16	12	3	4	3	0	0	0	0	0	0	28	0	0
August	10.6	SE.	36	SE.	0	0	2	6	25	19	7	1	2	0	19	8	4	2	2	0	0	0	0	0	0	31	0	0
September	9.4	SE.	34	S.	0	11	4	8	13	9	5	1	7	2	16	8	6	5	4	0	0	0	0	0	0	9	0	0
October	8.2	SE.	39	SW.	0	8	9	7	10	4	9	2	13	0	11	8	12	7	5	0	0	0	2	0	0	3	0	0
November	10.3	SE.	32	S.	0	10	3	2	13	9	6	5	11	1	11	7	12	8	7	3	2	0	0	0	0	2	3	0
December	10.3	SW.	33	SW.	0	3	4	4	7	5	18	6	15	0	16	4	11	8	7	0	0	0	1	0	0	8	2	0
Year	10.9	S.	48	S.	3	90	47	63	153	148	99	29	98	3	157	110	98	63	51	10	5	4	4	5	111	40	45	1

FRESNO, CALIF.

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

January	4.6	(*) NW.	18	NW.	0	7	1	13	6	2	3	5	24	1	15	5	11	2	2	0	0	0	5	0	0	5	0	0
February	6.3	NW.	28	NW.	0	3	3	6	11	5	1	5	22	0	8	11	9	9	8	0	0	0	1	0	0	0	0	0
March	6.2	NW.	29	SE.	0	3	5	9	9	1	5	1	29	0	16	3	12	10	9	0	0	0	1	0	0	0	0	0
April	8.7	NW.	38	NW.	0	2	3	5	3	1	1	4	41	0	23	5	2	0	0	0	0	0	0	0	0	0	0	0
May	8.9	NW.	27	NW.	0	3	1	6	0	1	2	5	43	1	25	5	1	2	2	0	0	0	0	0	0	2	0	0
June	8.6	NW.	30	NW.	0	1	3	2	3	1	0	2	48	0	24	6	0	1	0	0	0	0	0	0	0	23	0	0
July	9.3	NW.	24	NW.	0	0	0	2	0	0	2	5	52	1	27	4	0	0	0	0	0	0	0	0	0	28	0	0
August	8.1	NW.	26	NW.	0	4	0	0	0	1	6	6	50	1	29	1	1	0	0	0	0	0	0	0	0	26	0	0
September	7.2	NW.	35	NW.	0	1	0	1	3	1	6	9	37	2	19	6	5	6	5	0	0	0	0	0	0	7	0	0
October	5.9	NW.	28	SW.	0	2	3	6	4	2	2	4	38	1	24	4	3	2	1	0	0	0	0	0	0	2	0	0
November	5.0	NW.	24	NW.	0	7	7	11	5	2	2	4	20	2	15	8	7	6	5	0	0	0	3	0	0	1	0	0
December	4.2	E.	28	NW.	0	3	2	18	7	2	5	4	17	4	14	6	11	4	4	0	0	0	11	0	0	7	0	0
Year	6.9	NW.	38	NW.	0	36	28	79	51	18	30	54	421	13	239	64	62	42	36	0	0	0	21	0	94	13	6	0

GALVESTON, TEX.

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

January	13.4	N.	56	NW.	2	11	7	3	8	11	6	3	13	0	13	8	10	7	3	1	1	0	2	0	0	5	0	0
February	12.6	SE.	32	NE.	0	8	10	5	13	12	6	1	1	0	7	3	18	6	4	0	0	0	4	0	0	1	3	0
March	10.5	S.	35	N.	0	8	5	3	15	19	5	4	2	1	7	10	14	5	2	0	0	0	3	0	0	0	2	0
April	13.2	SE.	39	SE.	0	7	4	3	23	11	1	2	4	0	10	8	12	10	8	0	0	0	3	0	0	0	7	0
May	14.3	SE.	39	SE.	0	1	7	5	39	10	6	0	0	0	3	19	9	2	2	0	0	0	0	0	0	0	1	0
June	10.8	S.	40	NE.	1	0	2	1	15	24	9	4	3	2	9	18	3	5	3	0	0	0	0	0	0	4	0	0
July	9.8	S.	36	S.	0	3	2	0	13	23	10	7	4	0	8	20	3	5	3	0	0	0	0	0	0	4	0	0
August	9.6	S.	32	N.	0	1	1	0	14	33	4	8	0	1	8	16	7	3	2	0	0	0	0	0	0	1	12	0
September	10.8	S.	28	N.	0	14	8	4	10	18	1	2	2	1	16	7	7	4	4	0	0	0	0	0	0	0	3	0
October	8.7	N.	34	NW.	0	19	9	2	12	3	3	4	9	1	7	6	18	9	8	0	0	0	0	0	0	0	2	0
November	11.9	N.	34	NE.	0	13	11	8	12	7	1	3	4	1	9	4	17	8	6	0	0	0	0	0	0	0	3	0
December	11.4	SE.	38	NW.	0	4	8	8	14	7	6	6	9	0	8	7	16	6	4	0	0	0	2	0	0	0	2	0
Year	11.2	SE.	56	NW.	3	89	74	42	193	178	52	44	51	7	105	126	134	75	53	1	1	3	11	0	9	6	54	0

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1918—Continued.

GRAND HAVEN, MICH.

[ϕ=43° 05′ N.; λ=86° 13′ W.]

Month.	Pressure.			Temperature.								Moisture.														
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	29.180	29.840	28.141	11.7	15.5	14.5	18.9	7.4	13.2	32	−11	8	9	8	82	74	72	0.062	0.074	0.059	2.99	0.81	7.8	7.6	8.2	7.6
February	29.303	30.130	28.362	19.8	23.9	23.1	29.7	13.5	21.6	54	−14	16	17	17	84	74	76	.103	.108	.105	2.75	.83	7.3	5.8	6.4	5.8
March	29.350	29.870	28.680	31.0	38.5	37.4	42.8	27.7	35.2	64	14	24	26	27	76	60	67	.133	.140	.150	1.77	.83	4.0	4.0	3.9	3.6
April	29.335	29.984	28.740	38.1	45.8	42.2	49.7	33.0	41.4	70	21	30	30	31	74	58	66	.178	.181	.180	2.54	.86	5.2	5.2	5.7	5.4
May	29.292	29.710	28.550	54.2	59.9	59.6	65.4	48.7	57.0	80	34	47	48	47	77	66	66	.337	.351	.349	2.26	.66	4.9	4.1	4.7	4.5
June	29.268	29.540	28.350	59.9	64.8	65.0	70.4	54.0	62.2	90	43	49	50	50	70	61	60	.360	.373	.368	1.54	1.51	3.9	3.4	4.3	4.0
July	29.357	29.545	29.160	65.2	69.1	69.8	74.6	59.5	67.0	88	49	58	58	57	77	68	65	.492	.491	.475	1.72	1.34	4.1	3.4	3.7	3.7
August	29.325	29.670	29.021	66.1	74.6	72.9	79.5	60.9	70.2	95	51	59	60	59	78	62	63	.513	.531	.507	.83	.32	5.5	4.8	4.4	4.7
September	29.374	29.830	28.990	53.6	60.0	56.8	62.4	47.9	55.2	75	36	47	49	48	79	68	72	.336	.358	.344	2.61	.97	5.8	5.7	4.9	5.4
October	29.352	29.700	28.770	48.6	56.5	53.7	59.6	44.5	52.0	70	33	44	44	45	85	66	75	.299	.303	.311	4.42	2.24	6.7	5.6	5.5	5.9
November	29.304	29.750	28.340	39.6	44.4	42.8	47.2	36.0	41.6	64	24	34	35	35	79	71	74	.201	.215	.209	3.68	.85	7.3	7.4	6.3	7.1
December	29.337	29.880	28.810	32.6	35.6	34.2	38.9	29.0	34.0	51	6	28	29	30	83	77	83	.159	.165	.169	3.67	.91	8.6	8.2	8.3	8.0
Year	29.315	30.130	28.141	43.4	49.0	47.7	53.3	38.5	45.9	95	−14	37	38	38	79	67	70	.264	.273	.269	30.78	2.24	5.9	5.4	5.5	5.5

GRAND JUNCTION, COLO.

[ϕ=39° 04′ N.; λ=108° 34′ W.]

January	25.351	25.780	24.940	18.4	28.7	28.1	32.9	13.5	23.2	58	1	15	19	20	87	66	70	0.088	0.103	0.106	1.18	0.26	5.7	5.5	5.3	5.5
February	25.401	25.950	24.760	24.2	36.8	37.2	42.5	20.7	31.6	58	−1	18	19	21	78	48	51	.101	.103	.113	.33	.24	4.2	4.4	4.8	4.9
March	25.385	25.860	24.900	39.1	54.7	55.0	59.7	35.7	47.7	70	25	28	25	26	64	33	36	.155	.140	.146	1.18	1.02	3.9	4.4	5.1	4.7
April	25.281	25.700	24.811	39.6	54.6	56.3	60.5	37.1	48.8	74	27	26	23	22	58	33	31	.142	.128	.127	.43	.13	4.5	5.3	5.7	5.1
May	25.246	25.569	24.930	51.5	70.1	71.4	74.6	47.6	61.1	84	32	24	21	19	37	17	15	.129	.117	.103	.05	.05	2.8	5.6	6.3	4.8
June	25.383	25.570	25.153	64.8	85.8	87.3	91.6	62.4	77.0	101	43	42	40	36	46	22	19	.287	.260	.235	.33	.25	3.5	3.2	4.9	4.0
July	25.430	25.622	25.243	64.9	83.6	83.9	88.9	62.2	75.6	98	53	46	45	44	54	29	29	.324	.311	.302	.78	.32	3.9	4.7	5.0	4.6
August	25.405	25.580	25.185	63.7	82.8	84.1	88.4	61.5	75.0	99	54	44	43	42	50	26	26	.292	.286	.279	1.28	.78	3.1	3.7	4.9	4.0
September	25.437	25.650	25.160	55.3	73.6	74.3	79.8	53.5	66.6	91	45	40	40	40	59	32	33	.258	.252	.254	.97	.62	4.0	3.4	4.2	3.6
October	25.438	25.680	25.040	47.6	63.4	61.9	67.5	45.6	56.6	80	28	38	36	38	72	38	44	.234	.220	.241	.87	.45	4.6	5.4	4.9	5.2
November	25.410	25.830	24.920	29.2	43.4	40.2	47.1	25.5	36.3	74	4	23	23	24	78	47	55	.124	.124	.125	.75	.25	4.5	4.2	3.8	4.2
December	25.453	25.830	24.870	20.4	31.7	30.1	35.5	18.0	26.8	43	2	17	21	22	87	62	68	.097	.112	.116	.85	.41	4.2	5.3	4.1	4.8
Year	25.385	25.950	24.760	43.2	59.1	59.2	64.1	40.3	52.2	101	−1	30	30	30	64	38	40	.186	.180	.179	9.00	1.02	4.1	4.6	4.9	4.6

GRAND RAPIDS, MICH.

[ϕ=42° 58′ N.; λ=85° 40′ W.]

January	29.102	29.770	28.160	10.7	14.9	13.6	18.4	6.6	12.5	32	−14	7	9	9	84	75	81	0.061	0.062	0.063	3.24	1.02	7.8	6.2	8.1	7.3
February	29.223	30.063	28.240	20.4	25.6	24.7	30.7	14.0	22.4	53	−12	16	18	18	80	72	75	.104	.113	.111	3.81	1.60	6.2	6.1	6.0	6.6
March	29.274	29.810	28.610	32.6	42.8	41.3	48.0	28.8	38.4	70	13	25	27	29	74	55	62	.137	.151	.166	2.37	1.06	4.2	4.5	5.1	4.0
April	29.254	29.900	28.680	39.7	49.2	45.8	53.9	34.2	44.0	73	22	31	31	33	71	53	62	.183	.189	.196	2.22	.87	6.5	6.9	6.5	6.6
May	29.223	29.630	28.470	57.6	67.3	66.1	72.1	51.6	61.8	90	32	50	50	51	76	57	60	.380	.395	.404	4.03	1.18	6.0	6.5	5.6	5.5
June	29.194	29.466	28.770	61.7	73.3	70.1	77.1	55.3	66.2	92	38	51	51	51	70	47	54	.393	.392	.398	1.17	.74	5.4	4.9	5.0	4.6
July	29.280	29.470	29.100	66.9	76.9	75.9	82.9	60.4	71.6	94	50	57	55	56	71	45	52	.463	.447	.471	1.17	.64	5.2	5.5	3.9	4.5
August	29.253	29.610	28.960	68.8	81.5	78.3	85.4	62.8	74.1	102	51	59	57	57	71	45	49	.508	.487	.478	.84	.39	5.5	5.9	4.9	4.7
September	29.293	29.740	28.870	51.7	63.0	57.9	65.2	47.1	56.2	79	38	46	45	45	81	54	64	.316	.308	.310	2.01	1.04	5.2	5.6	4.4	5.9
October	29.283	29.640	28.720	48.2	59.1	55.4	62.8	44.9	53.8	78	34	42	43	43	80	58	65	.278	.286	.291	3.59	1.85	7.5	6.2	4.9	6.7
November	29.226	29.680	28.315	39.3	45.5	42.5	47.8	36.5	42.2	63	23	34	36	35	80	69	75	.202	.219	.213	2.63	.59	6.9	7.1	6.8	7.8
December	29.264	29.800	28.740	32.5	36.3	34.7	39.1	29.9	34.5	51	13	29	30	30	86	76	82	.164	.169	.169	4.02	1.45	8.3	7.0	7.2	7.9
Year	29.239	30.063	28.160	44.2	53.1	50.5	57.0	39.3	48.1	102	−14	37	38	38	77	59	65	.267	.268	.272	31.10	1.85	6.2	6.1	5.7	6.0

GREEN BAY, WIS.

[ϕ=44° 31′ N.; λ=88° 00′ W.]

January	29.215	29.900	28.327	3.7	8.2	7.7	13.3	−1.6	5.8	28	−17	−1	1	2	79	71	74	0.042	0.045	0.045	2.22	0.68	7.0	6.8	6.6	6.8
February	29.306	30.112	28.420	11.5	19.3	18.7	24.5	7.1	15.8	47	−23	7	12	12	79	70	75	.071	.085	.085	1.31	.85	6.5	6.7	6.7	6.2
March	29.361	29.940	28.650	27.9	38.7	36.6	44.3	24.9	34.6	65	6	22	25	26	76	58	65	.120	.141	.145	1.98	1.27	4.2	3.9	4.7	4.8
April	29.359	30.100	28.610	35.8	45.1	43.2	49.2	32.0	40.6	69	22	28	26	28	73	51	57	.161	.151	.160	2.44	.59	5.1	5.4	5.2	5.1
May	29.267	29.760	28.550	52.2	62.3	59.4	67.6	47.6	57.6	85	32	46	49	50	78	64	72	.339	.377	.384	9.70	2.19	6.9	5.9	6.9	6.5
June	29.269	29.590	28.830	59.1	67.7	66.9	72.0	54.3	63.2	88	42	51	52	52	75	60	62	.380	.407	.408	2.59	1.25	6.3	5.7	5.9	6.5
July	29.366	29.620	29.150	63.6	73.5	72.7	77.8	59.2	68.5	94	49	56	55	57	77	56	60	.464	.463	.488	1.52	.71	5.1	5.1	5.3	5.6
August	29.326	29.720	29.049	64.4	75.1	73.7	80.0	60.6	70.3	98	52	58	57	59	80	56	61	.491	.491	.508	2.05	.48	5.5	5.4	6.2	5.4
September	29.377	29.870	29.010	48.9	59.4	56.9	63.0	45.3	54.2	84	35	44	43	44	83	57	63	.294	.288	.295	1.71	.78	6.7	6.9	5.7	6.6
October	29.344	29.760	28.650	45.8	55.7	52.9	59.7	42.9	51.3	82	32	40	41	42	80	60	67	.252	.264	.273	2.18	1.56	6.9	5.7	5.9	6.6
November	29.293	29.736	28.240	35.3	41.8	39.2	44.5	33.1	38.8	61	15	30	31	31	81	65	72	.182	.183	.188	2.16	1.01	6.2	7.3	5.3	7.1
December	29.346	29.846	28.852	28.5	32.5	31.4	35.6	25.9	30.7	51	13	24	26	26	84	76	78	.137	.147	.143	1.81	.55	7.8	8.3	7.1	8.6
Year	29.319	30.112	28.240	39.7	48.3	46.6	52.6	35.9	44.3	98	−23	34	35	36	79	62	67	.244	.254	.260	31.57	2.19	6.2	6.1	6.0	6.3

Annual meteorological summary for the year ending December 31, 1918—Continued.

GRAND HAVEN, MICH.

[H_b=632 ft.; h_t=54 ft.; h_r=49 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	13.8	W.	48	S.	1	8	11	6	5	1	11	13	7	0	5	6	20	19	12	24	19	0	0	30	0	31	0	0
February	14.0	SW.	47	NW.	3	7	3	4	6	11	7	9	9	0	7	12	9	13	10	14	7	0	2	15	0	27	1	0
March	13.0	S.	39	E.	0	12	6	5	5	9	10	7	7	1	17	8	6	6	5	4	3	0	2	2	0	24	3	1
April	12.3	NE.	33	S.	0	9	11	12	3	3	8	8	6	0	10	8	12	11	9	4	3	0	1	0	0	15	1	1
May	12.7	S.	44	S.	1	3	4	7	8	24	5	7	4	0	14	12	5	12	11	0	0	0	3	0	0	0	6	1
June	10.6	W.	36	S.	0	4	5	8	2	12	9	10	10	0	14	12	4	3	1	0	0	0	0	0	0	0	1	0
July	9.2	W.	29	N.	0	8	1	5	0	16	7	9	16	0	16	13	2	6	5	0	0	0	0	0	0	0	2	0
August	9.9	S.	28	S.	0	6	3	13	4	12	11	6	7	0	10	16	5	7	5	0	0	1	2	0	2	0	4	2
September	10.7	NW.	38	W.	0	10	7	4	1	10	9	7	12	0	8	14	8	13	9	0	0	2	0	0	0	0	3	0
October	11.4	S.	40	SW.	1	7	2	7	10	15	5	9	7	0	8	8	15	11	7	1	1	0	1	0	0	0	1	1
November	14.8	W.	51	W.	3	8	0	4	10	11	4	12	11	0	5	7	18	12	10	7	2	0	0	0	0	10	3	0
December	12.3	E.	38	NW.	0	8	2	15	15	2	6	11	3	0	2	9	20	14	14	10	6	0	0	7	0	20	0	2
Year	12.1	W.	51	W.	9	90	55	90	69	126	92	108	99	1	116	125	124	127	98	64	41	3	11	54	2	127	25	8

GRAND JUNCTION, COLO.

[H_b=4,602 ft.; h_t=60 ft.; h_r=52 ft.; h_a=68 ft.]

January	4.9	SE.	21	SE.	0	4	6	11	11	4	3	17	6	0	10	11	10	14	10	16	14	0	0	20	0	31	0	0
February	7.3	SE.	52	W.	1	4	1	6	17	5	1	8	14	0	10	13	5	6	1	6	3	0	0	3	0	26	0	0
March	7.5	SE.	48	W.	2	8	2	7	18	3	4	7	13	0	14	8	9	7	3	1	0	0	0	0	0	11	3	0
April	7.0	SE.	41	S.	1	9	5	3	11	2	5	6	18	1	12	6	12	9	5	4	3	1	0	0	0	7	2	0
May	7.9	SE.	41	SW.	1	8	0	5	15	8	14	7	5	0	9	17	5	2	0	0	0	0	0	0	0	0	1	0
June	6.1	SE.	44	SE.	1	8	2	6	26	1	3	5	8	1	15	10	5	2	2	0	0	0	0	0	20	0	8	0
July	6.2	SE.	36	SW.	0	10	1	9	25	5	3	2	6	1	14	10	7	8	5	0	0	0	0	0	14	0	15	0
August	6.5	SE.	43	SW.	2	5	3	6	27	4	7	3	7	0	13	14	4	6	3	0	0	1	0	0	9	0	9	0
September	6.1	SE.	45	NW.	2	8	3	3	26	6	0	6	7	1	16	11	3	6	4	0	0	0	0	0	1	0	6	0
October	5.0	SE.	39	SE.	0	16	1	8	16	5	0	3	13	0	8	14	9	5	3	1	0	0	0	0	0	4	3	0
November	4.5	SE.	45	S.	1	7	6	7	12	6	2	7	13	0	14	9	7	7	6	8	6	0	0	3	0	24	0	0
December	3.9	SE.	25	SE.	0	9	1	6	18	5	1	8	14	0	15	4	12	9	6	9	6	0	0	5	0	30	0	0
Year	6.1	SE.	52	W.	11	96	31	77	222	54	43	79	124	4	150	127	88	81	48	45	32	2	0	31	44	133	47	0

GRAND RAPIDS, MICH.

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

January	7.5	W.	27	NE.	0	0	12	5	7	3	11	11	12	1	3	11	17	20	11	23	20	0	0	31	0	31	0	0
February	7.4	W.	32	NW.	0	2	4	3	8	7	10	16	6	0	5	13	10	11	9	17	5	0	1	15	0	26	2	0
March	6.7	NW.	28	E.	0	1	12	7	3	6	12	7	13	1	16	9	6	5	4	4	2	0	0	2	0	21	4	1
April	7.3	E.	23	NE.	0	1	15	10	10	0	8	9	7	0	8	4	18	14	12	3	2	0	0	0	0	14	2	1
May	6.8	W.	31	W.	0	0	4	8	11	7	15	12	5	0	10	13	8	14	11	0	0	0	0	0	1	0	7	1
June	6.4	W.	27	NW.	0	0	5	12	7	5	8	11	11	1	12	13	5	5	2	0	0	0	0	0	1	0	2	0
July	4.8	NW.	25	NW.	0	3	5	5	7	10	5	12	15	0	11	16	4	6	5	0	0	0	0	0	9	0	8	0
August	5.4	W.	18	W.	0	1	7	10	10	4	11	11	7	1	11	15	5	7	4	0	0	0	0	0	8	0	5	0
September	5.4	NW.	25	W.	0	2	2	7	9	10	8	5	15	2	8	10	12	11	7	0	0	2	1	0	0	0	2	0
October	6.0	S.	27	NW.	0	1	4	8	9	11	13	7	9	0	7	7	17	11	8	0	0	0	3	0	0	0	1	1
November	7.1	NW.	28	W.	6	1	0	2	11	11	9	8	18	0	4	6	20	11	8	5	1	0	0	0	0	9	2	0
December	6.5	SE.	27	NW.	0	0	5	4	20	8	7	9	9	0	4	5	22	14	10	10	6	0	1	7	0	19	1	0
Year	6.4	W.	32	NW.	0	12	75	81	112	82	117	118	127	6	99	122	144	129	91	62	36	2	6	55	19	120	36	4

GREEN BAY, WIS.

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

January	12.8	SW.	42	N.	1	7	12	9	1	7	18	10	7	0	8	6	17	13	11	15	13	0	0	31	0	31	0	0
February	12.6	SW.	57	NE.	4	6	7	1	2	17	14	3	6	0	7	11	10	4	4	4	4	0	0	17	0	28	0	0
March	13.0	S.	62	NE.	1	9	12	6	3	13	9	4	6	0	14	10	7	4	4	6	3	0	2	4	0	23	1	1
April	12.4	NE.	37	NE.	0	13	16	3	7	8	8	4	3	0	11	10	9	2	3	3	3	0	0	0	0	16	1	0
May	12.1	S.	60	N.	2	4	12	6	14	15	8	2	1	0	7	14	10	15	13	0	0	1	0	0	0	1	12	0
June	9.1	S.	30	S.	0	3	11	8	8	10	10	8	2	0	6	10	14	8	8	0	0	0	0	0	0	4	0	0
July	7.5	S.	24	N.	0	7	8	4	11	10	12	5	5	0	10	12	9	7	6	0	0	0	0	0	3	6	0	0
August	9.6	SW.	36	SW.	0	4	6	6	13	9	15	6	3	0	11	13	7	9	7	0	0	0	0	0	2	8	0	0
September	10.0	SW.	31	NW.	0	7	7	4	2	6	14	7	13	0	5	13	12	7	6	0	0	1	0	0	0	0	0	0
October	11.7	SW.	42	S.	1	4	11	3	4	14	14	9	3	0	10	7	14	8	7	0	0	0	0	0	0	1	0	0
November	13.3	S.	36	N.	0	7	1	2	8	14	9	9	10	0	8	3	19	8	6	5	1	0	1	2	0	15	1	1
December	11.2	SW.	50	NE.	1	7	6	6	7	12	12	5	7	0	2	4	25	12	9	10	6	0	5	12	0	25	0	0
Year	11.3	S.	62	NE.	10	78	109	49	80	135	141	72	66	0	99	113	153	104	89	43	30	1	9	66	5	140	33	2

Annual meteorological summary for the year ending December 31, 1918—Continued.

GREENVILLE S. C.

[ϕ=34° 50′ N.; λ=82° 24′ W.]

Month.	Pressure.			Temperature.								Moisture.												
		Extremes.		Mean.			Extremes.				Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	28.807	29.250	27.950	27.5	34.4	33.8	40.4	25.3	32.8	60	4	24	26	27	84	73	78	0.135	0.154	0.158	7.42	2.67	5.1	5.3	5.7	5.7
February	29.020	29.470	28.360	42.3	52.4	52.2	50.0	39.8	49.4	74	17	36	40	40	80	67	66	.235	.269	.270	2.99	1.33	5.2	4.9	4.5	5.3
March	28.956	29.490	28.570	50.5	60.1	59.0	66.1	47.1	56.6	80	32	41	43	43	72	58	58	.275	.298	.294	2.56	.79	5.4	4.6	5.0	5.2
April	28.877	29.240	28.650	52.1	61.3	58.9	65.0	48.3	56.6	82	36	46	49	48	79	66	69	.321	.361	.351	4.84	1.99	7.1	6.6	5.8	6.4
May	29.030	29.350	28.720	65.4	76.7	72.8	80.6	60.8	70.7	94	40	58	58	58	78	56	64	.501	.515	.512	5.61	2.28	4.9	4.3	4.9	4.4
June	28.869	29.119	28.470	70.8	78.9	76.2	83.4	66.2	74.8	95	58	64	63	64	78	62	69	.593	.592	.607	5.96	1.46	5.7	4.8	6.6	5.4
July	28.938	29.160	28.690	70.5	79.8	76.5	84.5	66.0	75.2	92	60	63	62	63	78	56	65	.589	.572	.583	2.14	.97	4.6	4.8	6.0	5.1
August	28.983	29.281	28.820	72.5	82.6	79.2	86.7	68.3	77.5	96	58	67	68	69	84	64	72	.677	.706	.711	3.07	1.42	3.5	3.9	4.8	3.7
September	28.960	29.280	28.750	61.8	71.7	68.2	75.2	58.1	66.6	86	44	56	60	58	82	69	72	.460	.544	.504	4.38	1.72	4.3	4.0	3.5	4.0
October	29.011	29.280	28.620	58.8	68.0	65.1	71.4	56.0	63.7	84	43	52	54	54	80	63	70	.407	.430	.440	11.41	7.32	6.0	5.0	5.4	5.5
November	28.988	29.360	28.510	44.7	54.9	52.6	58.7	42.4	50.6	69	33	39	41	41	80	60	66	.242	.265	.262	3.18	1.85	3.6	4.0	3.6	3.9
December	29.008	29.460	28.570	42.2	50.4	48.9	55.1	40.7	47.9	69	23	36	39	39	79	67	71	.231	.253	.258	7.37	2.82	5.3	6.2	5.6	5.8
Year	28.954	29.490	27.950	54.9	64.3	62.0	68.8	51.6	60.2	96	4	48	50	50	80	63	68	.389	.413	.412	60.93	7.32	5.1	4.9	5.1	5.0

GROESBECK, TEX.

[ϕ=31° 30′ N.; λ=96° 28′ W.]

January																										
February																										
March																										
April																										
May																										
June																					2.97					
July	29.493	29.690	29.220	75.1	92.3	92.0	97.4	72.2	84.8	103	67	68	64	62	80	41	38	0.694	0.601	0.559	1.14	1.09	2.9	2.5	3.1	2.7
August	29.491	29.684	29.354	74.6	91.9	90.5	96.2	72.7	84.4	102	68	70	64	63	86	41	42	.734	.600	.583	.46	.35	3.7	4.2	3.8	3.8
September	29.523	29.910	29.260	63.2	81.8	78.8	85.2	61.5	73.4	98	48	58	57	56	84	46	49	.505	.480	.472	3.05	2.79	3.8	3.7	4.0	3.6
October	29.484	29.880	29.130	60.8	74.9	71.2	78.5	58.7	68.6	91	42	58	61	63	92	65	77	.502	.564	.603	2.64	1.32	4.9	5.4	4.8	5.1
November	29.585	29.920	29.120	48.3	59.4	56.3	62.4	46.4	54.4	80	30	44	47	46	87	65	72	.316	.348	.340	8.03	3.93	5.9	5.3	5.4	5.5
December	29.587	29.900	29.210	45.3	55.2	53.5	60.3	41.9	51.0	75	26	42	43	44	90	66	72	.297	.300	.309	5.12	2.56	5.0	4.8	4.9	4.9
Year																										

HANNIBAL, MO.

[ϕ=39° 41′ N.; λ=91° 20′ W.]

January	29.395	30.010	28.900	9.1	16.1		22.3	4.9	13.6	42	−20	5	9		82	72		0.055	0.067		0.98	0.28	4.5	6.4		6.3
February	29.464	30.360	28.640	26.5	36.5		43.5	20.1	31.8	68	− 9	21	23		78	58		.136	.145		.88	.49	4.0	5.1		4.7
March	29.459	30.040	28.680	38.4	55.6		62.6	35.6	49.1	89	18	30	31		71	43		.171	.182		1.10	.50	4.1	4.0		3.5
April	29.398	30.050	28.940	42.6	51.2		56.7	40.2	48.4	77	28	36	38		78	64		.224	.241		4.40	.98	7.1	5.5		6.5
May	29.400	29.850	28.730	62.9	73.0		78.0	58.5	68.2	89	36	55	58		77	62		.462	.505		6.21	1.94	5.7	5.0		4.8
June	29.369	29.640	29.030	68.8	79.4		85.2	64.5	74.8	101	54	60	62		76	56		.539	.568		2.03	.77	4.9	4.7		4.3
July	29.464	29.690	29.320	69.7	82.1		86.9	65.6	76.2	100	54	61	60		76	49		.550	.527		1.19	.58	4.6	3.5		3.8
August	29.406	29.630	29.170	73.3	86.8		92.5	70.6	81.6	108	55	64	63		75	50		.608	.596		5.40	2.69	5.2	4.8		4.6
September	29.803	29.880	29.180	53.6	67.1		71.3	51.0	61.2	83	38	48	46		81	50		.342	.331		5.89	2.70	4.4	5.0		4.7
October	29.461	29.800	29.830	52.0	63.4		68.2	48.9	58.6	85	35	46	47		81	58		.320	.336		2.25	.92	5.6	5.4		5.8
November	29.483	29.940	29.610	38.6	48.4		52.1	36.8	44.4	76	22	34	34		81	58		.202	.209		2.11	1.03	5.8	5.0		5.1
December	29.451	29.840	29.030	34.7	42.4		46.9	31.3	39.1	67	1	31	32		86	69		.184	.192		1.79	.63	6.0	7.4		6.5
Year	29.463	30.360	28.610	47.5	58.5		63.8	44.0	53.9	108	−20	41	42		78	57		.316	.325		34.23	2.70	5.2	5.2		5.0

HARRISBURG, PA.

[ϕ=40° 16′ N.; λ=76° 52′ W.]

January	29.529	30.010	28.440	15.7	21.1	20.6	25.8	12.4	19.1	42	− 8	10	12	12	78	66	68	0.070	0.076	0.076	5.69	1.60	6.2	5.9	4.3	5.7
February	29.701	30.305	28.640	25.4	31.6	31.9	38.4	20.9	29.6	56	− 5	18	20	21	74	61	64	.110	.116	.126	2.12	1.00	5.8	5.4	4.4	5.6
March	29.626	30.140	29.040	37.5	47.2	46.7	54.4	33.9	44.2	76	18	26	25	28	64	43	50	.149	.144	.164	1.56	.68	4.4	4.2	2.7	4.2
April	29.638	30.080	29.180	45.0	53.2	52.6	58.9	41.2	50.0	77	30	35	33	38	70	51	60	.217	.196	.238	4.74	1.05	6.6	7.1	6.9	6.6
May	29.680	30.038	29.150	62.1	72.0	69.7	77.5	56.7	67.1	91	42	52	54	54	72	54	59	.416	.438	.435	2.95	.82	6.0	5.0	6.2	5.7
June	29.564	29.852	29.020	64.4	73.0	70.4	78.4	59.6	69.0	92	52	53	52	55	67	50	60	.419	.410	.450	2.49	1.12	6.5	5.3	5.8	5.8
July	29.617	29.838	29.380	69.4	78.2	75.7	82.9	63.5	73.2	95	53	59	55	58	69	46	55	.505	.443	.490	3.34	2.25	4.8	4.6	4.9	5.5
August	29.660	30.053	29.410	70.4	80.6	76.4	84.9	66.3	75.6	104	54	63	62	64	77	55	66	.585	.579	.603	2.54	.93	5.6	4.7	5.4	5.5
September	29.669	29.981	29.370	56.8	66.6	63.4	70.9	52.7	61.8	84	42	50	49	50	77	55	64	.366	.364	.380	2.92	1.23	4.3	5.7	4.3	5.2
October	29.738	30.158	29.200	51.9	62.2	60.1	67.5	48.9	58.2	80	36	46	45	47	80	56	64	.324	.319	.341	2.17	1.02	4.8	5.6	4.2	5.2
November	29.683	30.160	28.890	40.3	47.6	44.8	50.9	37.0	44.0	66	27	32	33	35	72	57	68	.188	.196	.210	1.45	.94	4.8	5.6	4.2	5.2
December	29.744	30.330	29.190	35.7	40.6	39.7	44.5	32.6	38.6	64	23	28	29	30	74	64	68	.160	.165	.174	3.65	1.38	6.9	6.2	5.8	6.7
Year	29.654	30.330	28.440	47.9	56.2	54.3	61.2	43.8	52.5	104	− 8	39	39	41	73	55	62	.292	.287	.307	35.62	2.25	5.6	5.4	4.9	5.6

Annual meteorological summary for the year ending December 31, 1918—Continued.

GREENVILLE, S. C.

[H_b=1,039 ft.; h_t=113 ft.; h_r=102 ft.; h_a=122 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.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. 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	10.5	SW.	45	SW.	3	1	13	7	0	2	16	18	5	0	10	7	14	15	13	6	4	0	2	6	0	25	1	0
February	9.0	SW.	45	NW.	1	1	11	4	3	8	14	10	5	0	7	14	7	11	8	1	0	2	2	0	0	3	3	0
March	9.7	NE.	38	W.	0	7	19	6	4	6	7	11	2	0	7	15	9	8	8	0	0	0	1	0	0	0	7	1
April	10.3	NE.	38	NW.	0	6	14	10	1	4	15	7	3	0	5	13	12	14	11	1	0	0	1	0	0	0	3	0
May	7.7	SW.	29	NW.	0	3	11	7	2	9	14	9	7	0	10	16	5	9	7	0	0	1	0	0	0	2	0	11
June	7.2	NE.	40	W.	1	5	12	10	4	5	4	12	8	0	10	9	11	11	10	0	0	0	0	0	0	4	0	8
July	6.4	NE.	31	N.W.	0	11	17	7	2	1	3	7	14	0	12	11	8	15	11	0	0	0	0	0	0	3	0	11
August	6.5	NE.	45	N.W.	1	5	12	7	4	6	9	11	7	1	16	10	5	11	7	0	0	0	0	0	11	0	8	0
September	6.5	NE.	37	W.	0	4	21	8	6	6	3	6	3	3	15	8	7	8	8	0	0	0	0	0	0	0	2	0
October	7.7	NE.	35	W.	0	5	21	7	4	4	5	7	1	8	11	7	13	9	8	0	0	0	0	0	0	0	2	0
November	6.9	NE.	35	SW.	0	3	21	5	0	4	8	5	3	11	14	8	8	8	5	1	1	0	1	0	0	0	0	0
December	9.3	NE.	30	SW.	0	4	16	9	1	1	13	8	4	6	8	10	13	12	10	1	1	0	2	0	0	7	0	0
Year	8.1	NE.	45	SW.	6	55	188	87	31	56	111	111	62	29	125	128	112	131	106	10	6	3	9	6	20	35	56	1

GROESBECK, TEX.

[H_b=461 ft.; h_t=11 ft.; h_r=3 ft.; h_a=56 ft.]

January	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
February	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
March	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
April	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
May	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
June	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	4	.....	.....	.....	.....	.....	.....	.....	.....	.....
July	8.8	S.	39	S.	0	2	5	8	18	18	9	0	0	0	24	6	1	3	3	0	0	0	0	0	29	0	3	0
August	9.5	S.	38	S.	0	0	0	6	18	34	4	0	0	0	15	14	2	5	2	0	0	0	0	0	29	0	11	0
September	9.8	S.	32	W.	0	8	17	4	12	15	2	1	0	1	17	6	7	4	3	0	0	0	1	0	0	9	0	3
October	7.5	SE.	34	S.	0	8	13	6	15	7	3	4	5	1	11	8	12	8	5	0	0	0	3	0	1	0	6	0
November	11.1	NE.	34	S.	0	13	10	5	16	3	3	3	7	0	10	8	12	8	8	1	0	0	0	0	0	1	2	0
December	10.3	SW.	37	NW.	0	9	5	1	10	8	14	4	10	1	12	6	13	8	7	0	0	0	0	0	0	7	3	0
Year	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

HANNIBAL, MO.

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

January	10.3	SW.	40	SW.	1	3	3	1	1	2	12	3	6	0	7	7	17	8	7	16	8	0	0	24	0	31	0	0
February	11.5	SW.	54	SW.	1	3	2	5	2	3	8	0	5	0	13	7	8	7	5	3	0	0	1	8	0	21	1	0
March	10.7	SW.	58	W.	2	0	4	6	3	1	11	1	5	0	16	10	5	6	5	1	0	1	0	0	0	10	3	1
April	10.8	NE.	36	SW.	0	1	11	4	1	1	7	1	4	0	6	9	15	14	11	1	0	1	0	0	0	3	5	0
May	10.9	SW.	46	W.	1	1	2	3	3	5	14	0	3	0	11	14	6	11	10	0	0	1	3	0	0	0	8	0
June	7.8	SW.	40	N.	1	3	4	3	6	1	10	0	3	0	13	12	5	9	7	0	0	0	1	0	7	0	8	0
July	7.4	SW.	27	NE.	0	0	5	6	2	2	12	0	4	0	16	11	4	8	7	0	0	0	1	0	12	0	3	0
August	8.5	SW.	48	W.	1	2	6	3	0	1	16	1	2	0	10	14	7	11	9	0	0	1	0	0	21	0	14	0
September	7.2	SW.	27	SW.	0	3	4	2	1	2	13	2	3	0	14	7	9	10	7	0	0	0	0	0	0	0	2	0
October	8.2	SW.	40	S.	1	3	4	5	1	3	10	2	3	0	10	7	14	8	5	1	0	0	2	0	0	0	1	0
November	9.4	SW.	33	SW.	0	1	1	2	3	1	14	3	5	0	14	5	11	9	8	6	0	0	1	1	0	11	2	0
December	8.6	SW.	28	NE.	0	3	0	5	1	3	14	3	2	0	7	10	14	9	8	7	3	0	0	5	0	15	0	0
Year	9.3	SW.	58	W.	8	23	46	45	24	25	141	16	45	0	137	113	115	110	89	35	11	4	9	38	40	91	47	1

HARRISBURG, PA.

[H_b=374 ft.; h_t=94 ft.; h_r=90 ft.; h_a=104 ft.]

January	7.4	W.	36	W.	0	5	5	11	3	0	4	22	12	0	10	7	14	15	13	14	12	0	0	25	0	31	0	0
February	7.5	NW.	44	NW.	1	6	1	6	9	6	4	9	15	0	8	7	13	9	6	4	1	0	2	10	0	24	0	0
March	7.5	W.	37	W.	0	7	4	7	5	5	5	16	12	1	15	9	7	7	6	3	1	0	2	0	0	14	0	1
April	6.8	W.	33	NW.	0	9	10	4	9	3	5	16	4	0	4	13	13	12	11	4	3	0	0	0	0	3	2	1
May	6.7	S.	47	SW.	1	1	5	6	7	20	8	9	6	0	7	15	9	16	11	0	0	1	0	0	0	1	0	10
June	6.9	NW.	33	SW.	0	3	8	3	9	11	2	12	12	0	7	14	9	10	7	0	0	0	1	0	2	0	8	0
July	5.6	NW.	24	S.	0	9	5	4	1	13	4	12	13	1	7	16	8	10	5	0	0	0	0	0	4	0	10	0
August	4.7	W.	31	W.	0	5	6	6	8	7	14	14	2	0	12	8	11	13	10	0	0	0	0	0	8	0	10	0
September	5.7	W.	21	NW.	0	10	7	5	7	4	4	12	11	0	12	7	11	12	9	0	0	0	0	0	0	0	2	0
October	5.6	S.	22	N.	0	6	6	4	10	11	7	6	12	0	8	12	11	8	5	0	0	0	3	0	0	0	2	0
November	6.5	W.	38	SW.	0	8	2	7	4	5	4	19	11	0	13	6	11	5	4	0	0	0	3	0	0	0	2	0
December	6.6	W.	29	NW.	0	2	14	8	5	5	1	17	9	1	7	8	16	8	7	5	1	0	3	0	0	14	0	0
Year	6.5	W.	47	SW.	2	71	73	71	77	90	62	164	119	3	110	122	133	125	94	30	18	1	14	35	15	93	46	3

Annual meteorological summary for the year ending December 31, 1918—Continued.

HARTFORD, CONN.

[ϕ=41° 46′ N.; λ=72° 40′ W.]

Month.	Pressure.			Temperature.								Moisture.															
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	29.687	30.310	28.575	14.8	20.2	19.0	24.6	10.3	17.4	51	− 8	9	10	9	76	62	63	0.072	0.071	0.066	3.28	1.25	6.4	7.0	4.2	4.9
February	29.883	30.560	28.720	22.2	28.4	26.1	34.8	15.5	25.2	56	−11	15	16	16	73	59	66	.103	.102	.105	2.43	.81	6.2	6.3	4.6	4.5
March	29.798	30.320	29.290	33.0	40.9	39.2	48.7	28.2	38.4	69	11	23	23	24	68	52	56	.129	.131	.135	2.58	1.23	4.6	6.1	3.6	4.2
April	29.866	30.400	29.390	43.5	53.5	48.8	58.0	37.7	47.8	75	30	33	34	33	67	51	59	.196	.207	.204	3.36	1.42	5.7	6.7	6.7	5.2
May	29.884	30.302	29.370	59.2	69.6	63.5	74.3	52.6	63.4	88	42	52	55	54	77	63	72	.402	.460	.433	3.46	1.04	6.6	5.7	7.3	4.7
June	29.764	30.066	29.130	61.1	70.1	65.4	74.8	54.8	64.8	93	44	56	62	58	85	75	80	.462	.558	.501	4.36	2.39	4.9	5.7	5.3	4.7
July	29.806	30.110	29.520	68.2	77.5	72.0	81.6	62.4	72.0	97	51	62	65	64	81	66	77	.563	.618	.601	2.76	1.47	4.5	5.7	5.4	4.2
August	29.866	30.310	29.510	67.7	78.3	73.5	82.2	62.6	72.4	100	51	62	64	65	82	63	76	.567	.615	.640	3.51	1.07	4.7	3.9	5.4	4.8
September	29.870	30.252	29.550	56.1	65.3	60.0	69.5	50.7	60.1	81	38	52	52	53	85	64	78	.400	.399	.415	4.99	1.84	5.6	6.0	3.8	5.4
October	29.944	30.400	29.410	49.9	60.6	56.1	65.5	45.1	55.3	77	34	45	48	49	85	64	78	.322	.351	.360	.82	.24	6.1	5.4	4.0	4.9
November	29.851	30.420	28.900	38.9	46.2	43.6	50.5	35.4	43.0	64	20	32	34	34	76	62	69	.194	.203	.203	2.74	1.47	5.4	6.0	4.5	6.0
December	29.948	30.570	29.310	30.3	35.7	33.5	40.5	26.6	33.6	59	14	24	25	25	78	64	72	.140	.138	.143	3.56	.76	6.3	6.4	4.5	6.5
Year	29.847	30.570	28.575	45.4	53.9	50.1	58.8	40.2	49.4	100	−11	39	41	40	78	62	70	.296	.321	.317	37.75	2.39	5.6	5.9	4.9	5.0

HATTERAS, N. C.

[ϕ=35° 15′ N.; λ=75° 40′ W.]

January	29.930	30.350	29.220	35.3	....	37.2	44.6	30.5	37.6	62	11	32	....	30	86	....	84	0.187	.....	0.192	1.78	0.74	6.2	....	3.9	6.4
February	30.144	30.660	29.450	44.2	....	45.3	52.8	39.6	46.2	70	20	39	.....	40	82	.....	82	.252	.....	.260	1.73	.73	5.3	....	3.4	5.1
March	30.044	30.580	29.620	52.3	....	51.8	60.0	46.3	53.2	70	33	48	.....	45	84	.....	79	.346	.....	.317	1.34	.57	5.8	....	2.4	5.2
April	29.963	30.410	29.510	56.7	60.1	55.4	62.8	51.2	57.0	73	38	52	52	51	84	75	86	.396	0.399	.385	5.34	1.86	6.0	5.4	5.3	6.3
May	30.114	30.390	29.830	70.0	73.7	67.9	75.6	64.1	69.8	86	47	64	64	62	82	72	82	.610	.604	.567	1.48	.78	4.3	3.7	3.5	4.3
June	29.935	30.206	29.480	74.2	76.1	71.2	78.6	66.8	72.7	86	59	64	64	65	72	67	81	.612	.607	.615	4.69	3.52	5.2	4.0	3.5	4.7
July	29.992	30.223	29.750	76.1	78.8	73.1	81.5	68.4	75.0	90	60	68	68	68	78	70	83	.705	.684	.680	7.10	2.00	6.2	4.6	5.1	5.4
August	30.027	30.270	29.720	78.3	81.7	77.1	83.4	73.5	78.4	92	67	72	73	72	83	76	83	.800	.827	.775	3.10	1.43	5.2	3.7	2.9	3.8
September	30.012	30.296	29.750	71.9	75.8	70.6	77.1	66.1	71.6	84	55	65	66	64	78	71	81	.624	.642	.623	2.41	.94	5.6	4.9	3.3	....
October	30.109	30.325	29.780	68.2	71.6	66.6	73.5	62.7	68.1	84	54	60	61	61	78	72	84	.539	.557	.552	1.12	.54	5.7	5.1	5.0	....
November	30.054	30.374	29.540	55.0	59.7	55.4	61.6	50.8	56.2	73	42	49	51	51	81	75	84	.360	.395	.381	2.30	1.18	5.5	4.9	3.4	....
December	30.104	30.584	29.720	50.5	54.6	52.0	57.3	46.0	51.6	68	33	46	48	47	86	80	85	.332	.353	.349	4.58	1.91	7.4	6.1	5.3	6.8
Year	30.036	30.660	29.220	61.1	....	60.3	67.4	55.5	61.4	92	11	55	....	55	81	....	83	.480	.....	.475	36.97	3.52	5.7	....	3.9	....

HAVRE, MONT.

[ϕ=48° 34′ N.; λ=109° 40′ W.]

January	27.364	27.960	26.869	8.9	....	11.7	18.9	2.6	10.8	53	−39	6	....	8	87	....	84	0.080	.....	0.084	1.19	0.33	5.5	....	6.7	6.5
February	27.281	27.974	26.750	14.4	20.8	20.6	27.3	8.4	17.8	49	−39	10	16	15	84	82	81	.090	0.110	.109	.40	.14	5.2	4.9	6.0	5.2
March	27.265	27.780	26.840	28.7	41.0	34.2	46.9	24.2	35.6	69	− 8	24	28	28	84	63	64	.137	.161	.161	.51	.28	6.2	5.3	6.6	5.7
April	27.351	27.860	26.890	32.1	49.8	52.2	55.6	30.1	42.8	77	15	29	35	30	87	61	47	.162	.212	.176	.35	.32	4.7	4.3	5.1	5.3
May	27.260	27.610	26.870	41.6	59.8	61.0	64.8	38.5	51.6	85	25	36	35	32	82	43	36	.217	.212	.184	.13	.10	4.6	5.0	6.2	5.8
June	27.306	27.600	26.930	55.4	76.8	79.2	82.3	52.1	67.2	100	36	47	45	42	75	36	30	.338	.316	.284	1.45	.72	2.7	2.9	3.9	3.8
July	27.374	27.650	26.960	55.8	76.5	78.8	82.5	53.4	68.0	97	41	49	51	49	79	47	39	.358	.391	.357	.75	.21	3.6	4.8	4.5	4.5
August	27.316	27.609	26.958	54.9	74.2	74.6	79.8	53.5	66.6	97	39	49	52	51	82	50	48	.358	.399	.385	2.61	.71	4.8	3.2	5.3	5.1
September	27.473	27.730	27.160	42.7	62.7	65.9	69.9	40.4	55.2	84	30	39	46	45	88	56	51	.245	.314	.304	.98	.66	3.9	4.5	3.7	4.9
October	27.330	27.660	26.710	40.4	55.6	54.5	61.7	36.1	48.9	80	21	36	39	41	85	56	63	.219	.247	.259	1.05	.72	4.9	5.4	4.5	5.9
November	27.339	28.000	26.690	23.8	33.7	32.3	41.0	18.8	29.9	59	−13	20	26	24	85	76	74	.115	.150	.134	.53	.29	3.5	4.7	4.9	5.8
December	27.343	27.875	26.860	22.3	33.1	28.2	37.0	15.9	26.4	56	−15	18	24	21	83	72	76	.102	.133	.115	.09	.07	4.5	4.9	5.5	6.2
Year	27.334	28.000	26.690	35.1	....	51.1	55.6	31.2	43.4	100	−39	30	....	32	83	....	58	.202	.....	.213	10.04	.72	4.5	....	5.2	5.4

HELENA, MONT.

[ϕ=46° 34′ N.; λ=112° 04′ W.]

January	25.751	26.140	25.250	18.7	23.7	22.5	29.0	13.0	21.0	59	−29	13	14	15	78	66	72	0.091	0.089	0.094	1.07	0.25	5.1	5.7	6.2	7.4
February	25.722	26.160	25.240	20.0	26.4	27.0	33.8	13.6	23.7	60	−16	12	13	14	71	55	60	.081	.081	.087	.38	.16	4.8	5.5	4.3	6.1
March	25.710	26.240	25.300	32.4	44.1	45.7	50.0	28.3	39.2	67	− 1	23	24	24	67	46	44	.124	.128	.130	.42	.13	5.2	5.6	6.2	6.2
April	25.781	26.240	25.400	32.0	45.1	47.0	50.9	29.9	40.4	69	12	23	24	24	69	46	43	.122	.130	.129	.57	.23	7.0	6.8	5.7	6.8
May	25.732	25.950	25.440	40.4	55.0	55.5	59.0	38.2	48.6	81	27	28	26	28	64	36	36	.154	.138	.141	1.36	.63	5.0	6.6	6.5	6.5
June	25.809	26.010	25.500	54.9	73.9	75.7	80.7	51.8	66.2	94	36	40	41	40	60	33	31	.264	.270	.264	.87	.39	2.9	3.8	5.7	4.5
July	25.844	26.030	25.530	55.5	71.3	74.3	78.4	53.2	65.8	94	40	43	44	42	65	42	38	.288	.306	.287	3.18	1.46	4.4	4.6	5.7	5.1
August	25.820	26.040	25.520	53.0	69.5	71.1	75.5	51.2	63.4	90	39	42	42	41	68	38	36	.278	.267	.262	.96	.31	3.6	4.3	5.3	4.5
September	25.919	26.140	25.664	45.7	61.1	62.3	67.6	44.3	56.0	82	37	38	40	40	74	48	49	.226	.250	.253	1.76	.98	4.4	5.1	5.2	5.0
October	25.825	26.058	25.270	42.7	55.2	53.2	59.3	40.5	49.9	79	31	32	34	34	66	47	50	.186	.206	.204	.39	.18	5.4	5.4	4.3	5.4
November	25.802	26.214	25.150	27.3	36.5	34.2	41.0	23.6	32.3	62	1	18	19	20	69	49	57	.101	.105	.110	.15	.11	4.3	5.4	4.8	5.4
December	25.813	26.103	25.350	26.3	32.5	31.2	36.5	20.5	28.5	64	−12	15	16	16	65	51	53	.090	.092	.088	.07	.04	4.3	6.2	6.6	6.3
Year	25.794	26.240	25.150	37.4	49.5	50.0	55.1	34.0	44.6	94	−29	27	28	28	68	46	47	.167	.172	.171	11.18	1.46	4.8	5.4	5.5	5.8

Annual meteorological summary for the year ending December 31, 1918—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.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. 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.	32	SW.	0	11	3	1	1	6	11	6	23	0	8	14	9	11	8	16	9	0	1	25	0	31	1	0
February	9.6	S.	41	W.	1	6	1	1	2	17	9	5	15	0	14	6	8	12	9	8	6	0	0	13	0	24	0	1
March	8.8	NW.	45	NW.	1	9	4	2	0	16	9	1	21	0	14	10	7	8	7	6	6	0	3	9	0	21	2	3
April	7.9	N.	29	W.	0	9	13	1	2	14	4	3	14	0	10	9	11	14	11	3	2	0	2	9	0	6	1	3
May	8.6	S.	33	S.	0	1	4	2	5	29	9	2	10	0	12	11	8	14	11	0	0	0	0	0	0	0	0	2
June	7.5	S.	29	NW.	0	4	7	5	5	14	9	1	15	0	15	7	8	7	5	0	0	2	1	0	1	0	0	3
July	6.5	S.	31	NW.	0	7	7	4	3	15	12	2	12	0	11	14	6	9	8	0	0	1	2	0	4	0	0	0
August	6.3	S.	27	S.	0	7	9	4	4	20	12	2	4	0	15	5	11	7	7	0	0	0	2	0	5	0	7	0
September	6.6	S.	28	S.	0	12	8	1	4	13	9	4	9	0	8	13	9	13	10	0	0	0	3	0	0	0	3	1
October	7.2	S.	30	SW.	0	13	3	1	1	25	9	1	9	0	12	10	9	7	6	0	0	0	2	0	0	0	2	1
November	7.2	NW.	37	W.	0	7	1	3	2	9	15	5	18	0	7	10	13	10	8	3	0	0	2	0	0	12	1	2
December	6.2	N.	33	NW.	0	16	6	2	0	9	5	5	19	0	9	3	19	15	9	11	5	0	4	6	0	23	0	0
Year	7.5	S.	45	NW.	2	102	66	27	29	187	113	37	169	0	135	112	118	127	99	47	28	3	22	44	10	117	35	13

HATTERAS, N. C.

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

January	16.8	W.	72	SW.	5	14	3	1	3	6	10	16	9	0	8	10	13	10	6	2	1	0	0	4	0	18	2	0
February	15.2	SW.	40	SW.	1	7	11	6	3	6	14	5	4	0	9	11	8	9	7	1	0	0	0	1	0	5	0	0
March	16.4	NE.	48	NW.	2	4	19	9	1	6	12	5	6	0	11	9	11	10	7	0	0	0	0	0	0	0	1	0
April	15.9	SW.	62	E.	3	5	11	4	5	5	15	10	5	0	6	10	14	10	8	0	0	0	0	0	0	0	4	0
May	12.6	SW.	37	SW.	0	4	11	2	1	7	26	11	0	0	17	8	6	9	5	0	0	0	0	0	0	0	6	0
June	13.4	NE.	52	SW.	3	8	17	7	6	3	15	2	2	0	12	14	4	4	3	0	0	0	0	0	0	0	3	0
July	10.9	N.	50	NW.	4	10	7	11	5	8	10	8	3	0	8	16	7	13	12	0	0	0	1	0	0	1	10	0
August	13.0	SW.	64	SW.	3	2	16	2	6	5	23	6	2	0	17	9	5	7	7	0	0	0	0	2	0	5	0	
September	12.0	NE.	41	N.	2	9	26	5	2	7	5	5	1	0				8	7	0				0	0	0		
October	12.7	NE.	38	NE.	0	7	23	6	3	5	9	3	6	0	9	14	8	8	6	0	0	0	0	0	0	0	0	0
November	15.9	N.	48	SW.	1	26	12	2	3	3	4	7	3	0	12	8	10	7	4	0	0	0	0	0	0	0	0	0
December	17.0	NE.	44	N.	4	8	16	2	1	8	8	9	10	0	8	5	18	11	10	0	0	0	1	0	0	0	1	0
Year	14.3	NE.	72	SW.	28	104	172	57	39	69	151	87	51	0				106	82	3	1			5	3	23		

HAVRE, MONT.

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

January	8.1	SW.	39	W.	0	4	6	13	1	2	16	3	16	1	8	8	15	14	11	18	14	0	3	20	0	27	0	0
February	10.9	SW.	37	SW.	0	2	3	11	0	0	26	4	10	0	6	16	6	6	4	9	6	0	3	12	0	24	0	0
March	9.0	SW.	36	SW.	0	2	7	9	0	0	21	9	9	5	7	12	11	6	3	6	3	0	4	6	0	20	0	0
April	8.0	SW.	36	N.	0	14	3	6	3	4	15	4	11	0	9	16	5	4	1	4	2	0	1	2	0	19	1	0
May	8.1	SW.	30	SW.	0	5	8	4	0	4	14	5	21	1	9	13	9	3	2	1	0	0	0	0	0	7	0	0
June	7.3	SW.	36	SW.	0	6	3	11	3	4	8	8	16	1	18	10	2	6	4	0	0	0	0	0	0	5	2	0
July	6.4	E.	36	SW.	0	8	8	11	5	4	6	5	14	1	14	11	6	9	7	0	0	0	0	0	0	7	0	0
August	6.9	SW.	30	SW.	0	4	6	7	2	5	21	10	7	0	11	13	7	15	11	0	0	0	1	0	0	2	0	1
September	5.0	NE.	25	N.	0	2	9	12	3	2	6	10	12	4	12	10	8	5	3	0	0	0	0	0	0	1	0	0
October	7.0	SW.	40	SW.	1	3	7	6	0	2	21	12	11	0	10	8	13	6	4	0	0	1	0	0	0	8	0	0
November	7.6	SW.	48	SW.	1	1	5	9	2	0	23	8	11	1	8	9	13	4	3	6	4	0	1	6	0	29	0	0
December	7.5	SW.	36	W.	0	1	7	10	1	0	24	7	9	3	6	11	14	3	1	4	3	0	2	8	0	29	0	0
Year	7.6	SW.	48	SW.	2	52	72	109	20	27	201	85	147	17	118	138	109	81	54	48	32	1	11	54	18	164	22	3

HELENA, MONT.

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

January	7.5	SW.	42	SW.	1	3	0	0	0	1	31	7	20	0	3	12	16	16	11	20	15	0	2	15	0	26	0	0
February	7.2	SW.	38	SW.	0	1	1	1	1	1	24	10	16	1	8	7	13	8	4	14	8	0	0	11	0	25	0	0
March	7.8	SW.	38	NW.	0	3	2	2	0	7	30	10	7	1	6	14	11	7	4	7	6	0	1	2	0	21	0	1
April	9.1	SW.	39	N.	0	11	1	3	2	2	19	10	11	1	4	12	14	8	6	9	7	0	0	3	0	16	0	0
May	9.2	SW.	26	SW.	0	4	2	1	1	1	30	11	12	0	5	12	14	7	5	8	6	0	0	0	0	8	0	0
June	8.2	SW.	40	W.	1	6	5	3	0	1	31	11	3	0	12	13	5	9	5	1	0	1	0	0	0	7	0	11
July	7.2	SW.	36	S.	0	4	4	5	1	3	28	6	10	1	9	13	9	8	7	0	0	4	0	0	0	3	0	8
August	8.5	SW.	48	SW.	1	7	4	0	2	4	34	11	0	0	14	11	6	9	5	0	0	0	0	0	0	1	0	12
September	6.7	SW.	24	SW.	0	8	6	3	0	0	28	3	12	0	13	4	13	11	8	3	0	0	0	0	0	0	0	1
October	8.2	SW.	36	SW.	0	1	0	1	1	5	41	8	5	0	10	11	10	9	3	4	0	0	0	0	0	2	2	1
November	7.3	SW.	36	SW.	0	2	0	0	1	6	36	8	7	0	11	9	10	3	2	12	3	0	0	9	0	26	0	1
December	7.1	SW.	46	SW.	1	1	3	1	2	4	38	3	10	0	8	8	15	2	1	11	2	0	0	12	0	22	0	1
Year	7.8	SW.	48	SW.	4	51	28	20	11	35	370	98	113	4	103	126	136	97	61	86	47	5	3	52	11	146	33	5

Annual meteorological summary for the year ending December 31, 1918—Continued.

HONOLULU, HAWAII.

[ϕ=21° 19′ N.; λ=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.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	29.930	30.050	29.740	71.3	75.0	71.5	76.8	66.7	71.8	82	57	62	62	62	72	65	72	0.552	0.556	0.558	5.89	1.57	7.0	7.0	4.9	6.4
February	29.966	30.140	29.590	70.9	74.7	71.0	76.1	66.3	71.2	80	62	61	61	61	71	62	71	.533	.535	.535	3.14	1.09	5.1	5.8	5.6	5.8
March	29.960	30.120	29.790	70.5	74.4	70.0	76.2	66.5	71.4	82	62	60	60	61	70	62	73	.523	.523	.535	4.78	1.26	6.8	7.8	5.5	6.5
April	29.932	30.010	29.780	71.6	74.2	70.6	75.7	67.5	71.6	80	64	61	62	62	71	66	74	.547	.555	.556	6.87	3.79	8.4	8.7	7.2	8.3
May	29.966	30.080	29.820	74.8	78.0	73.3	79.7	70.0	74.8	83	65	62	62	63	65	60	70	.558	.570	.571	.40	.18	5.5	6.6	4.6	5.7
June	29.948	30.028	29.800	76.4	79.0	75.1	80.7	71.5	76.1	84	69	64	64	64	66	61	68	.601	.597	.590	.87	.49	3.4	5.9	5.0	4.7
July	29.940	30.030	29.800	77.8	80.7	76.9	82.3	73.8	78.0	84	70	65	66	65	66	60	68	.627	.632	.627	.64	.27	5.0	4.7	3.9	4.7
August	29.946	30.010	29.820	78.3	81.8	77.5	83.5	73.6	78.6	86	70	66	66	66	68	59	68	.652	.633	.638	2.74	1.12	4.4	4.7	4.3	4.7
September	29.939	30.010	29.790	79.4	82.0	77.7	84.0	74.4	79.2	86	72	65	66	66	63	58	67	.626	.635	.634	.41	.23	3.3	4.5	2.4	4.1
October	29.953	30.050	29.820	78.1	81.4	77.0	83.1	73.5	78.3	85	70	66	65	66	67	58	68	.636	.622	.632	1.44	.52	4.4	4.6	3.4	4.5
November	29.962	30.100	29.710	75.8	78.8	75.2	80.1	70.8	75.4	83	67	64	64	64	67	62	70	.592	.603	.606	5.32	3.72	4.5	4.9	4.5	4.8
December	30.024	30.170	29.880	73.0	76.1	72.8	77.5	68.7	73.1	80	63	60	60	60	65	58	66	.525	.521	.527	4.96	1.84	3.2	2.8	3.3	3.5
Year	29.956	30.170	29.590	74.8	78.0	74.0	79.6	70.3	75.0	86	57	63	63	63	68	61	70	.581	.582	.584	37.46	3.79	5.1	5.7	4.6	5.3

HOUGHTON, MICH.

[ϕ=47° 07′ N.; λ=88° 34′ W.]

January	29.146	29.790	28.370	4.9	8.3	....	13.3	0.0	6.6	26	−28	0	2	....	80	75	....	0.044	0.048	.....	2.65	0.43	9.0	7.1	....	8.0
February	29.230	29.920	28.500	7.6	13.1	....	20.0	1.7	10.8	44	−23	3	6	....	79	72	....	.057	.065	.....	.03	.16	8.6	7.2	....	8.4
March	29.276	29.840	28.520	25.8	34.5	....	39.9	19.8	29.8	70	− 6	18	22	....	73	61	....	.108	.124	.....	.23	.09	6.5	4.4	....	5.5
April	29.307	30.049	28.510	32.3	43.6	....	47.2	27.3	37.2	66	15	25	21	....	73	44	....	.134	.122	.....	1.67	.62	4.6	4.4	....	4.8
May	29.192	29.680	28.660	45.5	53.8	....	60.1	40.0	50.0	89	29	39	41	....	79	65	....	.254	.282	.....	6.38	2.65	6.5	5.6	....	6.7
June	29.174	29.580	28.523	56.1	61.9	....	67.1	48.1	57.6	85	38	47	46	....	73	58	....	.333	.322	.....	1.55	.90	5.3	5.9	....	5.6
July	29.293	29.538	29.090	59.8	69.3	....	73.0	52.8	62.9	94	44	52	54	....	77	60	....	.400	.427	.....	1.34	.37	4.5	4.9	....	4.8
August	29.257	29.664	28.940	60.4	69.3	....	73.4	55.2	64.3	88	44	53	54	....	79	59	....	.413	.424	.....	1.88	.37	4.9	4.6	....	4.7
September	29.303	29.853	28.870	46.8	53.5	....	56.5	42.6	49.6	69	34	41	39	....	81	60	....	.266	.250	.....	3.87	1.10	5.6	6.0	....	5.7
October	29.258	29.750	28.410	42.9	50.3	....	52.8	39.7	46.2	78	30	39	36	....	87	62	....	.244	.218	.....	3.95	1.34	7.0	6.4	....	7.0
November	29.183	29.780	28.520	35.4	38.7	....	42.2	31.1	36.6	57	12	30	32	....	82	77	....	.179	.191	.....	3.24	.72	8.1	7.8	....	7.9
December	29.283	29.790	28.790	26.1	28.1	....	31.2	22.4	26.8	42	9	21	24	....	80	85	....	.118	.134	.....	2.35	.56	8.8	8.8	....	9.4
Year	29.242	30.049	28.370	37.0	43.7	....	48.1	31.7	39.9	94	−28	31	31	....	79	65	....	.212	.217	.....	29.74	2.65	6.6	6.1	....	6.5

HOUSTON, TEX.

[ϕ=29° 47′ N.; λ=95° 24′ W.]

January	29.863	30.260	29.320	39.9	50.8	....	58.4	36.1	47.2	77	11	33	36	....	78	60	....	0.215	0.250	.....	0.96	0.33	4.2	4.6	....	3.7
February	29.954	30.420	29.550	53.2	62.1	....	68.1	50.1	59.1	85	26	49	50	....	88	68	....	.387	.403	.....	1.69	.66	5.6	7.4	....	6.6
March	29.889	30.301	29.570	60.0	72.5	....	76.8	58.5	67.6	86	44	54	54	....	83	53	....	.446	.436	.....	3.25	2.01	7.1	4.6	....	4.0
April	29.768	30.170	29.520	62.9	72.8	....	76.4	60.6	68.5	89	44	57	56	....	82	59	....	.504	.494	.....	7.20	2.67	6.4	5.7	....	5.3
May	29.865	30.187	29.530	70.4	81.2	....	83.4	68.3	75.8	89	56	66	65	....	86	58	....	.657	.622	.....	2.59	1.68	4.5	6.7	....	5.7
June	29.900	30.000	29.610	77.1	88.7	....	92.8	74.6	83.7	103	70	72	70	....	86	55	....	.794	.734	.....	3.74	1.43	2.1	4.5	....	4.2
July	29.864	30.030	29.650	76.9	90.4	....	93.9	74.6	84.2	98	69	72	69	....	86	51	....	.797	.718	.....	6.11	4.36	2.2	3.7	....	3.5
August	29.868	30.030	29.670	77.5	88.9	....	92.6	74.8	83.7	98	69	73	68	....	86	51	....	.810	.682	.....	1.68	.71	2.9	5.7	....	4.8
September	29.877	30.200	29.650	68.3	83.1	....	86.4	66.5	76.4	97	53	62	59	....	81	46	....	.586	.517	.....	2.62	2.17	2.6	3.6	....	3.3
October	29.826	30.170	29.440	65.7	78.3	....	80.5	63.9	72.2	90	46	62	65	....	89	66	....	.582	.643	.....	8.44	4.92	4.9	6.0	....	5.4
November	29.937	30.210	29.520	53.7	63.5	....	66.3	52.2	59.2	83	34	48	47	....	82	60	....	.367	.357	.....	6.02	1.72	6.5	5.7	....	5.9
December	29.967	30.280	29.550	51.1	61.3	....	64.7	48.2	56.4	79	29	46	47	....	83	61	....	.346	.380	.....	3.16	1.26	5.3	5.4	....	5.3
Year	29.872	30.420	29.320	63.1	74.5	....	78.4	60.7	69.5	103	11	58	57	....	84	57	....	.541	.518	.....	47.46	4.92	4.5	5.3	....	4.8

HURON, S. DAK.

[ϕ=44° 21′ N.; λ=98° 14′ W.]

January	28.642	29.280	28.010	1.9	7.5	6.4	14.1	−4.5	4.8	50	−28	− 7	3	3	90	79	84	0.049	0.057	0.057	0.71	0.19	5.6	5.7	4.5	5.2
February	28.620	29.540	28.070	10.7	22.6	22.8	30.1	6.2	18.2	60	−26	8	14	17	88	70	76	.075	.097	.106	.65	.61	4.3	4.2	5.0	4.2
March	28.605	29.240	28.070	30.6	45.1	45.4	51.8	27.3	39.6	75	− 2	25	26	29	79	52	55	.134	.147	.164	1.11	.58	5.2	4.6	5.4	4.5
April	28.598	29.280	27.990	33.4	48.2	48.9	53.0	30.9	42.0	70	18	26	27	28	74	48	48	.146	.154	.156	1.94	.61	4.7	5.5	4.9	5.8
May	28.475	28.917	27.900	50.4	66.4	66.1	71.6	45.4	58.5	89	33	45	48	48	82	51	56	.312	.332	.349	3.52	1.12	5.6	5.1	6.3	5.6
June	28.574	28.930	28.268	62.0	74.3	74.4	78.5	56.6	67.6	95	45	56	56	58	82	54	59	.463	.464	.504	2.64	.84	5.0	4.7	3.0	4.9
July	28.634	28.900	28.202	62.4	76.0	76.8	81.1	58.9	70.0	93	49	59	60	62	88	60	61	.499	.530	.563	6.36	2.37	5.5	4.6	4.5	5.5
August	28.574	28.840	28.256	62.4	78.3	78.1	82.8	60.4	71.6	92	46	58	59	62	86	54	59	.496	.517	.567	2.73	.64	5.3	2.7	3.3	4.3
September	28.716	29.030	28.420	44.3	64.9	61.8	68.8	42.5	55.6	89	24	39	40	40	82	42	47	.246	.251	.258	.28	.14	5.0	4.2	4.2	4.8
October	28.640	28.960	28.060	41.7	58.2	54.9	62.8	38.9	50.8	86	24	36	37	36	80	49	53	.219	.234	.218	1.34	.61	5.5	4.6	5.0	5.0
November	28.612	29.286	28.064	29.1	40.1	36.9	43.9	25.1	34.5	68	5	26	29	29	88	66	74	.153	.167	.170	1.74	.81	4.4	4.9	5.0	5.5
December	28.640	29.110	28.190	21.3	29.1	25.0	33.7	16.5	25.1	60	−14	18	21	20	88	74	81	.107	.119	.112	.91	.41	6.5	6.5	4.9	6.3
Year	28.611	29.540	27.900	37.5	50.9	49.8	56.0	33.7	44.9	95	−28	32	35	36	84	58	63	.242	.255	.269	24.03	2.37	5.2	4.8	4.7	5.1

Annual meteorological summary for the year ending December 31, 1918—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.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. 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.	42	SW.	1	9	19	15	6	1	4	2	2	4	4	17	10	18	14	0	0	0	0	0	0	0	5	0
February...	9.2	NE.	43	SW.	1	5	19	14	1	4	5	0	3	5	7	13	8	13	11	0	0	0	0	0	0	0	1	0
March.....	8.0	NE.	33	NE.	0	2	33	19	3	0	0	2	0	3	9	6	16	15	14	0	0	0	0	0	0	0	1	0
April.....	9.9	NE.	40	NE.	1	1	34	12	4	2	1	2	0	4	3	3	24	12	9	0	0	0	0	0	0	0	1	0
May.....	8.1	NE.	28	NE.	0	2	29	24	0	0	4	2	0	1	10	10	11	5	5	0	0	0	0	0	0	0	1	0
June.....	8.7	NE.	26	NE.	0	2	36	13	5	1	2	1	0	0	8	19	3	10	5	0	0	0	0	0	0	0	0	0
July.....	9.5	E.	26	NE.	0	1	27	32	2	0	0	0	0	0	10	16	5	12	6	0	0	0	0	0	0	0	0	0
August.....	8.3	NE.	26	E.	0	1	37	18	3	2	0	0	1	0	9	15	7	13	12	0	0	0	0	0	0	0	1	0
September..	7.3	E.	22	E.	0	1	16	37	2	0	1	1	0	2	14	11	5	5	3	0	0	0	0	0	0	0	0	0
October....	8.7	E.	29	NE.	0	1	27	33	0	0	0	0	0	1	11	18	2	14	8	0	0	0	0	0	0	0	0	0
November..	9.4	E.	39	S.	0	4	21	27	2	1	3	0	1	1	11	10	9	10	5	0	0	0	0	0	0	0	1	0
December..	10.9	E.	53	NE.	1	1	26	31	3	0	1	0	0	0	19	10	2	18	9	0	0	0	0	0	0	0	1	0
Year..	8.8	NE.	53	NE.	4	30	324	275	31	11	21	10	7	21	115	148	102	145	101	0	0	0	0	0	0	0	12	0

HOUGHTON, MICH.

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

January....	9.8	W.	35	NW.	0	3	1	6	2	0	1	8	7	3	4	7	20	21	18	24	21	0	0	31	0	31	0	0
February...	10.4	W.	42	W.	1	2	1	7	0	0	2	8	6	2	1	7	20	14	7	21	14	0	0	23	0	27	0	0
March.....	11.0	E.	54	W.	3	0	4	12	0	0	2	10	0	3	9	13	9	6	3	6	4	0	0	8	0	28	1	2
April.....	10.7	E.	46	W.	1	0	2	17	0	1	1	5	3	1	13	8	9	10	6	7	5	0	2	3	0	23	1	0
May.....	10.8	E.	42	W.	2	2	1	12	2	3	0	5	3	3	5	11	15	16	14	0	0	0	4	0	0	2	6	0
June.....	10.7	E.	52	SW.	4	0	0	11	1	1	6	8	3	0	7	12	11	10	5	0	0	0	1	0	0	0	3	0
July.....	9.0	E.	45	W.	1	2	0	12	0	3	0	11	3	0	10	14	7	6	6	0	0	0	2	0	0	1	4	1
August.....	9.5	E.	36	NW.	0	0	0	14	3	1	1	11	1	0	12	11	8	12	10	0	0	0	1	0	0	0	5	3
September..	9.0	W.	37	NW.	0	2	2	7	0	1	2	9	6	1	5	16	9	14	12	1	0	1	4	0	0	0	1	0
October....	9.4	E.	44	E.	2	1	6	10	2	1	1	6	4	0	8	5	18	16	12	2	2	0	2	0	0	1	2	0
November..	11.0	E.	40	NW.	2	3	2	11	0	1	2	4	7	0	4	6	20	14	11	13	7	0	2	4	0	18	1	0
December..	8.7	E.	37	E.	0	3	3	12	3	0	2	3	4	1	1	1	29	18	11	18	16	0	3	17	0	28	0	1
Year..	10.0	E.	54	W.	16	18	22	131	13	12	20	88	47	14	79	111	175	157	115	92	69	1	21	86	1	158	24	7

HOUSTON, TEX.

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

January....	9.8	NW.	32	NW.	0	7	1	4	2	6	0	2	9	0	18	5	8	9	5	2	1	0	0	1	0	9	1	0
February...	9.3	SE.	32	SE.	0	6	4	2	7	4	3	1	1	0	8	5	15	8	5	0	0	0	5	0	0	2	1	0
March.....	8.2	S.	32	NW.	0	7	3	3	4	7	2	2	3	0	15	12	4	5	4	0	0	0	1	0	0	0	3	0
April.....	9.7	SE.	31	N.	0	3	4	3	10	6	0	1	3	0	8	12	10	11	7	0	0	0	1	0	0	0	5	0
May.....	10.4	SE.	30	SE.	0	1	6	1	19	4	0	0	0	0	3	23	5	5	4	0	0	0	1	0	0	0	2	0
June.....	6.9	SE.	30	E.	0	1	3	0	7	8	2	4	5	0	11	15	4	5	5	0	0	0	0	0	23	0	9	0
July.....	6.7	SE.	28	E.	0	3	4	1	4	6	4	4	5	0	16	13	2	6	5	0	0	0	0	0	28	0	9	0
August.....	6.6	SE.	26	SE.	0	1	1	2	10	7	7	3	0	0	10	14	7	9	7	0	0	0	0	0	26	0	11	0
September..	7.0	SE.	25	SE.	0	8	7	2	4	4	1	0	4	0	14	14	2	4	3	0	0	0	1	0	12	0	2	0
October....	6.5	NW.	34	W.	0	10	7	3	3	1	0	2	5	0	9	12	10	11	8	0	0	0	1	0	0	0	7	0
November..	8.9	SE.	31	SE.	0	5	9	4	4	1	3	0	4	0	10	4	16	12	10	0	0	0	1	0	0	0	2	0
December..	8.6	NW.	37	SE.	0	4	1	4	4	5	3	3	7	0	11	7	13	8	7	1	0	0	0	0	0	2	2	0
Year..	8.2	SE.	37	SE.	0	56	50	29	78	59	25	22	46	0	133	136	96	93	70	3	1	2	10	1	89	13	54	0

HURON, S. DAK.

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

January....	12.7	NW.	48	NW.	1	7	1	2	6	6	4	8	30	0	10	11	10	13	7	23	13	0	0	26	0	31	0	0
February...	11.4	NW.	40	NW.	2	9	1	0	11	9	5	9	12	0	15	9	4	5	2	10	5	0	1	12	0	28	0	5
March.....	11.7	SE.	39	NE.	0	6	7	3	19	6	3	5	13	0	12	10	9	4	4	5	3	0	0	3	0	17	0	1
April.....	14.9	SE.	48	W.	3	13	4	1	19	5	2	5	11	0	8	10	12	9	7	4	4	0	1	0	0	18	1	1
May.....	12.7	SE.	68	NE.	5	8	6	4	17	4	4	7	12	0	9	14	8	13	8	0	0	3	3	0	0	0	9	0
June.....	9.8	SE.	42	W.	1	5	8	7	16	2	6	5	11	0	10	15	5	13	8	0	0	1	0	0	3	0	10	0
July.....	8.8	SE.	37	NW.	0	14	6	2	21	6	3	5	5	0	8	15	8	10	9	0	0	0	1	0	4	0	11	0
August.....	8.9	SE.	48	NW.	1	7	5	3	21	9	1	5	11	0	13	15	3	11	8	0	0	1	0	0	5	0	8	2
September..	8.6	SE.	36	N.	0	15	10	4	12	7	1	4	7	0	12	11	7	3	2	0	0	0	2	0	0	3	0	1
October....	10.2	NW.	40	SW.	1	6	8	5	11	8	4	5	15	0	11	11	9	8	5	2	1	0	1	0	0	8	2	1
November..	11.6	NW.	44	NW.	1	4	1	2	16	4	8	7	18	0	12	6	12	7	5	7	4	0	4	3	0	23	2	1
December..	10.7	NW.	38	NW.	0	11	4	4	8	4	4	7	19	1	4	16	11	10	6	17	8	0	0	13	0	31	0	2
Year..	11.0	SE.	68	NE.	14	105	61	37	177	70	45	70	164	1	124	143	98	106	71	68	38	5	13	57	12	159	43	14

Annual meteorological summary for the year ending December 31, 1918—Continued.

INDEPENDENCE, CALIF.

[ϕ=36° 48′ N.; λ=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.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°		°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	25.995	26.340	25.621	33.6	....	49.0	56.5	30.0	43.2	71	20	17	....	16	49	....	27	0.093	.....	0.093	0.06	0.06	1.5	....	2.2	2.1
February	25.977	26.435	25.443	33.8	....	49.5	54.4	29.3	41.8	71	14	18	....	18	52	....	34	.101	.....	.110	.77	.62	3.4	....	4.2	4.2
March	25.975	26.350	25.517	41.2	62.7	58.5	61.6	37.7	49.6	77	27	28	26	28	61	28	36	.152	0.143	.154	1.02	.40	3.0	3.5	3.9	3.8
April	25.901	26.250	25.510	46.5	67.5	67.9	71.5	42.6	57.0	81	27	23	21	21	40	17	16	.121	.112	.111	.00	.00	1.5	1.9	2.6	2.2
May	25.873	26.170	25.690	48.0	71.2	70.4	74.9	46.0	60.4	88	34	26	27	27	45	21	23	.142	.151	.150	.18	.16	1.2	3.6	4.1	3.5
June	25.930	26.090	25.722	64.7	89.4	87.9	92.3	63.0	77.6	101	52	41	38	40	44	18	22	.272	.241	.265	.13	.06	2.6	3.7	4.8	3.9
July	25.942	26.070	25.752	62.5	87.6	87.9	90.9	60.9	75.9	97	53	38	34	34	42	15	16	.237	.202	.206	.04	.02	2.2	2.6	3.4	2.6
August	25.957	26.140	25.753	60.0	85.4	85.1	88.4	57.9	73.2	100	46	36	35	37	44	18	20	.225	.216	.230	.05	.04	1.0	2.0	2.8	2.2
September	25.959	26.160	25.742	56.5	79.8	78.6	82.7	54.1	68.4	91	47	36	35	34	49	24	25	.225	.218	.215	.40	.18	2.1	3.0	2.9	2.8
October	26.012	26.190	25.828	49.2	71.1	66.9	73.9	46.3	60.1	84	32	34	34	35	59	28	33	.211	.210	.220	.35	.34	0.8	2.5	3.5	2.7
November	25.997	26.390	25.620	37.5	55.9	50.4	58.9	33.6	46.2	75	23	21	20	20	49	25	30	.113	.113	.108	T.	T.	2.2	2.7	3.9	2.4
December	26.027	26.360	25.630	31.5	46.9	41.9	50.9	27.7	39.3	66	18	18	18	20	56	32	43	.096	.100	.112	1.02	1.01	2.1	2.2	3.4	2.6
Year	25.962	26.435	25.443	47.1	....	66.2	71.4	44.1	57.7	101	14	28	....	28	49	....	27	.166	.....	.164	4.02	1.01	2.0	....	3.5	3.0

INDIANAPOLIS, IND.

[ϕ=39° 46′ N.; λ=86° 10′ W.]

January	29.023	29.540	28.278	10.9	18.4	17.4	22.5	6.7	14.6	43	−19	8	10	11	86	68	72	0.066	0.073	0.070	2.89	0.87	6.1	5.4	7.6	6.2
February	29.170	29.940	28.270	27.4	34.2	34.1	41.4	22.4	31.9	64	− 8	23	24	25	82	67	70	.140	.156	.153	2.49	.84	4.9	5.9	5.5	5.8
March	29.160	29.670	28.480	40.0	51.7	51.5	58.8	36.0	47.4	78	20	31	32	34	70	50	53	.184	.198	.208	1.58	.63	4.7	4.9	3.5	4.5
April	29.102	29.620	28.550	44.1	52.9	51.4	57.3	40.5	48.9	78	24	36	36	38	75	56	62	.229	.230	.240	5.36	1.83	7.2	7.4	7.1	7.4
May	29.158	29.528	28.570	63.2	74.3	71.7	78.8	58.8	68.8	90	35	54	53	55	72	50	57	.435	.429	.452	3.85	1.55	5.4	5.6	5.8	4.8
June	29.080	29.360	28.760	67.0	77.6	75.5	81.7	60.6	71.2	94	44	54	55	53	64	48	49	.436	.456	.434	3.11	1.76	5.5	5.3	5.1	4.9
July	29.168	29.380	28.983	67.7	79.2	76.9	82.5	63.5	73.0	93	53	57	55	59	70	45	56	.488	.453	.514	2.44	1.59	4.1	5.3	6.6	4.9
August	29.146	29.377	28.916	73.0	83.2	81.2	86.7	70.0	78.4	103	61	64	64	65	74	55	60	.598	.601	.628	2.24	.74	5.7	6.2	5.9	6.0
September	29.196	29.560	28.864	54.2	65.7	62.4	68.7	50.8	59.8	86	39	47	47	48	78	53	62	.335	.335	.354	5.14	2.13	5.2	5.7	5.0	5.4
October	29.183	29.483	28.680	53.1	63.1	60.1	66.4	50.2	58.3	84	37	47	49	49	81	62	69	.335	.359	.360	2.75	1.16	6.4	6.7	5.3	6.7
November	29.181	29.550	28.410	39.1	46.7	44.8	49.9	36.4	43.2	69	23	33	34	35	79	64	68	.198	.207	.210	1.73	.52	6.4	6.0	4.9	6.3
December	29.155	29.600	28.600	37.7	42.7	41.8	46.6	34.0	40.3	65	19	34	36	36	87	77	81	.215	.227	.224	6.19	1.63	7.6	7.4	7.5	7.5
Year	29.144	29.940	28.270	48.1	57.5	55.7	61.8	44.2	53.0	103	−19	41	41	42	76	58	63	.305	.310	.321	39.77	2.13	5.8	6.0	5.8	5.9

IOLA, KANS.

[ϕ=37° 55′ N.; λ=95° 25′ W.]

January	28.942	29.470	28.500	12.3	18.3	....	27.4	7.8	17.6	55	−18	10	13	....	88	79	....	0.073	0.081	.....	0.90	0.31	5.4	5.2	....	5.3
February	28.985	29.760	28.260	28.5	39.2	37.6	47.9	21.6	34.8	76	− 8	24	26	....	82	62	....	.146	.158	.....	.91	.98	3.3	4.4	....	4.5
March	28.952	29.530	28.330	41.1	57.6	56.4	64.3	37.7	51.0	85	20	34	36	....	77	48	....	.203	.221	.....	1.96	.83	4.6	3.7	....	4.5
April	28.894	29.500	28.450	43.1	55.6	56.9	62.4	41.0	51.7	87	28	38	39	....	81	57	....	.231	.247	.....	4.60	1.21	4.8	5.2	....	5.1
May	28.895	29.350	28.400	62.8	74.8	72.8	79.4	58.3	68.8	88	34	56	59	....	80	60	....	.476	.519	.....	4.91	2.33	5.7	5.7	....	5.5
June	28.900	29.150	28.540	71.3	86.9	85.7	91.4	66.9	79.2	105	57	64	63	....	78	47	....	.600	.587	.....	2.54	1.41	5.0	3.8	....	3.7
July	28.987	29.140	28.749	70.2	86.6	84.5	91.7	66.1	78.9	103	54	61	60	....	74	42	....	.548	.516	.....	2.48	1.11	5.6	4.3	....	4.4
August	28.934	29.100	28.730	73.3	91.9	87.9	97.2	70.4	83.8	107	52	63	63	....	71	40	....	.576	.577	.....	1.50	.49	4.8	3.9	....	4.1
September	28.026	29.346	28.630	54.1	72.1	66.9	76.3	51.4	63.8	91	35	50	53	....	86	52	....	.371	.420	.....	3.51	1.48	4.3	4.4	....	4.5
October	28.957	29.240	28.420	53.4	68.0	62.7	71.7	51.4	61.6	91	31	50	53	....	90	62	....	.377	.416	.....	5.08	2.36	6.1	6.5	....	6.4
November	29.016	29.470	28.386	39.3	50.6	46.0	54.1	37.0	45.6	74	23	35	38	....	86	63	....	.221	.253	.....	2.89	1.76	5.8	4.3	....	5.3
December	28.974	29.250	28.580	32.4	42.7	39.4	48.1	29.5	38.8	70	0	30	33	....	88	70	....	.176	.201	.....	3.22	1.01	4.7	5.8	....	5.6
Year	28.955	29.760	28.260	48.5	62.0	....	67.7	44.9	56.3	107	−18	43	45	....	82	57	....	.333	.350	.....	34.50	2.36	5.0	4.8	....	4.9

JACKSONVILLE, FLA.

[ϕ=30° 20′ N.; λ=81° 39′ W.]

January	29.968	30.310	29.301	43.1	52.5	52.0	60.1	40.0	50.0	79	21	37	38	41	80	59	67	0.253	0.264	0.286	2.78	0.73	3.4	4.5	3.5	4.1
February	30.132	30.440	29.800	56.3	67.3	62.4	71.2	54.5	62.8	83	34	51	53	54	85	62	74	.405	.437	.431	.21	.10	5.0	4.6	3.4	4.8
March	30.013	30.430	29.780	61.8	71.8	66.0	75.5	59.6	67.6	83	54	57	56	56	87	60	74	.484	.463	.463	2.31	.80	4.6	5.5	3.4	5.2
April	29.936	30.160	29.720	63.0	70.9	66.6	74.5	59.6	67.0	86	42	57	55	57	80	58	72	.479	.457	.452	3.96	1.78	3.9	5.2	4.9	5.1
May	30.082	30.310	29.870	72.4	79.0	72.9	81.1	67.4	74.2	89	58	65	61	63	78	55	73	.621	.547	.580	2.50	2.26	2.5	4.1	2.3	3.2
June	29.902	30.126	29.650	77.3	84.8	77.8	87.0	72.6	79.8	94	68	71	68	70	81	59	79	.760	.696	.747	3.32	1.21	3.9	5.3	5.1	5.1
July	29.980	30.200	29.800	76.3	83.7	78.8	85.8	72.2	79.0	93	69	70	68	70	80	60	74	.730	.691	.725	5.36	1.69	4.0	5.0	4.3	4.8
August	30.024	30.167	29.850	78.0	86.8	79.8	89.5	73.0	81.2	96	66	72	69	72	82	57	78	.787	.719	.782	3.12	.88	2.3	3.5	4.5	3.8
September	29.955	30.190	29.690	72.3	80.7	75.1	82.6	68.9	75.8	91	56	68	66	68	86	62	80	.683	.640	.700	6.17	1.57	3.1	5.5	4.4	5.1
October	29.992	30.170	29.810	72.3	77.6	73.5	79.4	69.6	74.5	88	57	69	67	69	90	72	86	.715	.678	.716	3.97	1.36	5.9	7.2	4.6	6.9
November	30.032	30.270	29.740	55.2	65.5	61.1	68.2	52.7	60.4	78	42	50	52	54	83	65	80	.373	.404	.432	3.26	1.49	3.5	3.9	3.5	4.1
December	30.094	30.320	29.770	54.2	61.1	58.8	64.7	51.6	58.2	77	34	50	51	52	85	72	80	.381	.407	.412	2.60	1.53	5.9	6.3	5.5	6.9
Year	30.009	30.440	29.301	65.2	73.5	68.7	76.6	61.8	69.2	96	21	60	59	60	83	62	76	.556	.534	.564	39.55	2.28	4.0	5.0	4.1	4.9

Annual meteorological summary for the year ending December 31, 1918—Continued.

INDEPENDENCE, CALIF.

[H_b=3,957 ft.; h_t=9 ft.; h_r=4 ft.; h_a=41 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.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. 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.	....	.....	....	6	1	0	0	4	8	10	26	7	23	4	4	1	1	1	0	0	0	0	0	23	0	0
February	.....	N.	....	.....	....	14	4	3	1	8	8	11	5	2	15	6	7	6	4	3	3	0	0	0	0	18	0	0
March	.....	S.	....	.....	....	13	2	1	2	15	7	7	5	10	17	5	9	6	6	1	1	0	0	0	0	8	0	0
April	.....	NW.	....	.....	....	6	0	2	7	4	0	17	20	4	22	6	2	0	0	0	0	0	0	0	0	4	0	0
May	7.1	NW.	20	W.	0	10	1	1	5	9	5	10	19	2	20	5	6	2	2	0	0	0	0	0	0	0	2	0
June	5.9	NW.	26	SE.	0	1	1	1	12	9	3	7	26	0	14	8	8	5	1	0	0	0	0	0	19	0	6	0
July	6.4	SE.	24	SE.	0	2	0	2	15	17	6	10	10	0	20	8	3	3	0	0	0	0	0	0	19	0	3	0
August	5.9	SE.	26	SE.	0	5	2	3	19	7	4	8	14	0	21	9	1	2	1	0	0	0	0	0	13	0	5	0
September	5.5	NW.	30	SE.	0	2	2	3	17	10	3	7	16	0	21	4	5	5	3	0	0	0	0	0	3	0	2	0
October	5.4	NW.	27	NW.	0	1	0	1	17	5	2	6	27	3	19	10	2	2	1	0	0	0	0	0	0	1	3	0
November	6.5	NW.	32	NW.	0	3	2	0	12	9	2	3	28	1	16	9	5	0	0	0	0	0	0	0	0	13	0	0
December	7.0	NW.	27	NW.	0	3	1	3	3	3	2	4	41	2	22	7	2	3	2	3	1	0	0	0	0	28	0	0
Year	.....	NW.	....	.....	....	66	16	20	110	100	50	100	237	31	230	81	54	35	23	8	5	0	0	0	54	95	21	0

INDIANAPOLIS, IND.

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

January	13.5	W.	46	W.	1	2	11	2	7	3	20	14	3	0	7	12	12	12	10	22	9	0	2	27	0	31	0	0
February	15.0	SW.	71	S.	5	2	3	3	6	12	12	10	8	0	9	7	12	8	7	8	0	1	3	8	0	20	3	0
March	13.0	SW.	66	W.	4	5	10	4	7	9	16	3	8	0	13	8	10	8	7	4	0	0	2	0	0	11	3	1
April	14.7	NE.	44	SW.	2	4	16	11	8	5	6	5	5	0	4	4	22	12	11	1	1	2	2	0	0	4	5	0
May	12.3	SW.	46	W.	1	3	4	3	8	13	26	4	1	0	13	12	6	13	7	0	0	2	0	0	0	0	12	0
June	10.4	SW.	43	NW.	1	9	9	3	6	12	13	5	3	0	11	11	8	9	8	0	0	0	1	0	1	0	8	0
July	9.3	NE.	37	N.	0	11	12	6	3	9	9	7	5	0	14	12	5	8	7	0	0	0	1	0	7	0	8	0
August	9.0	SW.	44	NW.	1	2	6	10	5	11	22	3	3	0	6	15	10	14	11	0	0	1	0	0	11	0	10	0
September	9.2	S.	34	W.	0	8	8	2	4	8	16	3	11	0	8	14	8	10	8	0	0	1	2	0	0	0	1	0
October	11.8	S.	44	S.	1	6	7	7	11	10	11	4	6	0	7	8	16	10	7	0	0	0	0	0	0	0	1	0
November	12.7	W.	42	SW.	1	3	3	3	5	16	9	15	6	0	9	5	16	7	7	1	0	0	0	1	0	10	1	0
December	12.4	S.	40	S.	1	4	5	3	11	15	10	10	4	0	5	7	19	15	13	6	3	0	3	4	0	11	1	0
Year	11.9	SW.	71	S.	18	59	94	57	81	123	170	83	63	0	106	115	144	126	103	42	13	7	16	40	19	87	53	1

IOLA, KANS.

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

January	7.8	N.	30	N.	0	7	5	0	0	1	6	7	5	0	13	5	13	7	5	10	6	0	0	21	0	31	0	0
February	9.6	N.	58	NE.	1	7	2	2	1	5	6	2	3	0	13	10	5	3	2	1	0	1	0	8	0	20	1	0
March	8.1	S.	40	W.	1	10	3	3	1	7	5	1	1	0	15	9	7	7	7	0	0	0	0	0	0	8	2	1
April	8.8	NE.	31	SE.	0	3	10	3	5	0	1	3	5	0	12	7	11	12	12	1	1	0	0	0	0	3	6	0
May	9.0	S.	37	SW.	0	2	3	2	2	16	5	0	1	0	8	14	9	13	11	0	0	1	0	0	0	0	12	0
June	5.4	SW.	32	NW.	0	4	7	1	2	6	8	2	0	0	17	10	3	3	3	0	0	0	0	0	18	0	4	0
July	5.5	S.	20	S.	0	2	4	4	8	7	3	2	0	1	13	13	5	6	6	0	0	0	0	0	20	0	5	0
August	6.4	S.	24	SW.	0	2	3	2	4	12	6	0	2	0	14	15	2	9	8	0	0	0	0	0	28	0	7	0
September	6.3	N.	25	N.	0	7	5	1	7	4	1	4	1	0	12	13	5	9	9	0	0	0	0	0	2	0	7	0
October	5.6	SE.	27	N.	0	4	4	9	2	5	1	1	5	0	6	11	14	10	10	0	0	0	0	0	2	1	3	0
November	7.7	S.	29	NW.	0	5	4	1	6	5	1	3	5	0	13	5	12	6	5	5	2	0	0	0	0	13	1	0
December	7.3	S.	22	NE.	0	2	2	5	3	7	4	4	4	0	10	9	12	6	6	2	1	0	0	6	0	16	0	0
Year	7.3	S.	58	NE.	2	55	52	33	41	75	47	29	32	1	146	121	98	91	84	19	10	2	0	35	70	92	48	1

JACKSONVILLE, FLA.

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

January	13.7	SW.	59	SW.	5	5	5	1	9	9	15	11	7	0	16	7	8	10	9	0	0	0	5	0	0	8	3	0
February	12.4	SW.	39	SW.	0	7	9	5	9	4	13	3	6	0	9	12	7	5	2	0	0	0	5	0	0	0	1	0
March	12.1	SW.	37	NE.	0	3	14	7	9	2	15	7	5	0	11	10	10	10	6	0	0	0	3	0	0	0	5	0
April	12.6	SW.	58	W.	3	4	6	7	13	9	11	6	4	0	10	13	7	12	10	0	0	1	0	0	0	0	8	0
May	11.8	SE.	42	NE.	1	1	15	12	18	8	5	2	1	0	18	11	2	4	4	0	0	0	0	0	0	0	4	0
June	10.9	SW.	52	NW.	2	2	11	6	16	4	14	4	3	0	8	16	6	13	12	0	0	0	0	0	11	0	13	0
July	11.3	SW.	48	SW.	1	6	13	5	5	7	20	2	3	1	14	10	7	12	10	0	0	0	0	0	6	0	12	0
August	10.4	SW.	49	W.	2	7	6	2	19	4	16	3	5	0	17	11	3	14	10	0	0	0	0	0	16	0	15	0
September	10.6	NE.	32	SW.	0	16	19	4	9	3	5	2	2	0	9	16	5	14	10	0	0	0	1	0	1	0	5	0
October	12.4	NE.	38	SE.	0	6	21	13	10	3	3	3	3	0	5	10	16	13	11	0	0	0	4	0	0	0	3	0
November	13.1	N.	37	SW.	0	24	12	2	2	4	5	4	7	0	16	3	11	7	7	0	0	0	0	0	0	0	0	0
December	12.5	W.	36	SW.	0	7	10	3	7	5	10	10	10	0	8	5	18	10	8	0	0	0	2	0	0	0	1	0
Year	12.0	NE.	59	SW.	14	88	141	67	126	82	132	57	56	1	141	124	100	124	99	0	0	1	20	0	34	8	70	0

Annual meteorological summary for the year ending December 31, 1918—Continued.

JUNEAU, ALASKA.

[ϕ=58° 18′ N.; λ=134° 24′ W.]

Month.	Pressure.			Temperature.								Moisture.													
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	29.750	30.530	29.030	29.9	32.0	30.4	33.7	26.5	30.1	46	10	24	26	25	80	78	81	0.140	0.146	0.142	8.63	1.98	8.7	9.0	8.7	9.0
February	29.661	30.450	28.643	25.5	30.5	27.9	32.4	22.5	27.4	37	7	20	22	21	78	70	73	.111	.119	.115	5.79	1.13	7.2	7.1	6.8	7.0
March	29.678	30.430	28.914	26.3	30.2	27.2	32.4	22.7	27.6	41	9	20	21	20	74	68	73	.114	.119	.114	4.34	1.07	8.1	7.4	6.2	7.6
April	29.944	30.560	29.020	36.4	40.9	37.6	42.8	32.7	37.8	50	19	31	32	32	81	70	80	.175	.177	.180	5.91	1.62	9.8	9.7	9.4	9.3
May	29.950	30.340	29.400	44.7	52.5	47.1	54.8	36.8	45.8	68	31	37	37	36	76	56	66	.222	.222	.212	5.59	1.50	5.5	5.7	6.2	5.6
June	29.946	30.238	29.361	53.4	59.8	55.2	62.3	45.6	54.0	77	39	46	45	45	76	62	71	.305	.306	.299	3.83	1.49	6.8	6.4	7.0	6.5
July	29.942	30.217	29.739	57.9	65.8	61.2	69.3	50.1	59.7	83	41	51	52	51	80	65	73	.379	.394	.380	2.30	.63	5.5	5.7	5.8	5.6
August	29.891	30.283	29.410	52.4	57.6	54.1	59.6	49.2	54.4	73	45	50	52	51	93	84	92	.362	.391	.380	11.53	1.55	9.1	8.6	8.4	8.8
September	30.001	30.340	29.500	47.6	57.9	50.6	60.3	44.0	52.2	73	34	45	49	48	92	74	90	.306	.352	.331	12.39	5.54	7.0	6.3	5.6	6.5
October	29.604	30.013	29.800	41.1	44.4	42.5	45.3	38.5	42.4	58	28	38	39	39	89	82	87	.237	.243	.241	13.95	1.97	9.5	9.5	9.7	9.8
November	29.560	30.240	28.811	37.1	39.6	37.5	41.8	33.2	37.5	51	23	33	34	33	84	80	84	.186	.194	.190	15.01	3.98	8.6	9.0	8.1	9.0
December	29.657	30.530	28.822	31.3	32.7	31.8	35.1	28.0	31.6	46	12	27	28	28	83	80	83	.154	.155	.155	10.33	1.29	8.5	8.5	8.3	8.5
Year	29.799	30.560	28.643	40.3	45.3	41.9	47.6	35.8	41.7	83	7	35	36	36	82	72	79	.224	.235	.228	99.60	5.54	7.9	7.7	7.5	7.8

KALISPELL, MONT.

[ϕ=48° 10′ N.; λ=114° 25′ W.]

January	26.925	27.330	26.300	19.4	22.6	24.6	28.7	15.0	21.8	45	−26	18	20	21	91	87	87	0.106	0.116	0.125	1.82	0.25	7.7	8.2	8.2	7.9
February	26.878	27.320	26.398	16.5	25.2	26.7	30.5	12.9	21.7	54	−18	12	18	18	82	73	69	.085	.107	.105	.90	.28	7.4	6.5	7.4	6.3
March	26.853	27.420	26.430	29.9	41.7	42.0	45.5	26.7	36.1	59	6	25	27	28	79	57	60	.132	.148	.157	.76	.17	5.5	7.1	7.6	6.5
April	26.916	27.450	26.480	33.4	48.8	51.5	54.3	30.8	42.6	70	17	26	27	26	74	44	37	.141	.147	.139	.63	.34	5.4	5.3	4.9	4.6
May	26.861	27.090	26.613	39.0	54.9	56.5	60.2	36.4	48.3	78	25	30	29	28	72	40	38	.171	.164	.157	.43	.19	5.9	6.5	6.8	5.7
June	26.909	27.140	26.610	49.4	71.6	74.0	76.9	47.5	62.2	95	31	41	38	38	73	33	30	.261	.246	.245	.58	.22	3.3	5.0	4.6	4.3
July	26.933	27.140	26.664	52.5	72.6	76.0	78.5	50.9	64.7	92	39	43	42	43	73	38	36	.289	.281	.288	1.47	.83	4.1	5.0	6.0	5.0
August	26.938	27.160	26.670	49.2	68.4	69.3	72.4	47.8	60.1	90	36	44	46	44	84	46	45	.291	.314	.297	.96	.27	4.1	5.5	5.6	5.5
September	27.018	27.280	26.710	44.9	65.1	66.6	70.3	43.3	56.8	80	35	38	41	42	77	45	44	.231	.263	.268	1.59	.68	2.8	3.8	4.2	3.9
October	26.955	27.230	26.360	40.4	52.1	52.0	56.4	37.6	47.0	72	26	36	38	38	85	60	61	.219	.239	.241	.91	.34	6.2	6.8	6.2	7.0
November	26.959	27.380	26.260	28.9	36.9	35.8	40.4	25.2	32.8	50	7	24	26	26	82	64	67	.130	.140	.142	.23	.17	6.3	6.6	5.1	6.6
December	26.983	27.339	26.463	26.7	30.7	30.0	33.9	22.3	28.1	58	− 6	21	22	23	79	72	74	.115	.123	.127	.87	.63	6.9	7.9	7.3	7.8
Year	26.928	27.450	26.260	35.8	49.2	50.4	54.0	33.0	43.5	95	−26	30	31	31	79	55	54	.181	.191	.191	11.15	.83	5.5	6.2	6.2	5.9

KANSAS CITY, MO.

[ϕ=39° 05′ N.; λ=94° 37′ W.]

January	28.948	29.530	28.550	13.8	19.8	20.6	25.4	9.3	17.4	51	−16	9	10	12	78	65	68	0.068	0.073	0.082	0.94	0.34	4.8	5.2	4.1	5.1
February	29.002	29.850	28.200	29.0	37.2	37.3	45.6	22.3	34.0	69	− 9	19	20	21	66	51	53	.122	.126	.132	1.53	1.32	4.5	3.1	3.0	3.8
March	28.959	29.540	28.288	43.0	56.2	56.9	62.4	39.1	50.8	82	19	30	30	30	62	40	41	.176	.174	.178	.48	.45	3.6	2.6	4.0	3.1
April	28.933	29.550	28.470	42.2	52.7	54.1	58.0	40.6	49.3	78	31	33	32	32	71	49	48	.194	.190	.193	2.87	.66	5.0	4.8	5.1	4.9
May	28.896	29.350	28.320	63.3	74.7	73.6	78.6	59.6	69.1	89	44	53	53	53	70	50	51	.426	.437	.428	3.77	1.51	4.9	4.6	4.4	4.3
June	28.902	29.210	28.550	71.9	86.0	85.2	90.2	69.7	80.0	103	58	60	57	58	67	39	44	.534	.481	.512	1.50	1.24	4.2	3.4	2.7	3.1
July	28.991	29.190	28.799	72.0	83.9	85.5	89.0	68.5	78.8	102	60	58	56	56	63	40	39	.493	.450	.453	1.82	.51	4.5	3.7	2.7	3.7
August	28.931	29.130	28.751	75.2	89.5	88.4	94.7	72.8	83.8	108	55	61	59	59	65	39	42	.551	.514	.523	2.45	.77	3.9	3.6	3.8	3.5
September	29.046	29.380	28.701	56.1	69.1	67.5	73.2	54.4	63.8	87	40	47	46	48	72	46	52	.335	.339	.354	7.29	4.41	3.3	2.9	3.4	3.5
October	28.981	29.290	28.400	54.7	67.7	63.9	69.8	53.0	61.4	87	38	46	48	47	76	56	57	.328	.346	.340	4.00	3.14	5.3	5.3	4.7	4.9
November	29.020	29.510	28.370	41.1	49.4	47.0	52.2	38.9	45.6	73	23	34	35	36	76	59	66	.209	.220	.229	4.61	3.37	5.4	4.6	4.0	4.8
December	28.984	29.320	28.580	35.2	41.6	41.2	46.2	32.5	39.4	67	6	28	31	32	76	66	70	.162	.181	.187	2.98	1.10	4.6	5.7	5.4	5.8
Year	28.966	29.850	28.200	49.8	60.6	60.1	65.4	46.7	56.1	108	−16	40	40	40	70	50	53	.300	.294	.301	34.24	4.41	4.5	4.1	3.9	4.2

KEOKUK, IOWA.

[ϕ=40° 22′ N.; λ=91° 26′ W.]

January	29.298	29.910	28.883	8.3	14.8	15.5	20.7	4.1	12.4	41	−21	5	8	11	86	74	79	0.055	0.064	0.073	0.70	0.27	4.9	5.5	5.6	5.1
February	29.377	30.260	28.540	25.6	34.5	32.8	40.9	18.9	29.9	65	−13	21	22	23	82	62	68	.136	.142	.142	1.15	.75	4.1	3.9	5.0	4.5
March	29.357	29.960	28.600	39.0	53.3	52.2	60.2	35.1	47.6	83	17	30	32	30	70	48	48	.168	.186	.180	.16	.07	4.3	4.0	4.5	4.0
April	29.320	29.971	28.860	41.4	48.8	51.2	55.0	39.1	47.0	75	29	34	35	37	76	61	62	.205	.212	.227	2.66	1.08	5.6	6.1	5.6	5.3
May	29.294	29.724	28.630	62.2	72.1	71.9	77.3	58.4	67.8	88	37	53	54	57	74	57	62	.430	.455	.481	6.72	2.47	4.4	5.1	5.3	4.8
June	29.277	29.570	28.910	67.8	78.1	78.9	84.5	64.6	74.6	101	56	59	60	62	75	57	58	.515	.541	.569	3.90	2.61	4.8	3.2	2.8	3.3
July	29.369	29.620	29.225	69.6	81.5	81.6	86.4	66.0	76.2	97	55	61	62	60	75	53	50	.550	.563	.538	1.08	.45	3.1	3.7	3.6	3.1
August	29.308	29.550	29.049	72.7	86.4	85.7	91.7	69.8	80.8	108	55	64	66	65	75	53	53	.595	.639	.627	3.24	1.03	3.9	3.9	3.2	3.6
September	29.417	29.800	29.081	54.1	67.2	64.8	70.8	51.8	61.3	83	37	47	50	49	79	55	58	.338	.306	.358	1.77	.60	3.9	4.1	4.6	3.8
October	29.368	29.700	28.700	51.6	63.1	60.6	67.5	49.1	58.3	85	35	45	48	46	81	61	62	.312	.346	.322	2.16	.93	6.4	5.0	5.5	5.5
November	29.382	29.846	28.453	38.3	47.1	45.0	51.3	36.3	43.8	75	20	33	36	35	82	66	67	.200	.223	.216	2.91	1.38	5.7	4.7	4.4	4.6
December	29.367	29.760	28.960	33.6	41.1	38.8	45.2	30.4	37.8	66	6	29	31	31	83	68	74	.170	.181	.182	2.10	.98	6.3	6.8	5.5	5.8
Year	29.344	30.260	28.453	47.0	57.3	56.6	62.6	43.6	53.1	108	−21	40	42	42	78	60	62	.30	.326	.326	28.55	2.61	4.8	4.7	4.5	4.4

Annual meteorological summary for the year ending December 31, 1918—Continued.

JUNEAU, ALASKA.

[H_b=80 ft.; h_t=11 ft.; h_r=5 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.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. 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	4.4	SE.	27	NE.	0	6	8	7	23	6	4	5	0	3	2	2	27	24	19	23	19	0	0	12	0	23	0	0
February	4.4	SE.	25	SE.	0	5	15	7	10	4	1	8	2	4	5	6	17	18	17	20	18	0	0	10	0	27	0	2
March	6.1	NE.	28	NE.	0	1	22	9	8	8	1	11	1	1	5	5	21	18	15	23	17	0	0	12	0	28	0	0
April	3.9	SE.	17	SE.	0	2	11	13	10	7	5	8	3	1	0	3	27	20	17	13	7	0	0	0	0	12	0	0
May	3.7	S.	18	W.	0	5	4	12	12	11	4	10	3	1	12	5	14	15	13	0	0	0	0	0	0	3	0	0
June	3.7	S.	16	SE.	0	7	4	10	8	19	2	8	2	0	8	6	16	15	12	0	0	0	0	0	0	0	0	0
July	3.4	S.	15	W.	0	1	5	8	14	17	0	8	5	4	12	4	15	11	9	0	0	0	0	0	0	0	0	0
August	3.6	SE.	14	SE.	0	5	1	8	14	20	3	6	4	1	2	3	26	24	22	0	0	0	0	0	0	0	0	0
September	3.6	SE.	26	NE.	0	7	2	6	13	6	2	7	4	13	8	7	15	14	10	0	0	0	0	3	0	0	0	4
October	4.7	SE.	31	SE.	0	1	5	18	18	9	2	4	0	5	0	0	31	30	28	8	8	0	1	1	0	8	0	2
November	5.5	SE.	23	SE.	0	1	5	14	24	5	2	5	0	4	2	3	25	25	24	11	9	0	0	1	0	9	0	0
December	5.4	SE.	27	NE.	0	7	4	18	25	1	0	2	4	1	2	5	24	24	22	19	15	0	0	9	0	19	0	1
Year	4.4	SE.	31	SE.	0	48	86	130	179	113	26	82	28	38	58	49	258	238	208	117	93	0	4	45	0	129	0	9

KALISPELL, MONT.

[H_b=2,973 ft.; h_t=48ft.; h_r=40 ft.; h_a=56 ft.]

January	4.2	NW.	34	NE.	0	10	5	2	4	6	4	6	25	0	3	6	22	19	14	17	16	0	4	16	0	29	0	0
February	5.8	NW.	28	NE.	0	2	5	0	5	5	13	5	21	0	5	10	13	14	7	14	13	0	0	12	0	25	0	0
March	5.5	NW.	38	SW.	0	2	3	3	11	7	12	8	15	1	2	16	13	11	7	6	5	0	0	1	0	24	0	0
April	6.6	NW.	30	SW.	0	3	7	2	14	3	6	7	18	0	13	11	6	6	3	3	2	0	0	0	0	17	1	0
May	6.7	NW.	30	SW.	0	3	5	3	11	4	9	11	16	0	10	10	11	5	5	1	1	0	0	0	0	8	1	0
June	6.1	NW.	30	NW.	0	3	4	1	9	1	5	8	28	1	12	13	5	7	6	0	0	0	0	0	1	1	5	0
July	5.8	NW.	28	W.	0	0	4	3	14	1	3	7	30	0	10	18	3	9	8	0	0	0	0	0	3	0	2	0
August	5.4	NW.	27	SW.	0	4	1	3	15	2	5	6	26	0	9	11	11	14	8	0	0	0	0	0	1	0	4	0
September	5.0	NW.	28	NE.	0	0	4	4	12	6	1	6	27	0	17	6	7	4	4	0	0	0	0	0	0	0	1	0
October	4.8	NW.	24	NW.	0	4	2	1	5	9	12	8	20	1	5	9	17	11	8	3	0	0	0	0	0	9	2	0
November	4.7	NW.	24	SW.	0	1	6	0	4	4	9	7	28	1	7	8	15	3	2	2	1	0	0	5	0	25	0	2
December	4.5	NW.	32	W.	0	5	4	2	4	7	5	9	24	2	5	5	21	9	3	8	4	0	0	14	0	25	0	2
Year	5.4	NW.	38	SW.	0	37	50	24	108	55	84	88	278	6	98	123	144	112	75	54	42	0	4	48	5	163	16	4

KANSAS CITY, MO.

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

January	13.0	N.	44	NW.	2	13	5	3	3	6	7	14	11	0	12	10	9	7	6	15	7	0	0	23	0	31	0	0
February	14.6	SW.	53	NW.	3	8	4	4	6	11	12	2	9	0	15	8	5	5	4	4	1	0	0	8	0	19	2	0
March	12.6	S.	58	W.	2	11	8	4	8	15	11	0	5	0	18	10	3	5	1	1	1	0	1	0	0	7	1	1
April	13.6	NE.	55	E.	1	13	17	9	6	1	1	8	5	0	13	8	9	11	7	3	3	1	0	0	0	4	6	0
May	13.7	S.	52	W.	2	6	5	5	6	33	5	1	1	0	14	11	6	13	10	0	0	2	0	0	0	0	9	0
June	10.8	S.	35	N.	0	11	5	5	9	12	12	4	2	0	20	7	3	6	4	0	0	0	0	0	14	0	8	0
July	9.6	S.	31	N.	0	14	5	5	5	21	4	6	2	0	18	8	5	9	8	0	0	0	0	0	14	0	4	0
August	10.1	S.	41	SE.	1	9	3	11	8	20	7	3	1	0	19	8	4	10	9	0	0	0	1	0	24	0	13	0
September	10.4	S.	35	W.	0	21	4	4	11	14	4	0	2	0	19	5	6	11	7	0	0	0	0	0	0	0	5	0
October	10.2	S.	35	N.W.	0	11	4	14	9	13	1	3	7	0	13	8	10	9	8	0	0	0	1	0	0	0	2	0
November	12.1	S.	41	N.W.	2	11	0	0	9	14	6	14	6	0	14	5	11	8	6	5	3	0	1	2	0	9	1	0
December	11.7	S.	34	N.W.	0	9	2	5	8	16	9	8	5	0	12	5	14	9	7	5	5	0	1	7	0	13	0	0
Year	11.9	S.	58	W.	13	137	62	69	88	176	79	63	56	0	187	93	85	103	77	33	20	4	4	40	52	83	51	1

KEOKUK, IOWA.

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

January	9.0	NW.	35	W.	0	3	6	1	2	6	15	14	14	1	10	13	8	6	4	15	6	0	0	25	0	31	0	0
February	10.0	NW.	48	S.W.	1	5	3	1	7	9	14	3	14	0	11	10	7	8	5	6	3	0	2	8	0	21	2	0
March	8.8	S.W.	52	S.W.	1	1	14	6	2	9	13	6	11	0	15	10	6	5	2	3	0	1	0	0	0	11	5	1
April	9.4	NE.	34	S.W.	0	11	18	6	4	2	6	7	6	0	9	12	9	11	9	1	0	0	0	2	0	4	2	0
May	9.3	S.	40	S.W.	1	3	10	2	9	20	13	1	4	0	12	14	5	12	10	0	0	2	3	0	0	0	9	0
June	7.2	NE.	30	N.W.	0	5	12	9	9	4	10	4	7	0	17	11	2	17	7	0	0	0	0	0	6	0	8	0
July	6.0	S.	24	S.W.	0	8	13	4	4	12	9	3	9	0	20	9	2	8	6	0	0	0	1	0	12	0	5	0
August	6.5	S.	36	S.W.	0	4	12	4	7	17	8	1	7	2	14	16	1	11	7	0	0	0	0	0	17	0	12	0
September	6.5	S.	19	N.W.	0	8	7	2	4	15	5	4	14	1	15	10	5	9	7	0	0	0	0	0	0	0	2	0
October	7.2	S.	37	S.	0	4	8	9	9	12	6	4	10	0	14	6	11	9	6	0	0	0	2	0	0	10	1	0
November	8.8	W.	32	W.	0	4	0	2	11	6	12	13	11	1	13	7	10	6	5	3	1	1	3	2	0	11	1	0
December	7.6	S.W.	30	N.	0	2	2	6	10	10	16	5	11	0	7	14	10	10	7	8	3	0	1	7	0	18	0	0
Year	8.0	S.W.	52	S.W.	3	58	105	62	78	122	127	65	118	5	157	132	76	106	75	36	13	4	12	42	35	96	47	1

Annual meteorological summary for the year ending December 31, 1918—Continued.

KEY WEST, FLA.

[ϕ=24° 33′ N.; λ=81° 48′ W.]

Month.	Pressure.			Temperature.								Moisture.													
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	30.001	30.260	29.710	63.9	70.6	65.9	72.3	60.5	66.4	80	46	58	60	60	82	69	80	0.505	0.534	0.529	1.05	0.70	4.3	3.1	2.4	3.3
February	30.105	30.330	29.950	70.4	76.2	71.8	78.2	68.0	73.1	81	55	65	65	65	84	69	79	.633	.630	.623	.12	.10	1.9	1.8	1.2	1.7
March	30.018	30.210	29.850	74.1	79.7	74.5	81.4	69.6	75.5	84	65	66	66	66	75	63	74	.634	.639	.633	2.65	2.20	3.1	2.4	2.3	2.4
April	29.941	30.070	29.820	76.3	79.4	75.9	81.5	71.9	76.7	88	64	66	67	66	71	66	71	.651	.667	.641	2.80	2.05	3.2	2.2	2.0	2.2
May	30.013	30.140	29.890	77.4	80.1	76.8	82.5	73.1	77.8	85	69	67	68	66	71	67	70	.668	.686	.647	5.19	2.15	4.6	3.8	3.8	4.4
June	29.930	30.050	29.730	81.9	84.5	80.9	86.8	77.3	82.0	90	74	72	73	72	73	68	74	.791	.800	.776	.43	.35	4.0	3.6	4.6	4.4
July	29.990	30.120	29.830	83.7	86.5	82.7	89.1	77.9	83.5	91	71	73	73	72	71	66	70	.811	.816	.782	1.72	.66	3.8	3.7	3.6	3.8
August	30.003	30.120	29.850	83.4	86.8	82.7	89.2	79.5	84.4	92	74	73	74	73	72	65	73	.820	.824	.812	1.85	.90	4.9	4.2	4.8	4.8
September	29.924	30.050	29.800	82.4	84.9	81.2	87.9	77.3	82.6	91	73	73	73	72	74	68	74	.820	.804	.788	3.53	2.02	4.3	4.6	3.9	4.6
October	29.924	30.080	29.730	79.1	82.5	78.8	84.7	75.2	80.0	88	70	73	73	73	81	74	82	.805	.822	.807	7.94	1.90	5.9	5.6	4.8	5.6
November	29.986	30.110	29.850	73.5	78.4	73.9	79.8	71.1	75.4	86	62	66	65	66	78	65	76	.654	.637	.637	.38	.28	4.2	3.2	3.1	3.6
December	30.062	30.270	29.840	69.2	74.1	70.6	76.2	67.2	71.7	84	55	64	64	63	82	71	77	.596	.606	.588	2.11	1.08	5.6	5.7	5.0	5.5
Year	29.991	30.330	29.710	76.3	80.3	76.3	82.5	72.4	77.4	92	46	68	68	68	76	68	75	.699	.705	.689	29.77	2.20	4.2	3.7	3.5	3.9

KNOXVILLE, TENN.

[ϕ=35° 56′ N.; λ=83° 58′ W.]

January	28.869	29.230	27.890	25.9	31.9	32.3	36.0	22.4	29.2	65	− 2	23	26	27	88	78	80	0.138	0.156	0.162	6.62	1.48	7.4	7.1	5.2	6.9
February	29.073	29.610	28.330	37.9	48.3	49.6	55.3	35.0	45.2	76	12	34	40	40	85	72	71	.211	.269	.272	2.37	.87	5.2	6.4	4.5	5.5
March	28.995	29.430	28.640	47.9	60.1	59.8	66.3	44.9	55.0	77	30	41	43	42	77	57	55	.271	.304	.287	1.43	.40	5.0	5.7	4.6	5.4
April	28.915	29.157	28.680	52.1	60.9	59.7	65.7	48.4	57.0	79	32	46	48	48	82	67	67	.333	.357	.353	5.41	1.17	6.8	7.7	6.2	6.8
May	29.060	29.410	28.760	64.5	76.9	73.3	81.4	59.1	70.2	93	39	58	58	59	80	53	64	.497	.495	.520	4.51	2.95	4.9	4.0	5.8	4.6
June	28.911	29.112	28.620	70.0	80.5	77.2	84.1	65.5	74.8	98	54	64	63	64	80	58	67	.592	.591	.617	5.10	2.53	5.3	5.7	6.6	5.9
July	28.997	29.224	28.750	68.3	79.8	75.8	83.8	64.2	74.0	92	55	62	61	62	82	54	64	.571	.549	.557	1.85	.76	5.4	5.5	5.9	5.6
August	29.021	29.260	28 8'0	72.7	85.6	80.1	89.5	69.0	79.2	97	62	67	64	66	81	51	63	.656	.605	.633	2.41	1.05	4.4	3.6	5.8	4.7
September	29.007	29.360	28.770	58.5	71.1	67.1	74.9	55.4	65.2	87	39	54	52	56	85	55	68	.430	.411	.450	1.59	.31	4.9	5.3	4.4	5.3
October	29.035	29.290	28.660	57.4	68.8	65.6	72.4	55.0	63.7	86	44	52	52	54	84	59	69	.402	.406	.430	5.19	2.55	6.8	6.8	4.0	5.9
November	29.047	29.360	28.540	41.9	53.5	50.9	56.9	40.3	48.6	71	32	37	36	38	82	53	62	.225	.220	.232	1.99	1.10	5.0	5.0	4.1	5.2
December	29.042	29.400	28.550	42.8	51.1	49.5	54.5	40.5	47.5	69	21	38	39	39	82	64	68	.246	.262	.259	5.32	1.90	6.8	8.1	6.6	7.3
Year	28.998	29.610	27.890	53.3	64.0	61.7	68.4	50.0	59.2	98	− 2	48	48	50	82	60	66	.381	.385	.398	43.79	2.95	5.7	5.9	5.3	5.8

LA CROSSE, WIS.

[ϕ=43° 49′ N.; λ=91° 15′ W.]

January	29.173	29.869	28.530	0.8	9.2	7.8	14.5	−3.7	5.4	36	−23	− 1	4	....	89	78	....	0.042	0.052	.....	1.33	0.39	5.4	4.7	5.2	5.6
February	29.220	30.100	28.450	14.4	24.1	22.2	29.4	9.0	19.2	54	−28	12	16	....	90	70	....	.090	.103	.....	.64	.43	4.8	5.9	4.8	5.8
March	29.263	29.840	28.640	31.2	45.4	42.9	50.3	28.2	39.2	71	1	27	30	....	85	58	....	.150	.176	.....	2.74	2.04	3.9	4.8	3.8	5.0
April	29.236	29.990	28.460	36.3	50.0	48.9	54.3	32.7	43.5	70	24	30	28	....	77	46	....	.169	.162	.....	1.70	.53	4.9	4.6	4.7	4.8
May	29.154	29.650	28.450	56.4	68.7	67.3	73.6	51.8	62.7	91	30	48	49	....	75	54	....	.361	.378	.....	6.55	2.12	5.8	5.5	5.9	5.9
June	29.166	29.480	28.710	62.6	72.6	71.1	77.0	58.0	67.5	91	46	55	56	....	78	58	....	.446	.465	.....	3.47	.94	6.9	6.1	5.3	5.8
July	29.260	29.520	29.090	64.1	76.5	74.5	80.8	59.6	70.2	97	48	59	61	....	85	60	....	.518	.551	.....	4.80	1.45	4.5	5.3	5.1	5.3
August	29.200	29.540	28.890	64.5	78.0	74.8	82.2	60.8	71.5	96	47	61	63	....	88	62	....	.546	.589	.....	2.84	1.30	6.1	5.8	4.5	5.8
September	29.298	29.726	29.051	47.4	61.9	56.6	65.7	43.8	54.8	80	32	44	46	....	89	57	....	.301	.321	.....	1.36	.85	5.6	5.1	4.8	5.6
October	29.233	29.620	28.440	45.3	58.2	54.1	62.0	41.7	51.8	86	30	41	43	....	85	59	....	.261	.283	.....	1.57	1.17	6.3	5.7	4.6	6.2
November	29.204	29.750	28.388	34.7	43.9	41.2	47.6	32.4	40.0	70	15	31	34	....	87	68	....	.188	.208	.....	1.37	.94	6.2	5.6	8.4	6.3
December	29.222	29.690	28.750	28.4	33.4	31.5	36.5	25.4	31.0	52	11	26	28	....	89	80	....	.144	.155	.....	1.10	.45	8.8	8.7	6.3	8.5
Year	29.219	30.100	28.388	40.5	51.8	49.4	56.2	36.6	46.4	97	−28	36	38	....	85	62	....	.268	.287	.....	29.47	2.12	5.8	5.6	5.1	5.9

LANDER, WYO.

[ϕ=42° 50′ N.; λ=108° 45′ W.]

January	24.524	24.850	24.050	11.4	....	18.9	30.5	3.2	16.8	64	−27	5	....	6	74	....	58	0.061	.....	0.064	1.02	0.47	4.1	.....	5.3	5.5
February	24.553	25.040	24.000	17.2	....	30.3	38.0	11.2	24.6	56	−24	10	....	16	72	....	54	.074	.....	.091	.72	.44	4.4	.....	5.2	5.4
March	24.592	25.129	24.000	30.4	52.0	49.4	55.9	27.2	41.6	67	4	22	24	22	69	35	36	.117	0.130	.122	1.17	.95	4.8	5.5	5.0	5.1
April	24.585	25.000	24.200	27.8	41.7	42.6	47.8	25.3	36.6	66	− 3	21	30	27	75	65	60	.116	.166	.154	2.62	1.08	4.9	6.2	7.3	6.1
May	24.556	24.880	24.264	39.2	58.0	58.0	63.1	35.8	49.4	80	25	31	30	30	72	42	43	.171	.172	.171	1.98	.67	5.3	5.8	6.5	5.9
June	24.703	24.910	24.438	53.3	76.0	77.8	83.7	50.8	67.2	96	36	42	47	42	66	38	32	.272	.331	.289	1.31	.84	4.0	3.7	5.0	4.3
July	24.725	24.950	24.500	53.2	76.8	77.6	83.1	51.1	67.1	96	44	44	47	44	73	38	34	.296	.333	.300	.60	.37	3.8	4.4	5.9	4.8
August	24.691	24.950	24.485	50.0	74.8	78.2	82.0	47.8	64.9	93	39	38	38	35	63	29	26	.232	.239	.219	.27	.12	3.3	3.2	3.7	3.5
September	24.767	25.010	24.450	45.3	63.4	64.1	69.5	42.4	56.0	85	36	37	38	38	74	44	44	.222	.233	.236	1.03	.75	4.9	5.3	5.7	5.2
October	24.692	24.940	24.180	36.9	58.2	56.5	63.6	34.0	48.8	79	19	28	31	31	68	39	40	.151	.180	.180	.40	.36	3.8	4.5	4.7	4.8
November	24.640	24.990	24.080	17.7	31.6	29.1	38.8	13.8	26.3	68	−15	11	19	17	75	60	63	.080	.112	.102	.93	.60	4.3	6.1	5.6	6.1
December	24.646	24.890	24.264	13.6	24.7	23.1	33.3	8.5	20.9	59	−23	9	16	12	78	68	63	.070	.096	.081	1.13	.50	4.4	5.8	5.1	6.0
Year	24.640	25.129	24.000	33.0	....	50.5	57.4	29.3	43.4	96	−27	25	....	27	72	....	46	.155	.....	.167	13.18	1.08	4.3	....	5.4	5.2

Annual meteorological summary for the year ending December 31, 1918—Continued.

KEY WEST, FLA.

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

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Number of winds, 8 a. m. and 8 p. m. Days with 40 miles and over.	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	10.9	E.	50	NW.	1	11	12	16	5	7	4	3	4	0	17	12	2	5	3	0	0	0	0	0	0	0	2	0
February	10.1	E.	26	N.	0	6	16	24	7	1	1	0	1	0	21	7	0	3	2	0	0	0	0	0	0	0	0	0
March	8.7	SE.	36	W.	0	11	10	12	12	4	5	1	7	0	25	4	2	9	7	0	0	0	0	0	0	0	6	0
April	10.1	SE.	42	SW.	1	5	3	15	23	5	1	0	8	0	22	6	2	3	3	0	0	0	0	0	0	0	5	0
May	12.8	E.	26	E.	0	1	10	38	13	0	0	0	0	0	16	7	8	11	11	0	0	0	0	0	0	0	1	0
June	8.1	E.	21	NW.	0	3	3	18	7	8	5	6	10	0	14	11	5	3	2	0	0	0	0	0	0	0	6	0
July	7.5	E.	27	SW.	0	3	7	16	7	12	6	2	9	0	17	12	2	11	8	0	0	0	0	0	0	13	0	13	0
August	10.0	E.	24	NW.	0	2	8	38	6	3	0	2	3	0	12	13	6	11	4	0	0	0	0	0	0	10	0	17	0
September	7.5	NE.	30	SW.	0	4	18	14	13	3	3	2	3	0	14	9	7	11	8	0	0	0	0	0	0	4	0	15	0
October	9.5	NE.	39	E.	0	4	31	21	5	0	1	0	0	0	8	11	12	18	15	0	0	0	0	0	0	0	0	10	0
November	11.2	NE.	30	NW.	0	9	25	8	8	4	0	1	5	0	15	12	3	4	2	0	0	0	0	0	0	0	0	0	0
December	11.4	NE.	33	W.	0	14	27	9	6	3	0	0	3	0	10	9	12	7	7	0	0	0	0	0	0	0	2	0
Year	9.8	E.	50	NW.	2	73	170	229	112	50	26	17	53	0	191	113	61	96	72	0	0	0	0	0	27	0	77	0

KNOXVILLE, TENN.

[H_b=996 ft.; h_t=102 ft.; h_r=96 ft.; h_a=111 ft.]

January	7.7	(*) SW.	38	SW.	0	12	10	2	0	6	26	1	5	0	4	10	17	17	14	13	9	0	2	14	0	25	0	0
February	7.2	SW.	50	S.	1	13	7	3	1	8	15	3	3	3	8	11	9	11	10	1	1	0	2	2	0	11	2	0
March	7.2	N.	39	S.	0	16	7	2	1	9	14	3	6	4	6	17	8	9	8	1	0	0	3	0	0	1	4	1
April	7.8	N.	36	S.	0	17	11	2	1	9	16	2	2	0	4	13	13	14	12	2	0	0	1	0	0	0	6	0
May	5.5	SW.	38	SW.	0	4	12	6	9	9	18	1	2	1	14	10	7	7	6	0	0	0	3	0	4	0	12	0
June	5.5	SW.	48	N.	1	13	15	2	1	5	18	4	2	0	6	13	11	11	10	0	0	2	0	0	4	0	9	0
July	4.3	N.	21	N.	0	16	15	11	3	3	8	3	3	0	9	10	12	10	7	0	0	0	4	0	4	0	8	0
August	4.5	SW.	30	SW.	0	6	16	7	2	3	20	7	1	0	12	14	5	8	7	0	0	0	1	0	16	0	10	0
September	4.1	NE.	24	S.	0	11	28	3	1	4	8	3	1	1	11	10	9	11	9	0	0	0	2	0	0	0	6	0
October	4.9	NE.	22	W.	0	10	22	6	1	3	10	5	2	3	7	13	11	10	9	1	0	0	0	0	0	0	0	0
November	5.8	NE.	40	SW.	1	11	24	1	3	0	11	5	3	2	11	10	9	7	5	2	0	0	1	0	0	1	0	0
December	6.9	NE.	34	SW.	0	5	18	7	1	3	18	8	2	0	2	13	16	8	8	2	0	0	3	0	0	7	0	0
Year	6.0	NE.	50	S.	3	134	185	52	24	62	182	45	32	14	94	144	127	123	105	22	10	3	21	16	28	45	57	1

LA CROSSE, WIS.

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

January	5.6	(*) NW.	22	NW.	0	4	2	0	3	5	3	6	8	0	11	7	13	12	11	19	12	0	0	29	0	31	0	0
February	6.3	NW.	27	NW.	0	4	1	1	7	4	2	2	7	0	8	7	13	6	5	7	4	0	0	15	0	27	0	0
March	5.9	SE.	22	N.	0	3	3	2	9	7	3	0	4	0	13	5	13	6	5	5	3	0	2	3	0	22	2	2
April	6.1	NW.	19	SW.	0	6	1	2	8	3	1	0	8	1	15	4	11	10	9	2	1	0	0	0	0	17	0	0
May	5.9	S.	24	SW.	0	4	2	1	6	13	2	2	1	0	9	11	11	15	12	0	0	0	0	0	1	1	14	0
June	4.6	S.	22	S.	0	5	1	2	6	9	1	2	4	0	7	12	11	13	12	0	0	0	0	0	1	0	9	0
July	3.6	SE.	23	NW.	0	3	2	0	8	6	5	2	5	0	12	8	11	12	11	0	0	0	3	0	4	0	9	0
August	3.4	SE.	16	NW.	0	5	3	1	8	5	5	0	3	1	7	15	9	9	6	0	0	1	5	0	4	0	11	1
September	3.7	NW.	13	S.	0	3	1	0	4	8	1	4	8	1	9	11	10	11	7	0	0	0	6	0	0	1	0	0
October	5.3	S.	20	NW.	0	6	1	0	5	10	4	0	5	0	8	7	16	9	5	1	0	0	3	0	0	3	0	0
November	6.2	W.	19	SW.	0	2	2	0	5	5	2	9	3	2	10	4	16	9	6	4	2	0	2	2	0	17	1	1
December	4.8	S.	26	NW.	0	4	0	4	4	7	1	5	3	3	4	1	26	14	9	11	7	0	1	10	0	25	0	1
Year	5.1	S.	27	NW.	0	49	19	13	73	82	30	32	59	8	113	92	160	126	98	49	29	1	22	59	10	144	46	5

LANDER, WYO.

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

January	4.9	SW.	36	W.	0	5	6	5	4	8	12	17	3	2	9	16	6	6	5	6	6	0	1	17	0	30	0	0
February	4.6	W.	56	W.	1	1	8	4	5	5	12	12	7	2	9	12	7	5	4	7	5	0	0	9	0	27	0	0
March	5.3	W.	28	NW.	0	2	2	3	8	10	9	23	4	1	7	15	9	7	5	2	2	0	0	0	0	21	0	0
April	5.6	SW.	34	NW.	0	5	6	10	5	1	16	9	6	2	6	12	12	11	8	9	7	0	0	4	0	24	1	0
May	4.1	W.	26	SW.	0	6	4	7	5	3	9	17	11	0	8	16	7	10	8	5	4	1	0	0	0	10	3	0
June	3.7	SW.	24	SE.	0	3	2	3	4	5	12	20	10	1	11	16	3	6	5	0	0	0	0	0	0	8	0	0
July	4.6	SW.	26	SW.	0	6	1	4	2	4	18	18	9	0	11	13	7	5	3	0	0	0	0	0	0	3	0	0
August	5.4	SW.	40	SW.	1	3	5	4	4	8	12	21	5	0	18	11	2	4	3	0	0	0	0	0	0	4	0	0
September	3.9	SW.	30	W.	0	4	9	13	3	4	14	7	5	1	11	10	9	8	5	0	0	0	0	0	0	0	0	0
October	4.1	SW.	26	N.	0	4	4	10	6	3	16	12	6	1	11	17	3	3	1	1	1	0	0	0	0	11	1	0
November	3.3	SW.	34	SW.	0	2	10	3	4	8	14	10	7	2	7	11	12	6	5	8	6	0	1	11	0	29	0	0
December	3.0	SW.	30	NW.	0	3	4	7	8	7	21	5	4	3	8	12	11	5	5	7	5	0	3	13	0	31	0	0
Year	4.2	SW.	56	W.	2	44	61	73	58	66	165	171	77	15	116	161	88	76	57	45	36	1	5	54	13	183	27	0

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1918—Continued.

LANSING, MICH.

[ϕ=42° 44′ N.; λ=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.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	3 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	28.915	29.530	27.930	6.6	14.7	10.2	18.5	2.0	10.2	32	−17	4	9	7	88	76	84	0.053	0.064	0.057	2.08	0.73	7.6	6.3	6.5	6.9
February	29.038	29.830	28.000	18.2	26.4	22.9	31.5	12.0	21.8	52	−21	14	20	18	83	75	79	.102	.122	.113	3.04	1.17	7.2	6.1	4.8	6.0
March	29.085	29.596	28.420	30.5	43.8	38.9	47.7	26.5	37.1	73	11	25	28	30	78	56	71	.134	.159	.171	3.58	1.99	4.0	4.3	3.8	4.7
April	29.075	29.680	28.490	38.5	49.7	43.8	53.0	31.9	42.4	70	22	32	34	34	77	58	68	.189	.207	.202	1.97	.57	6.2	6.6	6.2	6.5
May	29.062	29.430	28.360	56.9	69.1	64.5	72.6	49.6	61.1	88	32	50	53	54	78	58	69	.379	.429	.430	2.89	.93	5.9	6.2	5.4	6.2
June	29.019	29.300	28.578	60.7	73.5	67.8	77.3	51.4	64.4	90	35	52	54	53	74	52	61	.397	.430	.420	2.07	1.13	5.8	5.0	5.1	5.5
July	29.100	29.276	28.820	64.9	77.7	72.2	81.9	56.4	69.2	94	42	57	58	58	76	52	62	.480	.489	.496	1.96	1.36	4.7	5.6	4.9	5.8
August	29.082	29.430	28.790	66.4	82.1	74.3	85.2	59.3	72.2	102	45	60	60	60	80	48	63	.524	.532	.544	1.44	.42	5.4	5.6	4.5	5.1
September	29.114	29.550	28.690	48.8	62.2	54.3	65.0	43.3	54.2	79	34	45	46	47	87	57	77	.307	.318	.329	2.88	1.42	5.1	7.1	4.6	6.4
October	29.110	29.470	28.600	46.5	60.2	52.7	63.4	41.8	52.6	77	29	42	43	44	86	56	75	.279	.286	.304	3.21	.84	5.7	5.4	5.1	6.1
November	29.053	29.520	28.190	36.2	45.6	39.8	47.3	33.4	40.4	63	20	32	34	34	85	64	81	.188	.206	.206	3.22	1.36	6.6	6.4	6.6	6.7
December	29.064	29.630	28.530	30.0	35.8	32.6	38.7	27.1	32.9	54	2	28	30	29	90	78	86	.157	.167	.165	3.61	.97	9.3	7.3	7.0	7.9
Year	29.061	29.830	27.930	42.0	53.4	47.8	56.8	36.2	46.5	102	−21	37	39	39	82	61	73	.266	.284	.286	31.95	1.99	6.1	6.0	5.4	6.2

LEESBURG, GA.

[ϕ=31° 47′ N.; λ=84° 14′ W.]

January	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
February	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
March	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
April	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
May	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
June	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
July	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
August	29.789	29.950	29.530	74.2	86.2	79.2	89.6	69.1	79.4	98	60	70	68	70	86	56	76	0.733	0.601	0.749	7.81	3.57	3.2	5.2	5.3	4.7
September	29.737	30.040	29.530	66.7	78.8	71.7	82.2	60.9	71.6	92	45	62	60	62	86	56	72	.581	.535	.570	1.68	.99	4.6	5.7	3.2	5.0
October	29.775	29.990	29.480	65.9	77.1	71.5	79.5	62.4	71.0	90	51	62	62	62	87	62	74	.566	.572	.603	1.91	.81	8.3	8.0	5.4	6.9
November	29.811	30.080	29.460	47.7	62.6	54.7	65.7	44.0	54.8	80	33	45	45	46	89	56	74	.309	.311	.315	6.50	2.04	4.7	4.7	3.9	4.7
December	29.861	30.110	29.480	47.1	57.3	53.4	60.7	44.1	52.4	75	27	45	46	46	92	68	76	.328	.340	.330	5.30	1.26	6.3	6.9	4.7	6.7
Year	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

LEWISTON, IDAHO.

[ϕ=46° 25′ N.; λ=117° 02′ W.]

January	29.287	29.780	28.720	33.7	39.2	.....	42.2	30.5	36.4	59	6	29	31	.....	85	73	.....	0.166	0.181	.....	3.12	0.63	6.5	7.7	.....	8.2
February	29.220	29.730	28.630	33.2	41.7	.....	45.4	30.1	37.8	60	16	26	28	.....	73	59	.....	.140	.155	.....	.60	.20	7.3	6.9	.....	7.2
March	29.203	29.780	28.750	39.3	52.2	.....	57.1	37.2	47.2	73	25	33	34	.....	77	52	.....	.189	.201	.....	1.42	.60	7.4	7.8	.....	7.2
April	29.227	29.740	28.740	40.1	60.0	.....	65.6	38.1	51.8	79	25	32	34	.....	75	40	.....	.187	.213	.....	.57	.30	3.7	4.4	.....	4.6
May	29.166	29.361	28.780	44.8	64.3	.....	69.5	42.8	56.2	89	34	37	38	.....	75	40	.....	.219	.234	.....	.66	.30	4.6	5.2	.....	5.4
June	29.137	29.390	28.710	59.2	82.8	.....	88.8	56.4	72.6	103	40	46	45	.....	64	28	.....	.328	.315	.....	.55	.42	4.0	3.3	.....	3.7
July	29.107	29.350	28.830	62.3	86.0	.....	92.1	60.9	76.5	110	50	48	46	.....	62	26	.....	.351	.315	.....	.73	.49	3.9	4.4	.....	4.5
August	29.164	29.420	28.830	58.4	77.6	.....	83.9	57.0	70.4	100	49	49	47	.....	74	38	.....	.350	.334	.....	1.17	.69	4.7	4.8	.....	4.8
September	29.193	29.500	28.870	52.8	75.9	.....	83.0	51.5	67.2	94	43	45	46	.....	76	37	.....	.301	.319	.....	.37	.19	3.4	4.4	.....	4.3
October	29.261	29.502	28.690	48.1	61.7	.....	67.3	45.7	56.5	87	35	44	44	.....	88	54	.....	.302	.302	.....	2.27	.55	5.9	7.0	.....	6.7
November	29.299	29.660	28.480	36.0	46.4	.....	50.0	32.8	41.4	58	19	32	35	.....	89	65	.....	.186	.204	.....	.34	.15	6.8	6.8	.....	7.1
December	29.356	29.770	28.760	33.5	40.0	.....	42.6	30.3	36.4	57	7	28	28	.....	79	62	.....	.153	.159	.....	.45	.09	8.5	7.6	.....	7.9
Year	29.218	29.780	28.480	45.1	60.6	.....	65.6	42.8	54.2	110	6	37	38	.....	76	48	.....	.239	.244	.....	12.25	.69	5.6	5.9	.....	6.0

LEXINGTON, KY.

[ϕ=38° 02′ N.; λ=84° 33′ W.]

January	28.864	29.290	28.000	17.8	22.1	.....	27.4	12.1	19.8	47	−14	16	18	.....	92	83	.....	0.096	0.105	.....	4.46	1.30	5.7	5.8	.....	6.2
February	29.049	29.710	28.180	32.9	40.6	.....	48.0	27.8	37.9	75	−1	28	32	.....	84	72	.....	.178	.215	.....	1.92	.88	6.0	5.2	.....	5.8
March	29.007	29.470	28.560	43.8	53.6	.....	59.8	38.6	49.2	77	23	36	39	.....	78	61	.....	.228	.260	.....	1.55	.51	5.3	5.3	.....	5.4
April	28.914	29.310	28.530	47.8	56.0	.....	60.1	43.4	51.8	75	26	42	41	.....	90	58	.....	.279	.276	.....	2.09	.55	7.2	7.4	.....	6.2
May	29.040	29.430	28.600	55.2	73.7	.....	78.5	50.3	69.4	91	36	56	54	.....	73	54	.....	.471	.451	.....	4.13	1.39	4.6	3.9	.....	4.2
June	28.920	29.170	28.540	67.9	78.0	.....	82.4	61.9	72.2	94	48	58	57	.....	72	51	.....	.506	.490	.....	3.61	2.04	4.4	4.4	.....	4.4
July	29.004	29.290	28.800	68.3	77.0	.....	81.4	63.5	72.6	90	55	60	59	.....	77	56	.....	.519	.520	.....	2.01	.80	4.0	5.0	.....	4.6
August	29.012	29.252	28.830	74.0	86.8	.....	88.7	70.2	79.4	100	63	64	64	.....	71	51	.....	.598	.596	.....	2.68	.89	3.9	3.7	.....	4.1
September	29.021	29.400	28.800	57.0	67.6	.....	71.6	53.2	62.4	84	40	45	50	.....	76	55	.....	.366	.374	.....	1.41	.62	4.4	4.8	.....	4.5
October	29.027	29.307	28.620	55.0	66.4	.....	70.3	51.9	61.1	84	38	50	52	.....	84	63	.....	.373	.397	.....	4.57	2.22	6.3	6.1	.....	6.3
November	29.017	29.320	28.440	40.9	47.6	.....	51.2	37.3	44.2	68	24	35	36	.....	80	67	.....	.212	.221	.....	2.24	1.23	5.8	5.2	.....	5.4
December	29.032	29.420	28.520	39.8	45.3	.....	49.5	36.1	42.8	64	18	35	36	.....	84	71	.....	.225	.237	.....	4.83	2.38	7.2	7.5	.....	7.0
Year	28.992	29.710	28.000	50.9	59.5	.....	64.1	46.4	55.2	100	−14	44	45	.....	79	62	.....	.337	.345	.....	35.50	2.38	5.4	5.8	.....	5.4

Annual meteorological summary for the year ending December 31, 1918—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	7.8	S.W.	32	SW.	0	3	7	7	4	4	21	6	10	0	6	9	16	15	8	22	15	0	0	31	0	31	0	0
February	8.7	S.W.	42	NW.	1	2	1	4	4	8	20	8	9	0	8	8	12	14	9	14	8	1	0	14	0	27	2	0
March	7.2	S.W.	24	NW.	0	9	6	7	2	6	16	6	10	0	13	10	8	6	5	6	3	1	0	3	0	25	4	1
April	6.8	NE.	24	SE.	0	11	9	11	11	3	7	4	4	0	7	5	18	18	13	4	2	1	0	0	0	17	2	1
May	6.6	S.W.	36	SW.	0	4	6	7	6	13	12	8	6	0	7	15	9	16	14	0	0	0	2	0	0	1	8	2
June	5.4	S.W.	22	W.	0	7	7	6	8	3	13	6	10	0	8	12	10	10	5	0	0	0	1	0	1	0	5	0
July	4.0	S.W.	17	NW.	0	11	9	6	6	4	12	4	10	0	6	14	11	6	5	0	0	0	0	0	7	0	5	0
August	4.5	S.W.	22	SW.	0	2	8	9	5	8	16	4	10	0	9	15	7	8	7	0	0	0	0	0	8	0	7	3
September	4.8	S.W.	18	SW.	0	7	2	8	5	4	16	7	11	0	5	12	13	13	9	0	0	1	0	0	0	0	3	0
October	6.3	S.W.	22	NE.	0	3	6	8	7	7	17	6	8	0	7	13	11	14	12	0	0	0	1	0	0	4	0	0
November	7.5	S.W.	36	SW.	0	5	0	1	9	10	17	9	9	0	7	7	16	11	9	4	1	0	0	0	0	15	1	0
December	6.6	S.W.	25	NW.	0	0	4	8	16	5	16	5	7	1	5	4	22	16	9	9	6	0	1	8	0	26	0	2
Year	6.4	SW.	42	NW.	1	64	65	82	83	75	183	73	104	1	88	124	153	147	105	59	35	4	5	56	16	146	37	9

LEESBURG, GA.

[H_b=279 ft.; h_t=10 ft.; h_r=4 ft.; h_a=55 ft.]

January																												
February																												
March																												
April																												
May																												
June																												
July																												
August	4.9	SW.	42	NW.	1	3	8	11	8	13	12	5	2	0	12	13	6	11	10	0	0	0	2	0	16	0	16	0
September	5.6	NE.	25	N.	0	8	23	9	2	7	1	3	3	4	11	10	9	8	6	0	0	0	1	0	3	0	5	0
October	7.2	E.	26	E.	0	6	23	18	6	3	1	4	1	0	5	9	17	7	5	0	0	0	1	0	0	0	2	0
November	6.7	NE.	30	S.	0	10	18	6	2	4	8	4	6	2	15	5	10	11	10	0	0	0	0	0	0	0	0	0
December	7.3	W.	26	SE.	0	4	7	8	7	5	7	15	6	3	5	10	16	9	7	0	0	0	4	0	0	3	1	0
Year																												

LEWISTON, IDAHO.

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

January	3.5	E.	30	S.W.	0	2	2	7	3	5	7	4	1	0	3	6	22	21	17	9	8	0	1	3	0	15	0	0
February	5.1	E.	23	NE.	0	2	4	9	4	0	4	4	1	0	3	8	17	12	6	6	4	0	0	1	0	17	0	0
March	4.3	E.	27	NW.	0	1	4	14	3	0	3	3	3	0	3	9	19	12	7	3	2	0	0	0	0	5	0	0
April	4.2	NE.	27	W.	0	0	8	12	4	1	0	2	1	2	13	6	11	6	5	0	0	0	0	0	0	2	0	0
May	4.1	NE.	25	NW.	0	2	7	6	2	3	2	4	2	3	7	13	11	7	4	0	0	0	0	0	0	0	0	0
June	3.7	NE.	22	SW.	0	2	5	11	4	0	1	3	2	2	14	10	6	4	3	0	0	0	0	0	17	0	5	0
July	3.6	E.	26	NE.	0	2	4	15	4	4	1	0	1	0	14	9	8	4	3	0	0	0	0	0	16	0	5	0
August	3.2	E.	27	NW.	0	0	1	11	6	4	2	3	2	2	11	9	11	10	7	0	0	0	0	0	7	0	5	0
September	2.0	E.	19	N.	0	1	3	8	6	1	2	2	1	6	15	5	10	4	3	0	0	0	0	0	7	0	0	0
October	2.3	E.	21	W.	0	2	5	10	1	5	2	2	2	2	6	9	16	13	8	0	0	1	0	0	0	0	4	0
November	2.3	E.	19	NW.	0	1	5	9	6	0	2	3	2	2	6	5	19	8	3	2	2	0	0	0	0	14	0	1
December	4.1	E.	28	S.	0	1	6	10	4	2	2	3	2	1	3	5	23	9	6	3	1	0	0	5	0	20	0	0
Year	3.5	E.	30	SW.	0	16	54	122	47	25	28	33	20	20	98	94	173	110	72	23	17	1	1	9	47	73	19	1

LEXINGTON, KY.

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

January	14.7	S.W.	42	S.W.	2	1	4	2	4	2	8	6	4	0	7	9	15	21	16	18	16	0	2	23	0	31	0	0
February	17.5	SW.	60	SW.	7	1	2	1	3	6	8	4	3	0	3	9	11	9	7	5	1	1	3	4	0	18	3	0
March	15.2	SW.	54	W.	4	2	4	2	6	1	11	1	4	0	11	8	12	9	6	0	0	0	1	0	0	9	4	1
April	15.9	NE.	48	SW.	5	4	5	2	6	4	8	1	0	0	5	13	12	13	10	2	1	1	0	0	0	3	4	0
May	13.9	SW.	44	SW.	1	0	0	3	1	7	15	1	4	0	16	9	6	9	8	0	0	0	0	0	0	1	0	0
June	11.7	SW.	40	SW.	1	2	5	4	2	3	8	3	3	0	13	11	6	10	8	0	0	0	0	0	0	2	0	0
July	9.0	NW.	31	NE.	0	2	6	4	3	5	6	1	4	0	13	9	9	10	10	0	0	0	0	0	0	1	0	0
August	10.5	SW.	72	S.	1	1	1	2	2	3	20	1	1	0	14	13	4	9	7	0	0	0	0	0	16	0	10	0
September	10.4	NE.	33	NW.	0	1	1	6	4	6	3	5	0	5	12	11	7	10	7	0	0	0	0	0	0	0	3	0
October	12.7	SW.	40	S.	2	2	3	6	5	2	9	3	1	0	6	11	14	12	10	0	0	0	2	0	0	0	2	0
November	13.1	W.	48	SW.	1	3	3	2	6	3	4	7	2	0	11	6	13	6	6	0	0	0	0	0	0	7	0	0
December	10.2	SW.	40	S.	1	0	3	2	7	7	5	6	1	0	5	8	18	15	11	5	3	0	1	4	0	13	0	0
Year	12.8	SW.	72	S.	25	19	42	34	51	46	107	34	32	0	121	117	127	133	106	30	21	2	10	31	20	81	49	1

Annual meteorological summary for the year ending December 31, 1918—Continued.

LINCOLN, NEBR.

[ϕ=40° 49′ N.; λ=96° 45′ W.]

Month.	Pressure.			Temperature.								Moisture.												
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	28.724	29.370	28.250	8.0	17.1	15.9	23.1	2.3	12.7	56	−23	5	10	11	85	77	82	0.063	0.077	0.080	0.58	0.33	4.4	5.6	4.9	5.0
February	28.747	29.610	27.910	19.7	31.5	32.0	40.9	15.8	28.4	75	−16	15	21	24	81	67	72	.100	.125	.138	1.22	.46	3.8	5.4	4.4	4.3
March	28.712	29.360	27.850	36.5	52.8	53.0	60.0	33.5	46.8	80	16	27	27	30	70	42	48	.155	.152	.175	.14	.06	4.9	4.4	5.4	4.5
April	28.714	29.330	28.240	38.3	52.7	52.5	57.7	36.1	46.9	72	25	30	29	31	73	44	47	.174	.170	.180	1.89	.70	4.9	6.2	7.1	5.8
May	28.605	29.011	27.910	59.9	74.6	72.5	79.8	56.2	68.0	93	38	50	50	50	70	48	51	.384	.397	.399	2.82	.93	5.6	4.6	6.3	5.9
June	28.654	28.990	28.340	68.6	85.2	84.5	89.6	64.9	77.2	106	52	60	59	57	75	45	42	.525	.517	.481	2.53	.61	3.9	3.4	5.2	3.7
July	28.736	28.970	28.490	69.3	83.4	84.3	89.0	65.9	77.4	101	53	60	60	60	73	48	46	.525	.538	.527	2.51	1.55	6.1	5.3	4.4	4.8
August	28.662	28.883	28.410	70.8	89.1	87.5	93.9	67.9	80.9	109	50	60	60	61	70	40	44	.527	.533	.556	.77	.33	5.4	3.7	4.7	4.7
September	28.806	29.149	28.490	52.2	70.1	67.5	74.4	49.8	62.1	93	31	43	43	44	72	40	47	.289	.287	.302	2.25	.97	4.3	4.0	4.9	4.6
October	28.736	29.020	28.170	50.2	64.4	60.7	67.5	48.7	58.1	90	32	43	45	46	77	54	64	.290	.312	.326	4.80	1.51	6.4	5.8	6.2	6.4
November	28.751	29.320	28.100	36.2	46.2	43.0	49.7	33.6	41.6	72	16	30	37	36	78	71	77	.180	.240	.230	1.92	.75	4.5	4.6	4.7	4.8
December	28.726	29.100	28.090	31.4	39.2	35.8	42.2	26.7	34.4	62	−4	26	31	30	78	72	79	.144	.183	.177	.83	.56	7.5	7.0	6.0	7.1
Year	28.714	29.610	27.850	45.1	58.9	57.4	64.0	41.8	52.9	109	−23	37	39	40	75	54	58	.280	.294	.298	22.26	1.55	5.1	5.0	5.4	5.1

LITTLE ROCK, ARK.

[ϕ=34° 45′ N.; λ=92° 06′ W.]

January	29.627	30.050	28.950	24.6	31.3	31.8	36.4	20.9	28.6	62	−8	18	22	22	77	68	69	0.108	0.125	0.130	5.51	1.92	5.1	6.1	4.7	5.7
February	29.733	30.390	29.160	41.5	50.8	52.4	58.3	37.8	48.0	87	17	35	39	37	78	65	58	.234	.276	.248	.98	.50	6.5	5.9	3.7	5.7
March	29.661	30.180	29.260	51.8	62.5	63.9	68.7	48.9	58.8	84	34	43	44	43	72	53	50	.297	.315	.302	1.49	.92	7.9	6.2	4.1	6.5
April	29.564	30.060	29.200	53.3	64.6	65.1	69.9	51.5	60.7	90	39	46	47	46	77	55	54	.329	.340	.333	8.42	4.18	6.6	3.6	5.0	5.0
May	29.648	30.090	29.190	68.1	78.3	78.4	82.8	65.4	74.1	90	45	61	60	63	78	56	60	.553	.550	.594	.64	.30	6.0	5.2	3.9	5.0
June	29.556	29.762	29.320	75.3	86.6	84.7	90.1	71.0	80.5	99	64	67	68	68	76	57	60	.669	.706	.698	6.77	1.79	5.1	4.3	4.9	5.0
July	29.635	29.830	29.400	73.1	86.5	85.5	90.0	70.7	80.4	101	64	63	63	61	72	48	46	.585	.592	.538	.94	.57	4.9	4.4	4.1	4.6
August	29.639	29.830	29.490	75.2	88.2	85.7	92.3	73.3	82.8	102	65	70	66	63	78	51	51	.675	.654	.587	1.42	.46	5.0	3.9	5.5	5.1
September	29.682	30.060	29.350	62.4	74.1	73.2	78.4	59.6	69.0	95	48	54	53	53	75	52	51	.432	.436	.418	4.63	2.36	4.4	5.1	4.7	4.8
October	29.643	29.940	29.180	60.4	71.0	68.3	74.2	58.8	66.5	89	38	56	56	57	86	60	70	.464	.461	.489	4.14	1.23	5.9	5.5	5.4	5.8
November	29.727	30.050	29.120	44.7	55.0	54.4	58.5	43.5	51.0	76	32	39	40	40	80	59	62	.248	.264	.269	3.11	1.16	4.6	4.8	4.0	4.6
December	29.697	30.010	29.290	44.2	52.2	52.4	57.8	41.3	49.6	75	19	39	40	40	82	67	67	.260	.273	.274	7.95	4.71	5.8	5.7	4.4	5.5
Year	29.651	30.390	28.950	56.2	66.8	66.3	71.4	53.6	62.5	102	−8	49	50	49	78	58	58	.404	.416	.407	46.00	4.71	5.6	5.1	4.5	5.3

LOS ANGELES, CALIF.

[ϕ=34° 03′ N.; λ=118° 15′ W.]

January	29.669	29.920	29.300	49.8	61.1	59.0	64.9	46.5	55.7	82	42	39	40	43	71	51	60	0.251	0.262	0.292	0.50	0.32	3.8	3.1	3.1	3.8
February	29.709	29.970	29.310	50.3	60.9	59.1	64.2	47.9	56.0	80	39	40	39	42	74	51	58	.264	.250	.276	6.14	2.12	4.6	4.4	4.2	4.8
March	29.676	29.930	29.380	53.7	64.5	62.3	67.2	51.0	59.1	88	43	46	45	45	79	57	61	.318	.312	.311	6.21	1.92	5.0	5.1	4.8	5.3
April	29.589	29.760	29.386	54.9	68.0	64.4	70.5	52.9	61.7	86	46	46	49	47	76	55	57	.323	.359	.334	.15	.15	5.5	4.0	3.5	4.4
May	29.612	29.730	29.486	55.0	66.4	64.4	69.1	53.4	61.2	87	48	50	50	50	83	57	62	.358	.362	.272	.40	.22	6.1	5.3	2.5	5.1
June	29.504	29.660	29.320	62.2	75.6	73.2	79.4	60.1	69.8	93	52	57	58	57	86	56	59	.473	.488	.467	.03	.01	8.0	2.8	2.0	4.0
July	29.561	29.660	29.450	61.8	73.3	73.7	79.1	60.7	69.9	91	58	58	60	57	88	59	58	.485	.517	.474	.09	.09	7.1	2.2	1.2	3.6
August	29.564	29.720	29.330	64.7	77.8	75.0	80.5	62.9	71.7	100	57	60	60	60	86	56	61	.521	.584	.520	.03	.02	5.9	2.1	1.4	2.9
September	29.549	29.670	29.370	65.3	78.5	74.1	80.8	63.6	72.2	99	58	58	60	60	81	57	64	.495	.528	.525	.55	.44	6.3	4.8	3.1	4.7
October	29.580	29.750	29.401	64.0	77.9	72.6	80.6	61.5	71.0	98	52	54	51	54	73	46	57	.437	.410	.440	T.	T.	3.3	3.1	3.5	3.0
November	29.648	30.030	29.400	55.0	66.8	63.4	69.3	52.3	60.8	86	45	42	41	46	64	44	56	.279	.276	.323	1.85	.86	2.6	3.2	2.7	3.1
December	29.665	29.920	29.267	51.3	63.7	60.6	66.5	48.0	57.2	86	37	37	38	40	61	44	52	.227	.246	.264	1.54	1.46	2.4	2.9	1.8	2.5
Year	29.610	30.030	29.267	57.3	69.5	66.8	72.7	55.1	63.9	100	37	49	49	50	77	53	59	.369	.383	.383	17.49	2.12	5.0	3.6	2.8	3.9

LOUISVILLE, KY.

[ϕ=38° 15′ N.; λ=85° 45′ W.]

January	29.385	29.840	28.600	16.5	22.9	22.5	27.3	11.9	19.6	47	−15	13	15	16	84	71	76	0.084	0.093	0.094	3.49	1.22	4.9	5.8	6.6	6.2
February	29.537	30.280	28.680	32.8	40.6	42.3	47.9	27.9	37.9	77	0	27	29	30	79	63	60	.171	.190	.191	1.90	1.09	5.6	5.9	4.5	6.0
March	29.492	30.010	28.990	43.9	56.2	55.6	62.3	39.4	50.8	79	24	36	39	38	75	54	54	.227	.250	.296	1.22	.55	5.5	4.7	3.9	5.1
April	29.417	29.880	28.960	48.1	57.0	56.4	61.6	44.8	53.2	78	27	41	41	41	77	58	58	.274	.272	.268	2.52	.80	7.4	7.2	6.1	7.2
May	29.501	29.920	29.000	65.6	75.8	74.9	81.0	61.5	71.2	92	38	57	56	56	74	54	55	.484	.477	.479	4.99	2.92	5.5	4.9	4.3	4.1
June	29.389	29.640	29.040	68.9	80.3	78.5	84.1	63.1	73.6	96	50	59	59	59	72	51	53	.515	.524	.514	4.24	2.17	3.7	4.7	4.1	3.2
July	29.479	29.700	29.270	69.9	79.4	78.4	84.4	65.5	75.0	95	56	60	60	60	71	53	55	.526	.528	.526	4.02	2.08	4.1	5.6	4.5	4.5
August	29.466	29.720	29.260	74.9	86.6	83.3	90.6	72.3	81.4	105	61	65	64	65	72	50	57	.622	.613	.626	3.25	1.63	3.5	3.4	4.0	2.9
September	29.515	29.890	29.270	56.3	69.8	65.8	72.6	52.8	62.7	83	42	50	48	50	82	49	58	.379	.360	.374	2.19	.99	5.1	4.7	4.8	4.7
October	29.506	29.810	29.080	55.9	67.6	64.8	70.8	52.6	61.7	86	41	49	48	50	78	54	62	.356	.355	.376	2.62	1.25	6.3	6.1	3.3	5.6
November	29.537	29.850	29.850	41.5	50.5	48.5	53.8	38.7	46.2	70	28	35	35	34	78	57	59	.214	.214	.205	1.19	.66	6.0	5.5	4.4	5.6
December	29.509	29.910	28.990	41.1	48.1	48.5	51.7	37.8	44.8	67	22	36	38	38	81	70	73	.231	.248	.246	4.48	1.18	6.2	6.8	5.5	7.0
Year	29.478	30.280	28.600	51.3	61.2	59.8	65.7	47.4	56.5	105	−15	44	44	45	77	57	60	.340	.344	.345	36.11	2.92	5.3	5.4	4.7	5.2

Annual meteorological summary for the year ending December 31, 1918—Continued.

LINCOLN, NEBR.

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

Month.	Wind. By self-register. Average hourly velocity.	Wind. By self-register. Prevailing direction.	Wind. By self-register. Maximum velocity.	Wind. By self-register. Direction at time of maximum velocity.	Wind. Number of winds, 8 a. m. and 8 p. m. Days with 40 miles and over.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	Precipitation. 0.01 inch and over.	Snow. T. or more.	Snow. 0.01 inch or more melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	Maximum temp. 90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Electricity. Auroras.
	Miles.	(*)	*Mi.*																									
January	12.0	NW.	50	NW.	1	14	8	1	4	5	4	3	23	0	9	14	8	9	2	15	9	0	0	23	0	31	0	0
February	12.1	S.	54	NW.	3	10	3	4	2	13	8	4	12	0	14	9	5	7	2	8	7	0	0	8	0	22	1	0
March	11.9	S.	58	NW.	1	12	7	7	4	19	6	3	4	0	15	6	10	5	2	2	1	0	0	1	0	12	0	1
April	11.7	SE.	48	NW.	3	6	11	2	21	4	2	10	4	0	9	8	13	8	7	3	2	0	0	0	0	6	2	0
May	12.8	S.	58	NW.	3	5	8	6	10	24	3	2	4	0	6	13	12	10	9	0	0	1	0	0	1	0	10	0
June	8.4	S.	48	NW.	1	9	11	5	8	12	7	3	5	0	16	10	4	9	9	0	0	1	0	0	14	0	8	0
July	8.4	SE.	29	N.	0	6	14	4	18	13	6	1	0	0	12	8	11	9	6	0	0	0	0	0	14	0	4	0
August	9.3	S.	33	NE.	0	8	6	9	13	16	6	2	2	0	11	15	5	9	5	0	0	0	0	0	23	0	6	0
September	9.0	NE.	33	SW.	0	12	17	3	7	11	6	1	3	0	12	10	8	8	6	0	0	1	0	0	1	1	3	0
October	8.7	S.	32	NW.	0	9	9	9	8	11	4	5	7	0	7	9	15	12	11	2	0	0	0	0	1	1	2	0
November	9.5	S.	48	NW.	2	12	2	1	6	18	3	7	11	0	16	2	12	9	7	7	3	0	0	2	0	13	0	0
December	9.1	N.	32	NW.	0	15	2	4	9	6	7	10	9	0	5	8	18	7	4	5	4	0	0	6	0	15	0	0
Year	10.2	S.	58	NW.	14	118	98	55	110	152	62	51	84	0	132	112	121	102	73	42	26	3	0	40	54	101	36	1

LITTLE ROCK, ARK.

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

January	9.7	W.	37	NW.	0	9	12	3	4	6	7	11	10	0	12	4	15	13	9	8	7	0	1	13	0	28	2	0
February	11.1	S.	51	NW.	1	7	6	9	10	12	5	3	3	1	10	5	13	4	4	0	0	0	1	2	0	9	3	0
March	9.9	S.	40	SW.	1	5	11	9	5	14	9	6	3	0	6	8	17	5	5	0	0	1	0	0	0	0	4	1
April	11.0	E.	52	W.	1	6	10	12	0	11	2	13	6	0	13	10	7	11	9	0	0	2	0	0	0	0	8	0
May	9.4	S.	35	S.	0	0	2	10	4	33	6	4	3	0	9	15	7	6	5	0	0	0	0	0	2	0	0	0
June	6.9	S.	38	N.	0	5	6	14	4	13	7	4	7	0	9	16	5	13	12	0	0	1	0	0	14	0	9	0
July	6.3	E.	33	N.	0	7	11	18	6	6	8	2	3	1	13	10	8	5	3	0	0	0	0	0	18	0	3	0
August	7.7	S.	39	NW.	0	4	0	10	10	17	13	1	7	0	11	10	10	9	6	0	0	0	0	0	18	0	10	0
September	7.8	E.	28	SE.	0	15	6	16	2	7	3	3	8	0	13	4	13	5	5	0	0	0	0	0	2	0	2	0
October	7.1	E.	29	SW.	0	6	14	17	1	6	7	6	5	0	13	4	14	11	8	0	0	0	2	0	0	0	1	0
November	8.2	N.	34	W.	0	9	7	9	9	6	4	7	9	0	16	3	11	6	6	0	0	0	2	0	0	0	1	0
December	9.0	S.	32	NW.	0	3	2	8	3	10	11	15	10	0	13	6	12	9	8	2	0	0	2	1	0	6	1	0
Year	8.7	S.	52	W.	3	76	87	135	58	141	82	75	74	2	138	95	132	97	80	10	7	4	8	16	54	43	44	1

LOS ANGELES, CALIF.

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

January	5.6	NE.	32	NW.	0	2	24	1	3	6	18	2	6	0	17	8	6	4	3	0	0	0	4	0	0	0	0	0
February	6.8	NE.	29	NE.	0	3	19	0	7	4	15	1	7	0	12	6	10	11	8	0	0	1	0	0	0	0	1	0
March	6.2	NE.	24	SW.	0	3	22	3	5	2	19	2	6	0	11	9	11	8	7	0	0	0	1	0	0	0	0	0
April	5.7	SW.	29	NW.	0	3	19	1	4	5	25	2	1	0	14	7	9	2	2	0	0	0	0	0	0	0	0	0
May	6.0	SW.	20	SW.	0	1	21	2	3	5	28	1	1	0	9	16	6	3	3	0	0	1	2	0	0	0	1	0
June	5.2	SW.	28	SE.	0	0	11	1	9	8	27	2	2	0	16	12	2	3	0	0	0	0	3	0	2	0	3	0
July	5.0	SW.	15	S.	0	0	6	4	4	4	36	3	5	0	15	14	2	1	1	0	0	0	0	0	1	0	1	0
August	5.5	SW.	17	SE.	0	1	12	3	3	6	30	3	3	1	21	8	2	2	0	0	0	0	1	0	2	0	0	0
September	5.5	SW.	24	NE.	0	2	18	2	4	2	26	2	4	0	13	8	9	4	4	0	0	0	2	0	5	0	2	0
October	5.2	NE.	19	NE.	0	1	23	4	2	3	20	4	5	0	19	8	4	0	0	0	0	0	2	0	5	0	0	0
November	6.9	NE.	38	NW.	0	1	30	1	7	4	15	3	9	0	17	6	7	5	4	0	0	0	1	0	0	0	0	0
December	6.2	NE.	24	NW.	0	1	29	0	4	2	8	3	15	0	21	5	5	3	3	0	0	0	0	0	0	0	0	0
Year	5.8	SW.	38	NW.	0	18	224	22	55	51	267	28	64	1	185	107	73	46	35	0	0	2	16	0	15	0	8	0

LOUISVILLE, KY.

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

January	13.2	(*) SW.	49	SW.	5	15	5	1	7	2	20	8	3	1	8	8	15	14	11	17	10	0	2	24	0	31	2	0
February	15.3	S.	65	W.	6	7	5	3	8	14	9	8	2	0	6	12	10	6	5	3	0	0	4	4	0	18	1	0
March	12.9	N.	68	SW.	5	16	9	3	2	14	6	7	3	2	13	7	11	8	7	0	0	1	2	0	0	6	6	1
April	15.3	N.	49	SW.	9	16	7	5	6	11	6	6	3	0	2	10	18	12	9	1	1	0	0	0	0	2	5	0
May	11.4	SW.	56	SW.	5	6	4	2	11	13	22	2	2	0	13	14	4	10	9	0	0	0	0	0	5	0	6	0
June	10.5	N.	60	N.	3	17	5	7	4	5	7	4	10	1	15	11	4	8	8	0	0	0	0	0	4	0	6	0
July	7.9	N.	36	N.	0	18	5	4	5	9	6	2	11	2	12	13	6	7	6	0	0	0	0	0	8	0	6	0
August	9.3	S.	48	SE.	3	5	8	5	6	16	14	3	5	0	18	10	3	9	7	0	0	1	0	0	19	0	11	0
September	8.9	N.	36	W.	0	19	6	3	6	7	7	3	9	0	13	7	10	9	7	0	0	0	2	0	0	0	1	0
October	10.2	S.	40	SE.	1	10	11	7	9	12	6	3	4	0	9	9	13	10	8	0	0	0	2	0	0	0	1	0
November	11.7	W.	50	SW.	2	7	7	2	12	5	9	13	4	1	10	6	14	6	4	0	0	0	2	0	0	7	0	0
December	12.4	S.	39	S.	0	7	4	5	10	19	6	8	2	1	7	6	18	13	11	4	1	0	0	3	0	9	1	0
Year	11.6	N.	68	SW.	39	143	76	47	88	127	118	67	58	8	126	113	126	112	92	25	12	2	14	31	36	73	46	1

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1918—Continued.

LUDINGTON, MICH.

[ϕ=43° 57′ N.; λ=86° 27′ W.]

Month.	Pressure.			Temperature.								Moisture.															
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	29.166	29.830	28.150	11.4	13.7	13.3	17.5	7.4	12.4	29	−11	9	10	10	91	86	86	0.065	0.067	0.066	3.21	0.07	8.3	8.9	8.3	8.3
February	29.280	30.080	28.370	16.8	21.3	20.7	27.0	11.7	19.4	45	−19	14	17	17	90	83	85	.095	.106	.103	1.40	.41	6.8	5.8	6.0	6.1
March	29.338	29.880	28.710	30.1	35.7	35.0	40.0	26.5	33.2	59	14	25	28	28	82	74	77	.139	.157	.159	2.17	1.12	4.0	3.6	3.6	4.0
April	29.329	30.010	28.670	36.8	45.1	41.5	49.1	31.3	40.2	64	21	29	29	28	73	58	60	.168	.172	.161	2.60	.90	4.7	4.7	4.3	5.0
May	29.274	29.700	28.480	51.3	55.6	55.7	62.8	44.6	53.7	80	33	46	49	48	83	81	76	.328	.366	.350	2.99	1.44	6.1	5.6	5.2	5.5
June	29.259	29.540	28.820	57.4	59.8	60.8	65.8	50.3	58.0	77	39	50	51	51	79	76	72	.373	.386	.384	1.64	1.02	4.9	4.7	4.6	4.8
July	29.348	29.560	29.080	62.9	66.3	67.1	71.3	56.1	63.7	83	45	55	55	54	77	69	64	.448	.451	.432	1.44	.64	4.3	3.9	3.6	3.7
August	29.310	29.688	29.030	64.0	70.9	69.8	76.0	58.4	67.2	88	50	56	58	58	77	65	68	.463	.491	.490	1.48	.64	4.0	4.2	3.7	3.9
September	29.354	29.838	28.950	52.7	57.4	55.0	59.9	47.6	53.8	72	37	47	47	46	82	70	72	.334	.335	.320	3.09	1.06	5.9	5.6	4.7	5.4
October	29.330	29.730	28.710	47.7	54.4	52.4	57.6	43.3	50.4	71	34	42	44	43	82	69	72	.277	.295	.288	2.84	1.76	6.2	5.8	4.7	5.7
November	29.274	29.709	28.260	39.6	43.3	42.2	46.1	36.4	41.2	59	22	34	35	35	80	74	75	.204	.215	.212	2.83	.58	7.1	6.6	6.0	6.9
December	29.321	29.850	28.790	31.8	34.5	33.7	37.8	28.8	33.2	50	17	28	29	29	85	80	82	.156	.164	.164	3.25	.96	8.4	7.8	7.7	8.0
Year	29.299	30.080	28.150	41.9	46.5	45.6	50.9	36.8	43.9	88	−19	36	38	37	82	74	74	.254	.267	.261	28.94	1.76	5.9	5.6	5.2	5.6

LYNCHBURG, VA.

[ϕ=37° 25′ N.; λ=79° 09′ W.]

January	29.172	29.650	28.280	22.2	28.9	28.3	34.8	19.1	27.0	50	0	14	19	20	69	65	68	0.085	0.107	0.109	4.42	1.24	6.3	4.5	4.7	5.9
February	29.366	29.880	28.480	34.2	43.8	45.0	52.4	30.0	41.2	80	6	26	30	33	70	59	63	.151	.180	.207	.53	.30	5.1	4.5	3.9	5.2
March	29.287	29.808	28.800	45.6	57.6	54.7	64.5	40.1	52.3	80	26	34	44	43	66	60	65	.214	.303	.288	2.41	.91	4.8	3.9	3.3	4.8
April	29.255	29.660	28.890	47.3	57.7	56.6	63.9	42.7	53.3	79	29	40	45	45	77	65	69	.260	.322	.320	4.97	1.18	6.3	6.0	5.6	6.8
May	29.361	29.702	28.940	65.5	76.7	72.0	81.8	58.3	70.0	94	37	57	58	58	75	55	65	.496	.505	.514	2.15	.69	4.0	4.7	5.1	5.1
June	29.223	29.518	28.780	67.1	77.3	74.2	82.1	60.4	71.2	97	48	59	59	60	75	55	62	.506	.512	.522	2.91	1.47	4.2	4.7	5.4	5.5
July	29.287	29.504	29.040	68.5	78.7	74.9	83.3	62.4	72.8	92	52	62	62	64	79	57	71	.555	.557	.606	3.75	1.23	4.9	4.6	4.3	5.3
August	29.326	29.673	29.130	72.0	84.1	77.4	88.6	66.5	77.6	105	51	65	64	66	78	54	70	.618	.612	.654	2.91	1.03	4.0	3.8	5.1	5.2
September	29.331	29.700	29.090	57.4	70.7	65.5	76.0	52.6	64.3	84	37	52	52	56	81	53	73	.395	.400	.467	2.61	1.07	3.8	4.3	3.6	4.8
October	29.389	29.711	28.890	53.3	67.7	62.7	72.7	49.2	61.0	87	30	47	48	50	80	52	65	.340	.357	.374	.95	.34	3.5	4.2	3.6	5.2
November	29.347	29.750	28.710	39.3	52.4	47.8	57.5	36.2	46.8	74	25	32	36	36	75	54	64	.186	.221	.220	1.26	.69	3.5	3.7	2.5	4.6
December	29.388	29.940	28.910	38.9	45.6	43.3	50.8	35.0	42.9	71	18	32	34	35	76	65	72	.188	.210	.216	2.59	1.05	6.3	5.9	4.8	6.5
Year	29.311	29.940	28.280	50.9	61.8	58.5	67.4	46.0	56.7	105	0	43	46	47	75	58	67	.332	.357	.375	31.46	1.47	4.7	4.6	4.3	5.4

MACON, GA.

[ϕ=32° 50′ N.; λ=83° 38′ W.]

January	29.589	29.970	28.720	34.0	44.7	43.2	49.5	30.4	40.0	74	10	30	30	32	83	58	66	0.184	0.196	0.208	5.40	1.94	6.1	6.4	4.4	5.9
February	29.775	30.150	29.310	47.0	59.8	58.1	64.7	43.5	54.1	82	23	42	40	42	82	54	58	.288	.282	.291	2.30	2.30	5.5	5.2	3.4	5.4
March	29.668	30.160	29.370	53.6	68.9	66.6	73.1	51.4	62.2	85	42	47	44	45	79	44	49	.337	.311	.320	.71	.22	6.0	4.6	2.5	5.0
April	29.584	29.840	29.410	56.1	68.5	65.3	71.6	53.1	62.4	83	37	50	48	50	80	51	60	.377	.362	.382	3.53	1.13	7.2	7.8	6.1	7.4
May	29.743	30.070	29.480	67.5	81.2	77.7	84.5	62.2	73.4	94	43	60	54	56	76	41	50	.521	.440	.471	.11	.09	4.0	5.3	3.8	4.6
June	29.560	29.800	29.290	73.9	85.2	82.2	89.6	68.2	78.9	98	63	66	63	63	76	50	57	.636	.587	.597	4.96	1.24	5.6	7.1	6.1	6.1
July	29.636	29.870	29.410	73.6	84.6	79.9	87.9	67.9	77.9	96	61	65	62	64	77	49	62	.635	.568	.612	3.57	1.00	6.6	6.3	5.9	6.2
August	29.689	29.900	29.510	74.8	87.0	81.2	90.3	69.2	79.8	98	58	68	64	67	78	49	64	.681	.616	.663	2.23	.88	3.9	5.4	5.1	4.5
September	29.646	29.980	29.460	64.9	77.1	72.2	80.3	60.5	70.4	90	47	59	58	59	82	55	65	.516	.504	.513	2.17	.91	5.0	6.2	3.8	5.4
October	29.690	29.920	29.360	63.0	75.2	70.5	77.5	60.3	68.9	89	47	58	57	57	84	56	65	.495	.488	.490	5.14	2.48	7.3	7.5	5.6	7.1
November	29.711	30.040	29.330	45.8	60.7	55.5	63.1	43.5	53.3	75	33	42	40	43	87	50	64	.277	.261	.285	4.31	1.80	3.7	4.8	3.9	4.4
December	29.746	30.110	29.300	46.1	56.1	52.9	58.9	42.9	50.9	72	27	42	42	43	86	62	70	.293	.301	.300	4.77	2.01	7.1	6.6	5.3	6.8
Year	29.670	30.160	28.720	58.4	70.8	67.1	74.2	54.4	64.4	98	10	52	50	52	81	52	61	.437	.410	.428	39.20	2.48	5.7	6.1	4.7	5.7

MADISON, WIS.

[ϕ=43° 05′ N.; λ=89° 23′ W.]

January	28.844	29.500	28.038	3.2	7.7	7.5	12.8	−1.6	5.6	34	−18	0	2	4	87	78	83	0.043	0.047	0.050	2.09	0.56	6.4	5.7	5.3	6.1
February	28.939	29.770	28.110	16.4	22.5	21.4	28.4	10.6	19.5	51	−20	12	15	15	84	73	76	.092	.101	.096	1.30	.48	5.8	5.7	5.2	6.0
March	28.903	29.570	28.350	31.3	41.9	41.1	47.1	28.7	37.9	72	6	25	27	29	77	58	63	.135	.149	.160	2.17	1.19	4.8	4.9	3.7	4.9
April	28.972	29.650	28.270	36.5	45.3	45.0	50.1	33.1	41.6	67	24	29	28	30	74	53	58	.166	.159	.168	2.63	.83	6.6	5.7	5.6	6.2
May	28.911	29.380	28.090	55.2	66.2	66.3	71.4	50.7	61.0	88	34	48	51	52	78	61	62	.361	.405	.413	4.87	1.27	6.4	6.8	6.0	6.7
June	28.929	29.240	28.590	60.7	69.8	70.0	74.7	57.1	65.9	92	47	52	54	55	75	60	61	.404	.437	.449	1.84	.87	7.0	6.8	5.1	6.3
July	29.020	29.270	28.830	65.0	73.8	75.1	79.7	60.9	70.3	92	51	57	58	58	75	59	57	.474	.490	.502	2.33	.86	5.5	5.2	4.6	5.1
August	28.970	29.330	28.710	66.6	77.6	75.8	82.5	62.8	72.6	97	54	60	61	60	80	58	61	.519	.541	.539	2.03	1.08	6.8	4.8	4.4	5.5
September	29.036	29.470	28.700	50.1	61.3	58.2	64.7	47.1	55.9	82	38	44	46	46	82	60	66	.302	.326	.321	1.52	1.11	6.9	5.9	4.4	6.0
October	28.989	29.340	28.300	47.1	57.3	55.1	61.5	44.3	52.9	78	32	41	42	42	80	61	63	.264	.281	.275	3.13	1.94	6.5	5.4	4.7	5.8
November	28.950	29.440	27.930	34.9	42.0	40.6	45.9	33.0	39.4	62	14	31	33	33	84	71	74	.183	.199	.200	1.17	.78	6.2	5.5	4.2	6.1
December	28.965	29.470	28.500	28.9	33.3	31.9	36.5	26.4	31.4	53	7	28	30	29	93	87	90	.155	.172	.169	2.19	.75	7.4	7.3	6.4	8.7
Year	28.960	29.770	27.930	41.3	49.9	49.0	54.6	37.8	46.2	97	−20	36	37	38	81	65	68	.258	.276	.278	27.27	1.94	6.4	5.9	5.0	6.1

Annual meteorological summary for the year ending December 31, 1918—Continued.

LUDINGTON, MICH.

[H_b=637 ft.; h_t=60 ft.; h_r=53 ft.; h_a=66 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	12.4	W.	38	NW.	0	6	8	11	7	0	3	18	9	0	2	6	23	20	13	24	20	0	0	31	0	31	0	0
February	12.5	S.	41	N.	1	11	3	3	7	14	5	6	7	0	5	14	9	9	7	16	8	0	1	16	0	27	0	0
March	11.4	S.	43	S.	1	12	6	8	3	16	12	3	2	0	16	7	8	6	4	7	3	1	0	5	0	23	3	1
April	10.1	E.	31	S.	0	15	8	15	6	4	6	3	2	1	12	7	11	9	8	4	1	1	2	0	0	16	1	3
May	11.4	S.	38	W.	0	7	5	5	12	21	3	5	4	0	10	10	11	14	11	0	0	0	2	0	0	0	7	1
June	9.4	S.	31	S.	0	13	3	6	5	18	4	4	6	1	12	11	7	9	6	0	0	0	0	0	0	0	5	1
July	8.0	S.	24	N.	0	12	6	4	4	22	2	5	7	0	15	14	2	8	7	0	0	0	1	0	0	0	6	0
August	8.9	S.	35	S.	0	11	3	9	10	20	2	5	2	0	14	14	3	9	7	0	0	0	1	0	0	0	11	3
September	9.4	N.	30	S.W.	0	16	6	3	7	12	2	8	6	0	13	6	11	13	11	0	0	1	0	0	0	0	2	2
October	10.9	S.	46	SW.	1	6	5	13	8	17	4	5	4	0	8	11	12	11	5	2	0	0	1	0	0	0	1	0
November	13.5	W.	40	S.	1	9	1	1	11	11	3	13	11	0	5	8	17	14	12	7	4	0	2	1	0	8	1	0
December	11.1	SE.	41	SW.	1	4	6	13	15	4	6	8	6	0	2	8	21	16	13	14	7	0	3	9	0	21	1	2
Year	10.8	S.	46	SW.	5	122	60	91	95	159	52	83	66	2	114	116	135	138	104	74	43	4	12	62	0	126	38	13

LYNCHBURG, VA.

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

January	6.9	W.	30	NW.	0	5	12	8	4	0	6	21	6	0	10	10	11	13	10	8	6	0	0	12	0	29	0	0
February	7.8	W.	47	NW.	1	4	4	3	1	4	9	18	13	0	14	5	9	6	5	2	2	0	1	3	0	13	0	0
March	8.4	W.	47	N.	2	8	3	7	3	3	15	9	14	0	14	8	9	13	13	0	0	0	0	0	0	6	1	1
April	8.1	W.	42	NW.	1	6	14	9	1	4	6	10	10	0	5	11	14	15	12	1	1	0	0	3	0	3	3	0
May	6.4	W.	31	N.	0	10	4	5	3	3	11	15	11	0	6	20	5	12	9	0	0	0	1	0	0	5	8	0
June	5.9	N.	30	W.	0	15	8	8	6	7	4	8	4	0	10	13	7	7	7	0	0	0	1	0	0	3	3	0
July	4.9	N.	39	SW.	0	16	5	11	3	8	4	6	9	0	9	12	10	13	11	0	0	1	4	0	2	0	8	0
August	5.3	W.	36	W.	0	14	6	8	3	6	3	16	6	0	12	12	7	9	7	0	0	0	5	0	15	0	13	0
September	5.0	N.	28	W.	0	12	6	10	4	3	6	9	10	0	14	8	8	7	7	0	0	0	6	0	0	0	3	0
October	6.1	W.	34	N.	0	10	7	8	2	8	9	9	9	0	13	8	10	6	5	0	0	0	2	0	0	1	0	0
November	6.6	N.	28	NW.	0	18	4	3	3	5	3	10	14	0	17	5	8	3	2	0	0	0	4	0	0	10	1	0
December	7.1	W.	37	NW.	0	5	9	13	2	5	6	9	11	2	8	7	16	12	9	1	0	0	4	0	0	11	1	0
Year	6.5	W.	47	NW.	4	123	82	93	35	56	82	140	117	2	132	119	114	116	97	12	9	1	31	15	25	73	41	1

MACON, GA.

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

January	6.8	S.	33	SW.	0	8	4	2	2	13	10	13	9	1	11	4	16	10	9	2	0	1	0	1	0	23	3	0
February	6.0	S.	26	W.	0	5	5	3	4	12	8	5	13	1	11	4	13	7	6	0	0	0	3	0	0	3	1	0
March	6.5	NW.	23	SW.	0	4	9	7	6	11	4	6	12	3	13	7	11	8	5	0	0	0	2	0	0	0	4	0
April	6.8	NW.	26	NW.	0	2	6	7	9	13	5	6	11	1	5	6	19	13	11	1	0	0	1	0	0	0	3	0
May	5.0	SE.	22	S.	0	5	6	8	18	13	8	3	1	0	14	8	9	4	1	0	0	0	1	0	4	0	4	0
June	5.0	E.	41	NE.	1	5	6	14	5	11	4	7	6	2	5	13	12	11	8	0	0	0	0	0	14	0	9	0
July	4.5	S.	28	W.	0	11	5	7	5	14	6	3	9	2	5	15	11	12	11	0	0	0	0	0	11	0	10	0
August	4.9	S.	33	SE.	0	6	9	8	7	12	9	4	6	1	16	7	8	6	5	0	0	0	1	0	18	0	9	0
September	5.0	NE.	26	W.	0	15	14	6	7	4	2	3	7	2	10	10	10	8	6	0	0	0	0	0	0	0	3	0
October	6.1	NE.	24	SE.	0	8	19	11	9	5	0	1	4	5	6	6	19	9	8	0	0	0	1	0	0	0	3	0
November	5.8	NE.	25	S.	0	13	12	5	2	3	3	9	13	0	14	6	10	11	10	0	0	0	1	0	0	0	0	0
December	6.4	SW.	23	SE.	0	6	9	4	5	5	11	12	7	3	8	4	19	8	6	0	0	0	3	0	0	3	0	0
Year	5.7	S.	41	NE.	1	88	104	82	79	116	70	72	98	21	118	90	157	107	86	3	0	1	13	1	47	29	49	0

MADISON, WIS.

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

January	11.7	NW.	48	N.	1	8	7	1	3	4	8	16	15	0	9	8	14	15	11	19	15	0	0	30	0	31	0	0
February	10.1	SW.	38	NW.	0	6	4	0	5	11	10	8	12	0	7	10	11	10	7	11	7	0	2	16	0	26	1	2
March	10.2	SW.	40	N.	1	8	7	8	3	10	15	1	10	0	15	5	11	7	4	4	4	0	1	4	0	22	3	3
April	11.0	NE.	33	NE.	0	10	13	6	12	1	5	10	3	0	8	8	14	11	7	4	3	0	0	0	0	15	0	2
May	9.9	S.	42	SW.	1	1	6	3	8	19	15	5	5	0	4	13	14	14	12	0	0	1	2	0	0	0	13	2
June	8.3	SW.	31	SW.	0	4	4	8	8	10	12	4	10	0	6	10	14	8	5	0	0	0	1	0	2	0	5	1
July	6.6	S.	31	NE.	0	6	10	4	6	11	7	7	9	2	12	7	12	12	9	0	0	0	0	0	3	0	5	3
August	7.5	SW.	35	NW.	0	[illegible]	1	8	8	7	15	4	6	0	9	13	9	6	4	0	0	1	0	0	5	0	7	4
September	8.4	NW.	27	NW.	0	[illegible]	1	3	2	7	13	11	11	0	7	12	11	7	5	0	0	0	2	0	0	0	1	0
October	9.6	SW.	40	NE.	1	[illegible]	4	7	11	12	9	7	0	13	4	14	10	6	1	0	0	0	2	0	0	1	0	1
November	11.1	S.	27	NE.	0	[illegible]	1	0	10	14	7	11	12	0	9	6	15	7	5	5	1	0	0	1	0	14	1	2
December	9.9	SE.	45	N.	2	[illegible]	5	3	15	8	9	8	7	0	1	6	24	11	9	10	5	0	7	10	0	24	0	2
Year	9.5	SW.	46	N.	6	73	78	48	87	113	128	94	107	2	100	102	163	118	84	54	35	2	17	61	10	133	36	22

Annual meteorological summary for the year ending December 31, 1918—Continued.

MANTEO, N. C.

[ϕ=35° 54′ N.; λ=75° 40′ W.]

Month.	Pressure.			Temperature.								Moisture.															
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January							42.3	26.5	34.4	58	7										2.20	0.74				
February							55.8	38.1	47.0	72	20										.48	.18				
March							61.4	42.6	52.0	83	30										1.32	.86				
April							64.0	47.1	55.6	82	27										7.16	3.48				
May							79.3	60.0	69.6	94	42										.78	.58				
June							80.3	60.7	70.5	95	49										4.36	2.74				
July							81.5	62.2	71.8	88	50										5.94	2.70				
August							86.4	70.2	78.3	99	60										7.80	4.62				
September							77.7	60.3	69.0	88	45										3.42	1.48				
October							74.7	56.6	65.6	82	39										1.45	.60				
November							60.1	45.7	52.9	70	32										1.96	1.31				
December							56.7	42.5	49.6	66	27										4.44	1.50				
Year							68.4	51.0	59.7	99	7										41.31	4.62				

MARQUETTE, MICH.

[ϕ=46° 34′ N.; λ=87° 24′ W.]

January	29.087	29.740	28.180	5.8		8.4	14.7	2.9	8.8	24	−19	4		5	90		86	0.050		0.053	4.77	1.28	8.3		6.8	7.4
February	29.171	29.910	28.410	9.4		13.6	21.6	4.1	12.8	47	−21	6		10	85		85	.066		.077	2.12	1.12	6.6		6.5	6.6
March	29.227	29.790	28.450	27.1		33.3	41.7	21.7	31.7	72	− 3	21		24	77		68	.116		.131	1.13	.52	5.8		4.0	5.5
April	29.289	30.032	28.500	35.3		38.7	45.1	29.9	37.5	65	17	26		27	67		63	.139		.149	1.37	.43	5.1		4.1	4.8
May	29.180	29.650	28.660	47.2	53.4	50.4	62.0	39.7	50.8	88	25	40	46	42	77	78	74	.261	0.348	.285	6.58	2.91	6.6	5.1	6.4	6.8
June	29.153	29.540	28.547	58.2	59.9	58.0	66.3	48.0	57.2	86	41	48	53	48	75	78	70	.339	.409	.335	2.51	1.96	5.6	6.4	5.5	5.6
July	29.251	29.500	28.960	62.7	65.5	64.7	72.1	53.7	62.9	96	44	54	58	56	76	80	74	.438	.500	.454	2.50	1.26	5.6	5.2	4.5	4.9
August	29.220	29.640	28.903	62.6	68.1	63.2	72.5	54.8	63.6	90	44	55	58	56	77	80	78	.436	.557	.458	3.20	1.02	5.4	6.1	5.3	5.3
September	29.263	29.812	28.840	48.4	53.1	49.3	56.2	42.4	49.3	75	32	44	45	44	85	84	84	.292	.346	.301	5.49	1.34	6.6	7.5	6.4	6.7
October	29.222	29.700	28.450	45.2	50.7	46.9	54.7	40.8	47.8	82	31	38	40	39	77	80	77	.236	.254	.247	3.91	1.62	6.5	7.7	6.1	7.0
November	29.150	29.690	28.400	35.3	39.3	37.5	43.0	31.9	37.4	59	14	31	34	32	85	80	79	.184	.206	.188	5.29	1.95	7.7	7.9	7.1	7.5
December	29.243	29.750	28.740	27.4	30.3	28.7	33.2	24.3	28.8	46	14	23	25	24	83	81	81	.128	.140	.131	2.94	.62	8.5	9.0	7.7	8.2
Year	29.201	30.032	28.180	38.6		41.1	48.6	32.8	40.7	96	−21	32		34	80		77	.224		.234	41.81	2.91	6.5		5.9	6.4

MEMPHIS, TENN.

[ϕ=35° 09′ N.; λ=90° 03′ W.]

January	29.599	29.990	28.970	24.3	29.8	30.1	34.9	20.4	27.6	62	−8	20	22	23	83	72	76	0.115	0.127	0.135	5.02	1.65	4.7	5.8	5.3	5.6
February	29.732	30.370	29.170	41.4	48.7	51.0	55.7	37.9	46.8	80	16	35	38	39	77	68	65	.229	.261	.267	2.24	1.84	5.4	6.0	4.2	5.3
March	29.661	30.120	29.315	51.9	61.6	62.5	68.1	48.1	58.1	84	34	42	46	47	70	57	60	.288	.331	.342	.70	.52	5.4	6.3	4.7	5.6
April	29.561	30.030	29.255	53.3	63.1	63.3	69.0	50.9	60.0	87	33	46	52	51	77	67	66	.330	.419	.396	4.57	1.94	7.0	5.7	5.1	6.1
May	29.656	30.060	29.290	69.0	77.9	79.1	83.3	65.8	74.6	92	43	59	64	62	71	63	58	.525	.597	.570	.99	.54	4.4	4.7	3.4	4.3
June	29.551	29.760	29.340	75.2	84.8	83.4	89.0	71.7	80.4	97	62	66	71	71	74	66	69	.647	.782	.768	3.96	2.53	4.3	3.9	4.0	3.9
July	29.632	29.840	29.420	73.3	82.6	83.2	88.0	69.9	79.0	96	61	63	65	63	72	57	53	.587	.622	.577	2.27	1.40	4.3	3.4	2.9	3.5
August	29.630	29.796	29.490	75.5	86.2	85.1	91.5	73.8	82.6	100	65	68	68	68	79	57	58	.694	.808	.682	2.56	1.16	2.6	3.4	3.3	3.2
September	29.666	30.030	29.400	61.2	73.3	69.8	76.5	58.6	67.6	90	45	54	64	57	79	74	66	.433	.614	.477	4.95	1.85	4.1	4.2	4.4	4.5
October	29.639	29.900	29.200	60.7	70.9	68.5	74.5	53.6	66.6	88	43	55	59	57	82	68	69	.454	.510	.478	2.57	.77	5.1	5.2	3.0	5.5
November	29.720	30.010	29.120	45.1	54.5	53.8	58.3	43.7	51.0	75	30	37	44	40	73	68	61	.226	.295	.263	2.75	1.12	4.6	4.6	3.3	4.7
December	29.692	29.980	29.270	45.5	52.0	53.0	57.2	43.1	50.2	75	23	39	42	42	78	72	68	.262	.296	.287	4.58	2.87	5.8	5.9	5.1	6.2
Year	29.645	30.370	28.970	56.4	65.4	65.2	70.5	53.5	62.0	100	−8	49	53	52	76	66	64	.399	.463	.437	37.16	2.87	4.8	4.9	4.1	4.9

MERIDIAN, MISS.

[ϕ=32° 21′ N.; λ=88° 40′ W.]

January	29.586	29.910	28.822	34.1	42.7	42.0	49.4	29.1	39.2	73	7	31	32	31	86	67	66	0.191	0.205	0.195	9.82	2.50	6.7	4.5	5.0	5.5
February	29.748	30.240	29.310	49.1	58.4	58.9	65.6	45.7	55.6	85	29	45	48	46	87	69	65	.327	.357	.338	1.72	.87	7.7	5.4	5.2	6.0
March	29.656	30.000	29.388	54.7	68.5	67.4	74.2	52.6	63.4	85	39	49	51	51	83	56	58	.369	.399	.391	.88	.36	6.4	3.3	3.6	4.2
April	29.566	29.835	29.360	56.2	66.7	65.7	71.6	52.7	62.2	87	32	52	54	54	87	65	67	.415	.441	.438	10.36	4.13	5.9	5.1	4.6	5.0
May	29.697	30.000	29.434	68.0	80.0	78.6	84.0	63.5	73.8	91	47	61	58	59	90	48	52	.554	.485	.515	1.66	1.64	3.8	5.7	2.6	3.9
June	29.558	29.740	29.340	75.3	86.6	83.2	90.8	70.3	80.6	98	62	60	66	67	81	51	61	.712	.644	.674	5.99	2.72	3.8	5.0	5.0	4.0
July	29.629	29.820	29.380	72.8	85.0	81.8	89.0	67.7	78.4	96	59	65	62	63	76	48	56	.619	.577	.593	.56	.19	4.8	5.0	4.6	4.5
August	29.660	29.833	29.480	74.4	85.9	83.5	90.7	70.7	80.7	99	64	69	65	67	83	[redacted]	80	.709	.625	.674	4.96	2.53	4.6	6.1	5.2	5.0
September	29.631	29.941	29.450	62.8	77.7	73.2	82.0	59.7	70.8	92	46	55	56	58	82		61	.495	.474	.495	4.13	2.17	3.8	4.6	4.5	4.3
October	29.617	29.870	29.330	64.3	74.2	70.1	77.2	61.7	69.4	89	46	60	61	63	86		79	.530	.554	.589	8.55	2.97	7.8	7.5	6.0	7.3
November	29.704	29.910	29.250	45.7	60.0	54.6	63.4	43.0	53.2	78	33	43	45	46	87		75	.275	.317	.326	4.23	1.14	4.6	5.0	4.2	4.8
December	29.720	29.970	29.310	46.8	56.6	53.8	60.7	43.7	52.2	76	26	44	46	46	88		74	.307	.334	.333	3.50	1.37	6.4	6.6	4.5	6.3
Year	29.648	30.240	28.822	58.8	70.2	67.7	74.9	55.0	65.0	99	7	54	54	54	84	59	64	.459	.451	.453	56.36	4.13	5.5	5.3	4.6	5.1

Annual meteorological summary for the year ending December 31, 1918—Continued.

MANTEO, N. C.

[H_b=12 ft.; h_t=5 ft.; h_r=3 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.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. 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		N.				8	4	1	2	1	6	4	5	0	14	1	16	10	9	1	1			6	0	22		
February		SW.				7	7	2	1	2	8	0	1	0	15	5	8	4	4	0	0			0	0	6		
March		NE.				6	10	3	1	4	5	0	2	0	15	7	9	4	4	0	0			0	0	2		
April		SW.				5	7	3	3	3	9	0	0	0	13	8	9	9	9	0	0			0	0	1		
May		SW.				3	7	3	2	1	15	0	0	0	19	4	8	3	3	0	0			0	5	1		
June		NE.				0	15	2	2	2	8	0	1	0	19	6	5	4	4	0	0			0	2	0	1	
July		NE.				3	11	3	3	1	8	1	1	0	19	6	6	6	6	0	0			0	0	0		
August		SW.				1	7	3	5	5	9	1	0	0	21	2	8	7	6	0	0			0	10	0		
September		NE.				9	10	4	1	4	2	0	0	0	16	6	8	7	7	0	0			0	0	0		
October		NE.				5	12	1	1	11	1	0	0	0	18	7	6	4	4	0	0			0	0	0		
November		N.				16	4	1	0	4	0	5	0	0	15	4	11	4	4	0	0			0	0	1		
December		N., S.				8	6	1	2	8	2	4	0	0	14	2	15	8	8	0	0			0	0	4		
Year		NE.				71	100	27	23	46	73	15	10	0	198	53	109	70	68	1	1			6	17	37	1	

MARQUETTE, MICH.

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

January	11.9	W.	38	NW.	0	1	4	1	11	3	13	13	16	0	4	11	16	20	17	25	20	0	0	31	0	31	0	1
February	11.1	NW.	47	SW.	1	1	0	3	11	7	8	9	17	0	5	11	12	13	7	17	13	0	0	21	0	27	0	1
March	12.3	NW.	46	NW.	1	3	1	3	5	7	15	5	23	0	10	8	13	9	4	8	6	0	0	8	0	25	0	1
April	9.6	NW.	31	SW.	0	2	4	7	12	6	4	9	16	0	12	10	8	11	10	9	7	0	1	5	0	20	0	1
May	11.8	NW.	52	S.	4	2	2	5	5	13	7	7	19	0	4	11	16	16	12	3	2	0	8	0	0	4	5	0
June	10.8	NW.	56	SW.	3	2	2	7	11	10	7	3	18	0	7	13	10	13	10	0	0	0	1	0	0	0	4	0
July	8.7	NW.	34	W.	0	3	2	7	7	8	9	4	22	0	11	13	7	9	6	0	0	0	1	0	1	0	4	0
August	8.0	E.	34	SW.	0	5	5	6	10	12	5	9	10	0	9	12	10	14	8	0	0	0	1	0	1	0	7	0
September	10.0	W.	29	NW.	0	5	3	1	4	3	9	19	16	0	4	14	12	15	14	1	1	2	0	0	0	0	1	0
October	10.5	W.	33	NW.	0	3	1	5	9	9	13	11	11	0	3	14	14	13	8	1	1	0	1	0	0	1	1	0
November	12.9	NW.	42	S.	1	2	1	1	8	9	12	10	17	0	2	9	19	16	13	11	9	0	2	3	0	18	1	0
December	10.0	W.	39	SW.	0	2	2	8	4	8	12	14	12	0	3	4	24	18	12	18	15	0	3	14	0	25	0	0
Year	10.6	NW.	56	SW.	10	31	30	54	105	89	114	110	197	0	74	130	161	167	121	93	74	2	18	82	2	151	23	4

MEMPHIS, TENN.

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

January	10.1	N.	48	NW.	1	18	6	6	4	7	10	7	4	0	13	3	15	13	11	8	5	0	1	15	0	28	2	0
February	10.9	S.	60	NW.	3	12	6	4	6	12	10	2	4	0	13	3	12	6	6	0	0	0	0	3	0	10	2	0
March	9.5	S.	44	W.	2	13	9	4	5	19	6	4	2	0	10	8	13	5	4	0	0	0	0	0	0	0	2	1
April	9.8	N.	52	W.	3	13	8	6	7	11	9	2	4	0	10	7	13	12	11	1	0	0	0	0	0	0	7	0
May	8.5	S.	33	SW.	0	3	4	6	9	25	13	0	1	1	15	9	7	3	2	0	0	0	0	0	0	7	4	0
June	6.5	N.	42	N.	1	14	9	5	3	8	11	2	6	2	14	11	5	6	5	0	0	0	0	0	0	12	5	0
July	6.1	N.	28	NW.	0	15	8	7	6	11	8	2	4	1	19	6	6	6	6	0	0	0	0	0	0	14	4	0
August	7.4	SW.	38	NW.	0	6	5	1	9	20	17	3	1	0	19	8	4	8	6	0	0	0	0	0	0	19	7	0
September	6.9	N.	38	NW.	0	21	11	8	5	9	2	1	3	0	15	5	10	9	8	0	0	0	1	0	0	1	2	0
October	6.2	E.	36	SW.	0	5	12	15	8	10	4	4	3	1	12	5	14	10	5	0	0	0	1	0	0	0	0	0
November	7.9	N.	44	SW.	1	15	11	1	14	6	6	2	4	1	16	1	13	10	7	0	0	0	0	0	0	1	1	0
December	9.7	SW.	38	SW.	0	6	6	7	7	11	18	4	3	0	10	6	15	11	8	2	1	0	0	1	0	6	0	0
Year	8.3	SW.	60	NW.	11	141	95	70	83	149	114	33	39	6	166	72	127	99	79	11	6	2	2	19	53	45	36	1

MERIDIAN, MISS.

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

January	7.6	(*) W.	47	SW.	1	11	3	6	7	7	7	12	9	0	11	9	11	14	12	1	1	1	0	3	0	20	5	0
February	6.9	SW.	25	NW.	0	8	11	4	6	9	11	3	4	0	6	11	11	12	6	0	0	0	0	0	0	4	3	0
March	6.3	SW.	24	SW.	0	11	10	4	5	7	12	4	7	2	15	12	4	4	3	0	0	0	1	0	0	0	2	0
April	6.4	N.	32	N.	0	10	5	8	7	7	5	3	9	6	11	11	8	10	8	0	0	0	1	0	0	0	6	0
May	4.8	SE.	20	SW.	0	6	3	6	16	14	9	2	0	6	16	13	2	3	2	0	0	0	0	0	0	3	2	0
June	4.5	SW.	33	SW.	0	8	7	4	2	5	16	7	8	3	9	19	2	11	7	0	0	0	0	0	0	18	10	0
July	4.4	NE.	27	N.	0	9	11	10	4	3	11	6	3	5	11	14	6	6	3	0	0	0	0	0	0	14	7	0
August	4.2	SW.	19	E.	0	3	2	11	8	5	17	8	1	7	11	10	10	10	7	0	0	0	0	0	0	20	5	0
September	4.4	NE.	35	NW.	0	7	16	11	5	2	8	1	2	8	13	9	8	7	6	0	0	0	0	0	0	4	4	0
October	5.2	NE.	27	SE.	0	4	17	10	8	3	2	4	1	13	4	8	19	14	11	0	0	0	0	0	0	0	4	0
November	5.2	NE.	33	SW.	0	13	16	7	5	1	7	5	1	5	13	8	9	10	9	0	0	0	1	0	0	0	2	0
December	6.3	SW.	44	SE.	1	3	7	10	5	6	15	5	10	1	5	14	12	8	6	0	0	0	0	0	0	6	1	0
Year	5.5	SW.	47	SW.	2	93	108	91	78	69	120	60	55	56	125	138	102	109	80	1	1	2	3	3	59	30	51	0

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1918—Continued.

MIAMI, FLA.

[ϕ=25° 48′ N.; λ=80° 12′ W.]

Month.	Pressure.			Temperature.								Moisture.													
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	30.018	30.290	29.710	59.0	69.1	63.9	71.2	54.5	62.8	81	32	52	55	55	79	61	74	0.428	0.458	0.463	0.85	0.43	3.3	3.3	2.5	3.4
February	30.135	30.350	29.950	68.3	74.2	71.4	75.8	65.1	70.4	80	45	62	63	64	83	69	77	.580	.588	.606	2.51	1.90	3.5	3.6	2.9	4.1
March	30.034	30.270	29.800	68.8	77.5	73.9	79.3	65.5	72.4	84	56	63	63	63	83	62	69	.581	.577	.576	1.48	.73	2.9	4.5	3.0	3.9
April	29.964	30.140	29.780	72.6	77.7	74.6	80.1	67.2	73.6	89	49	64	63	64	74	63	71	.608	.602	.624	4.49	1.85	3.3	4.2	2.8	3.8
May	30.056	30.190	29.930	76.6	78.6	76.4	79.6	72.9	76.2	82	63	66	66	66	69	65	70	.636	.636	.638	2.80	1.18	5.0	5.3	4.9	5.3
June	29.942	30.100	29.690	79.6	82.8	78.8	85.0	73.8	79.4	92	68	72	71	71	77	69	78	.781	.769	.770	6.17	2.08	5.4	6.2	6.5	6.1
July	30.002	30.180	29.830	80.8	84.3	80.4	86.6	74.3	80.4	90	69	74	73	73	79	69	78	.825	.808	.811	4.01	.92	5.3	6.1	6.9	6.0
August	30.028	30.160	29.840	81.6	85.3	81.6	86.9	76.1	81.5	92	71	74	73	73	78	68	76	.838	.821	.815	1.43	.46	5.2	4.9	4.5	5.5
September	29.946	30.050	29.810	79.6	83.7	79.1	85.1	73.9	79.5	89	69	73	74	73	80	72	82	.809	.825	.804	10.06	3.13	3.8	5.9	5.4	6.1
October	29.956	30.110	29.760	79.0	81.3	79.3	82.9	74.9	78.9	86	68	71	72	72	78	74	78	.771	.791	.779	4.82	1.84	5.7	6.2	5.0	6.2
November	29.999	30.130	29.840	70.3	72.5	73.3	78.0	66.4	72.2	82	54	63	63	65	80	63	75	.596	.587	.619	.60	.30	4.6	3.8	2.8	4.5
December	30.088	30.320	29.880	65.1	72.2	68.9	73.6	62.1	67.8	82	44	59	61	60	80	68	75	.514	.541	.544	4.11	1.65	5.5	5.5	4.8	5.6
Year	30.014	30.350	29.690	73.4	78.3	75.1	80.3	68.9	74.6	92	32	66	66	67	78	67	75	.664	.667	.671	43.33	3.13	4.5	5.0	4.3	5.0

MILES CITY, MONT.

[ϕ=46° 25′ N.; λ=105° 49′ W.]

January	27.497	28.040	27.040	7.8	....	12.2	19.1	2.4	10.8	49	−34	5	....	8	87	....	81	0.079	....	0.082	1.32	0.42	7.3	....	4.7	5.3
February	27.443	28.200	26.930	12.7	....	21.6	28.9	8.1	18.5	49	−36	10	....	16	87	....	78	.089	....	.113	.49	.47	4.3	....	5.8	4.8
March	27.421	27.990	26.950	29.9	....	46.5	52.9	29.1	41.0	75	−3	26	....	32	86	....	61	.150	....	.190	.54	.21	6.2	....	5.7	4.7
April	27.460	27.970	27.010	35.9	....	49.2	53.7	34.3	44.0	78	23	31	....	32	82	....	56	.181	....	.185	1.67	.90	6.4	....	7.0	6.4
May	27.377	27.700	27.000	47.1	....	63.3	67.1	44.5	55.8	90	31	41	....	41	79	....	49	.262	....	.260	1.75	.77	5.4	....	6.0	5.0
June	27.437	27.780	27.040	61.4	....	82.1	84.8	59.8	72.3	105	46	53	....	49	76	....	34	.417	....	.351	.61	.15	4.5	....	4.6	3.2
July	27.497	27.800	27.130	63.0	....	80.3	85.0	61.2	73.1	102	46	53	....	52	71	....	43	.409	....	.400	2.19	1.00	4.4	....	5.5	4.5
August	27.445	27.751	27.146	60.7	....	77.3	83.5	59.0	71.2	96	45	52	....	54	75	....	47	.400	....	.429	1.08	.32	4.0	....	3.3	3.1
September	27.591	27.880	27.218	48.3	....	64.8	70.4	47.4	58.9	94	36	44	....	49	84	....	61	.291	....	.359	.75	.51	4.1	....	4.9	4.3
October	27.483	27.747	26.870	41.5	....	57.2	64.4	40.5	52.4	81	25	38	....	45	87	....	67	.234	....	.314	.35	.11	4.1	....	4.1	3.9
November	27.495	28.150	26.880	23.2	....	32.7	40.0	21.8	30.9	62	−9	21	....	26	91	....	78	.121	....	.151	1.30	.51	4.7	....	3.1	3.8
December	27.491	27.920	27.040	24.4	....	31.2	39.5	22.4	31.0	56	−16	22	....	26	90	....	79	.125	....	.147	.65	.36	4.5	....	5.3	4.8
Year	27.470	28.200	26.870	38.0	....	51.5	57.4	35.9	46.7	105	−36	33	....	36	83	....	61	.230	....	.248	12.70	1.00	5.0	....	5.0	4.5

MILWAUKEE, WIS.

[ϕ=43° 02′ N.; λ=87° 54′ W.]

January	29.138	29.800	28.220	8.4	11.5	11.1	16.6	3.5	10.0	34	−11	6	7	7	87	78	82	0.058	0.058	0.059	5.38	1.82	6.1	5.2	5.2	5.2
February	29.247	30.080	28.400	19.8	25.1	24.7	30.4	13.9	22.2	50	−13	15	17	20	81	72	81	.103	.111	.119	2.32	.90	5.2	4.6	5.1	4.8
March	29.293	29.820	28.670	34.3	42.4	40.4	46.8	30.9	38.8	71	11	28	34	33	79	73	74	.160	.211	.196	1.80	.79	3.1	3.6	3.6	3.8
April	29.280	29.945	28.590	38.8	43.1	41.4	47.3	35.2	41.2	70	28	34	37	34	82	80	74	.196	.227	.196	3.15	1.14	5.4	4.8	4.3	5.2
May	29.228	29.680	28.470	52.9	61.0	58.3	67.7	46.7	57.2	80	35	48	53	52	83	77	81	.348	.423	.404	4.11	1.47	5.4	4.9	5.2	5.3
June	29.222	29.510	28.840	59.8	65.7	64.4	70.8	54.4	62.6	91	48	52	58	56	77	76	76	.398	.489	.463	.85	.40	4.6	5.3	4.1	4.9
July	29.313	29.550	29.130	65.6	72.1	70.0	76.7	59.9	68.3	93	51	57	59	58	74	65	68	.477	.521	.508	1.25	.40	4.7	4.0	4.2	4.1
August	29.265	29.630	28.980	68.9	75.0	73.9	81.0	64.1	72.6	101	55	61	62	62	76	66	69	.538	.566	.567	1.17	.33	5.5	5.6	3.3	4.7
September	29.325	29.770	28.960	52.8	61.7	58.6	65.3	49.7	57.5	83	40	45	47	47	75	61	67	.306	.336	.335	1.15	.85	5.4	5.2	5.1	5.4
October	29.291	29.640	28.650	49.8	58.7	55.7	61.7	47.8	54.8	81	35	42	44	45	77	61	70	.278	.292	.306	2.42	1.14	5.7	5.7	5.5	5.7
November	29.249	29.740	28.200	37.4	43.7	41.8	47.2	35.3	41.2	66	20	32	36	35	81	75	78	.193	.221	.216	1.37	.62	5.6	5.7	5.3	5.6
December	29.271	29.770	28.750	32.5	35.4	34.1	38.9	29.3	34.1	55	15	30	30	31	90	81	89	.172	.172	.181	3.03	.81	7.6	7.1	6.1	7.8
Year	29.260	30.080	28.200	43.4	49.6	47.9	54.2	39.2	46.7	101	−13	38	40	40	80	72	76	.269	.302	.296	28.00	1.82	5.4	5.1	4.8	5.2

MINNEAPOLIS, MINN.

[ϕ=44° 59′ N.; λ=93° 18′ W.]

January	28.940	29.610	28.340	....	5.8	6.7	11.6	−3.5	4.0	36	−22	....	−1	1	....	77	76	.....	0.045	0.047	0.38	0.10	....	5.6	5.5	5.9
February	28.968	29.850	28.400	....	20.6	23.4	27.8	8.1	18.0	48	−20	....	12	13	....	68	66	.....	.088	.093	.55	.35	....	5.2	4.5	5.1
March	28.989	29.590	28.360	....	43.0	43.1	48.2	29.9	39.0	68	4	....	24	26	....	49	53	.....	.135	.146	.93	.84	....	5.4	4.1	5.0
April	28.988	29.650	28.240	....	48.6	50.4	54.6	33.9	44.2	70	21	....	23	24	....	39	37	.....	.126	.133	.91	.41	....	4.7	4.9	4.7
May	28.852	29.370	28.300	....	65.0	65.8	70.3	49.9	60.1	88	33	....	51	51	....	66	64	.....	.404	.400	4.32	1.14	....	5.5	6.8	6.3
June	28.956	29.290	28.610	....	71.5	71.0	75.8	57.8	66.8	87	46	....	60	58	....	67	66	.....	.521	.503	2.83	2.12	....	6.0	5.8	5.7
July	29.024	29.270	28.760	....	75.2	75.7	79.7	61.6	70.6	94	51	....	61	60	....	62	60	.....	.549	.535	5.07	1.63	....	6.6	5.3	5.9
August	28.973	29.270	28.660	....	75.7	76.0	80.1	61.7	70.9	92	52	....	62	61	....	63	61	.....	.558	.540	3.73	1.41	....	6.2	4.9	6.1
September	29.079	29.470	28.840	....	60.6	59.1	64.5	45.7	55.1	81	36	....	48	46	....	64	64	.....	.346	.328	1.25	.87	....	5.9	5.2	5.8
October	28.999	29.360	28.120	....	54.4	53.2	58.7	43.1	50.9	81	28	....	40	39	....	61	62	.....	.254	.252	2.31	1.11	....	6.5	5.7	7.0
November	28.962	29.580	28.340	....	40.6	39.4	44.5	31.1	37.8	64	14	....	33	33	....	74	76	.....	.206	.205	4.06	1.50	....	6.3	6.0	6.8
December	28.998	29.450	28.510	....	30.2	29.3	33.9	23.2	28.6	49	8	....	25	25	....	80	82	.....	.137	.137	1.71	.56	....	8.5	7.3	8.5
Year	28.978	29.850	28.120	....	49.3	49.3	54.1	36.9	45.5	94	−22	....	36	36	....	64	64	.....	.281	.276	28.05	2.12	....	6.0	5.5	6.1

Annual meteorological summary for the year ending December 31, 1918—Continued.

MIAMI, FLA.

[H_b=25 ft.; h_s=71 ft.; h_r=64 ft.; h_a=79 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.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. 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	8.1	NW.	33	NW.	0	5	1	7	10	12	5	7	15	0	17	11	3	8	6	0	0	0	0	0	0	1	1	0
February	8.7	E.	22	N.	0	8	4	18	14	2	3	2	5	0	13	11	4	8	5	0	0	0	0	0	0	0	0	0
March	8.3	E.	34	NE.	0	2	4	12	8	6	7	14	9	0	15	12	4	8	7	0	0	0	0	0	0	0	7	1
April	9.2	E.	30	E.	0	6	2	14	5	16	6	8	3	0	15	10	5	9	7	0	0	0	0	0	0	0	8	0
May	12.6	E.	31	E.	0	0	9	44	7	1	0	0	1	0	8	15	8	10	7	0	0	0	0	0	0	0	1	0
June	7.0	E.	31	W.	0	2	4	15	4	7	9	12	6	1	8	10	12	15	13	0	0	0	0	0	0	2	13	0
July	6.6	E.	22	NW.	0	6	2	18	5	11	11	4	5	0	5	17	9	17	14	0	0	0	0	0	0	0	21	0
August	8.6	E.	29	E.	0	3	3	35	5	1	4	5	6	0	7	18	6	15	8	0	0	0	0	0	1	0	10	0
September	6.8	E.	34	E.	0	7	6	12	10	5	7	2	11	0	6	14	10	14	14	0	0	0	0	0	0	0	18	0
October	9.7	E.	28	E.	0	2	13	31	10	1	1	0	4	0	6	13	12	14	11	0	0	0	0	0	0	0	2	0
November	9.4	NE.	25	NE.	0	10	14	4	6	9	2	4	11	0	11	15	4	7	2	0	0	0	0	0	0	0	1	0
December	9.3	E.	28	E.	0	8	4	18	6	4	0	3	19	0	9	13	9	9	6	0	0	0	0	0	0	0	2	0
Year	8.7	E.	34	NE.	0	59	66	228	90	75	55	61	95	1	120	159	86	134	100	0	0	0	0	0	3	1	84	1

MILES CITY, MONT.

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

January	6.1	(*)	NW.	43	S.	1	8	8	1	5	9	4	10	15	2	8	17	6	16	10	14	13	0	0	22	0	30	0	0
February	6.3	S.	24	NE.	0	4	9	5	7	11	8	6	6	0	9	12	7	3	2	4	3	0	0	10	0	27	0	0
March	5.9	SE.	36	NW.	0	4	12	5	15	10	4	5	7	0	12	15	4	6	6	4	4	0	0	3	0	18	0	0
April	8.7	NW.	45	NW.	1	7	5	6	12	5	1	5	19	0	6	12	12	8	7	6	5	0	0	0	0	14	0	0
May	7.1	NW.	30	N.	0	6	13	2	9	2	10	7	13	0	11	12	8	11	9	2	2	1	0	0	1	1	1	0
June	6.0	N.	28	N.	0	12	7	10	8	3	4	9	7	0	18	12	0	10	7	0	0	0	0	0	10	0	7	2
July	5.8	E.	30	N.	0	11	12	20	4	3	3	4	5	0	12	14	5	9	7	0	0	0	0	0	10	0	5	0
August	6.2	N.	41	NW.	1	15	12	4	4	7	3	13	4	0	18	13	0	11	9	0	0	0	0	0	9	0	5	0
September	4.9	N.	20	N.	0	18	9	11	5	4	3	3	7	0	14	9	7	7	4	0	0	0	0	0	1	0	0	0
October	4.9	SE.	26	SW.	0	7	6	7	16	8	8	6	4	0	13	13	5	6	3	1	0	0	0	0	0	5	0	4
November	5.1	SE.	30	W.	0	4	3	3	17	13	5	10	5	0	15	10	5	7	6	7	6	0	0	8	0	26	0	2
December	5.8	SE.	33	NW.	0	7	7	5	13	12	6	7	5	0	11	10	10	6	4	5	4	0	0	7	0	27	0	0
Year	6.1	SE.	45	NW.	3	103	103	79	115	87	59	85	97	2	147	149	69	100	74	43	37	1	0	50	31	148	18	8

MILWAUKEE, WIS.

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

January	12.7	W.	44	N.	1	4	7	2	0	4	10	27	8	0	12	8	11	14	12	19	14	0	1	30	0	31	0	0
February	11.9	SW.	37	E.	0	8	2	4	0	8	14	13	7	0	13	8	7	11	10	11	6	0	2	15	0	25	0	0
March	11.9	SW.	46	N.	2	12	9	3	5	2	16	11	4	0	20	3	8	6	4	4	3	0	1	2	0	21	3	2
April	11.5	NE.	34	SW.	0	13	24	4	8	1	5	6	1	0	11	7	12	13	10	4	1	0	2	0	0	12	2	0
May	10.5	SW.	38	SW.	0	10	4	7	11	6	17	5	2	0	9	14	8	13	9	0	0	1	5	0	0	6	8	1
June	9.2	N.	34	SW.	0	18	8	3	6	3	9	11	2	0	9	15	6	8	4	0	0	0	0	0	1	0	3	0
July	7.9	W.	35	SW.	0	9	12	4	8	5	6	12	6	0	17	7	7	8	7	0	0	0	2	0	2	0	5	0
August	9.9	SW.	37	E.	0	13	5	13	3	3	12	10	3	0	11	14	6	9	7	0	0	0	0	0	5	0	6	0
September	9.5	W.	25	NE.	0	9	8	2	2	4	9	16	10	0	12	8	10	8	6	0	0	0	0	0	0	0	0	0
October	11.2	SW.	39	E.	0	8	4	7	3	6	16	12	6	0	11	7	13	8	4	0	0	0	3	0	0	0	1	1
November	11.0	W.	40	E.	1	4	1	2	5	8	14	17	9	0	10	7	13	6	4	3	0	1	2	0	0	9	2	1
December	11.1	W.	40	NE.	1	7	5	4	12	6	9	12	7	0	1	11	19	13	10	10	5	0	5	7	0	20	0	1
Year	10.7	SW.	46	N.	5	115	89	55	61	56	137	152	65	0	136	109	120	117	87	51	29	2	23	54	8	118	30	6

MINNEAPOLIS, MINN.

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

January	12.6	NW.	37	NW.	0	3	2	1	3	0	5	7	10	0	9	9	13	13	5	22	12	0	0	30	0	31	0	0
February	12.8	NW.	54	NE.	2	1	1	2	5	1	5	5	8	0	9	10	9	5	4	8	3	0	2	14	0	26	0	0
March	12.4	N.	42	N.	1	4	3	2	7	4	6	2	3	0	13	7	11	3	2	5	2	0	0	3	0	18	0	2
April	12.8	SE.	38	NW.	0	2	4	1	9	7	0	4	3	0	12	9	9	8	3	6	3	0	0	0	0	12	0	2
May	12.8	SE.	56	NW.	4	4	3	1	8	2	8	1	4	0	8	10	13	15	11	0	0	0	0	0	0	0	8	0
June	11.0	NW.	34	NW.	0	3	4	2	6	1	4	5	5	0	10	9	11	9	7	0	0	0	1	0	0	0	3	1
July	9.5	SE.	38	NW.	0	4	3	1	7	5	4	2	5	0	9	10	12	11	10	0	0	0	0	0	2	0	7	0
August	10.0	SE.	35	E.	0	3	1	1	10	3	4	4	5	0	6	14	11	13	11	0	0	0	0	0	3	0	9	1
September	9.9	NW.	40	N.	1	3	2	1	1	8	3	3	9	0	7	13	10	5	5	0	0	0	0	0	0	0	0	0
October	11.9	S.	38	NW.	0	6	1	2	1	9	1	3	8	0	5	9	17	11	8	2	1	0	2	0	0	2	2	2
November	12.9	NW.	37	NW.	0	3	2	0	3	9	2	5	6	0	6	10	14	10	8	5	1	0	0	4	0	16	2	0
December	11.2	NW.	41	NW.	3	6	3	2	2	4	3	3	8	0	3	4	24	14	12	16	7	0	3	12	0	25	0	2
Year	11.6	NW.	56	NW.	11	42	29	16	62	53	45	44	74	0	97	114	154	117	84	64	29	0	8	63	5	130	31	10

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1918—Continued.

MOBILE, ALA.

[ϕ=30° 41′ N.; λ=88° 02′ W.]

Month.	Pressure.			Temperature.								Moisture.														
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	29.935	30.270	29.128	40.5	49.8	47.5	55.2	36.2	45.7	75	17	36	39	39	84	68	73	0.236	0.267	0.258	3.87	0.96	4.8	4.8	3.2	4.8
February	30.093	30.470	29.790	55.1	62.4	60.4	66.8	51.9	59.4	79	36	52	54	53	89	74	79	.405	.433	.424	3.33	1.34	6.6	7.1	4.6	6.5
March	29.989	30.310	29.740	60.1	70.0	67.5	73.7	58.1	65.9	82	48	55	56	56	84	63	69	.451	.471	.470	.79	.34	5.7	5.8	3.7	5.7
April	29.901	30.110	29.690	61.0	68.8	65.9	72.5	57.1	64.8	83	38	57	56	58	86	64	76	.495	.472	.503	11.11	4.76	6.3	7.8	6.1	6.3
May	30.037	30.280	29.800	70.2	79.1	75.4	82.1	67.2	74.6	89	53	66	68	69	87	70	80	.655	.701	.709	2.90	2.22	2.8	4.6	4.9	4.5
June	29.887	30.050	29.690	77.7	87.7	82.6	91.0	73.0	82.0	101	62	72	75	74	84	68	75	.798	.885	.826	2.92	1.12	3.7	5.4	6.1	5.0
July	29.956	30.198	29.750	76.3	86.3	81.0	89.8	72.3	81.0	97	66	70	70	71	81	59	73	.732	.729	.768	2.85	.62	4.3	5.9	5.9	5.3
August	29.998	30.150	29.800	76.8	84.9	80.7	88.5	73.9	81.2	101	69	72	72	72	86	66	76	.790	.784	.793	14.16	3.31	4.4	6.0	5.9	5.5
September	29.945	30.230	29.720	68.9	79.1	75.8	82.3	66.3	74.3	89	51	63	64	65	83	61	71	.598	.605	.630	5.17	2.06	4.5	4.8	4.2	4.8
October	29.932	30.160	29.660	69.2	77.8	73.8	80.2	67.3	73.8	88	53	66	66	67	90	69	80	.654	.655	.674	10.57	4.25	6.2	6.0	6.4	6.7
November	30.027	30.230	29.660	52.5	63.7	60.6	67.4	50.6	59.0	78	41	47	50	51	82	63	72	.333	.375	.392	7.14	2.80	4.7	4.5	4.6	5.0
December	30.070	30.290	29.360	50.7	58.7	56.4	61.8	48.1	55.0	72	29	46	49	49	86	71	77	.341	.375	.376	4.92	2.03	5.2	6.8	4.8	6.3
Year	29.981	30.470	29.128	63.2	72.4	69.0	75.9	60.2	68.1	101	17	58	60	60	85	66	75	.541	.563	.569	69.73	4.76	4.9	5.8	5.0	5.5

MODENA, UTAH.

[ϕ=37° 48′ N.; λ=113° 54′ W.]

January	24.582	24.970	24.240	19.6	39.1	35.3	42.8	13.6	28.2	64	0	13	18	16	73	41	45	0.076	0.095	0.087	0.11	0.09	2.2	3.5	3.7	4.0
February	24.595	25.070	23.990	23.3	41.3	40.8	48.3	17.2	31.8	59	−5	14	16	14	67	41	36	.086	.097	.089	.97	.42	3.2	3.9	4.5	4.4
March	24.611	24.980	24.190	30.8	48.7	49.6	53.5	27.5	40.5	68	14	25	23	22	79	40	39	.134	.127	.127	1.60	.46	3.5	5.2	5.1	5.0
April	24.521	24.870	24.060	33.0	55.5	56.4	60.2	29.1	44.6	72	18	18	18	17	54	26	25	.098	.101	.095	.35	.32	3.3	4.4	5.0	4.5
May	24.500	24.760	24.294	37.5	63.1	63.5	67.0	34.9	51.0	80	25	21	19	18	53	21	18	.118	.105	.103	.69	.34	2.7	4.7	5.6	4.6
June	24.634	24.780	24.430	55.1	83.7	84.4	88.2	52.5	70.4	99	36	32	31	27	43	16	16	.199	.185	.166	.35	.31	3.2	4.3	3.8	4.0
July	24.667	24.800	24.480	55.5	80.0	79.1	84.1	53.4	68.8	94	45	38	37	34	56	25	26	.251	.235	.224	.93	.47	3.2	4.5	4.3	4.3
August	24.662	24.850	24.480	52.9	78.2	76.8	82.1	50.9	66.5	95	39	39	38	36	62	26	27	.256	.237	.227	1.26	.34	2.5	5.4	4.2	4.1
September	24.670	24.850	24.470	46.8	73.1	73.0	77.3	44.3	60.8	85	35	35	35	33	65	29	26	.214	.219	.201	1.22	.57	2.2	3.6	4.3	3.7
October	24.674	24.870	24.430	40.8	60.4	58.9	65.0	37.2	51.1	77	21	32	34	32	72	39	39	.195	.207	.195	.69	.47	2.8	5.4	3.1	4.9
November	24.607	24.960	24.230	24.4	44.0	39.1	47.8	20.0	33.9	70	8	16	19	20	70	41	50	.091	.102	.108	.30	.16	2.6	3.9	4.4	4.4
December	24.623	24.960	24.193	18.8	34.8	29.9	38.6	14.7	26.6	62	−12	14	20	19	79	56	64	.085	.109	.103	2.01	1.52	3.7	3.8	3.5	3.7
Year	24.612	25.070	23.990	36.5	58.5	57.2	62.7	32.9	47.8	99	−12	25	26	24	64	33	34	.150	.152	.144	10.48	1.52	2.9	4.2	4.3	4.3

MONTGOMERY, ALA.

[ϕ=32° 23′ N.; λ=86° 18′ W.]

January	29.751	30.110	28.835	36.5	44.3	43.9	51.0	32.3	41.6	77	12	32	34	33	81	66	66	0.202	0.219	0.210	8.34	3.57	7.2	5.6	3.6	5.6
February	29.920	30.360	29.492	50.4	59.7	60.2	66.1	47.0	56.6	84	31	46	46	46	86	64	63	.340	.344	.338	1.69	.74	7.3	5.6	3.4	5.5
March	29.818	30.230	29.560	57.5	68.4	68.4	74.2	54.5	64.4	85	44	51	50	49	81	54	53	.394	.379	.372	1.24	.95	6.7	4.1	4.2	4.7
April	29.723	29.910	29.492	57.5	66.5	64.8	71.0	54.2	62.6	85	35	51	51	52	90	60	64	.400	.402	.403	5.96	1.97	7.0	7.5	5.6	6.5
May	29.864	30.170	29.620	68.7	79.7	79.0	84.8	64.5	74.6	93	47	60	58	59	76	49	52	.544	.511	.511	1.34	1.20	3.3	4.7	3.5	4.3
June	29.697	29.910	29.470	74.6	86.0	84.6	91.0	70.3	80.6	100	60	68	66	66	90	53	56	.687	.651	.655	3.20	.76	5.7	5.7	6.3	5.9
July	29.782	30.000	29.547	73.3	84.3	82.7	88.8	70.2	79.5	97	62	66	64	64	78	52	56	.642	.587	.608	2.08	.93	5.9	5.3	5.4	5.7
August	29.829	30.010	29.610	75.0	86.8	83.0	91.2	72.1	81.6	100	63	69	68	69	82	55	64	.708	.688	.704	4.95	1.69	4.0	4.8	5.4	4.8
September	29.791	30.120	29.590	64.9	77.1	73.9	80.9	62.3	71.6	90	46	60	60	62	84	59	68	.530	.544	.564	2.66	1.03	4.7	5.4	4.1	5.4
October	29.801	30.030	29.500	65.4	74.7	71.6	78.4	63.3	70.8	88	48	60	61	60	84	65	69	.538	.558	.538	5.32	1.83	6.6	6.5	5.8	6.5
November	29.867	30.170	29.430	48.5	60.8	58.7	64.4	46.8	55.6	77	41	45	43	45	87	56	62	.304	.289	.302	6.08	2.45	3.9	3.8	4.4	4.7
December	29.903	30.190	29.440	47.4	55.6	54.5	59.0	45.5	52.2	73	29	45	44	46	91	68	73	.318	.318	.329	8.36	4.34	6.3	6.5	4.1	6.5
Year	29.812	30.360	28.835	60.0	70.3	68.8	75.1	56.9	66.0	100	12	54	54	54	82	58	62	.467	.458	.461	51.22	4.34	5.7	5.5	4.6	5.5

MOORHEAD, MINN.

[ϕ=46° 52′ N.; λ=96° 44′ W.]

January	29.024	29.690	28.280	−4.3	....	0.6	5.7	−9.5	−1.4	34	−30	−8	....	−4	84	....	80	0.034	....	0.041	0.61	0.19	6.7	....	5.1	5.5
February	28.999	29.800	28.398	5.6	....	16.9	24.2	−0.2	12.0	52	−23	2	....	13	83	....	83	.058	....	.095	.35	.11	5.9	....	3.7	3.6
March	28.991	29.602	28.382	26.4	....	40.9	48.5	23.8	36.2	74	−6	23	....	28	86	....	64	.130	....	.161	.37	.28	3.9	....	4.6	3.0
April	28.984	29.706	28.280	31.7	....	49.7	56.1	29.0	42.6	72	14	26	....	31	78	....	52	.142	....	.179	2.63	1.72	3.7	....	4.4	3.1
May	28.869	29.276	28.230	46.6	....	62.0	67.8	42.3	55.0	96	20	40	....	44	79	....	56	.263	....	.313	2.72	1.06	6.1	....	5.5	4.9
June	28.946	29.370	28.240	58.6	....	71.4	75.7	53.2	64.4	94	40	53	....	55	81	....	59	.406	....	.457	1.79	.69	4.7	....	3.6	2.9
July	29.015	29.260	28.547	60.5	....	75.4	80.0	55.4	67.7	99	46	56	....	60	85	....	59	.453	....	.519	2.68	.98	4.0	....	4.1	2.7
August	28.949	29.187	28.540	59.5	....	74.9	81.9	56.8	69.4	98	44	56	....	59	89	....	59	.464	....	.507	4.90	1.48	4.4	....	3.9	3.1
September	29.111	29.455	28.780	40.8	....	56.3	65.9	38.6	52.2	80	22	38	....	43	89	....	62	.234	....	.282	.29	.11	3.5	....	3.5	2.9
October	29.004	29.340	28.314	39.9	....	51.0	58.2	36.9	47.6	80	24	35	....	38	84	....	67	.213	....	.236	1.51	.39	5.8	....	5.0	4.9
November	28.971	29.710	28.500	28.3	....	33.4	39.6	24.9	32.2	65	8	26	....	30	92	....	89	.151	....	.176	1.27	.72	6.6	....	5.1	5.6
December	29.036	29.570	28.515	14.9	....	19.2	26.2	9.7	18.0	53	−20	13	....	16	90	....	87	.084	....	.100	1.30	.40	6.0	....	6.4	7.1
Year	28.992	29.800	28.230	34.0	....	46.0	52.6	30.1	41.3	99	−30	30	....	34	85	....	68	.219	....	.256	20.42	1.72	5.1	....	4.6	4.1

Annual meteorological summary for the year ending December 31, 1918—Continued.

MOBILE, ALA.

[H_b=57 ft.; h_t=125 ft.; h_r=119 ft.; h_a=161 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.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. 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	12.2	NW.	57	SW.	2	12	6	1	8	9	5	5	16	0	11	11	9	10	10	1	0	0	3	.....	.....	.....	2	0
February	10.5	S.	30	N.	0	10	8	1	4	19	8	1	5	0	3	15	10	3	8	0	0	0	7	.....	.....	.....	0	0
March	10.1	N.	34	N.	0	16	3	1	3	12	15	2	8	2	7	15	9	6	5	0	0	0	6	.....	.....	.....	0	0
April	10.7	S.	58	SW.	2	12	5	3	12	12	6	2	8	0	3	17	10	12	12	0	0	1	3	.....	.....	.....	10	0
May	9.3	S.	29	SE.	0	10	6	8	4	28	4	0	2	0	9	19	3	7	5	0	0	0	1	.....	.....	.....	2	0
June	8.3	SW.	60	E.	4	2	2	1	1	6	19	8	16	0	9	15	6	12	11	0	0	1	1	.....	.....	.....	12	0
July	7.6	SW.	37	SE.	0	14	7	1	1	11	15	7	5	1	10	12	9	12	11	0	0	0	0	.....	.....	.....	13	0
August	7.8	SW.	38	N.	0	6	7	7	3	10	15	4	10	0	8	13	10	15	14	0	0	0	1	.....	.....	.....	13	0
September	8.9	N.	34	N.	0	15	14	3	3	5	11	6	3	0	12	9	9	9	6	0	0	0	0	.....	.....	.....	4	0
October	10.0	E.	45	E.	1	9	9	13	7	11	5	2	6	0	5	11	15	16	14	0	0	0	1	.....	.....	.....	5	0
November	10.3	N.	39	S.	0	21	10	6	4	7	5	4	3	0	10	11	9	12	11	0	0	0	1	.....	.....	.....	2	0
December	10.1	NW.	48	E.	1	6	9	6	9	7	5	5	15	0	8	9	14	10	7	0	0	0	2	.....	.....	.....	0	0
Year	9.6	S.	60	E.	10	133	91	51	59	137	113	46	97	3	95	157	113	129	114	1	0	2	26	.....	.....	.....	63	0

MODENA, UTAH.

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

January	9.8	W.	39	NW.	0	9	13	8	1	0	8	19	4	0	16	6	9	4	1	7	4	0	0	3	0	31	0	0
February	12.8	SW.	60	SW.	8	1	6	10	0	6	15	16	2	0	11	11	6	7	5	6	4	0	0	1	0	25	0	0
March	11.6	SW.	52	W.	7	4	4	11	1	3	20	19	0	0	14	5	12	9	7	5	4	0	1	0	0	26	0	0
April	11.6	W.	58	S.	1	9	5	8	2	5	11	14	6	0	13	8	9	2	2	4	2	0	0	0	0	21	0	0*
May†	13.8	SW.	48	S.	8	1	3	4	1	9	18	21	3	0	12	12	7	4	3	3	1	0	0	0	0	7	3	0
June	10.5	W.	37	N.	0	4	1	3	2	6	13	26	4	1	13	10	7	2	2	0	0	0	0	0	0	9	5	0
July	11.2	SW.	48	S.	3	3	2	1	0	5	21	26	4	0	15	6	10	9	5	0	0	1	0	0	0	3	0	12
August	11.5	SW.	46	N.	2	4	2	3	3	9	20	20	1	0	14	8	9	11	9	0	0	3	0	0	0	5	0	14
September	9.3	W.	44	SW.	4	2	3	5	4	6	12	22	5	1	15	7	8	6	3	0	0	1	0	0	0	0	0	5
October	9.4	W.	34	N.	0	6	7	6	2	7	11	18	5	0	10	10	11	7	3	0	0	0	0	0	0	8	4	0
November	8.9	W.	48	S.	3	6	6	11	2	3	10	20	2	0	14	6	10	7	3	7	5	0	0	4	0	28	1	0
December	7.2	W.	34	SW.	0	9	10	10	3	0	8	20	1	1	15	11	5	8	6	10	7	0	0	7	0	30	0	0
Year	10.6	W.	60	SW.	36	58	62	80	21	59	167	241	37	3	162	100	103	76	49	42	27	5	1	15	17	176	44	0

MONTGOMERY, ALA.

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

January	8.1	(*) SE.	41	W.	1	10	3	3	14	7	5	10	10	0	10	10	11	11	9	2	1	1	0	2	0	19	3	0
February	7.4	SE.	25	SW.	0	9	3	6	10	9	9	5	5	0	10	8	10	12	7	0	0	0	0	0	0	1	1	0
March	7.2	SW.	24	SW.	0	10	5	8	8	5	15	7	3	1	13	10	8	3	3	0	0	0	1	0	0	0	1	0
April	7.4	SE.	29	N.	0	6	8	5	10	11	8	6	6	0	5	11	14	11	8	0	0	0	0	0	0	0	6	0
May	5.7	SE.	22	SW.	0	5	2	10	16	7	16	3	2	1	15	11	5	2	2	0	0	0	0	0	0	7	2	0
June	5.7	NW.	35	SE.	0	8	4	8	9	4	10	9	8	0	7	12	11	13	12	0	0	0	0	0	0	19	12	0
July	5.1	E.	25	SW.	0	8	6	12	7	7	6	12	4	0	8	11	12	11	7	0	0	0	0	0	0	13	7	0
August	5.2	SW.	37	W.	0	2	6	7	7	9	17	10	3	1	10	15	6	10	7	0	0	0	0	0	0	20	10	0
September	5.4	E.	33	SW.	0	11	11	11	11	8	1	1	5	1	10	10	10	8	6	0	0	0	0	1	0	0	5	0
October	6.8	E.	20	E.	0	3	11	22	16	2	2	1	3	2	6	13	12	13	8	0	0	0	0	0	0	0	2	0
November	6.4	N.	30	S.	0	14	9	13	5	1	6	8	1	3	14	7	9	10	10	0	0	0	0	0	0	0	3	0
December	6.9	SW.	22	NW.	0	2	4	9	10	3	12	12	7	3	6	12	13	9	8	0	0	0	1	0	0	2	0	0
Year	6.4	SE.	41	W.	1	88	72	114	123	73	107	84	57	12	114	130	121	113	87	2	1	1	3	2	59	22	52	0

MOORHEAD, MINN.

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

January	9.5	(*) NW.	30	N.	0	16	0	0	6	4	5	4	27	0	12	5	14	12	6	15	12	0	0	30	0	31	0	0
February	10.0	NW.	34	NW.	0	12	5	0	4	10	8	5	12	0	18	2	8	6	4	7	6	0	0	18	0	28	0	0
March	10.0	SE.	29	SE.	0	6	7	3	13	10	8	4	11	0	20	5	6	5	3	4	4	0	1	5	0	25	0	0
April	12.9	SE.	36	NW.	0	15	4	3	19	8	3	1	7	0	19	6	5	9	6	2	2	0	0	0	0	16	0	0
May	10.0	N.	30	SE.	0	12	4	7	11	8	4	5	11	0	12	9	10	12	10	0	0	1	0	0	2	4	5	0
June	8.4	NW.	30	NW.	0	9	5	6	11	7	3	8	11	0	18	11	1	12	10	0	0	0	0	0	1	0	4	0
July	7.2	SE.	27	SE.	0	12	10	4	14	6	3	3	10	0	22	5	4	8	8	0	0	1	0	0	3	0	7	0
August	7.3	SE.	36	N.	0	10	3	2	14	10	6	9	8	0	19	8	4	13	11	0	0	0	0	0	2	0	8	0
September	7.0	N.	30	NW.	0	17	6	4	7	5	4	6	11	0	19	7	4	7	3	0	0	0	0	0	0	5	0	0
October	9.2	NW.	39	NW.	0	14	4	4	9	6	3	6	16	0	14	7	10	10	10	0	0	0	0	0	0	8	1	0
November	9.8	NW.	32	SE.	0	8	3	2	13	3	10	6	15	0	11	6	13	6	4	5	3	0	1	6	0	26	1	0
December	7.7	N.	29	N.	0	17	11	3	3	10	3	6	9	0	9	5	17	10	9	11	10	0	0	21	0	31	0	0
Year	9.0	NW.	39	NW.	0	148	62	38	124	87	60	63	148	0	193	76	96	110	84	44	37	2	2	80	8	174	26	0

* By eye observations at this station.

† Modena, month of May, number of winds for only 30 days.

Annual meteorological summary for the year ending December 31, 1918—Continued.

MOUNT TAMALPAIS, CALIF.

[ϕ=37° 56′ N.; λ=122° 35′ W.]

Month.	Pressure.			Temperature.								Moisture.												
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	27.618	27.840	27.160	46.6	....	49.2	52.9	42.4	47.6	67	36	34	....	36	61	....	62	0.200	.....	0.216	1.06	0.57	1.3	....	2.8	3.7
February	27.541	27.910	27.150	40.4	....	44.7	47.2	37.8	42.5	62	31	33	....	36	79	....	77	.194	.....	.217	5.02	.89	3.1	....	4.8	6.0
March	27.541	27.880	27.120	44.4	....	49.3	52.1	41.6	46.8	70	30	36	....	39	76	....	72	.217	.....	.246	2.78	.84	4.2	....	4.5	5.8
April	27.519	27.710	27.250	48.5	....	55.3	59.1	45.1	52.1	76	22	33	....	36	59	....	52	.192	.....	.215	1.11	.79	1.8	....	1.7	2.6
May	27.513	27.700	27.351	48.8	....	55.5	60.5	44.8	52.6	79	36	33	....	36	62	....	54	.191	.....	.226	.01	.01	0.8	....	1.6	2.3
June	27.470	27.640	27.316	68.4	....	74.2	79.1	62.9	71.0	94	43	31	....	36	29	....	28	.180	.....	.223	.04	.04	1.3	....	1.2	1.8
July	27.516	27.690	27.402	62.3	....	69.7	75.1	56.8	66.0	87	43	38	....	42	45	....	39	.237	.....	.275	.00	.00	0.9	....	0.9	1.2
August	27.520	27.650	27.406	64.2	....	70.2	76.2	61.0	68.6	94	45	36	....	40	45	....	40	.227	.....	.256	.00	.00	1.0	....	1.2	1.7
September	27.514	27.650	27.365	57.6	....	62.6	66.9	53.4	60.2	80	46	47	....	49	73	....	65	.329	.....	.357	2.90	2.10	3.6	....	3.1	5.4
October	27.579	27.720	27.418	57.9	....	62.1	67.1	54.4	60.8	82	44	40	....	42	56	....	54	.259	.....	.286	.45	.24	1.5	....	2.5	3.4
November	27.580	27.950	27.190	46.7	....	48.1	53.0	43.6	48.3	70	36	36	....	38	68	....	71	.217	.....	.239	5.18	1.95	1.9	....	4.1	4.6
December	27.598	27.900	27.170	42.4	....	44.7	48.1	38.3	43.2	66	28	30	....	32	66	....	67	.174	.....	.187	2.78	1.27	1.1	....	2.6	4.1
Year	27.542	27.950	27.120	52.4	....	57.1	61.4	48.5	55.0	94	28	36	....	39	60	....	57	.218	.....	.245	21.33	2.10	1.9	....	2.6	3.6

NANTUCKET, MASS.

[ϕ=41° 17′ N.; λ=70° 06′ W.]

January	29.814	30.400	28.830	23.0	....	24.1	29.9	18.2	24.0	49	5	17	....	18	78	....	74	0.102	.....	0.097	2.71	0.70	6.6	....	3.8	6.4
February	30.051	30.700	28.970	26.7	....	28.4	35.1	20.3	27.7	52	— 6	22	....	24	80	....	81	.130	.....	.138	2.22	1.11	6.7	....	5.5	6.7
March	29.948	30.400	29.370	34.1	39.4	33.1	40.9	27.5	34.2	62	14	29	31	29	82	72	84	.166	0.178	.161	2.42	.98	3.9	4.5	3.7	6.1
April	30.035	30.591	29.560	43.2	46.8	40.6	49.3	37.5	43.4	63	32	37	38	37	81	74	88	.227	.238	.228	3.34	1.67	5.3	5.4	4.3	6.3
May	30.087	30.475	29.590	56.6	60.0	52.6	62.8	48.2	55.5	78	42	51	52	49	84	79	89	.386	.412	.358	1.44	.51	4.8	5.3	3.8	5.5
June	29.949	30.225	29.320	61.9	65.1	57.3	67.4	53.8	60.6	85	46	56	57	54	83	76	90	.460	.474	.426	3.19	2.15	3.9	4.8	4.7	5.6
July	29.981	30.232	29.680	66.8	71.5	63.9	73.6	60.5	67.0	88	51	64	66	63	92	84	97	.597	.648	.575	1.47	.63	4.9	4.1	5.1	5.2
August	30.055	30.440	29.660	68.5	70.2	65.0	74.5	60.7	67.6	88	52	63	61	62	83	72	90	.584	.582	.564	1.62	.92	4.4	3.8	3.4	5.3
September	30.043	30.350	29.630	62.1	65.8	60.7	68.3	56.0	62.2	77	44	56	56	56	80	71	84	.457	.458	.458	2.06	1.14	5.3	5.0	5.2	5.9
October	30.133	30.500	29.600	54.9	59.3	54.1	60.9	49.0	55.0	70	40	50	49	49	83	71	84	.370	.371	.363	2.12	.82	4.8	4.0	2.9	5.8
November	30.014	30.480	29.230	45.5	48.6	45.3	50.8	41.3	46.0	61	23	37	37	37	74	65	73	.237	.232	.227	1.53	.49	5.1	5.9	3.3	6.0
December	30.081	30.650	29.410	36.9	39.8	37.7	43.5	32.8	38.2	57	19	32	33	32	83	77	78	.193	.199	.188	3.65	.81	6.4	6.8	5.1	7.6
Year	30.016	30.700	28.830	48.4	....	46.9	54.8	42.2	48.4	88	— 6	43	....	42	82	....	84	.326	.....	.315	28.27	2.15	5.2	....	4.2	6.0

NASHVILLE, TENN.

[ϕ=36° 10′ N.; λ=86° 47′ W.]

January	29.398	29.800	28.660	23.1	28.7	28.5	34.8	18.0	26.4	56	—10	20	21	21	87	74	71	0.116	0.123	0.120	7.43	3.02	6.4	5.7	6.4	6.5
February	29.559	30.210	28.860	38.7	47.0	49.3	55.2	34.2	44.7	78	11	33	35	35	81	63	59	.217	.228	.235	1.54	.55	7.0	5.9	3.6	5.8
March	29.485	29.970	29.140	48.3	61.3	61.2	68.1	44.5	56.3	83	28	40	42	40	75	52	49	.271	.289	.265	1.86	.90	5.2	5.0	5.5	4.7
April	29.400	29.780	29.120	51.4	60.9	60.2	66.3	47.7	57.0	83	31	44	45	44	76	58	58	.307	.314	.308	3.39	1.34	6.2	6.9	5.4	6.7
May	29.518	29.896	29.171	55.6	77.1	75.5	81.7	60.2	71.0	93	39	58	58	58	77	54	57	.506	.497	.500	3.61	1.00	3.6	4.9	3.5	4.1
June	29.385	29.600	29.120	71.9	82.2	80.7	86.6	67.3	77.0	100	55	63	62	62	74	53	55	.584	.576	.566	2.70	.80	3.9	5.7	4.1	4.5
July	29.476	29.690	29.270	69.5	82.3	80.4	86.8	65.5	76.2	95	56	62	59	59	78	48	51	.570	.522	.514	3.63	1.24	4.1	4.3	5.1	4.3
August	29.482	29.710	29.340	74.0	87.6	84.4	91.3	71.2	81.2	99	58	66	63	64	76	45	53	.641	.583	.604	3.05	1.32	2.9	3.7	3.7	3.3
September	29.503	29.849	29.270	57.9	72.5	69.6	76.0	54.8	65.4	87	41	52	50	51	81	47	53	.396	.374	.388	3.75	1.88	3.8	5.0	4.6	4.6
October	29.495	29.760	29.136	57.3	69.1	67.2	72.9	55.1	64.0	87	42	52	54	53	84	62	64	.399	.434	.421	3.44	.85	6.0	5.8	4.0	5.9
November	29.547	29.800	29.940	42.0	52.8	51.0	56.6	39.3	48.0	70	29	35	36	35	78	54	56	.217	.222	.214	1.36	.77	4.5	4.8	3.7	4.6
December	29.528	29.890	29.050	42.8	50.0	50.8	55.4	39.5	47.4	69	23	37	38	38	81	65	64	.244	.252	.258	4.56	3.45	5.8	6.7	5.3	6.1
Year	29.481	30.210	28.660	53.5	64.3	63.2	69.3	49.8	59.6	100	—10	47	47	47	79	56	58	.372	.368	.366	40.32	3.45	5.0	5.4	4.6	5.1

NEW HAVEN, CONN.

[ϕ=41° 18′ N.; λ=72° 56′ W.]

January	29.751	30.330	28.640	16.6	23.0	20.3	27.2	12.3	19.8	50	— 7	10	11	11	74	59	65	0.076	0.080	0.072	3.61	1.11	6.0	5.2	3.3	5.4
February	29.952	30.610	28.820	24.3	29.6	28.1	36.1	17.6	26.8	55	— 7	18	17	20	76	57	72	.113	.105	.121	3.04	1.26	5.4	5.5	4.2	5.5
March	29.867	30.380	29.333	34.8	42.9	39.7	48.8	29.6	39.2	66	13	26	26	27	70	54	62	.146	.154	.156	3.32	1.06	4.6	4.8	3.3	4.7
April	29.928	30.460	29.460	45.5	51.6	47.2	56.5	39.1	47.8	75	31	36	36	36	71	58	67	.220	.215	.225	4.26	1.78	5.8	5.0	5.8	5.9
May	29.955	30.380	29.480	58.9	66.7	61.7	72.3	52.2	62.2	89	42	51	51	50	77	59	69	.388	.390	.383	3.32	1.36	5.8	5.0	5.1	5.2
June	29.831	30.130	29.290	63.2	68.9	64.8	73.7	55.6	64.6	90	46	54	54	55	73	61	73	.422	.432	.445	6.10	3.89	5.0	4.7	4.2	4.9
July	29.875	30.157	29.610	70.3	77.3	71.7	81.3	63.1	72.2	95	52	61	60	61	73	57	71	.539	.531	.562	4.31	2.78	4.0	4.1	4.2	4.3
August	29.935	30.360	29.580	70.6	77.3	72.8	81.1	64.3	72.7	95	54	62	62	65	75	61	77	.569	.573	.626	2.51	1.07	4.2	3.8	3.9	4.2
September	29.937	30.280	29.650	59.1	66.2	61.6	69.8	52.2	61.0	78	42	52	52	52	78	62	73	.406	.402	.407	6.16	2.06	5.4	5.0	3.1	5.1
October	30.016	30.449	29.510	52.2	61.1	56.7	65.4	46.7	56.0	77	36	45	47	48	78	62	75	.326	.347	.359	1.20	.42	5.3	4.2	3.8	5.1
November	29.917	30.470	29.020	40.5	48.3	44.6	51.9	36.9	44.4	64	24	33	34	34	73	58	67	.199	.203	.209	3.37	1.78	5.1	5.1	4.0	5.1
December	30.003	30.620	29.390	32.9	38.8	36.3	43.2	28.8	36.0	59	17	26	28	28	75	66	70	.152	.162	.159	4.21	1.34	6.1	5.8	3.5	5.5
Year	29.914	30.620	28.640	47.4	54.3	50.5	58.9	41.5	50.2	95	— 7	40	40	41	74	60	70	.296	.300	.310	44.91	3.89	5.2	4.8	4.0	5.1

Annual meteorological summary for the year ending December 31, 1918—Continued.

MOUNT TAMALPAIS, CALIF.

[H_b=2,375 ft.; h_t=11 ft.; h_r=5 ft.; h_a=31 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	23.0	N.	80	NW.	20	24	3	6	1	1	3	3	21	0	18	7	6	5	3	0	0	0	6	0	0	0	0	0
February	22.9	W.	76	NW.	18	3	7	3	6	7	8	11	11	0	8	7	13	15	15	2	1	0	14	0	0	2	0	0
March	12.8	SW.	58	SW.	7	6	6	4	8	2	12	9	11	4	9	7	15	14	12	2	0	0	12	0	0	4	0	0
April	19.0	NW.	74	NW.	19	6	3	0	1	3	4	20	23	0	22	4	4	5	5	0	0	0	5	0	0	0	0	0
May	19.9	NW.	88	NW.	18	11	0	0	0	0	3	14	34	0	22	7	2	1	0	0	0	0	7	0	0	0	0	0
June	14.2	NW.	80	NW.	9	4	1	0	0	0	6	19	30	0	23	7	0	1	1	0	0	0	1	0	2	0	1	0
July	13.7	NW.	55	NW.	6	1	0	0	1	0	15	22	23	0	28	3	0	0	0	0	0	0	3	0	0	0	0	0
August	15.3	NW.	56	SW.	4	4	2	0	1	0	13	4	37	1	26	2	3	0	0	0	0	0	5	0	1	0	0	0
September	10.3	NW.	35	W.	0	4	1	2	8	3	11	7	24	0	10	10	10	5	2	0	0	0	10	0	0	0	1	0
October	14.0	NW.	50	S.	3	10	4	2	0	8	5	5	28	0	18	7	6	4	4	0	0	0	9	0	0	0	0	0
November	16.4	NW.	60	SE.	9	14	4	1	5	4	2	6	24	0	12	9	9	12	9	0	0	2	11	0	0	0	2	0
December	18.7	NW.	70	SE.	8	18	6	3	4	5	1	2	23	0	15	8	8	9	6	0	0	0	10	0	0	3	0	0
Year	16.7	NW.	88	NW.	121	105	37	21	35	33	83	122	289	5	211	78	76	71	57	4	1	2	93	0	3	9	4	0

NANTUCKET, MASS.

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

January	17.9	W.	60	S.	5	9	6	1	5	1	3	24	13	0	5	14	12	11	9	8	7	0	3	21	0	31	1	0
February	18.7	SW.	56	SW.	6	3	2	0	7	3	16	12	13	0	5	9	14	9	7	7	3	0	6	10	0	26	1	0
March	17.4	SW.	46	SW.	6	5	8	2	3	2	17	12	13	0	10	9	12	8	7	6	4	0	9	2	0	27	2	1
April	18.3	NE.	58	NE.	4	5	14	7	7	1	15	5	6	0	11	5	14	11	9	1	0	0	11	0	0	1	2	1
May	16.3	SW.	37	SW.	0	2	4	2	8	8	30	4	4	0	10	14	7	12	10	0	0	0	15	0	0	0	4	2
June	15.1	SW.	42	SW.	1	3	12	3	7	4	16	12	3	0	7	13	10	6	4	0	0	0	9	0	0	0	4	0
July	13.2	SW.	43	NE.	1	4	14	1	1	6	29	6	1	0	14	9	8	11	9	0	0	0	21	0	0	0	2	0
August	13.6	SW.	37	NE.	0	6	9	6	6	8	23	4	0	0	14	6	11	7	5	0	0	0	12	0	0	0	2	0
September	14.7	NE.	42	SE.	2	4	14	6	6	7	11	7	5	0	9	9	12	8	7	0	0	0	6	0	0	0	1	0
October	15.7	SW.	47	NE.	2	6	11	3	7	8	17	5	5	0	13	6	12	11	10	0	0	0	8	0	0	0	2	0
November	16.6	NW.	47	SW.	3	3	10	5	5	4	5	9	19	0	9	9	12	9	8	0	0	0	3	0	0	0	0	0
December	16.7	NW.	56	NE.	5	9	11	1	7	5	8	9	12	0	6	3	22	16	13	6	2	0	7	1	0	14	1	0
Year	16.2	SW.	60	S.	35	59	115	37	69	57	190	109	94	0	113	106	146	119	98	28	16	0	110	34	0	99	22	4

NASHVILLE, TENN.

[H_b=546 ft.; h_t=168 ft.; h_r=161 ft.; h_a=191 ft.]

January	10.2	W.	43	NW.	2	6	9	2	8	4	7	12	14	0	7	11	13	13	11	14	8	0	0	14	0	27	3	0
February	12.1	S.	60	NW.	2	3	5	2	11	15	4	7	9	0	6	12	10	8	5	1	1	0	1	0	0	14	3	0
March	10.2	NE.	48	SW.	2	7	12	3	9	9	6	9	7	0	13	8	10	7	6	0	0	0	0	0	0	2	4	1
April	11.8	N.	44	NW.	3	8	11	5	8	6	9	6	7	0	3	16	11	12	11	1	1	0	0	0	0	1	8	0
May	7.6	S.	36	S.	0	2	8	6	9	15	10	9	3	0	15	12	4	12	10	0	0	0	2	0	4	0	12	0
June	7.8	W.	43	W.	1	7	10	4	6	7	6	10	10	0	11	14	5	8	6	0	0	0	0	0	10	0	7	0
July	6.7	NE.	37	N.	0	5	12	9	7	6	2	9	12	0	14	10	7	9	9	0	0	0	1	0	13	0	8	0
August	6.9	W.	40	S.	1	0	3	6	7	13	12	16	5	0	22	5	4	7	6	0	0	0	0	0	20	0	9	0
September	7.6	NE.	28	NW.	0	10	21	2	4	3	4	7	9	0	14	7	9	8	4	0	0	0	0	0	0	0	5	0
October	8.3	SE.	45	SE.	1	1	16	7	12	9	3	8	6	0	10	6	15	14	10	0	0	1	5	0	0	0	2	0
November	8.9	W.	41	S.	1	7	11	2	9	5	4	12	10	0	13	9	8	7	5	0	0	1	1	0	0	7	1	0
December	10.7	W.	34	W.	0	5	7	5	9	12	9	9	6	0	10	7	14	12	10	3	0	0	1	2	0	8	1	0
Year	9.1	W.	60	NW.	13	61	125	53	99	104	76	114	98	0	138	117	110	117	93	19	10	2	10	17	47	59	63	1

NEW HAVEN, CONN.

[H_b=106 ft.; h_t=117 ft.; h_r=111 ft.; h_a=155 ft.]

January	10.5	N.	47	SE.	1	15	7	2	1	2	12	14	8	1	9	12	10	12	8	16	11	0	0	21	0	31	1	0
February	10.1	S.	41	W.	1	9	4	1	6	11	7	9	8	1	6	13	9	11	7	7	4	0	1	13	0	25	0	0
March	10.7	NW.	50	NW.	3	9	6	2	5	11	6	2	21	0	14	8	9	9	6	5	4	0	3	9	0	14	2	1
April	10.0	N.	32	NE.	0	15	11	8	6	5	5	1	9	0	10	7	13	12	10	4	1	0	1	0	0	3	2	2
May	8.5	S.	34	S.	0	3	3	4	10	25	6	2	9	0	10	11	10	11	10	0	0	0	0	0	0	0	6	0
June	8.6	SE.	29	NW.	0	9	5	2	10	12	5	4	12	1	12	8	10	8	6	0	0	1	0	1	0	1	5	0
July	7.8	S.	34	SW.	0	12	4	1	6	14	10	3	12	0	13	11	7	9	8	0	0	1	0	0	2	0	10	0
August	7.8	S.	35	SW.	0	11	7	3	7	16	14	1	3	0	18	5	8	9	6	0	0	0	0	0	5	0	9	0
September	8.7	N.	27	SW.	0	15	3	3	6	9	7	8	9	0	14	7	9	12	9	0	0	0	0	0	0	0	4	0
October	8.2	S.	32	SW.	0	12	7	0	5	11	15	6	6	0	11	9	11	9	4	0	0	0	1	0	0	0	1	0
November	8.9	NE.	31	NW.	0	11	13	2	1	4	3	15	11	0	10	9	11	9	8	1	0	0	0	0	0	8	1	0
December	9.0	NE.	38	N.	0	13	25	1	0	3	4	8	8	0	10	8	13	15	9	7	4	0	0	2	0	20	0	0
Year	9.1	N.	50	NW.	5	134	95	29	63	123	94	73	116	3	137	108	120	126	91	40	24	2	7	36	8	101	41	3

Annual meteorological summary for the year ending December 31, 1918—Continued.

NEW ORLEANS, LA.

[ϕ=29° 58′ N.; λ=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.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	29.946	30.280	29.220	43.4	50.9	49.7	57.5	38.7	48.1	79	17	40	41	40	86	70	71	0.272	0.282	0.278	4.43	1.25	4.7	4.6	3.2	4.9
February	30.087	30.510	29.820	58.2	66.5	64.3	70.5	55.6	63.0	83	40	56	56	56	93	70	76	.470	.470	.477	2.21	.89	8.0	6.9	4.7	6.4
March	29.990	30.280	29.710	62.5	72.5	69.7	76.4	61.4	68.9	83	54	59	59	61	89	64	74	.513	.519	.541	1.69	.74	5.2	5.5	4.1	5.6
April	29.899	30.137	29.680	63.5	71.6	69.1	75.4	60.2	67.8	86	45	59	58	63	87	65	81	.539	.524	.592	10.73	2.80	5.7	6.1	4.6	5.8
May	30.022	30.270	29.774	72.3	81.2	76.8	83.6	68.4	76.0	88	56	66	66	68	83	60	76	.659	.628	.700	2.79	1.61	1.8	5.2	4.0	4.5
June	29.900	30.070	29.714	79.5	87.9	84.1	91.3	75.1	83.2	100	71	73	71	72	80	58	69	.808	.767	.800	2.45	.60	3.5	4.5	4.9	4.2
July	29.956	30.160	29.746	78.5	86.6	82.9	90.7	75.5	83.1	97	72	72	70	71	81	59	70	.784	.734	.774	2.03	1.01	4.1	5.3	5.3	5.3
August	29.990	30.150	29.810	78.6	85.7	81.5	89.3	74.8	82.0	98	70	74	73	74	85	68	79	.833	.816	.843	6.19	2.16	4.5	6.5	5.8	6.7
September	29.944	30.230	29.760	71.8	80.8	77.4	84.0	69.8	76.9	94	55	66	68	66	82	68	70	.652	.717	.654	4.82	2.38	3.8	5.7	4.5	4.8
October	29.918	30.160	29.590	70.2	78.4	73.9	80.8	68.5	74.6	88	55	67	67	67	90	69	81	.677	.671	.678	11.07	4.15	5.7	7.3	6.2	6.4
November	30.025	30.230	29.650	56.1	65.7	62.2	68.7	54.7	61.7	81	44	52	52	54	87	65	75	.398	.418	.431	4.46	2.18	5.1	5.0	4.7	4.8
December	30.067	30.280	29.650	52.7	61.2	58.4	63.9	51.1	57.5	80	34	49	54	53	88	78	83	.374	.440	.424	8.46	4.83	6.4	6.3	6.0	6.5
Year	29.979	30.510	29.220	65.6	74.1	70.8	77.7	62.8	70.2	100	17	61	61	62	86	66	75	.582	.582	.599	61.33	4.83	4.9	5.7	4.8	5.5

NEW YORK, N. Y.

[ϕ=40° 43′ N.; λ=74° 00′ W.]

January	29.538	30.060	28.500	18.5	23.2	21.8	28.8	14.5	21.6	50	− 5	11	12	11	71	60	62	0.078	0.079	0.075	3.41	1.16	6.1	6.0	4.0	6.2
February	29.730	30.360	28.650	27.4	31.3	31.2	38.2	21.1	29.6	58	− 7	18	18	19	65	57	59	.115	.112	.118	1.98	.86	5.1	4.6	5.3	5.9
March	29.651	30.170	29.070	36.9	45.1	43.2	50.7	31.8	41.2	74	16	27	28	27	65	53	54	.152	.163	.157	1.51	.63	5.0	4.6	3.6	5.3
April	29.686	30.210	29.210	46.8	53.3	50.1	58.0	41.7	49.8	76	30	35	35	36	65	53	61	.213	.216	.222	3.78	1.29	6.0	5.7	7.0	6.9
May	29.731	30.127	29.250	60.7	68.6	63.9	72.9	55.0	64.0	86	42	52	53	52	74	59	67	.398	.414	.401	3.37	1.30	4.6	5.6	5.8	5.8
June	29.609	29.916	29.050	63.3	69.7	66.8	74.0	58.8	66.4	91	47	51	52	51	67	56	61	.396	.413	.396	4.12	1.55	5.5	4.5	4.6	5.4
July	29.657	29.925	29.420	69.9	76.7	73.0	80.3	65.1	72.7	94	56	59	59	59	70	56	64	.514	.505	.515	3.61	2.66	4.7	4.8	5.1	5.7
August	29.710	30.110	29.400	71.5	78.5	75.1	82.4	67.3	74.8	102	60	62	61	64	73	58	69	.575	.561	.609	1.70	.63	3.6	3.7	4.7	5.2
September	29.708	30.019	29.430	60.3	66.8	63.1	70.2	55.5	62.8	80	44	52	51	52	75	59	68	.406	.391	.398	3.54	1.48	5.7	5.6	3.5	6.3
October	29.787	30.192	29.280	55.0	62.8	59.2	66.1	51.0	58.6	75	40	47	46	47	76	57	66	.346	.340	.345	.83	.41	4.3	4.3	2.1	5.0
November	29.700	30.190	28.830	42.8	48.5	46.3	51.8	39.6	45.7	65	27	34	33	33	70	56	61	.204	.201	.203	2.04	1.36	5.3	5.0	3.4	5.6
December	29.779	30.380	29.210	36.2	40.9	39.5	45.5	32.5	39.0	61	21	28	29	28	71	62	64	.163	.167	.166	3.70	1.15	5.5	5.5	4.0	6.5
Year	29.690	30.380	28.500	49.1	55.4	52.8	59.9	44.5	52.2	102	− 7	40	40	40	70	57	63	.297	.297	.300	33.59	2.66	5.1	5.0	4.4	5.8

NORFOLK, VA.

[ϕ=36° 51′ N.; λ=76° 17′ W.]

January	29.849	30.360	28.990	28.1	31.4	32.1	38.9	24.4	31.6	63	5	22	23	22	76	72	68	0.127	0.129	0.126	2.77	0.59	6.2	6.4	4.7	5.5
February	30.055	30.610	29.190	39.6	47.6	45.6	53.4	34.0	43.7	75	8	33	33	34	77	59	64	.208	.212	.216	.26	.18	4.5	3.8	3.1	4.4
March	29.957	30.540	29.460	48.4	56.0	52.7	62.8	42.5	52.6	81	23	41	36	40	76	51	63	.275	.235	.264	3.68	1.10	4.6	4.9	3.1	4.6
April	29.903	30.360	29.440	52.9	60.2	56.3	64.6	48.3	56.4	81	34	46	45	46	79	61	71	.332	.323	.330	4.81	1.80	5.8	6.1	4.5	5.3
May	30.021	30.340	29.620	66.8	75.6	70.2	80.1	60.9	70.5	93	46	58	57	59	75	55	71	.510	.487	.523	2.97	1.85	4.3	4.1	3.9	4.7
June	29.864	30.170	29.370	70.0	77.5	72.0	81.4	63.7	72.6	97	56	60	56	60	71	51	69	.535	.479	.539	3.25	2.16	4.5	4.2	3.6	4.5
July	29.922	30.168	29.650	72.2	79.3	74.5	83.3	66.8	75.0	91	60	64	61	64	77	56	72	.612	.547	.615	3.06	.84	4.3	4.3	3.8	4.8
August	29.955	30.290	29.680	75.7	83.3	78.5	87.8	71.3	79.6	105	62	69	68	70	81	62	75	.721	.702	.741	2.48	1.19	4.7	4.0	4.2	4.6
September	29.962	30.300	29.710	65.7	72.8	67.7	77.0	61.2	69.1	87	48	59	57	60	79	60	77	.510	.480	.532	3.12	1.32	3.7	4.0	2.7	4.1
October	30.046	30.360	29.580	60.9	69.9	63.8	72.8	57.5	65.2	84	48	55	54	55	81	58	74	.445	.429	.449	.79	.48	4.3	5.6	3.7	5.2
November	29.894	30.350	29.330	47.9	54.5	52.8	58.4	45.5	52.0	75	35	41	39	41	77	56	65	.268	.248	.273	.77	.39	4.6	4.4	3.6	4.8
December	30.048	30.580	29.550	44.0	49.7	48.3	54.1	40.7	47.4	74	26	40	40	40	84	70	73	.260	.268	.266	2.94	1.08	5.3	6.2	5.0	6.4
Year	29.965	30.610	28.990	56.0	63.1	59.5	67.9	51.4	59.6	105	5	49	47	49	78	59	70	.400	.378	.406	30.90	2.16	4.7	4.8	3.8	5.0

NORTHFIELD, VT.

[ϕ=44° 10′ N.; λ=72° 41′ W.]

January	28.866	29.550	28.030	2.4	12.2	6.6	16.9	−4.7	6.1	37	−33	0	5	3	87	70	83	0.047	0.055	0.049	1.85	0.82	7.9	6.7	5.6	7.8
February	29.016	29.660	27.810	10.7	18.7	16.5	27.8	−0.2	13.8	57	−24	7	10	11	86	68	79	.071	.077	.085	2.05	.81	7.3	8.1	7.2	7.9
March	28.997	29.432	28.470	23.4	33.0	29.3	40.0	14.7	27.4	60	− 4	17	18	19	74	54	64	.095	.101	.106	1.43	.80	6.2	6.4	5.2	6.0
April	29.107	29.591	28.560	37.8	48.3	41.4	52.9	28.9	40.9	71	17	29	26	29	70	46	63	.167	.150	.166	2.28	.93	5.5	5.1	5.7	5.6
May	29.085	29.520	28.490	56.4	65.2	59.2	70.0	44.7	57.4	85	27	47	46	49	72	51	70	.341	.330	.361	3.13	.90	6.8	6.8	7.4	6.3
June	28.991	29.337	28.340	57.2	65.5	59.3	69.1	45.4	57.2	87	28	48	47	50	73	54	72	.349	.338	.365	3.16	.79	5.7	6.1	5.9	6.2
July	29.056	29.317	28.770	64.9	74.9	66.3	77.9	54.2	66.0	93	38	59	58	60	82	58	82	.506	.466	.531	1.77	.46	5.7	6.5	6.6	6.8
August	29.119	29.580	28.820	61.7	72.8	63.4	76.7	50.8	63.8	95	34	57	60	59	84	64	87	.474	.526	.517	6.71	3.22	5.1	5.5	4.9	5.7
September	29.096	29.500	28.660	50.8	58.6	52.1	62.3	42.4	52.4	78	27	47	48	48	87	69	87	.331	.348	.344	5.10	1.72	7.0	7.7	6.5	8.9
October	29.155	29.623	28.580	44.3	54.2	48.7	58.6	36.5	47.6	74	23	40	40	42	86	63	83	.265	.270	.280	5.21	1.75	6.9	6.7	5.5	8.0
November	29.039	29.630	28.170	32.8	40.4	35.1	42.5	26.3	34.4	57	4	28	29	30	84	64	80	.160	.169	.169	2.25	1.41	8.1	7.3	6.9	7.9
December	29.156	29.770	28.530	21.3	27.7	24.1	32.2	14.8	23.5	51	− 4	18	20	20	86	71	83	.108	.111	.114	2.24	.87	8.5	7.4	6.8	7.8
Year	29.057	29.770	27.810	38.6	47.6	41.7	52.2	29.5	40.9	95	−33	33	34	35	81	61	78	.243	.248	.257	37.18	3.22	6.7	6.7	6.2	7.1

Annual meteorological summary for the year ending December 31, 1918—Continued.

NEW ORLEANS, LA.

[H_b=53 ft.; h_1=76 ft.; h_r=71 ft.; h_a=84 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Minimum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. 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	8.6	NW.	30	S.	0	8	10	1	7	10	9	2	15	0	12	8	11	12	9	1	0	0	2	0	0	8	5	0
February	7.3	S.	23	SW.	0	6	13	0	7	15	11	1	3	0	4	13	11	8	4	0	0	0	1	0	0	9	0	0
March	6.6	SW.	20	SW.	0	2	14	6	7	10	16	3	4	0	9	13	9	9	5	0	0	0	6	0	0	0	4	0
April	7.3	S.	25	NW.	0	9	7	4	12	11	4	6	7	0	10	10	10	12	7	0	0	0	1	2	0	0	8	0
May	6.1	SE.	22	SE.	0	2	7	2	32	13	6	0	0	0	8	22	1	6	4	0	0	0	0	0	0	0	3	0
June	5.1	SW.	44	NE.	1	3	4	1	3	9	23	13	3	1	9	19	2	8	5	0	0	0	0	0	19	0	10	0
July	5.4	SW.	23	N.	0	4	9	1	11	7	13	11	3	3	9	14	8	13	8	0	0	0	0	0	21	0	10	0
August	4.8	SE.	32	NE.	0	2	3	4	12	16	10	7	5	3	2	17	12	14	12	0	0	0	0	0	14	0	17	0
September	6.3	NE.	22	NE.	0	5	18	2	9	6	11	1	7	1	12	11	7	5	4	0	0	0	1	0	6	0	1	0
October	6.5	SE.	30	E.	0	6	7	8	21	9	3	1	6	1	6	11	14	14	13	0	0	0	0	0	0	0	5	0
November	7.5	NE.	24	NE.	0	5	17	10	8	5	3	5	5	2	13	9	8	7	7	0	0	0	0	0	0	0	1	0
December	6.8	NW.	31	E.	0	7	8	5	10	10	3	5	12	2	8	6	17	6	6	0	0	0	6	0	0	0	2	0
Year	6.5	SE.	44	NE.	1	59	117	44	139	121	112	55	70	13	102	153	110	114	84	1	0	1	18	0	60	8	66	0

NEW YORK, N. Y.

[H_b=314 ft.; h_1=414 ft.; h_r=407 ft.; h_a=454 ft.]

January	20.2	NW.	84	SE.	10	6	10	2	1	0	6	13	24	0	8	10	13	11	10	17	9	0	2	19	0	31	1	0
February	21.7	NW.	81	W.	11	3	2	2	4	6	10	8	21	0	5	13	10	9	7	6	3	0	5	8	0	22	0	0
March	20.1	NW.	87	NW.	9	4	6	5	3	4	14	6	20	0	9	11	11	11	9	3	2	1	1	0	0	15	2	1
April	15.5	NE.	52	NW.	5	6	14	7	6	2	7	5	13	0	5	10	15	12	9	4	3	0	3	0	0	4	1	1
May	12.4	SW.	54	NW.	5	5	3	8	5	19	12	7	5	0	6	14	11	12	12	0	0	1	3	0	0	0	6	0
June	16.2	NW.	55	NW.	7	3	8	4	8	8	10	4	15	0	8	12	10	8	8	0	0	0	2	0	1	0	6	0
July	13.1	SW.	43	NW.	3	6	6	3	4	10	12	5	16	0	7	15	9	8	7	0	0	0	0	0	3	0	8	0
August	13.6	SW.	54	NW.	3	7	8	4	8	12	13	6	4	0	9	14	8	8	6	0	0	0	1	0	5	0	5	0
September	15.6	NW.	43	SW.	2	4	5	8	7	6	8	10	12	0	5	14	11	9	9	0	0	0	1	0	0	0	4	0
October	15.4	S.	49	N.	7	10	4	3	5	17	10	4	9	0	10	14	7	7	5	0	0	0	5	0	0	0	1	0
November	18.4	NW.	55	NW.	10	4	2	6	5	4	5	17	17	0	10	9	11	7	5	0	0	0	1	0	0	4	1	0
December	17.8	NW.	75	NW.	9	2	8	10	1	7	5	15	14	0	7	10	14	11	6	3	2	0	4	0	0	14	0	0
Year	16.7	NW.	87	NW.	81	60	76	60	57	95	112	100	170	0	89	146	130	113	93	33	19	2	28	27	9	90	35	2

NORFOLK, VA.

[H_b=91 ft.; h_1=170 ft.; h_r=178 ft.; h_a=205 ft.]

January	13.4	W.	67	SE.	4	11	10	3	5	2	12	14	5	0	11	8	12	13	10	6	4	0	2	10	0	27	0	0
February	14.8	NE.	58	W.	3	9	13	1	9	11	9	1	3	0	15	5	8	4	3	2	1	0	1	2	0	12	0	0
March	14.5	S.	60	NW.	3	6	12	5	8	11	10	2	8	0	11	15	5	15	12	0	0	0	1	0	0	2	3	2
April	14.8	NE.	42	NW.	2	3	14	4	12	8	8	4	7	0	8	9	13	12	9	0	0	0	1	0	0	0	1	0
May	12.5	S.	44	S.	2	5	10	2	11	13	17	1	3	0	11	13	7	7	7	0	0	0	2	0	4	0	6	0
June	12.7	SE.	60	W.	2	7	9	7	15	7	8	2	5	0	13	12	5	7	5	0	0	0	3	0	3	0	5	0
July	9.3	SE.	46	W.	1	6	7	8	15	5	9	5	7	0	13	10	8	11	11	0	0	0	0	0	3	0	9	0
August	10.2	SW.	38	NW.	0	3	10	11	9	9	11	4	5	0	12	13	6	9	6	0	0	0	1	0	11	0	10	0
September	10.4	NE.	40	W.	1	8	9	6	13	8	4	4	8	0	13	12	5	7	7	0	0	0	1	0	0	0	2	0
October	12.8	NE.	41	S.	2	3	15	4	17	5	10	2	6	0	10	12	9	5	4	0	0	0	3	0	0	0	1	0
November	13.2	N.	38	S.	0	10	11	1	9	4	9	7	9	0	12	8	10	2	2	0	0	0	0	0	0	0	0	0
December	14.1	NE.	44	NW.	2	11	13	3	6	7	9	9	4	0	7	9	15	11	8	1	0	0	4	0	0	3	0	0
Year	12.7	NE.	67	SE.	22	82	133	55	129	90	116	55	70	0	136	126	103	103	84	9	5	0	19	12	21	44	37	2

NORTHFIELD, VT.

[H_b=876 ft.; h_1=12 ft.; h_r=3 ft.; h_a=60 ft.]

January	6.6	S.	31	SW.	0	15	4	0	1	27	9	1	5	0	4	6	21	9	5	15	9	0	0	30	0	31	0	2
February	9.2	S.	48	SE.	2	14	2	1	1	20	13	0	5	0	4	5	19	13	11	19	10	0	0	16	0	27	1	0
March	8.3	N.	34	NW.	0	22	3	0	1	19	11	1	5	0	4	18	9	9	8	12	9	0	0	10	0	31	0	1
April	8.3	S.	32	S.	0	16	4	0	5	24	7	0	4	0	12	7	11	10	9	7	5	0	0	0	0	21	0	5
May	8.6	S.	44	SW.	1	9	7	0	4	28	10	0	4	0	5	15	11	15	13	0	0	0	1	0	0	3	6	2
June	7.4	S.	36	SE.	0	12	6	2	1	22	11	1	5	0	4	14	12	14	9	0	0	0	1	0	0	1	3	0
July	5.6	S.	24	SE.	0	14	6	2	0	34	4	1	1	0	3	15	13	10	10	0	0	0	7	0	2	0	10	0
August	6.6	S.	32	NW.	0	13	10	1	1	33	2	1	1	0	9	13	9	10	7	0	0	0	1	0	1	0	4	1
September	6.5	S.	34	S.	0	11	2	2	1	32	6	1	5	0	0	6	24	17	12	0	0	0	6	0	0	3	2	1
October	7.3	S.	32	S.	0	6	5	2	1	27	13	2	6	0	3	7	21	15	14	0	0	0	2	0	0	14	3	1
November	6.9	S.	28	S.	0	18	1	0	1	20	12	1	7	0	2	10	18	12	10	8	3	0	0	1	0	22	0	2
December	6.1	S.	35	NW.	0	16	1	0	0	28	11	1	5	0	4	6	21	16	11	18	11	0	0	12	0	29	0	0
Year	7.3	S.	48	SE.	3	166	51	10	17	314	109	10	53	0	54	122	189	150	119	79	47	0	18	69	3	182	29	15

Annual meteorological summary for the year ending December 31, 1918—Continued.

NORTH HEAD, WASH.

[ϕ=46° 16′ N.; λ=124° 04′ W.]

Month.	Pressure.			Temperature.								Moisture.												Cloudiness.			
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.					
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	29.883	30.230	29.100	45.4	....	46.3	48.6	42.4	45.5	55	26	44	....	44	95	....	92	0.292	.....	0.294	7.47	1.37	8.0	....	8.4	8.5
February	29.733	30.100	28.970	40.5	....	44.2	46.3	38.0	42.2	53	29	38	....	40	92	....	87	.235	.....	.252	9.60	1.84	7.1	7.5	7.6	7.2
March	29.763	30.200	29.180	42.6	47.3	45.3	46.7	40.4	43.6	55	32	41	45	41	93	92	86	.256	0.296	.261	5.62	1.29	7.8	7.7	7.2	7.3
April	29.878	30.300	29.460	45.4	50.0	49.2	52.4	43.4	47.9	78	38	43	45	45	91	85	87	.278	.302	.304	1.40	.41	6.1	4.8	5.9	4.9
May	29.892	30.130	29.631	47.8	50.7	50.6	52.5	46.4	49.4	63	42	45	47	47	91	87	88	.303	.320	.323	1.66	.29	7.7	7.5	7.4	7.0
June	29.835	30.170	29.490	51.7	55.2	55.5	57.1	50.5	53.8	70	46	49	52	51	92	90	85	.352	.382	.373	.39	.19	7.2	6.4	5.2	6.8
July	29.825	30.030	29.631	54.6	57.8	57.9	59.2	53.5	56.4	66	46	53	55	55	95	91	90	.404	.434	.432	.67	.16	7.9	5.2	5.2	7.1
August	29.850	30.080	29.490	56.8	59.4	58.3	61.0	54.8	57.9	88	51	54	56	56	92	88	91	.421	.441	.443	1.55	.49	6.4	4.8	5.6	6.7
September	29.795	30.040	29.628	54.3	58.7	56.0	61.0	51.5	56.2	83	47	52	54	53	92	86	92	.384	.414	.405	T.	T.	2.9	4.9	3.8	6.5
October	29.851	30.130	29.240	52.1	54.6	53.6	56.3	50.2	53.2	63	45	50	52	52	94	94	94	.365	.397	.385	4.34	1.06	6.5	7.1	6.0	8.2
November	29.787	30.290	28.720	47.4	50.1	49.4	52.0	44.6	48.3	59	38	45	46	46	90	88	88	.298	.316	.307	6.62	1.25	6.1	6.4	7.2	7.2
December	29.847	30.260	29.120	43.1	46.0	45.2	47.9	40.9	44.4	52	31	40	42	42	91	88	89	.257	.276	.270	7.81	1.76	6.8	6.4	6.4	6.8
Year	29.828	30.300	28.720	48.5	....	51.0	53.4	46.4	49.9	88	26	46	....	48	92	....	89	.320	.....	.337	47.13	1.84	6.7	....	6.3	7.0

NORTH PLATTE, NEBR.

[ϕ=41° 08′ N.; λ=100° 45′ W.]

January	27.030	27.520	26.680	9.6	19.3	17.4	26.4	3.1	14.8	66	−25	5	12	11	81	70	74	0.065	0.084	0.080	0.54	0.23	4.1	5.7	4.6	5.7
February	27.057	27.730	26.440	17.9	30.9	34.2	43.6	14.6	29.1	73	−17	13	19	21	80	60	59	.089	.111	.117	.28	.09	3.2	4.6	3.0	4.0
March	27.059	27.660	26.460	31.0	50.8	54.3	61.7	29.1	45.4	80	15	25	26	26	78	40	38	.136	.141	.145	.32	.22	4.4	4.1	4.1	3.8
April	27.062	27.610	26.608	35.2	46.6	47.1	52.9	32.5	42.7	70	25	29	29	30	79	55	55	.162	.165	.174	2.51	1.00	6.6	6.9	6.1	6.6
May	26.971	27.350	26.405	50.6	67.2	68.8	75.6	47.5	61.6	92	33	44	44	44	81	50	48	.304	.309	.302	2.30	.78	5.5	5.2	5.5	5.1
June	27.083	27.350	26.780	63.1	79.8	82.9	87.4	60.1	73.8	103	44	56	57	58	78	48	45	.452	.478	.499	2.18	.68	3.4	2.5	2.6	2.5
July	27.136	27.380	26.810	64.0	79.1	81.8	86.8	62.6	74.7	99	54	60	60	60	86	55	49	.516	.527	.518	1.88	.85	5.6	3.5	4.5	4.0
August	27.089	27.320	26.850	61.4	79.1	81.7	87.5	60.4	74.0	102	47	56	59	60	85	51	49	.466	.503	.523	1.73	.88	4.4	3.1	3.1	2.9
September	27.190	27.490	26.800	46.1	64.8	64.9	73.3	44.5	58.9	90	25	41	43	43	83	49	50	.261	.279	.288	.38	.17	4.7	4.6	4.2	4.3
October	27.126	27.420	26.534	43.3	60.3	58.7	68.1	40.8	54.4	89	21	40	42	42	87	54	59	.254	.273	.279	1.43	.87	5.5	4.7	4.8	4.9
November	27.105	27.620	26.580	26.3	41.4	39.4	49.6	24.1	36.8	72	6	21	25	25	80	55	58	.123	.142	.141	.29	.20	2.8	3.9	3.6	4.0
December	27.097	27.400	26.500	22.2	31.4	29.0	39.0	18.0	28.5	69	− 6	18	21	21	83	68	73	.105	.116	.117	1.31	.39	3.7	5.8	3.9	5.6
Year	27.084	27.730	26.405	39.2	54.2	55.0	62.7	36.4	49.6	103	−25	34	36	37	82	55	55	.244	.261	.265	15.15	1.00	4.5	4.6	4.2	4.4

OKLAHOMA, OKLA.

[ϕ=35° 26′ N.; λ=97° 33′ W.]

January	28.710	29.210	28.270	20.2	28.6	27.2	35.1	14.8	25.0	63	− 7	16	18	18	86	66	70	0.098	0.104	0.103	0.95	0.61	4.2	4.8	3.5	4.2
February	28.773	29.430	28.100	34.5	47.5	47.4	56.2	30.0	43.1	88	2	25	26	24	70	45	43	.149	.145	.142	.07	.05	4.5	3.6	3.2	3.9
March	28.716	29.290	28.220	44.9	63.4	61.6	69.2	42.4	55.8	90	25	34	35	34	69	39	41	.210	.214	.219	1.55	.83	4.9	5.7	3.9	4.6
April	28.648	29.210	28.220	47.3	62.3	60.9	67.4	44.5	56.0	88	33	39	38	37	73	46	47	.247	.249	.235	2.45	1.12	5.5	5.3	5.7	5.2
May	28.652	29.100	28.323	63.8	77.1	76.5	81.5	60.6	71.0	96	43	56	55	56	77	51	52	.478	.472	.475	8.31	4.14	6.4	5.8	6.2	5.6
June	28.659	28.930	28.370	73.3	88.8	87.1	93.0	69.6	81.3	104	62	64	62	63	75	44	48	.605	.572	.586	3.09	.87	4.5	4.2	3.5	4.1
July	28.728	28.930	28.568	72.7	90.6	89.1	94.8	70.8	82.8	103	62	60	60	58	65	38	37	.523	.528	.486	.13	.08	5.2	4.9	3.3	4.3
August	28.690	28.870	28.518	74.6	93.9	91.2	98.8	72.5	85.6	105	61	61	59	57	64	33	34	.541	.504	.469	1.91	1.30	2.8	3.7	3.0	2.8
September	28.773	29.110	28.400	58.5	75.3	71.2	79.8	56.3	68.0	97	41	51	52	52	77	47	53	.387	.403	.411	4.28	1.93	4.1	3.8	4.1	3.9
October	28.727	29.060	28.120	56.5	71.7	65.8	75.3	55.2	65.2	89	34	52	53	54	85	56	68	.402	.425	.431	5.31	3.78	4.8	5.5	4.4	4.9
November	28.791	29.190	28.160	42.0	53.1	48.7	56.0	40.4	48.2	74	27	37	39	40	84	61	73	.241	.260	.267	3.53	2.64	4.4	4.5	4.1	4.8
December	28.762	29.020	28.390	35.6	46.2	42.5	50.0	31.7	40.8	71	0	31	33	34	84	63	72	.190	.198	.205	3.04	1.25	4.5	4.3	3.9	4.6
Year	28.719	29.430	28.100	52.0	66.5	64.1	71.4	49.1	60.2	105	− 7	44	44	44	76	49	53	.339	.340	.336	34.62	4.14	4.6	4.7	4.1	4.4

OMAHA, NEBR.

[ϕ=41° 16′ N.; λ=95° 56′ W.]

January	28.818	29.490	28.370	9.0	15.4	15.5	21.4	4.0	12.7	51	−22	5	6	7	81	64	68	0.060	0.064	0.067	0.65	0.24	5.1	5.4	4.6	5.2
February	28.845	29.730	28.020	20.6	29.5	30.9	38.3	16.7	27.5	67	−11	14	18	21	75	60	67	.097	.114	.127	1.05	.48	2.6	5.4	5.0	4.7
March	28.812	29.440	27.963	38.4	52.7	53.3	59.4	34.8	47.1	80	15	28	29	28	67	43	42	.158	.162	.157	.11	.11	3.4	4.0	4.4	4.0
April	28.815	29.430	28.320	40.6	51.5	52.3	56.6	28.2	47.4	71	29	30	33	31	67	51	47	.172	.194	.180	1.57	.64	4.6	5.7	6.0	5.4
May	28.707	29.118	28.060	60.4	73.8	72.3	78.8	56.9	67.8	92	39	50	53	53	71	52	54	.392	.429	.428	4.06	1.44	5.3	4.9	5.5	4.9
June	28.752	29.110	28.460	69.1	81.6	82.8	86.7	65.5	76.1	105	53	59	63	63	71	54	52	.515	.586	.584	1.80	.40	3.1	3.0	3.4	3.4
July	28.836	29.070	28.615	70.6	82.0	82.6	86.8	67.5	77.2	99	56	59	59	59	69	49	48	.511	.514	.513	1.79	1.26	4.0	4.7	3.7	4.5
August	28.764	28.990	28.523	72.4	86.0	85.0	91.3	70.2	80.8	110	54	60	59	60	66	43	45	.524	.519	.532	1.14	.97	4.1	4.5	3.1	4.2
September	28.903	29.220	28.600	53.3	68.2	66.6	73.2	51.5	62.4	93	35	42	41	42	68	40	46	.284	.267	.292	1.03	.71	3.2	4.2	4.6	4.6
October	28.832	29.145	28.190	50.8	61.8	60.7	66.0	49.4	57.7	88	31	44	43	44	78	56	60	.295	.294	.302	4.65	1.42	4.6	6.1	5.3	6.3
November	28.842	29.410	28.201	36.7	44.6	43.4	48.6	34.5	41.6	66	18	32	34	34	82	68	71	.195	.212	.213	2.89	1.50	4.1	4.5	4.6	5.0
December	28.818	29.210	28.220	31.5	37.7	36.9	41.6	27.9	34.8	61	0	26	29	30	80	72	76	.149	.169	.175	.72	.22	5.9	6.4	5.6	6.8
Year	28.812	29.730	27.963	46.1	57.1	56.9	62.4	43.1	52.8	110	−22	37	39	39	73	54	56	.279	.294	.298	21.45	1.50	4.2	4.9	4.6	4.9

Annual meteorological summary for the year ending December 31, 1918—Continued.

NORTH HEAD, WASH.

[H_b=211 ft.; h_1=11 ft.; h_r=3 ft.; h_a=56 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. 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	18.6	NW.	72	SE.	13	4	1	10	13	8	6	3	17	0	3	2	26	25	20	0	0	0	6	0	0	2	0	0
February	18.8	SE.	72	SE.	11	3	3	11	14	10	4	1	10	0	4	5	19	21	19	5	4	1	0	0	0	3	0	0
March	20.6	SE.	72	SE.	14	10	2	3	16	8	14	4	5	0	5	6	20	23	19	3	3	0	2	0	0	0	0	0
April	14.0	NW.	60	SE.	7	12	2	5	10	1	1	9	18	2	13	6	11	10	8	1	0	1	0	0	0	0	0	0
May	14.9	NW.	44	NW.	2	9	2	4	0	5	3	11	28	0	5	10	16	16	12	0	0	0	3	0	0	0	1	0
June	15.6	NW.	44	NW.	2	10	2	0	3	5	2	6	32	0	4	12	14	3	2	0	0	0	9	0	0	0	1	0
July	13.9	NW.	44	NW.	1	17	0	1	1	5	5	10	23	0	4	12	15	11	6	0	0	0	6	0	0	0	2	0
August	16.0	NW.	44	SE.	3	16	1	0	5	8	2	2	28	0	8	3	20	14	9	0	0	0	10	0	0	0	1	0
September	10.2	N.	32	N.	0	21	0	2	7	9	2	2	17	0	7	7	16	0	0	0	0	0	17	0	0	0	0	0
October	14.9	SE.	72	SE.	7	8	1	5	14	16	2	5	10	1	2	4	25	19	16	0	0	0	15	0	0	0	0	0
November	16.9	E.	88	SE.	9	3	2	20	12	6	2	9	6	0	3	11	16	22	18	0	0	0	0	0	0	0	3	0
December	18.6	E.	78	SE.	14	3	2	21	11	12	2	6	6	0	7	7	17	22	19	0	0	0	3	0	0	2	0	0
Year	16.1	NW.	88	SE.	83	116	18	82	106	98	45	68	199	3	65	85	215	186	148	9	7	2	71	0	0	7	8	0

NORTH PLATTE, NEBR.

[H_b=2,821 ft.; h_1=11 ft.; h_r=3 ft.; h_a=51 ft.]

January	8.3	W.	29	N.	0	9	5	2	4	2	4	21	14	1	8	11	12	11	3	15	10	0	0	19	0	31	0	0
February	8.6	W.	36	N.	0	11	2	2	7	3	8	16	7	0	15	7	6	5	3	4	4	0	0	5	0	28	0	0
March	8.2	N.	39	NW.	0	12	7	6	7	8	8	7	6	1	16	6	9	4	2	3	2	0	0	0	0	21	0	2
April	10.5	SE.	32	NW.	0	10	7	5	13	5	0	9	10	1	5	11	14	12	8	7	6	0	0	1	0	15	1	0
May	8.8	S.	40	NW.	1	7	9	10	8	7	5	8	7	1	13	6	12	9	8	1	1	1	0	0	3	0	.7	0
June	6.4	SE.	25	SE.	0	10	6	7	14	10	6	6	0	1	23	4	3	6	5	0	0	0	0	0	14	0	5	0
July	6.1	SE.	28	NE.	0	3	12	11	20	9	3	3	1	0	17	6	8	8	6	0	0	0	0	0	9	0	7	0
August	5.6	E.	25	N.	0	9	10	14	12	7	3	4	2	1	19	10	2	8	7	0	0	0	0	0	12	0	10	0
September	6.5	N.	26	NE.	0	11	12	4	9	6	5	10	3	0	14	8	8	5	2	0	0	0	0	0	0	2	1	0
October	6.2	N.	25	NW.	0	14	4	8	8	8	2	7	11	0	14	4	13	10	4	2	1	0	0	1	0	7	1	0
November	7.1	NW.	37	NW.	0	9	1	0	4	10	6	10	20	0	17	4	9	5	2	6	3	0	0	4	0	26	1	0
December	7.4	N.	27	N.	0	19	1	1	1	3	3	19	13	2	9	9	13	10	7	12	7	0	0	13	0	29	0	0
Year	7.5	N.	40	NW.	1	124	76	70	107	78	53	120	94	8	170	86	109	93	57	50	34	1	2	42	38	159	33	2

OKLAHOMA, OKLA.

[H_b=1,214 ft.; h_1=10 ft.; h_r=3 ft.; h_a=47 ft.]

January	14.7	N.	48	N.	3	26	3	3	3	8	4	5	10	0	15	10	6	6	4	9	5	0	0	16	0	30	1	0
February	16.8	S.	48	N.	2	15	4	0	2	21	8	0	6	0	14	8	6	3	0	0	0	0	0	2	0	14	1	0
March	15.2	S.	48	NW.	4	17	3	5	7	22	3	1	3	1	11	14	6	4	4	0	0	0	0	0	1	6	5	1
April	14.0	N.	43	NW.	1	17	7	5	7	12	3	2	6	1	9	12	9	6	5	0	0	0	0	0	0	0	3	0
May	16.8	S.	48	N.	1	4	0	1	8	42	2	1	4	0	6	16	9	8	6	0	0	2	0	0	2	0	7	0
June	10.3	S.	74	NW.	2	4	9	1	16	23	5	1	1	0	14	11	5	10	8	0	0	0	0	0	22	0	10	0
July	11.1	S.	28	S.	0	6	8	4	14	25	1	0	4	0	14	13	4	3	2	0	0	0	0	0	26	0	6	0
August	11.8	S.	42	SW.	1	5	1	4	12	39	1	0	0	0	21	6	4	7	6	0	0	0	0	0	28	0	6	0
September	11.5	S.	50	SW.	1	15	4	2	7	25	4	2	1	0	16	6	8	9	8	0	0	0	0	0	4	0	6	0
October	10.1	S.	33	N.	0	9	4	4	11	21	2	2	8	1	13	7	11	8	7	0	0	0	1	0	0	0	3	0
November	13.8	S.	45	NW.	1	20	3	0	4	21	4	0	7	1	14	5	11	7	6	6	3	0	0	1	0	9	2	0
December	13.1	S.	34	S.	0	12	1	1	7	22	10	1	8	0	12	10	9	9	7	3	2	0	1	5	0	12	0	0
Year	13.3	S.	74	NW.	16	150	47	30	98	281	47	15	58	4	159	118	88	80	63	18	10	2	2	24	83	71	50	1

OMAHA, NEBR.

[H_b=1,105 ft.; h_1=115 ft.; h_r=107 ft.; h_a=122 ft.]

January	10.8	NW.	42	N.	2	11	6	3	2	5	5	3	27	0	11	10	10	7	4	15	6	0	0	23	0	31	0	0
February	9.7	NW.	45	NW.	2	5	2	1	8	8	9	3	20	0	13	5	10	8	6	8	7	0	0	9	0	21	1	0
March	9.1	S.	45	NW.	1	7	7	6	2	20	7	2	9	2	16	9	6	1	1	3	1	0	1	1	0	9	0	2
April	9.7	SE.	39	NE.	0	11	5	7	15	4	5	2	11	0	12	5	13	9	7	3	2	0	0	0	0	4	2	0
May	9.5	S.	50	N.	2	5	5	9	8	21	6	1	7	0	11	13	7	12	10	0	0	4	0	0	1	0	11	0
June	7.5	N.	30	NW.	0	20	4	6	8	10	5	1	6	0	17	10	3	10	8	0	0	1	0	0	10	0	12	0
July	6.7	S.	27	NW.	0	13	6	4	11	19	5	0	4	0	13	11	7	7	5	0	0	0	0	0	10	0	4	0
August	6.9	SE.	31	N.	0	12	6	11	7	17	5	1	3	0	14	13	4	8	5	0	0	0	0	0	16	0	10	0
September	7.7	N.	26	N.	0	18	3	2	5	13	6	1	10	2	14	9	7	9	5	0	0	0	0	1	0	3	0	0
October	7.6	S.	30	N.	0	9	4	6	8	12	3	6	13	1	8	9	14	12	10	1	1	0	0	1	0	1	1	0
November	9.2	NW.	37	NW.	0	10	0	1	5	17	9	2	16	0	13	5	12	9	6	6	4	0	0	3	0	11	0	0
December	8.6	NW.	31	NW.	0	6	4	3	6	12	6	8	17	0	5	11	15	8	6	7	3	0	0	6	0	13	0	0
Year	8.6	NW.	50	N.	7	127	52	59	85	158	71	30	143	5	147	110	108	100	73	43	24	5	2	42	38	90	44	2

Annual meteorological summary for the year ending December 31, 1918—Continued.

OSWEGO, N. Y.

[ϕ=43° 29′ N.; λ=76° 35′ W.]

Month.	Pressure.			Temperature.								Moisture.															
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.506	30.120	28.450	13.3	15.3	15.9	20.3	7.7	14.0	33	−8	11	12	12	88	85	84	0.073	0.076	0.076	1.69	0.60	9.0	7.7	6.3	7.6
February	29.630	30.340	28.440	17.0	22.1	23.4	30.2	10.5	20.4	48	−18	14	18	19	88	84	83	.096	.110	.120	1.89	.48	8.1	8.0	6.0	7.7
March	29.620	30.120	28.970	28.7	33.3	32.8	40.0	23.8	31.9	69	6	24	25	27	81	73	80	.129	.141	.152	1.53	.71	5.8	6.1	4.7	5.8
April	29.677	30.120	29.120	39.3	44.4	44.3	49.9	34.9	42.4	73	22	31	31	32	72	61	65	.176	.177	.189	2.09	.52	6.3	6.5	5.8	6.4
May	29.649	30.131	29.010	54.8	59.3	58.2	66.9	46.9	56.9	82	35	46	47	48	74	67	72	.331	.349	.367	4.70	1.42	6.6	6.9	5.9	6.4
June	29.556	29.914	28.970	57.2	60.1	59.5	67.6	50.0	58.8	86	40	48	47	48	73	64	68	.348	.337	.352	3.16	1.04	5.4	5.5	5.4	4.9
July	29.613	29.910	29.210	65.3	69.9	67.7	74.5	59.6	67.0	91	47	57	56	58	76	65	73	.483	.451	.497	1.74	.73	5.1	4.4	6.0	4.5
August	29.649	30.120	29.370	67.7	72.9	71.3	77.5	61.5	69.5	94	52	58	58	58	73	62	65	.497	.498	.504	2.56	.90	4.8	4.9	4.5	4.4
September	29.648	30.070	29.290	54.5	58.8	56.5	62.8	49.1	56.0	80	36	48	48	48	80	68	73	.348	.340	.339	3.79	.83	7.9	7.5	6.2	7.1
October	29.704	30.190	29.120	48.8	55.9	52.8	59.9	44.6	52.2	75	33	43	44	44	80	68	74	.286	.298	.308	3.78	.96	6.4	7.0	5.1	6.5
November	29.620	30.150	28.830	39.8	44.0	42.8	47.3	35.9	41.6	62	20	33	34	34	76	69	70	.192	.201	.199	1.97	.67	7.8	7.8	7.0	7.7
December	29.717	30.310	29.120	30.1	33.7	35.0	38.0	26.5	31.8	55	12	26	28	28	86	80	80	.148	.161	.160	2.35	.62	7.9	8.7	7.1	8.1
Year	29.632	30.340	28.440	43.0	47.5	46.7	52.9	37.5	45.2	94	−18	37	37	38	79	70	74	.259	.262	.272	31.25	1.42	6.8	6.8	5.8	6.4

PALESTINE, TEX.

[ϕ=31° 45′ N.; λ=95° 40′ W.]

Month.	Pressure.			Temperature.								Moisture.															
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.464	29.900	28.940	33.2	43.0	43.2	51.9	29.2	40.6	76	3	29	34	34	85	73	72	0.180	0.219	0.211	1.37	0.72	4.3	3.6	3.1	4.0
February	29.563	30.050	29.040	47.7	56.8	58.1	64.5	44.1	54.3	88	18	43	48	50	85	76	77	.311	.366	.396	1.02	.55	6.4	6.8	3.9	6.3
March	29.494	29.910	29.153	55.5	67.9	67.6	73.1	53.0	63.0	88	36	50	54	54	84	63	63	.391	.441	.431	1.41	.82	6.3	6.0	4.8	6.0
April	29.393	29.850	29.053	56.7	68.6	69.2	73.3	54.7	64.0	90	40	53	57	58	87	70	70	.420	.498	.512	11.24	4.12	5.2	6.5	6.3	6.7
May	29.476	29.840	29.052	67.6	79.6	79.5	83.7	66.2	75.0	92	51	66	70	69	93	75	72	.644	.746	.726	.85	.73	7.9	6.7	4.7	6.8
June	29.410	29.650	29.170	76.5	88.9	87.8	93.7	73.6	83.6	101	69	73	74	73	90	64	65	.819	.851	.822	1.73	1.17	3.3	4.2	5.4	4.5
July	29.467	29.690	29.260	74.9	91.0	89.6	95.7	72.7	84.2	102	66	69	67	66	82	46	48	.705	.658	.642	.25	.21	2.5	2.8	2.3	3.1
August	29.409	29.680	29.280	75.1	89.7	86.6	94.4	73.3	83.8	102	66	72	68	68	89	50	58	.771	.684	.686	2.41	1.06	3.7	3.9	3.7	4.3
September	29.503	29.840	29.240	64.0	79.6	76.5	83.4	62.2	72.8	98	48	58	59	60	83	52	59	.519	.522	.531	1.63	.64	3.9	4.4	3.4	4.1
October	29.463	29.780	29.090	62.2	74.4	70.2	77.6	60.5	69.0	90	43	58	58	58	88	61	69	.506	.519	.509	2.51	.86	5.1	6.5	4.1	5.9
November	29.560	29.860	29.120	48.4	59.7	56.4	62.3	47.1	54.7	79	29	43	43	44	81	58	67	.298	.301	.316	4.98	1.74	6.2	5.0	4.6	5.5
December	29.566	29.880	29.196	46.0	56.6	54.6	61.9	42.7	52.3	76	24	42	42	42	86	61	64	.293	.294	.284	3.63	1.98	5.2	5.4	4.1	5.4
Year	29.486	30.050	28.940	59.0	71.3	69.9	76.3	56.6	66.4	102	3	55	56	56	86	62	65	.488	.508	.505	33.03	4.12	5.0	5.2	4.2	5.2

PARKERSBURG, W. VA.

[ϕ=39° 16′ N.; λ=81° 36′ W.]

Month.	Pressure.			Temperature.								Moisture.															
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.288	29.790	28.170	16.0	22.2	22.6	28.7	11.9	20.3	49	−10	13	16	17	88	75	77	0.085	0.093	0.099	2.24	0.46	7.5	7.2	6.9	7.5
February	29.450	30.160	28.490	30.8	38.5	39.0	47.5	26.1	36.8	73	−6	26	30	32	84	73	77	.157	.189	.207	2.81	1.23	6.7	6.4	5.2	6.3
March	29.410	29.930	28.870	38.9	51.5	50.9	60.0	35.7	47.8	77	21	32	36	37	76	57	61	.192	.224	.228	3.54	2.41	5.0	4.4	4.0	5.0
April	29.358	29.750	28.910	46.1	55.5	54.7	61.1	42.2	51.6	77	28	38	42	41	75	64	62	.240	.283	.268	4.47	.86	6.8	6.5	6.3	7.1
May	29.438	29.826	28.940	63.8	76.2	72.3	80.5	57.5	69.0	92	34	55	59	58	75	56	61	.483	.525	.500	3.51	1.14	5.4	5.2	4.3	5.2
June	29.323	29.590	28.960	65.9	76.3	73.0	80.5	59.5	70.0	92	45	57	58	60	75	55	65	.486	.502	.529	3.39	2.46	4.8	4.7	4.9	4.9
July	29.398	29.600	29.160	66.8	78.8	76.4	83.7	61.4	72.6	94	48	60	61	61	80	56	61	.537	.548	.550	1.28	.41	4.8	5.6	5.5	4.8
August	29.406	29.750	29.194	71.4	85.2	79.7	89.8	67.4	78.6	106	55	65	68	68	80	58	60	.617	.694	.685	5.14	1.30	5.1	4.6	5.2	5.4
September	29.437	29.819	29.150	53.9	67.5	63.2	71.9	50.1	61.0	86	35	49	56	56	84	67	76	.365	.458	.457	2.53	.81	4.4	5.0	5.0	5.2
October	29.456	29.790	29.010	52.5	65.7	60.7	69.9	48.6	59.2	83	34	47	51	50	83	62	69	.339	.397	.373	3.19	1.10	5.9	5.5	5.0	5.5
November	29.453	29.790	28.750	37.8	48.3	45.0	52.6	35.9	44.2	69	22	32	36	35	81	63	69	.190	.218	.212	1.85	.78	6.1	6.1	4.6	6.5
December	29.450	29.940	28.900	38.2	45.6	44.0	50.8	35.8	43.3	67	23	34	36	36	83	71	75	.206	.231	.229	4.23	.87	7.0	7.5	5.8	7.8
Year	29.405	30.160	28.170	48.5	59.3	56.8	64.8	44.3	54.5	106	−10	42	46	46	80	63	68	.323	.364	.361	38.18	2.46	5.8	5.7	5.5	5.9

PENSACOLA, FLA.

[ϕ=30° 25′ N.; λ=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.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.938	30.280	29.120	44.0	50.0	49.0	56.1	28.6	47.4	68	18	39	40	40	83	71	73	0.276	0.290	0.262	5.53	2.32	5.9	4.9	3.7	5.2
February	30.102	30.450	29.820	56.8	62.0	61.2	65.6	54.1	59.8	73	36	54	55	55	90	78	82	.438	.450	.456	2.02	.95	6.1	6.6	5.3	6.7
March	29.993	30.320	29.740	61.6	67.2	66.1	70.7	59.4	65.0	81	51	57	58	58	86	74	78	.486	.499	.501	.32	.19	5.7	5.1	4.6	5.6
April	29.905	30.120	29.670	61.7	65.9	65.1	69.2	58.1	63.6	75	38	58	59	59	87	78	82	.510	.524	.527	13.90	6.00	6.6	6.9	6.2	6.8
May	30.045	30.290	29.800	71.4	76.0	73.8	78.1	66.4	73.2	83	54	66	66	67	83	71	79	.653	.638	.662	1.15	1.14	2.5	2.7	3.3	3.1
June	29.888	30.050	29.680	78.0	83.7	80.9	86.2	74.0	80.1	94	67	72	71	72	81	66	74	.776	.760	.780	2.39	.73	4.3	4.1	4.6	4.4
July	29.955	30.180	29.760	77.6	82.3	80.2	85.0	73.8	79.4	92	68	70	71	71	79	69	75	.749	.758	.773	6.02	2.37	4.5	4.1	4.6	4.5
August	30.000	30.160	29.790	77.7	82.6	80.5	85.6	74.2	79.9	99	67	73	73	73	85	74	78	.807	.814	.804	14.79	4.93	5.2	5.6	4.8	5.3
September	29.942	30.220	29.700	70.4	77.9	76.0	80.6	68.0	74.3	87	52	65	67	66	83	70	72	.630	.665	.650	3.30	1.57	4.6	4.3	3.7	4.4
October	29.937	30.170	29.690	71.2	75.7	74.6	78.0	69.0	73.5	83	54	68	69	68	90	81	82	.689	.723	.701	8.09	2.58	7.0	6.8	5.8	6.8
November	30.024	30.260	29.690	54.6	62.7	61.0	66.3	52.6	59.4	75	445	50	54	53	86	73	77	.377	.421	.421	4.58	1.72	5.0	5.2	4.0	5.0
December	30.075	30.310	29.670	52.3	57.9	57.1	61.0	49.8	55.4	72	31	48	50	49	87	76	76	.369	.394	.381	6.25	2.27	6.3	6.5	5.4	6.5
Year	29.984	30.450	29.120	64.8	70.3	68.8	73.5	61.7	67.6	99	18	60	61	61	85	73	77	.563	.578	.578	68.34	6.00	5.3	5.2	4.6	5.4

Annual meteorological summary for the year ending December 31, 1918—Continued.

OSWEGO, N. Y.

[H_b=335 ft.; h_t=76 ft.; h_r=68 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.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. 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	13.6	NW.	41	SW.	1	3	6	0	10	9	13	6	15	0	2	10	19	13	8	27	12	0	0	29	0	31	0	0
February	13.1	S.	50	W.	1	1	3	1	4	23	2	6	16	0	2	8	18	18	12	18	11	0	1	13	0	27	3	0
March	10.7	SW.	50	NE.	1	6	11	0	4	12	13	11	5	0	9	7	15	9	8	12	8	0	0	10	0	25	1	1
April	10.6	NE.	38	NE.	0	4	14	3	6	11	3	11	8	0	7	8	15	13	9	4	2	0	1	0	0	13	2	0
May	8.8	S.	33	S V.	0	4	5	4	4	20	11	11	3	0	5	10	16	13	8	0	0	0	3	0	0	0	8	0
June	9.4	W.	34	SW.	0	6	2	3	9	11	6	17	6	0	11	11	8	13	10	0	0	0	0	0	0	0	5	0
July	7.6	W.	28	SW.	0	2	2	0	4	15	9	24	5	1	14	8	9	8	6	0	0	0	0	0	2	0	6	0
August	8.0	S.	24	NE.	0	1	7	6	6	17	10	8	7	0	14	9	8	12	7	0	0	1	0	0	1	0	4	2
September	9.6	S.	35	NE.	0	3	4	0	4	23	9	6	11	0	1	14	15	16	13	0	0	0	0	0	0	0	1	1
October	10.1	S.	39	NE.	0	5	11	0	6	26	7	2	5	0	6	8	17	14	11	0	0	0	2	0	0	0	2	1
November	12.5	S.	39	N V.	0	4	4	1	6	16	10	6	13	0	5	3	22	17	12	6	2	2	1	1	0	11	1	1
December	11.1	S.	40	NW.	1	3	11	1	8	20	3	3	13	0	3	3	25	15	13	15	8	0	0	9	0	25	0	0
Year	10.4	S.	50	NE.	4	42	80	19	71	203	96	111	107	1	79	99	187	161	117	82	43	3	8	62	3	132	33	6

PALESTINE, TEX.

[H_b=510 ft.; h_t=64 ft.; h_r=57 ft.; h_a=72 ft.]

		*																										
January	9.3	NW.	30	SW.	0	13	6	4	4	11	3	5	16	0	15	8	8	6	4	4	3	0	0	4	0	21	2	0
February	9.8	S.	36	SE.	0	9	11	2	3	19	6	2	4	0	7	4	17	11	6	0	0	0	3	1	0	4	1	0
March	8.7	S.	38	N V.	0	11	13	3	4	14	11	3	3	0	7	11	13	4	4	0	0	0	1	2	0	0	2	0
April	8.5	NE.	42	NW.	1	13	16	1	7	16	3	2	2	0	6	9	15	10	9	0	0	0	3	1	0	1	0	11
May	8.9	S.	30	S.	0	2	4	6	16	27	5	0	1	1	5	7	19	4	2	0	0	0	0	0	0	4	0	3
June	6.3	SW.	36	NE.	0	4	5	6	9	15	18	0	3	0	14	11	5	4	3	0	0	0	0	0	0	22	0	9
July	6.5	NE.	30	N.	0	2	16	8	10	12	12	1	1	0	24	5	2	2	2	0	0	0	0	0	0	29	0	5
August	6.7	SE.	35	SW.	0	1	0	4	23	22	12	0	0	0	16	5	10	9	8	0	0	0	0	0	0	27	0	12
September	6.8	NE.	23	NE.	0	12	29	2	11	12	2	0	1	0	17	5	8	6	4	0	0	0	0	0	0	9	0	4
October	5.8	NE.	25	W.	0	6	13	7	7	6	7	4	10	2	11	2	18	9	8	0	0	0	4	0	0	3	0	5
November	7.8	NE.	28	W.	0	9	16	5	10	7	5	4	4	0	11	7	12	8	8	0	0	0	0	0	0	1	2	0
December	7.7	SW.	24	NW.	0	3	10	8	3	10	11	6	11	0	11	6	14	7	7	0	0	0	2	0	0	7	2	0
Year	7.7	S.	42	NW.	1	85	130	56	107	171	95	27	56	3	144	80	141	80	65	4	3	4	12	5	95	33	58	1

PARKERSBURG, W. VA.

[H_b=638 ft.; h_t=77 ft.; h_r=70 ft.; h_a=84 ft.]

		*																										
January	4.6	SW.	26	SW.	0	6	9	1	10	3	15	10	7	1	6	5	20	20	12	17	14	0	0	20	0	31	0	0
February	8.2	NW.	48	NW.	3	3	5	2	12	8	8	5	13	0	8	7	13	12	9	7	1	0	1	6	0	21	2	0
March	6.2	SE.	44	N V.	1	11	9	0	15	4	11	1	11	0	14	6	11	11	9	2	1	1	0	0	0	13	3	1
April	6.8	SE.	26	SW.	0	14	7	2	15	5	9	3	5	0	6	6	18	18	14	3	2	0	0	0	0	3	3	0
May	5.3	SE.	33	NW.	0	5	2	1	16	13	12	7	6	0	12	9	10	13	7	0	0	0	1	0	3	0	10	0
June	5.2	SE.	24	NW.	0	12	6	2	14	10	8	3	5	0	11	13	6	7	5	0	0	0	0	0	1	0	6	0
July	4.3	N.	30	NW.	0	18	3	1	16	4	6	7	7	0	15	10	6	10	8	0	0	0	1	0	6	0	7	0
August	4.2	SE.	40	SW.	1	8	5	4	18	9	7	8	3	0	12	8	11	13	12	0	0	0	0	0	14	0	12	0
September	4.4	SE.	17	NW.	0	7	7	2	20	8	4	3	9	0	12	10	8	11	9	0	0	0	1	0	0	0	4	0
October	4.3	SE.	26	W.	0	7	7	4	20	8	7	1	8	0	11	8	12	11	8	0	0	0	2	0	0	0	3	0
November	5.2	SW.	26	SW.	0	2	8	3	12	5	16	6	8	0	10	5	15	7	5	1	0	0	0	0	0	10	1	0
December	5.9	SW.	32	NW.	0	7	2	5	18	4	19	2	5	0	6	2	23	16	11	6	5	0	3	2	0	15	0	0
Year	5.4	SE.	48	NW.	5	100	70	27	186	81	122	56	87	1	123	89	153	149	109	36	23	1	9	28	24	93	51	1

PENSACOLA, FLA.

[H_b=56 ft.; h_t=149 ft.; h_r=131 ft.; h_a=185 ft.]

January	15.6	N.	59	SW.	3	15	5	8	3	12	4	7	8	0	14	5	12	9	7	0	0	0	5	0	0	7	3	0
February	12.6	SE.	34	SW.	0	9	11	3	10	10	6	5	2	0	5	8	15	9	7	0	0	0	4	0	0	0	2	0
March	13.0	SW.	38	SE.	0	7	11	8	5	3	14	12	2	0	8	13	10	3	3	0	0	0	8	0	0	0	0	0
April	13.5	SE.	66	S.	3	10	9	8	11	7	7	5	3	0	3	12	15	11	11	0	0	0	3	0	0	0	11	0
May	11.7	S.	34	S.	0	0	11	11	6	16	13	5	0	0	22	6	3	2	1	0	0	0	0	0	0	0	3	0
June	10.9	W.	58	E.	2	10	5	4	2	3	9	22	5	0	13	11	6	8	8	0	0	0	0	0	3	0	10	0
July	10.4	S.	46	S.	2	7	11	6	0	10	7	18	3	0	12	13	6	11	8	0	0	0	1	0	2	0	16	0
August	10.4	S.	53	NE.	4	8	10	9	1	8	11	11	4	0	10	11	10	13	13	0	0	0	0	0	3	0	15	0
September	11.6	NE.	43	SE.	1	14	18	7	2	1	8	8	2	0	14	8	8	9	9	0	0	0	0	0	0	0	6	0
October	14.3	E.	53	SE.	4	7	12	16	8	14	1	4	0	0	5	9	17	16	12	0	0	0	0	0	0	0	8	0
November	13.6	NE.	61	SW.	2	10	17	11	7	1	4	8	2	0	13	5	12	11	10	0	0	0	0	0	0	0	2	0
December	13.8	N.	62	SW.	4	12	8	5	10	5	3	5	13	1	8	5	18	9	9	0	0	0	3	0	0	1	0	0
Year	12.6	S.	66	S.	25	109	128	96	65	90	87	110	44	1	127	106	132	111	98	0	0	1	23	0	8	8	76	0

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1918—Continued.

PEORIA, ILL.

[ϕ=40° 43′ N.; λ=89° 36′ W.]

Month.	Pressure.			Temperature.								Moisture.													
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	29.288	29.880	28.750	6.0	14.7	12.9	19.3	1.5	10.4	36	−21	5	9	9	94	77	84	0.056	0.064	0.066	1.58	0.97	4.9	5.3	6.6	5.6
February	29.389	30.210	28.600	22.9	33.5	29.7	38.4	17.4	27.9	67	−15	21	25	25	91	71	81	.133	.154	.146	1.64	.65	3.8	4.1	5.6	5.0
March	29.385	29.950	28.630	35.1	52.6	48.3	58.8	32.3	45.6	78	18	31	33	32	87	52	56	.181	.203	.190	.91	.62	4.0	4.4	3.5	3.7
April	29.338	29.990	28.840	40.7	50.1	48.5	54.6	37.1	45.8	74	28	36	39	37	83	67	68	.221	.245	.229	3.70	.98	5.6	6.3	5.6	6.3
May	29.321	29.740	28.580	60.6	72.6	70.2	77.3	55.5	66.4	90	31	54	57	57	81	60	65	.447	.492	.491	3.02	.61	4.5	5.1	4.5	4.3
June	29.290	29.549	28.973	66.2	77.4	77.5	82.4	60.5	71.4	100	52	58	61	61	76	58	62	.501	.546	.549	4.69	1.65	4.2	4.0	4.0	4.0
July	29.334	29.592	29.220	66.9	79.8	77.7	83.7	61.9	72.8	96	51	62	63	63	84	57	62	.563	.582	.594	3.46	2.46	4.0	3.0	4.5	3.7
August	29.330	29.575	29.070	69.7	83.5	79.6	88.2	66.8	77.5	104	55	65	68	68	84	61	70	.616	.680	.704	5.88	1.47	4.3	4.2	3.9	4.3
September	29.440	29.746	29.093	50.6	66.0	60.1	69.4	47.1	58.2	83	33	48	50	50	91	59	71	.345	.372	.378	1.67	.60	4.0	4.9	4.6	4.8
October	29.387	29.740	28.720	49.1	63.2	57.6	66.8	45.7	56.2	82	33	45	47	48	86	59	71	.307	.336	.341	2.97	1.62	5.5	4.9	5.6	5.0
November	29.387	29.840	28.400	36.5	46.1	42.6	50.1	33.7	41.9	72	18	33	36	36	87	70	76	.203	.226	.219	3.18	1.98	5.3	4.9	4.4	5.0
December	29.368	29.820	28.860	31.9	41.2	37.7	44.3	28.9	36.6	67	6	30	34	33	91	77	84	.175	.209	.196	2.80	1.02	5.2	7.5	5.8	6.2
Year	29.359	30.210	28.400	49.2	56.7	53.5	61.1	40.7	50.9	104	−21	41	44	43	86	64	71	.312	.342	.342	35.50	2.46	4.6	4.9	4.9	4.8

PHILADELPHIA, PA.

[ϕ=39° 57′ N.; λ=75° 09′ W.]

January	29.802	30.340	28.830	21.8	25.7	25.1	30.4	17.9	24.2	57	2	14	18	18	72	69	74	0.090	0.100	0.103	4.06	0.96	7.2	6.5	4.6	6.5
February	29.984	30.596	28.890	30.3	36.0	34.9	41.9	24.8	33.4	61	−2	23	27	27	74	69	73	.143	.166	.163	1.57	.89	5.9	5.0	3.7	5.7
March	29.885	30.490	29.310	39.5	47.8	47.2	54.2	34.6	44.4	78	18	34	40	40	80	75	77	.203	.258	.258	2.30	.82	4.0	5.2	3.2	4.7
April	29.885	30.390	29.431	48.7	56.3	54.0	60.8	43.6	52.2	76	32	45	50	50	88	81	86	.310	.377	.373	4.42	1.32	6.8	6.8	6.1	6.9
May	29.957	30.330	29.430	63.2	72.1	68.8	76.9	57.6	67.2	89	45	59	65	63	87	80	82	.511	.636	.589	6.81	3.16	6.6	6.4	4.8	6.0
June	29 816	30.120	29.260	66.6	73.8	70.3	78.2	61.1	69.6	92	52	59	63	61	78	70	73	.518	.596	.546	2.15	.82	5.2	5.3	5.1	5.2
July	29.864	30.130	29.640	72.6	79.9	76.3	83.9	66.8	75.4	95	60	62	61	61	69	54	62	.561	.548	.551	2.46	1.21	5.1	5.5	5.3	5.2
August	29.914	30.320	29.650	73.1	81.1	77.3	85.9	69.2	77.6	106	62	64	64	64	74	57	66	.609	.617	.610	3.35	1.60	5.4	5.0	5.3	5.2
September	29.921	30.240	29.650	60.8	69.7	65.6	73.7	56.5	65.1	84	45	52	53	54	74	58	67	.407	.421	.422	3.76	2.33	4.5	5.7	4.1	5.1
October	30.006	30.440	29.500	55.4	65.1	61.0	69.1	52.2	60.6	79	42	49	50	55	79	60	81	.361	.389	.440	.69	.32	4.9	5.0	2.6	5.0
November	29.942	30.430	29.080	44.4	50.6	48.0	53.9	41.4	47.6	67	29	37	42	42	75	72	81	.230	.274	.277	1.93	1.16	4.3	5.1	3.9	5.0
December	30.006	30.610	29.450	38.5	43.2	42.4	47.0	34.8	40.9	64	26	33	36	37	80	76	82	.196	.221	.230	4.23	1.24	6.2	9.0	5.3	6.0
Year	29.914	30.610	28.830	51.2	58.4	55.9	63.0	46.7	54.8	106	−2	44	47	48	78	68	75	.345	.384	.380	37.73	3.16	5.5	5.9	4.5	5.5

PHOENIX, ARIZ.

[ϕ=33° 28′ N.; λ=112° 00′ W.]

January	28.804	29.120	28.470	38.4	58.8	57.9	63.5	35.7	49.6	80	27	28	28	27	68	35	33	0.160	0.163	0.155	1.14	0.71	2.8	2.8	2.7	3.0
February	28.853	29.210	28.410	43.8	64.1	65.1	69.4	41.1	55.2	79	30	34	33	32	68	34	31	.205	.204	.190	.45	.18	2.5	2.7	2.9	2.8
March	28.821	29.080	28.470	51.7	71.0	72.8	75.6	49.1	62.4	87	37	40	35	36	68	30	30	.260	.217	.218	.93	.68	2.5	3.8	4.1	3.6
April	28.668	28.940	28.406	53.8	78.2	80.3	83.3	51.7	67.5	92	43	33	28	29	47	17	17	.191	.162	.162	.02	.02	1.3	1.5	2.4	1.9
May	28.672	28.870	28.500	58.2	83.0	85.4	87.8	56.5	72.2	95	49	34	34	33	42	18	16	.204	.201	.191	T.	T.	1.3	1.7	2.4	1.9
June	28.602	28.810	28.404	73.8	98.7	101.8	104.6	72.6	88.6	114	58	55	51	50	53	22	19	.445	.396	.383	.08	.08	2.5	1.2	2.9	2.1
July	28.676	28.890	28.525	76.8	96.4	98.1	101.7	74.9	88.3	108	68	60	56	58	57	28	28	.527	.468	.488	1.02	.53	4.8	2.1	3.6	3.4
August	28.690	28.820	28.497	73.8	92.4	94.6	97.7	71.4	84.6	113	62	61	60	61	67	37	36	.552	.525	.552	3.47	2.01	3.3	2.7	3.1	2.8
September	28.686	28.910	28.462	69.1	93.5	92.1	97.9	67.0	82.4	104	55	57	54	60	66	28	35	.474	.429	.524	.39	.32	1.1	0.9	1.3	1.1
October	28.733	28.900	28.528	58.6	83.5	78.5	87.2	56.5	71.8	99	39	48	47	53	68	30	43	.344	.338	.422	.52	.52	1.5	2.0	2.4	2.2
November	28.790	29.240	28.404	46.2	66.7	61.8	71.0	43.5	57.2	89	31	37	35	40	73	35	46	.229	.212	.251	1.92	1.42	2.5	3.0	2.9	2.7
December	28.840	29.160	28.450	40.7	58.0	54.6	62.0	37.2	49.6	79	30	34	33	35	78	42	50	.203	.195	.210	1.15	.66	2.9	2.8	2.6	3.1
Year	28.736	29.240	28.404	57.1	78.7	78.6	83.5	54.8	69.1	114	27	43	41	43	63	30	32	.316	.292	.312	11.10	2.01	2.4	2.3	2.8	2.6

PIERRE, S. DAK.

[ϕ=44° 22′ N.; λ=100° 21′ W.]

January	28.375	29.040	27.780	5.8	9.6	9.6	16.5	−0.5	8.0	56	−28	1	4	4	77	76	77	0.057	0.066	0.062	1.08	0.46	6.4	6.7	5.1	6.4
February	28.346	29.222	27.720	12.2	21.9	25.3	31.9	8.5	20.2	61	−22	6	14	19	76	71	76	.073	.102	.096	.63	.39	4.3	4.2	5.5	4.8
March	28.313	28.986	27.750	31.8	45.4	49.0	56.1	29.3	42.7	79	3	26	28	30	79	54	66	.144	.161	.159	1.47	.87	4.9	4.5	5.1	4.7
April	28.305	28.963	27.742	35.9	48.9	51.5	56.1	34.2	45.2	80	20	31	32	33	82	57	68	.175	.189	.183	2.50	.91	5.2	6.4	6.1	6.4
May	28.189	28.650	27.585	49.1	63.8	67.5	72.0	46.4	59.2	90	34	44	46	44	85	56	66	.301	.324	.300	3.02	1.32	5.2	5.9	5.4	5.6
June	28.298	28.600	27.940	62.6	76.8	79.1	83.3	60.1	71.7	102	47	55	56	56	77	51	63	.440	.471	.458	1.59	.82	5.1	4.8	3.8	4.4
July	28.339	28.650	27.922	62.8	77.7	81.6	85.2	61.2	73.2	102	50	58	60	60	85	57	68	.491	.523	.511	2.04	.83	5.4	4.4	4.5	5.3
August	28.280	28.550	27.980	63.8	79.7	82.6	86.8	61.6	74.2	101	48	58	60	54	82	53	61	.491	.524	.462	2.30	.90	4.3	3.1	3.3	3.5
September	28.437	28.780	28.050	48.0	64.1	65.7	71.2	46.6	58.9	89	30	42	45	43	82	54	64	.283	.306	.296	.64	.37	4.6	4.5	4.8	4.6
October	28.360	28.700	27.750	42.9	58.6	58.2	65.3	41.4	53.4	87	18	38	41	40	82	55	69	.235	.255	.245	.41	.20	4.5	4.0	4.5	4.5
November	28.346	29.080	27.740	27.4	38.5	38.7	47.4	24.9	36.2	69	0	22	30	29	80	70	74	.126	.171	.148	.45	.20	4.3	3.6	3.2	3.9
December	28.362	28.850	27.930	21.5	26.5	27.1	34.5	16.5	25.5	65	−12	16	19	20	79	73	76	.096	.112	.106	1.45	.67	6.5	6.7	6.0	7.1
Year	28.329	29.222	27.585	38.6	51.0	53.0	58.9	35.8	47.4	102	−28	33	36	36	80	61	68	.203	.229	.220	17.68	1.32	5.1	4.9	4.8	5.1

Annual meteorological summary for the year ending December 31, 1918—Continued.

PEORIA, ILL.

[H_b=609 ft.; h_t=11 ft.; h_r=4 ft.; h_a=45 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.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. 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	W.	32	N.	0	8	8	2	4	9	9	9	13	0	12	5	14	11	5	20	11	0	0	28	0	31	0	0
February	9.3	S.	46	SW.	1	5	4	1	7	21	3	5	9	1	10	9	9	8	6	5	1	0	3	9	0	26	1	0
March	8.4	S.	51	SW.	1	10	8	9	6	13	5	3	6	2	19	3	9	7	4	3	2	0	0	0	0	16	4	2
April	9.4	NE.	30	SW.	0	4	21	7	7	4	5	5	7	0	7	11	12	11	10	1	0	0	1	0	0	6	1	0
May	7.7	S.	30	W.	0	5	5	4	9	23	9	3	3	1	12	14	5	15	12	0	0	1	1	0	1	1	8	1
June	5.9	S.	29	W.	0	8	8	13	4	7	7	4	6	3	14	13	3	11	10	0	0	0	0	0	3	0	10	0
July	4.7	S.	24	NW.	0	14	7	5	5	12	6	3	8	2	17	9	5	9	7	0	0	0	1	0	7	0	6	0
August	4.9	S.	25	W.	0	3	8	11	13	14	4	2	3	4	12	14	5	11	10	0	0	0	0	0	10	0	12	0
September	5.0	S.	18	SW.	0	14	4	3	5	12	7	3	10	2	13	8	9	7	5	0	0	0	1	0	0	0	0	0
October	6.5	S.	28	SW.	0	7	4	9	12	10	5	3	9	3	12	9	10	9	8	0	0	0	2	0	0	0	6	0
November	7.9	W.	35	SW.	0	5	0	2	8	15	7	11	12	0	14	4	12	7	5	2	1	0	1	2	0	14	0	1
December	7.1	S.	28	NE.	0	2	3	8	11	16	4	9	8	1	6	13	12	12	8	7	5	0	1	5	0	20	1	1
Year	7.1	S.	51	SW.	2	85	80	74	91	156	71	60	94	19	148	112	105	118	90	38	20	1	11	44	21	114	43	5

PHILADELPHIA, PA.

[H_b=117 ft.; h_t=123 ft.; h_r=114 ft.; h_a=190 ft.]

January	10.9	NW.	43	S.	1	10	7	1	2	2	9	7	24	0	9	5	17	12	12	12	10	0	0	17	0	31	1	0
February	10.2	NW.	36	NW.	0	3	2	4	6	6	15	1	19	0	8	9	11	7	6	2	2	0	1	7	0	18	0	0
March	10.9	NW.	47	NW.	1	8	5	2	3	7	15	5	16	1	13	9	9	12	11	3	1	0	1	0	0	10	2	1
April	12.0	NW.	46	NE.	1	9	11	6	4	6	10	1	13	0	7	6	17	11	9	4	1	0	1	0	0	0	0	0
May	10.2	S.	38	N.	0	2	7	6	3	19	12	5	8	0	8	9	14	13	10	0	0	0	0	0	0	0	8	0
June	10.5	NW.	31	NW.	0	7	7	3	11	5	10	2	15	0	11	11	8	7	7	0	0	0	1	0	2	0	5	0
July	8.6	NW.	27	NW.	0	7	2	5	1	12	14	2	19	0	9	15	7	9	7	0	0	0	0	0	8	0	6	0
August	8.5	SW.	30	NW.	0	6	7	4	9	6	19	2	9	0	9	13	9	9	6	0	0	0	3	0	8	0	7	0
September	9.2	NW.	26	NW.	0	8	4	2	5	13	5	7	16	0	11	9	10	12	9	0	0	0	2	0	0	0	2	0
October	9.0	SW.	28	N.	0	12	3	3	6	9	17	7	5	0	11	11	9	5	4	0	0	0	3	0	0	0	1	0
November	10.0	NW.	28	NE.	0	10	7	0	4	7	5	8	19	0	12	7	11	5	3	0	0	0	0	0	0	3	1	0
December	10.2	NW.	42	N.	1	5	13	5	4	3	10	5	17	0	10	8	13	8	7	4	1	0	1	0	0	13	0	0
Year	10.0	NW.	47	NW.	4	87	75	41	58	95	141	52	180	1	118	112	135	110	91	25	15	0	13	24	18	75	33	1

PHOENIX, ARIZ.

[H_b=1,108 ft.; h_t=11 ft.; h_r=68 ft.; h_a=81 ft.]

January	5.2	E.	26	W.	0	4	1	26	8	4	9	6	4	0	19	7	5	4	4	0	0	0	0	0	0	9	0	0
February	5.5	E.	36	W.	0	4	8	15	7	3	7	7	5	0	18	4	6	6	5	0	0	0	0	0	0	3	0	0
March	5.5	E.	28	E.	0	5	3	23	9	4	2	10	5	1	18	7	6	4	3	0	0	0	0	0	0	1	0	1
April	5.8	E.	33	W.	0	4	3	20	6	0	7	15	5	0	24	5	1	1	0	0	0	0	0	0	2	0	0	0
May	6.3	E.	29	E.	0	8	5	19	4	1	3	20	2	0	25	6	0	1	0	0	0	0	0	0	0	0	0	0
June	5.5	W.	36	SE.	0	7	6	10	8	3	0	20	6	0	25	4	1	1	1	0	0	0	0	0	0	0	0	0
July	5.1	E.	30	S.	0	6	5	19	7	1	3	14	7	0	16	12	3	7	6	0	0	0	0	0	0	0	0	0
August	4.7	E.	25	SW.	0	13	3	15	6	4	3	12	6	0	21	7	3	6	5	0	0	0	0	0	0	0	0	0
September	4.7	E.	23	E.	0	7	4	17	6	2	0	10	14	0	26	4	0	2	2	0	0	0	0	0	0	30	0	0
October	4.6	E.	29	NW.	0	5	4	19	4	5	3	11	11	0	21	8	2	2	2	0	0	0	0	0	16	0	2	0
November	4.6	E.	19	N.	0	4	7	16	8	2	7	12	4	0	19	8	3	5	2	0	0	0	0	0	0	2	2	0
December	4.7	E.	25	SW.	0	2	3	23	6	3	2	13	10	0	21	3	7	5	4	0	0	0	2	0	0	7	0	0
Year	5.2	E.	36	W.	0	69	52	222	79	32	46	150	79	1	253	75	37	43	34	0	0	0	2	0	150	21	34	0

PIERRE, S. DAK.

[H_b=1,572 ft.; h_t=70 ft.; h_r=63 ft.; h_a=75 ft.]

January	10.4	NW.	44	NW.	1	10	5	3	8	0	5	5	26	0	9	6	16	13	7	18	13	0	0	24	0	31	0	0
February	8.7	NW.	52	NE.	4	7	4	8	5	0	6	8	18	0	8	14	6	5	2	7	5	0	0	11	0	27	0	0
March	10.0	NW.	44	N.	2	10	7	9	12	1	7	3	12	1	13	7	11	6	3	4	3	0	0	2	0	16	0	0
April	13.9	NW.	53	NW.	3	7	6	5	14	1	6	6	15	0	6	11	13	13	10	4	2	0	0	0	0	12	0	0
May	10.2	E.	52	N.	4	7	6	11	13	1	6	5	13	0	12	8	11	11	9	1	0	0	0	0	0	0	0	0
June	8.0	E.	54	NW.	1	4	14	6	12	3	5	6	10	0	14	10	6	8	5	0	0	0	0	0	10	0	6	0
July	8.4	E.	36	NE.	0	4	14	13	15	3	2	4	7	0	12	7	12	8	7	0	0	0	0	0	13	0	5	0
August	9.3	E.	68	N.	2	5	8	13	12	2	5	4	13	0	19	8	4	10	8	0	0	0	0	0	10	0	9	0
September	7.4	E.	32	N.	0	7	12	17	2	3	4	3	12	0	15	6	9	6	4	0	0	0	0	0	0	2	1	0
October	8.0	NW.	35	NW.	0	4	5	16	8	0	6	8	15	0	16	6	9	8	4	2	2	0	1	0	0	6	0	1
November	8.7	NW.	42	NW.	1	5	4	10	5	3	9	5	19	0	17	5	8	6	3	4	3	0	0	4	0	23	1	0
December	7.6	NW.	42	NW.	1	9	2	16	4	1	5	3	22	0	5	8	18	8	5	10	8	0	0	15	0	29	0	1
Year	9.2	NW.	68	N.	19	79	87	127	110	18	66	60	182	1	146	96	123	102	67	50	36	0	1	56	33	146	28	2

Annual meteorological summary for the year ending December 31, 1918—Continued.

PITTSBURGH, PA.

[ϕ=40° 32′ N.; λ=80° 02′ W.]

Month.	Pressure.			Temperature.								Moisture.												
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	28.996	29.500	27.930	15.0	19.7	20.0	26.3	10.9	18.6	41	— 5	12	14	14	85	76	75	0.075	0.083	0.086	2.82	0.87	8.8	7.8	7.1	7.7
February	29.149	29.850	28.150	28.3	34.6	34.4	42.6	22.8	32.7	64	—11	21	23	25	73	63	69	.128	.144	.154	1.87	.79	7.3	6.6	5.8	6.8
March	29.129	29.660	28.500	38.0	47.8	47.7	55.8	33.5	41.6	75	17	29	29	30	70	51	52	.171	.175	.177	1.25	.47	5.5	5.5	3.4	5.4
April	29.110	29.500	28.620	44.9	52.9	52.1	58.5	40.1	49.3	74	27	35	35	37	69	56	60	.209	.218	.229	2.73	.58	7.7	7.1	6.8	7.7
May	29.165	29.517	28.600	63.9	72.6	69.7	77.4	57.8	67.6	88	38	53	52	53	69	51	59	.425	.418	.435	3.89	.82	5.7	6.9	6.2	6.0
June	29.067	29.329	28.620	64.3	72.8	70.3	77.5	58.6	68.0	88	47	52	51	54	67	49	59	.412	.392	.442	2.40	.86	6.5	6.3	6.1	6.4
July	29.136	29.361	28.930	67.0	77.7	75.2	82.1	62.0	72.0	92	51	57	53	54	70	44	49	.471	.413	.425	2.22	1.25	5.1	6.0	6.5	6.1
August	29.151	29.508	28.911	71.7	81.3	79.0	86.0	67.1	76.6	103	57	63	62	62	74	56	59	.584	.578	.571	4.84	1.61	4.4	4.6	5.9	5.3
September	29.165	29.530	28.870	55.2	64.3	61.4	68.2	51.5	59.8	81	39	49	48	49	80	58	66	.362	.356	.368	2.22	.89	5.7	6.3	4.9	6.4
October	29.198	29.540	28.710	52.8	62.9	60.3	67.1	49.3	58.2	78	38	47	46	46	81	57	61	.332	.326	.323	3.08	.80	6.2	6.5	4.3	6.6
November	29.161	29.543	28.470	39.6	46.2	45.3	50.7	37.0	43.8	67	27	34	34	34	81	66	67	.200	.206	.205	1.79	.64	7.2	6.6	6.8	7.1
December	29.178	29.680	28.650	37.6	42.4	42.0	47.2	34.8	41.0	62	22	31	33	33	77	69	71	.185	.198	.198	3.50	.89	7.3	7.9	7.2	7.8
Year	29.134	29.850	27.930	48.2	56.3	54.8	61.6	43.8	52.7	103	—11	40	40	41	75	58	62	.296	.292	.301	32.61	1.61	6.4	6.5	5.9	6.6

POCATELLO, IDAHO.

[ϕ=42° 52′ N.; λ= 112° 29′ W.]

January	25.441	25.830	25.000	26.2	30.2	30.0	34.8	20.4	27.6	57	— 7	22	24	24	82	78	77	0.123	0.129	0.131	1.94	0.36	7.6	7.3	7.9	7.5
February	25.454	25.990	24.931	24.8	31.1	32.0	36.8	20.2	28.5	49	— 6	18	22	22	74	67	64	.099	.118	.116	.94	.26	6.4	7.2	6.7	6.1
March	25.454	25.950	24.920	34.9	45.5	46.5	51.1	31.5	41.3	66	15	26	27	27	68	50	49	.139	.148	.143	1.39	.43	5.0	5.9	5.6	5.5
April	25.396	25.800	25.049	35.1	48.3	51.3	54.5	32.4	43.4	72	19	25	24	23	68	42	36	.135	.132	.126	.89	.40	4.9	5.0	5.6	5.5
May	25.361	25.640	25.058	42.8	58.3	60.2	64.5	40.4	52.4	83	32	30	32	30	62	41	37	.168	.191	.176	.68	.24	5.4	4.5	6.0	5.4
June	25.477	25.680	25.233	59.1	79.4	80.4	84.9	57.0	71.0	99	38	43	42	38	58	28	26	.294	.291	.260	.86	.38	3.3	3.8	4.6	4.0
July	25.483	25.660	25.249	60.6	78.5	84.2	85.3	57.4	71.4	97	47	42	43	38	54	32	26	.283	.288	.251	1.52	.63	4.3	3.6	4.0	4.4
August	25.493	25.730	25.274	54.3	74.2	77.4	80.5	51.9	66.2	91	40	38	38	36	54	28	25	.234	.234	.221	.41	.24	2.9	2.5	2.9	2.9
September	25.525	25.790	25.280	50.2	69.2	71.0	75.7	48.1	61.9	87	39	39	42	38	66	41	35	.239	.271	.238	.32	.08	3.9	2.9	3.5	4.4
October	25.541	25.750	25.080	44.1	56.0	54.2	61.0	41.2	51.1	80	29	36	35	38	75	53	56	.221	.233	.234	1.29	.56	5.5	4.9	5.4	5.5
November	25.491	25.830	25.012	30.1	38.8	38.0	43.6	26.1	34.8	64	8	23	25	25	75	58	60	.125	.133	.135	.44	.24	5.2	5.2	5.1	5.6
December	25.536	25.840	25.080	23.4	30.4	29.9	35.6	19.8	27.7	56	— 7	17	20	20	78	65	67	.097	.107	.109	.22	.10	5.5	5.6	5.3	6.0
Year	25.471	25.990	24.920	40.5	53.3	54.6	59.0	37.2	48.1	99	— 7	30	31	30	68	49	46	.180	.190	.178	10.91	.63	5.0	4.9	5.2	5.2

POINT REYES LIGHT, CALIF.

[ϕ=38° 11′ N.; λ=122° 51′ W.]

January	29.568	29.800	29.040	....	....	51.6	55.1	46.9	51.0	65	42	....	....	49	....	....	92	....	....	0.349	0.82	0.30	....	....	2.9	4.1
February	29.511	29.850	29.110	....	....	50.1	53.1	44.8	49.0	64	39	....	....	48	....	....	92	....	....	.329	4.03	.70	....	....	4.9	4.7
March	29.485	29.820	29.050	....	....	52.4	56.4	45.7	51.0	66	38	....	....	48	....	....	87	....	....	.342	2.27	.94	....	....	4.4	5.7
April	29.458	29.650	29.130	....	....	53.5	56.5	46.6	51.6	81	41	....	....	47	....	....	83	....	....	.329	.91	.65	....	....	3.3	3.8
May	29.443	29.630	29.220	....	....	51.1	53.0	45.5	49.2	61	43	....	....	48	....	....	91	....	....	.338	T.	T.	....	....	3.0	4.5
June	29.361	29.490	29.219	....	....	54.1	56.7	47.8	52.2	69	46	....	....	52	....	....	94	....	....	.389	.26	.26	....	....	2.6	6.6
July	29.421	29.570	29.251	....	....	55.4	57.7	49.3	53.5	64	46	....	....	53	....	....	92	....	....	.404	T.	T.	....	....	3.1	7.8
August	29.419	29.550	29.250	....	....	57.2	59.1	51.1	55.1	65	49	....	....	54	....	....	91	....	....	.424	.00	.00	....	....	2.3	7.9
September	29.421	29.550	29.239	....	....	59.5	62.2	53.8	58.0	75	52	....	....	56	....	....	89	....	....	.449	1.96	1.58	....	....	4.8	7.7
October	29.476	29.600	29.300	....	....	57.9	61.9	52.9	57.4	79	50	....	....	54	....	....	88	....	....	.415	.69	.36	....	....	2.7	5.0
November	29.515	29.900	29.060	....	....	54.1	57.6	49.6	53.6	63	46	....	....	50	....	....	86	....	....	.357	3.15	1.20	....	....	4.6	5.1
December	29.542	29.850	29.040	....	....	51.5	55.5	45.8	50.6	68	38	....	....	47	....	....	85	....	....	.322	1.29	.73	....	....	4.0	4.0
Year	29.468	29.900	29.040	....	....	54.0	57.1	48.3	52.7	81	38	....	....	50	....	....	89	....	....	.371	15.38	1.58	....	....	3.8	5.6

PORT ANGELES, WASH.

[ϕ=48° 07′ N.; λ=123° 06′ W.]

January	30.058	30.520	29.260	....	44.7	42.9	46.5	36.6	41.6	56	21	....	36	39	....	83	86	....	0.247	0.242	2.62	0.61	....	7.7	8.4	8.3
February	29.946	30.300	29.130	....	42.4	41.0	45.0	31.8	38.4	56	20	....	36	35	....	79	81	....	.216	.209	2.90	1.08	....	6.7	7.3	6.6
March	29.946	30.410	29.366	....	45.6	45.6	48.7	33.5	41.1	61	25	....	39	39	....	79	79	....	.243	.242	2.73	.68	....	6.7	6.3	6.3
April	30.082	30.620	29.600	....	52.4	52.7	55.8	36.8	46.3	68	28	....	43	43	....	72	70	....	.281	.278	.41	.16	....	3.4	3.9	3.7
May	30.062	32.280	29.800	....	54.3	55.2	58.1	42.1	50.1	70	37	....	46	44	....	73	68	....	.306	.294	.46	.16	....	5.5	5.6	5.2
June	30.046	30.370	29.680	....	60.9	62.7	64.8	45.4	55.1	80	36	....	48	50	....	64	63	....	.342	.351	.29	.28	....	2.2	3.6	3.9
July	30.025	30.230	29.784	....	62.1	62.5	65.1	48.6	56.8	75	40	....	51	52	....	69	71	....	.382	.395	.81	.51	....	4.7	4.9	5.8
August	30.062	30.300	29.720	....	62.2	63.2	66.5	49.9	58.2	80	43	....	54	54	....	77	73	....	.423	.413	2.75	1.10	....	4.4	4.2	5.0
September	30.031	30.350	29.827	....	63.6	65.1	68.1	46.3	57.2	82	40	....	52	51	....	67	64	....	.389	.377	.10	.10	....	3.5	3.1	4.7
October	30.048	30.320	29.250	....	53.3	52.4	55.6	42.6	49.1	62	37	....	49	48	....	86	86	....	.349	.344	3.15	.93	....	6.5	7.0	7.8
November	29.992	30.498	28.970	....	48.5	46.0	49.5	37.2	43.4	56	30	....	44	42	....	84	86	....	.283	.269	3.25	.73	....	7.7	7.2	8.2
December	30.070	30.500	29.220	....	43.9	40.8	45.1	34.3	39.7	53	27	....	40	38	....	85	90	....	.245	.231	6.29	2.40	....	8.1	7.4	8.6
Year	30.031	30.620	28.970	....	52.8	52.5	55.7	40.4	48.1	82	20	....	45	45	....	76	77	....	.309	.305	25.76	2.40	....	5.6	5.7	6.2

Annual meteorological summary for the year ending December 31, 1918—Continued.

PITTSBURGH, PA.

[H_b=842 ft.; h_t=353 ft.; h_r=345 ft.; h_a=410 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Wind. Number of winds, 8 a. m. and 8 p. m. No. of days with 40 miles and over.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	Precipitation. 0.04 inch and over.	Snow. T. or more.	Snow. 0.01 inch or more melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	Maximum temp. 90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Electricity. Auroras.
	Miles.		*Mi.*																									
January	13.3	SW.	58	W.	1	0	6	8	5	1	20	12	10	0	4	6	21	18	13	22	16	0	0	22	0	31	0	0
February	14.1	SW.	56	W.	9	0	1	4	8	7	13	12	11	0	7	5	16	13	9	10	2	0	1	7	0	19	2	0
March	12.3	NW.	59	W.	4	1	5	1	5	5	18	5	22	0	11	6	14	6	5	4	1	0	1	0	0	15	2	1
April	12.7	NW.	38	E.	0	8	7	8	7	8	8	5	9	0	4	3	23	17	15	5	4	0	0	0	0	5	0	0
May	11.1	SW.	49	SW.	3	3	2	3	8	5	23	6	11	1	8	8	15	14	12	0	0	0	0	0	0	0	13	0
June	11.9	NW.	40	NW.	1	5	3	5	5	3	15	5	19	0	4	14	12	11	10	0	0	1	0	0	0	0	9	0
July	9.2	NW.	39	NW.	0	5	9	0	3	12	2	6	25	0	8	8	15	6	5	0	0	0	0	0	6	0	8	0
August	9.0	SW.	46	S.	1	8	4	8	6	10	14	8	4	0	7	14	10	12	10	0	0	0	0	0	11	0	12	0
September	9.3	NW.	30	W.	0	3	2	5	6	6	11	15	12	0	8	4	18	13	9	0	0	0	0	5	0	0	6	0
October	9.9	SW.	43	NW.	1	5	6	4	15	5	13	2	12	0	7	10	14	10	9	0	0	0	0	9	0	0	2	0
November	10.7	W.	50	SW.	1	1	2	6	6	3	18	14	10	0	6	5	19	8	6	2	1	0	5	0	0	7	2	0
December	11.9	SW.	51	NW.	1	1	8	4	13	5	13	10	8	0	6	2	23	15	11	10	4	0	1	4	0	12	0	0
Year	11.3	SW.	59	W.	22	40	55	56	87	70	168	100	153	1	80	85	200	143	114	53	28	1	22	33	17	89	56	1

POCATELLO, IDAHO.

[H_b=4,477 ft.; h_t=60 ft.; h_r=52 ft.; h_a=68 ft.]

January	11.2	SE.	40	SW.	1	2	0	1	22	3	21	7	6	0	3	9	19	17	12	18	15	0	0	12	0	29	0	0
February	12.1	SE.	44	SW.	2	1	0	0	24	5	14	8	4	0	6	8	14	13	7	14	10	0	0	7	0	25	0	0
March	11.3	SE.	46	SW.	2	0	1	0	32	13	8	6	2	0	10	11	10	10	6	6	2	0	0	0	0	14	0	0
April	10.1	SE.	38	SW.	0	4	2	2	14	5	12	12	9	0	8	14	8	7	4	9	3	0	0	1	0	12	1	0
May	9.5	SE.	42	SW.	2	3	5	1	20	2	11	15	5	0	11	7	13	8	4	0	0	4	0	0	0	0	5	0
June	8.3	SE.	38	S.	0	4	2	3	23	10	9	6	2	1	15	9	6	7	5	0	0	0	0	0	0	7	0	11
July	8.4	SE.	50	S.	1	5	1	1	27	7	8	10	2	1	11	15	5	8	7	0	0	2	0	0	0	9	0	7
August	8.6	SE.	38	S.	0	3	0	1	20	6	11	14	7	0	20	10	1	5	3	0	0	1	0	0	0	3	0	8
September	7.0	SE.	40	S.	1	8	3	0	20	3	6	10	9	1	12	13	5	7	6	0	0	0	0	0	0	0	5	0
October	8.4	SE.	37	SW.	0	4	0	1	17	7	18	7	6	2	10	13	8	7	5	1	0	0	1	0	0	2	2	0
November	8.8	SE.	40	S.	1	1	0	1	17	13	10	13	5	0	8	11	11	5	4	7	5	0	0	5	0	23	1	0
December	9.0	SE.	42	SW.	1	3	0	1	24	6	5	10	13	0	6	13	12	5	3	9	4	0	3	11	0	25	0	0
Year	9.4	SE.	50	S.	11	38	14	12	260	80	133	118	70	5	120	133	112	99	66	64	39	7	4	36	19	130	40	0

POINT REYES LIGHT, CALIF.

[H_t=490 ft.; h_t=7 ft.; h_r=4 ft.; h_a=18 ft.]

January	19.0	NW.	70	NW.	14	3	1	0	2	1	0	0	24	0	15	10	6	4	4	0	0	0	13	0	0	0	0	0
February	22.9	NW.	71	NW.	18	1	1	0	4	6	3	0	13	0	11	10	7	15	11	0	0	1	9	0	0	0	0	0
March	15.2	NW.	73	SE.	6	5	0	0	2	6	4	0	14	0	10	9	12	14	8	0	0	0	12	0	0	0	0	0
April	25.9	NW.	78	NW.	15	1	0	0	0	3	1	0	25	0	17	6	7	5	4	0	0	0	5	0	0	0	0	0
May	31.2	NW.	70	NW.	20	0	0	0	0	3	0	0	28	0	14	10	7	0	0	0	0	0	10	0	0	0	0	0
June	22.4	NW.	60	NW.	9	2	0	0	3	3	2	0	20	0	6	11	13	1	1	0	0	0	21	0	0	0	1	0
July	22.7	NW.	61	NW.	14	1	0	0	0	3	2	0	25	0	2	9	20	0	0	0	0	0	24	0	0	0	0	0
August	17.7	NW.	59	NW.	6	0	0	0	2	7	2	1	19	0	3	6	22	0	0	0	0	0	28	0	0	0	0	0
September	13.6	NW.	49	NW.	4	2	0	0	0	1	4	2	0	21	0	2	11	17	3	2	0	0	0	14	0	0	0	1
October	17.4	NW.	46	NW.	3	5	0	0	0	1	1	3	0	21	0	12	11	8	5	5	0	0	0	15	0	0	0	0
November	16.1	NW.	73	SE.	8	5	0	0	2	2	0	1	20	0	12	8	10	7	7	0	0	0	10	0	0	0	1	0
December	17.2	NW.	85	NW.	14	3	2	0	2	7	0	1	18	0	15	8	8	9	5	0	0	1	6	0	0	0	0	0
Year	20.1	NW.	85	NW.	131	28	4	0	19	46	19	3	246	0	119	109	137	63	47	0	0	2	167	0	0	0	3	0

PORT ANGELES, WASH.

[H_b=29 ft.; h_t=8 ft.; h_r=29 ft.; h_a=53 ft.]

January	6.2	W.	32	NW.	0	2	5	6	3	1	2	8	4	0	3	4	24	21	16	1	1	0	1	1	0	7	0	0
February	6.6	S.	28	NW.	0	0	4	6	4	3	6	4	1	0	6	7	15	12	10	4	1	0	0	0	0	15	0	0
March	6.1	S.	36	NW.	0	3	5	6	3	1	1	6	6	0	8	6	17	17	13	5	4	0	0	0	0	12	0	1
April	6.8	S.	32	SE.	0	2	3	6	2	0	2	3	12	0	16	8	6	4	3	0	0	0	0	0	0	5	0	1
May	8.5	N.	36	NW.	0	0	0	3	1	0	5	8	14	0	6	19	6	8	4	0	0	0	0	0	0	0	0	0
June	6.3	N.	21	NW.	0	1	2	3	1	0	1	4	18	0	17	7	6	3	2	0	0	0	0	0	0	0	0	0
July	6.2	N.	21	NW.	0	0	1	1	0	1	0	3	25	0	8	14	9	5	4	0	0	0	1	0	0	0	3	0
August	5.3	N.	27	NW.	0	0	0	4	1	0	1	6	19	0	13	5	13	11	8	0	0	1	1	0	0	0	1	0
September	4.3	S.	14	NW.	0	0	0	10	2	1	1	4	12	0	12	7	11	1	1	0	0	0	0	0	0	0	0	0
October	4.8	S.	37	SW.	0	0	0	4	5	6	4	5	7	0	4	4	23	16	14	0	0	0	4	0	0	0	0	1
November	5.5	S.	30	SW.	0	0	0	4	5	8	8	4	1	0	3	4	23	18	14	0	0	0	0	0	0	2	0	0
December	5.5	S.	32	SW.	0	1	0	1	9	12	5	2	1	0	1	4	26	19	13	1	0	0	0	0	0	12	0	0
Year	6.0	N.	37	SW.	0	9	20	54	36	33	36	57	120	0	97	89	179	135	102	11	6	1	7	1	0	53	4	3

Annual meteorological summary for the year ending December 31, 1918—Continued.

PORT ARTHUR, TEX.

[ϕ=29° 52′ N.; λ=93° 55′ W.]

Month.	Pressure.			Temperature.								Moisture.													
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	29.951	30.340	29.410	39.6	49.5	47.5	54.9	35.8	45.4	70	12	35	37	39	84	67	75	0.221	0.249	0.264	0.73	0.44	3.8	4.3	2.9	4.5
February	30.067	30.520	29.720	53.2	62.6	57.8	65.6	49.7	57.6	78	31	50	54	54	91	75	89	.397	.447	.447	2.83	1.90	6.3	6.9	5.7	6.4
March	29.988	30.350	29.680	61.8	70.9	67.4	73.2	59.8	66.5	84	44	56	57	58	84	63	74	.488	.494	.507	1.46	.95	5.3	4.5	4.9	4.7
April	29.878	30.240	29.610	63.6	70.9	68.6	73.2	60.3	66.8	81	39	59	57	59	85	65	74	.531	.512	.531	5.68	1.82	6.1	5.3	4.3	5.1
May	29.986	30.300	29.660	72.9	78.9	75.5	80.3	70.2	75.2	85	57	68	67	68	84	68	78	.700	.680	.811	.27	.10	4.3	4.6	3.3	4.0
June	29.900	30.100	29.690	79.6	87.4	83.7	89.5	75.9	82.7	100	68	74	73	73	82	63	70	.830	.811	.806	2.92	1.18	2.7	3.6	3.9	4.0
July	29.957	30.140	29.750	78.2	86.4	83.0	90.3	74.2	82.2	94	65	74	71	73	86	62	71	.827	.762	.804	6.48	3.41	2.2	3.5	3.8	3.7
August	29.970	30.140	29.550	77.9	85.0	82.1	87.5	74.9	81.2	94	69	74	73	73	87	68	74	.826	.809	.806	5.42	1.80	3.8	4.7	4.3	4.4
September	29.963	30.290	29.760	68.6	79.5	76.7	82.4	66.0	74.2	92	50	64	64	64	85	61	67	.624	.621	.628	5.21	2.47	3.1	3.6	2.9	3.4
October	29.919	30.200	29.610	66.5	76.0	71.8	78.5	63.9	71.2	87	45	64	64	65	90	67	79	.611	.612	.625	9.19	3.51	5.2	6.0	4.4	5.4
November	30.034	30.270	29.630	54.2	61.6	58.9	64.2	52.1	58.2	79	35	49	50	51	85	68	77	.381	.391	.401	10.43	6.56	5.7	6.1	4.5	5.7
December	30.062	30.360	29.660	51.2	58.9	55.9	62.3	48.5	55.4	80	29	48	49	50	88	71	80	.366	.381	.383	3.88	1.96	4.4	5.8	4.2	5.3
Year	29.973	30.520	29.410	63.9	72.3	69.1	75.2	60.9	68.0	100	12	60	60	61	86	66	76	.567	.564	.584	54.50	6.56	4.4	4.9	4.1	4.7

PORT HURON, MICH.

[ϕ=43° 00′ N.; λ=82° 26′ W.]

January	29.169	29.740	28.050	7.8	13.9	12.0	18.3	3.5	10.9	36	−15	6	10	8	89	85	83	0.055	0.070	0.062	1.74	0.66	7.5	6.7	6.1	5.9
February	29.288	30.080	28.170	16.9	24.7	23.0	30.8	11.3	21.0	53	−22	14	19	19	87	80	82	.098	.120	.120	2.70	.67	6.4	6.0	4.8	5.2
March	29.326	29.860	28.670	30.0	39.3	35.9	43.4	26.3	34.8	72	11	25	27	29	82	64	76	.136	.148	.162	1.82	.79	3.5	4.0	3.2	3.1
April	29.333	29.890	28.720	38.9	46.0	41.5	50.5	32.3	41.4	67	22	31	32	32	74	62	71	.179	.186	.190	2.31	.52	5.1	5.7	5.9	5.0
May	29.312	29.730	28.600	52.6	62.9	58.6	68.8	45.2	57.0	86	32	46	48	48	79	64	71	.329	.368	.364	3.19	1.87	5.2	6.0	4.8	4.1
June	29.248	29.540	28.710	59.7	67.5	63.4	71.7	51.8	61.8	85	39	51	51	51	73	59	66	.378	.392	.392	.51	.20	4.2	3.8	5.0	3.5
July	29.330	29.580	29.000	65.3	73.6	68.4	76.5	57.2	66.8	93	43	57	57	57	75	57	69	.479	.476	.483	.50	.19	3.8	4.3	4.5	3.4
August	29.326	29.720	29.030	67.5	78.9	72.7	82.3	62.2	72.2	104	49	60	61	61	76	56	68	.527	.543	.559	1.80	.42	4.1	4.5	4.3	3.8
September	29.341	29.780	28.930	51.3	60.6	56.6	63.0	46.7	54.8	79	37	45	46	47	81	59	73	.312	.320	.335	4.78	1.97	5.6	6.4	5.4	5.8
October	29.356	29.750	28.860	48.5	58.0	53.5	61.3	44.9	53.1	75	34	44	45	46	85	63	77	.293	.306	.319	1.45	.65	5.6	5.5	4.7	5.9
November	29.293	29.770	28.480	38.1	44.9	41.2	47.2	34.9	41.0	62	21	34	35	35	86	68	78	.204	.210	.209	1.77	.69	6.7	5.9	6.2	6.2
December	29.337	29.900	28.780	31.4	35.9	34.3	39.3	28.4	33.8	55	11	29	31	31	89	81	85	.164	.175	.173	2.34	.76	6.9	6.9	6.8	7.3
Year	29.305	30.080	28.050	42.3	50.5	46.8	54.4	37.1	45.7	104	−22	37	38	39	81	66	75	.263	.276	.281	24.91	1.97	5.4	5.5	5.1	4.9

PORTLAND, ME.

[ϕ=43° 39′ N.; λ=70° 15′ W.]

January	29.690	30.460	28.530	10.8	17.7	17.0	22.1	8.0	15.0	42	− 9	5	7	7	76	60	64	0.058	0.063	0.063	3.48	2.07	5.7	5.6	3.7	5.2
February	29.888	30.580	28.709	15.9	23.6	20.6	27.9	9.6	18.8	53	−14	11	12	12	79	61	70	.087	.086	.088	2.62	.58	6.6	5.6	3.7	6.0
March	29.821	30.260	29.260	28.2	34.2	32.0	39.5	22.6	31.0	67	6	18	21	19	65	58	60	.103	.117	.111	1.93	1.12	4.4	4.5	2.8	4.9
April	29.942	30.490	29.350	40.7	46.8	43.3	51.3	34.5	42.9	71	26	29	28	31	66	53	64	.167	.164	.179	2.70	1.41	5.8	4.4	4.4	5.2
May	29.924	30.377	29.330	55.3	61.0	55.8	66.0	47.3	56.6	85	39	44	44	44	70	58	68	.307	.303	.300	1.76	.79	5.1	4.1	4.8	5.4
June	29.814	30.200	29.200	58.8	68.7	58.4	66.8	50.9	58.8	89	41	48	46	48	70	58	72	.347	.326	.342	2.73	1.76	5.4	5.6	4.3	5.6
July	29.864	30.200	29.560	66.0	70.6	65.8	74.1	59.3	66.7	94	52	59	60	60	80	71	84	.508	.517	.528	2.94	.80	5.6	5.5	5.0	6.0
August	29.936	30.390	29.650	63.6	69.8	63.9	73.2	57.6	65.4	93	48	56	55	57	78	64	81	.465	.461	.480	4.64	2.05	4.8	3.6	3.9	4.7
September	29.926	30.350	29.510	54.8	61.5	57.1	64.1	49.3	56.7	77	39	49	48	50	82	64	80	.362	.351	.381	5.58	1.54	5.6	5.5	4.4	6.2
October	30.000	30.440	29.420	47.3	54.2	50.4	57.5	43.0	50.2	76	34	41	41	43	80	66	77	.272	.279	.288	2.39	.79	4.9	5.2	3.9	5.7
November	29.887	30.520	29.000	36.6	43.3	40.5	46.0	33.4	39.7	56	17	30	32	32	75	66	72	.174	.190	.186	3.38	1.69	4.8	5.0	4.6	5.5
December	30.003	30.640	29.300	25.9	30.6	28.7	33.4	22.6	28.0	56	10	22	21	22	83	68	74	.124	.122	.124	4.30	.75	6.5	6.4	5.5	6.8
Year	29.891	30.640	28.530	42.0	48.1	44.5	51.8	36.5	44.2	94	−14	34	35	35	78	62	72	.248	.248	.256	38.45	2.07	5.4	5.1	4.2	5.6

PORTLAND, OREG.

[ϕ=45° 32′ N.; λ=122° 41′ W.]

January	29.991	30.350	29.280	44.4	....	47.4	49.5	41.4	45.4	59	24	40	....	40	85	79	76	0.255	0.265	0.257	4.68	0.85	8.3	....	7.5	8.2
February	29.851	30.214	29.130	39.0	43.2	44.9	47.2	36.1	41.6	59	22	34	33	33	81	71	65	.198	.200	.196	6.77	1.30	6.8	8.1	7.7	7.2
March	29.855	30.280	29.250	41.9	50.0	52.0	53.7	39.6	46.7	76	31	37	38	39	84	65	64	.225	.233	.247	3.47	.72	6.3	8.0	7.4	6.8
April	29.928	30.350	29.560	44.2	57.3	61.9	63.3	42.3	52.8	82	32	38	38	37	79	61	45	.230	.232	.228	1.13	.37	5.0	6.0	4.3	5.3
May	29.926	30.170	29.710	47.8	59.2	63.3	64.5	46.6	55.6	79	40	42	42	41	80	54	46	.265	.277	.262	1.38	.77	6.5	5.9	5.2	6.2
June	29.842	30.180	29.450	56.7	71.2	78.0	78.8	55.4	67.1	91	44	48	48	48	73	46	37	.338	.343	.347	.12	.08	5.4	4.1	2.7	4.0
July	29.833	30.060	29.576	58.2	70.7	77.0	78.4	57.1	67.8	91	48	52	51	52	79	52	45	.385	.380	.388	1.08	.89	5.0	4.9	5.6	5.2
August	29.879	30.110	29.530	58.8	70.6	75.7	77.3	57.4	67.4	94	48	52	52	52	80	52	46	.398	.383	.380	.31	.14	5.7	5.2	5.0	5.5
September	29.817	30.084	29.628	58.8	71.2	76.3	78.0	56.9	67.4	90	45	52	50	50	79	51	44	.394	.372	.376	.66	.66	3.4	3.6	4.0	3.9
October	29.928	30.205	29.430	51.5	59.4	60.7	63.5	49.3	56.4	78	38	48	48	51	89	68	72	.240	.245	.279	4.47	2.24	5.6	5.9	6.4	6.2
November	29.911	30.390	29.960	43.9	49.4	48.8	51.7	41.6	46.6	60	34	40	41	45	87	74	87	.249	.258	.301	4.30	1.03	5.7	7.9	7.3	7.9
December	29.976	30.300	29.320	40.3	44.3	44.3	46.9	37.7	42.3	61	25	37	38	40	88	78	87	.228	.232	.264	3.13	.78	6.6	7.7	6.7	7.0
Year	29.895	30.390	29.130	48.8	....	60.9	62.7	46.8	54.8	94	22	43	....	44	82	62	60	.292	.293	.303	31.50	2.24	5.9	....	5.8	6.1

Annual meteorological summary for the year ending December 31, 1918—Continued.

PORT ARTHUR, TEX.

[H_b=34 ft.; h_t=58 ft.; h_r=51 ft.; h_a=66 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	No. of days with 40 miles and over.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. 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	S.	42	NW.	1	10	6	5	8	10	4	2	16	1	14	7	10	9	3	3	3	0	3	0	0	10	1	0
February	10.3	S.	31	SW.	0	4	15	4	6	13	13	0	1	0	7	6	15	11	5	1	1	0	9	0	0	1	1	0
March	9.5	SW.	28	S.V.	0	9	7	6	7	16	14	0	3	0	7	18	16	4	3	0	0	0	2	0	0	0	2	0
April	11.1	S.	55	W.	4	9	8	6	12	16	7	1	1	0	10	9	11	7	6	0	0	1	0	0	0	0	7	0
May	11.6	S.	35	S.	0	1	6	5	20	27	3	0	0	0	16	10	5	5	3	0	0	0	0	0	0	0	0	0
June	8.8	S.	37	SE.	0	4	5	2	2	18	20	3	6	0	13	16	1	9	9	0	0	0	0	0	11	0	11	0
July	7.5	S.V.	37	S.V.	0	9	4	2	5	10	21	5	6	0	14	14	3	8	8	0	0	0	0	0	21	0	14	0
August	7.2	S.	46	N.V.	1	3	6	7	3	17	20	3	2	1	12	14	5	12	11	0	0	0	0	0	5	0	14	0
September	8.3	E.	29	NE.	0	14	8	14	2	14	4	1	3	0	15	10	5	6	4	0	0	0	1	0	2	0	3	0
October	8.4	N.	30	N.V.	0	20	9	6	1	9	3	5	8	1	7	14	10	11	6	0	0	0	1	0	0	0	5	0
November	10.2	NE.	36	S.	0	7	17	10	9	8	3	2	6	0	10	7	13	10	8	0	0	0	0	0	0	0	3	0
December	9.3	S.	40	E.	1	3	6	8	5	16	6	6	12	0	11	7	13	6	5	0	0	0	3	0	0	1	1	0
Year	9.4	S.	55	W.	7	93	97	75	80	172	118	28	64	3	136	132	97	98	71	4	4	1	19	0	39	12	62	0

PORT HURON, MICH.

[H_b=638 ft.; h_t=70 ft.; h_r=63 ft.; h_a=120 ft.]

January	12.7	S.V.	52	SW.	1	1	6	7	7	3	20	7	11	0	8	11	12	14	8	22	14	0	1	29	0	31	0	0
February	13.7	S.V.	57	N.V.	4	3	2	1	5	9	18	5	13	0	8	12	8	12	9	13	5	0	3	12	0	27	2	0
March	12.6	S.V.	43	N.	1	6	14	3	1	6	16	6	10	0	21	5	5	6	5	5	4	1	1	5	0	23	4	1
April	12.7	NE.	45	S.V.	1	11	12	5	10	6	8	5	3	0	8	14	8	14	8	5	2	0	3	1	0	16	2	1
May	10.8	SW.	46	W.	2	8	13	5	4	12	13	2	5	0	13	13	5	10	8	0	0	0	2	0	0	1	7	0
June	10.5	NE.	37	W.	0	6	15	3	7	6	8	6	9	0	15	12	3	6	3	0	0	0	2	0	0	0	4	0
July	8.8	NE.	40	W.	1	10	18	3	2	6	10	5	8	0	13	15	3	6	5	0	0	0	0	0	5	0	4	0
August	9.3	NE.	33	NW.	0	6	12	7	4	11	10	3	9	0	12	17	2	9	6	0	0	0	0	0	6	0	7	1
September	10.6	N.V.	42	NE.	1	6	5	2	4	6	17	9	11	0	4	17	9	13	9	0	0	0	0	0	0	0	4	0
October	11.2	S.V.	38	NE.	0	4	4	8	7	11	14	7	7	0	5	16	10	12	5	0	0	0	2	0	0	0	1	0
November	12.5	S.V.	45	N.V.	1	2	1	1	7	9	14	14	12	0	7	11	12	10	8	5	1	0	0	0	0	11	1	1
December	10.7	N.V.	39	NW.	0	2	5	5	10	6	10	14	10	0	4	10	17	12	7	12	6	0	5	5	0	23	1	1
Year	11.3	S.V.	57	NW.	12	65	107	50	68	91	158	83	108	0	118	153	94	124	81	62	32	1	19	52	11	132	37	5

PORTLAND, ME.

[H_b=103 ft.; h_t=82 ft.; h_r=75 ft.; h_a=117 ft.]

January	8.8	N.V.	47	SE.	1	10	0	2	0	2	11	18	19	0	14	5	12	11	7	13	11	0	0	28	0	31	0	0
February	9.2	N.V.	46	SE.	1	8	2	0	2	8	4	13	17	2	7	10	11	15	12	12	11	0	1	18	0	28	0	0
March	10.6	N.V.	56	N.V.	2	15	3	1	1	10	11	8	13	0	13	8	10	8	7	9	7	0	2	5	0	30	0	1
April	9.9	N.	34	N.V.	0	14	5	5	4	7	7	10	8	0	12	9	9	8	7	3	3	0	1	0	0	11	1	0
May	10.0	S.	30	S.V.	0	1	4	6	6	23	10	3	8	1	12	10	9	11	8	0	0	0	3	0	0	0	1	0
June	8.8	S.	34	SE.	0	5	6	6	11	6	8	13	5	0	9	8	13	9	6	0	0	0	6	0	0	0	2	0
July	6.8	S.	24	S.	0	7	10	7	4	13	9	6	6	0	9	9	13	16	14	0	0	0	6	0	2	0	4	0
August	7.1	S.	36	S.	0	4	6	8	6	14	8	2	13	1	11	12	8	13	9	0	0	0	9	0	2	0	5	1
September	8.3	S.	36	NE.	0	8	4	3	5	13	9	7	10	1	7	10	13	15	12	0	0	0	4	0	0	0	2	0
October	8.4	S.	34	S.	0	9	2	3	4	17	9	10	8	0	11	5	15	15	9	0	0	0	8	0	0	0	1	0
November	8.4	W.	36	N.V.	0	10	5	2	4	2	13	12	12	0	8	11	11	13	10	0	0	0	3	1	0	12	1	0
December	8.3	N.V.	38	N.V.	0	17	3	0	4	2	7	12	17	0	0	3	19	20	18	15	14	0	4	15	0	25	0	0
Year	8.7	NW.	56	N.V.	4	108	50	43	51	117	106	114	136	5	122	100	143	154	119	52	46	0	47	67	4	137	17	2

PORTLAND, OREG.

[H_b=153 ft.; h_t=68 ft.; h_r=63 ft.; h_a=106 ft.]

January	6.4	S.V.	29	E.	0	0	1	6	11	10	18	8	8	0	0	9	22	22	12	0	0	0	2	0	0	2	0	0
February	7.0	SE.	27	E.	0	1	1	7	14	13	6	2	12	0	5	6	17	18	15	6	3	0	1	1	0	4	0	0
March	6.1	S.	26	SW.	0	3	0	2	9	15	9	3	20	1	6	7	18	17	17	1	0	0	1	0	0	2	0	0
April	5.2	NW.	21	W.	0	5	5	1	7	10	8	6	15	3	10	8	12	8	7	0	0	1	0	0	0	1	0	0
May	5.3	NW.	24	SW.	0	8	1	2	5	9	7	7	20	3	7	12	12	12	7	0	0	0	0	0	0	0	0	0
June	6.4	NW.	19	N.	0	12	0	1	4	1	7	5	30	0	13	15	2	2	2	0	0	0	0	0	2	0	1	0
July	5.5	NW.	21	NW.	0	13	3	1	8	3	5	5	24	0	12	10	9	5	3	0	0	0	0	0	1	0	1	0
August	6.0	N.W.	24	S.	0	5	4	1	5	7	3	9	28	0	11	6	14	7	4	0	0	0	0	0	4	0	1	0
September	5.0	NW.	24	E.	0	7	3	3	3	3	0	3	38	0	15	8	7	2	1	0	0	0	1	0	1	0	0	0
October	5.3	NW.	29	S.	0	6	2	2	9	6	10	8	19	0	4	15	12	16	15	0	0	1	5	0	0	0	0	0
November	6.0	SE.	25	S.V.	0	5	1	8	14	8	8	4	12	0	1	8	21	18	15	0	0	0	9	0	0	0	0	0
December	7.0	SE.	28	SW.	0	4	3	12	12	10	11	2	8	0	7	8	16	16	14	0	0	0	5	0	0	7	0	0
Year	6.0	N.V.	29	S.	0	69	24	46	101	95	92	62	234	7	91	112	162	143	112	7	3	2	24	1	8	16	3	0

Annual meteorological summary for the year ending December 31, 1918—Continued.

PROVIDENCE, R. I.

[ϕ=41° 50′ N.; λ=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.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	29.649	30.280	28.550	16.9	23.3	20.9	27.3	13.3	20.3	51	−4	12	14	14	79	65	73	0.081	0.091	0.084	3.11	1.01	5.8	5.2	4.0	5.4
February	29.858	30.530	28.750	24.1	30.5	26.9	35.7	16.2	26.0	55	−10	20	23	22	83	74	82	.127	.143	.133	2.87	1.15	5.7	5.5	5.1	5.6
March	29.775	30.250	29.240	33.3	41.2	36.9	46.4	27.1	36.8	68	9	27	30	28	78	67	71	.151	.169	.156	1.77	.96	5.4	6.1	4.4	5.2
April	29.863	30.410	29.390	44.4	51.5	46.1	56.4	38.0	47.2	74	30	33	33	33	66	53	64	.194	.200	.199	3.74	2.16	5.5	5.2	5.7	5.5
May	29.887	30.307	29.420	59.9	67.8	60.1	72.6	51.4	62.0	88	42	49	49	50	70	54	70	.364	.368	.374	2.07	1.13	5.2	4.7	4.7	5.0
June	29.763	30.080	29.160	63.5	70.1	63.0	73.4	54.7	64.0	91	45	51	52	50	67	56	66	.395	.407	.377	3.12	2.14	4.7	5.5	5.1	5.1
July	29.807	30.080	29.540	69.7	77.3	70.0	80.5	62.3	71.4	97	54	61	61	62	74	59	76	.541	.542	.558	4.44	2.21	4.6	5.6	4.5	5.2
August	29.872	30.290	29.520	69.3	77.0	70.6	80.9	62.7	71.8	96	48	60	60	62	74	60	75	.535	.554	.576	2.41	1.04	5.2	4.5	4.6	5.0
September	29.865	30.220	29.520	58.8	66.9	60.5	69.4	51.7	60.6	81	42	50	51	53	74	58	77	.380	.391	.414	8.04	2.39	5.6	6.1	3.9	6.0
October	29.941	30.369	29.400	51.0	60.5	55.3	63.6	45.3	54.4	76	36	44	44	46	77	58	73	.308	.316	.335	.65	.24	4.2	4.3	3.1	5.0
November	29.836	30.400	28.940	40.5	47.6	43.4	50.4	36.1	43.2	63	19	33	33	34	74	58	69	.202	.201	.201	2.01	1.36	4.7	4.9	4.8	5.7
December	29.932	30.560	29.300	31.7	36.6	31.3	40.7	27.3	34.0	60	12	25	27	26	78	68	73	.149	.156	.153	3.14	.85	6.3	5.5	4.9	6.0
Year	29.837	30.560	28.550	46.9	54.2	49.0	58.1	40.5	49.3	97	−10	39	40	40	74	61	72	.286	.295	.297	37.37	2.39	5.2	5.3	4.6	5.4

PUEBLO, COLO.

[ϕ=38° 18′ N.; λ=104° 36′ W.]

January	25.166	25.470	24.760	16.4	32.0	28.3	37.0	8.5	22.8	71	−15	9	17	17	72	59	66	0.070	0.095	0.095	0.61	0.28	4.4	5.5	5.0	5.5
February	25.231	25.700	24.630	27.5	46.9	45.8	53.3	21.4	37.4	72	−8	12	16	16	55	35	33	.075	.090	.091	.79	.70	1.9	4.3	3.8	4.0
March	25.260	25.780	24.780	36.6	56.8	55.5	61.5	32.0	46.8	74	6	22	23	25	56	32	36	.117	.126	.138	.35	.13	3.2	5.5	5.6	5.5
April	25.202	25.710	24.770	35.8	52.9	52.9	58.0	33.7	45.8	76	26	30	26	30	78	41	45	.166	.150	.168	1.31	.72	5.2	5.5	6.2	6.1
May	25.180	25.510	24.868	49.1	70.8	71.3	76.1	46.2	61.2	89	34	32	25	30	54	23	26	.183	.146	.175	.06	.03	4.7	4.6	5.9	5.4
June	25.333	25.590	25.054	61.6	85.1	81.3	89.2	58.8	74.0	99	45	46	42	44	59	26	32	.326	.288	.303	1.02	.61	2.7	3.1	6.8	4.2
July	25.381	25.590	25.140	61.3	82.6	79.7	87.4	60.3	73.8	95	54	53	50	50	75	35	40	.408	.363	.373	.93	.27	3.5	3.9	7.7	5.2
August	25.336	25.550	25.060	60.6	84.5	81.3	88.3	59.5	73.9	99	48	48	44	44	67	26	31	.348	.281	.308	.57	.14	3.9	3.8	6.9	5.1
September	25.398	25.690	25.030	50.0	68.6	67.3	73.4	48.1	60.8	92	37	42	42	43	77	44	47	.273	.277	.286	1.43	.95	4.3	4.9	4.7	5.0
October	25.337	25.610	24.770	44.2	65.6	62.6	69.9	41.7	55.8	87	25	36	36	36	73	37	40	.215	.212	.221	.14	.07	4.3	4.7	5.3	5.0
November	25.283	25.660	24.790	27.0	45.7	42.0	49.7	22.9	36.3	75	−2	18	23	24	69	48	54	.099	.129	.133	.66	.34	3.8	3.2	3.2	3.6
December	25.282	25.520	24.840	24.3	37.9	33.7	42.2	18.3	30.2	67	−11	16	20	20	72	54	62	.092	.109	.108	.92	.30	4.5	6.5	4.6	5.7
Year	25.282	25.780	24.630	41.2	60.8	58.5	65.5	37.6	51.6	99	−15	30	30	32	67	38	43	.198	.189	.200	8.79	.95	3.9	4.6	5.5	5.0

RALEIGH, N. C.

[ϕ=35° 45′ N.; λ=78° 37′ W.]

January	29.540	30.040	28.700	37.1	34.2	33.7	41.0	23.9	32.4	65	6	23	24	25	83	67	70	0.129	0.133	0.136	4.80	1.12	5.5	5.2	4.7	5.3
February	29.739	30.220	28.940	40.5	51.1	51.6	58.6	37.4	48.0	77	15	34	37	40	79	61	67	.219	.254	.275	1.16	.33	4.6	4.3	4.1	5.0
March	29.653	30.200	29.190	48.9	60.6	58.6	66.8	44.6	55.7	84	30	41	41	41	74	51	55	.276	.278	.281	2.53	.86	6.2	5.5	4.0	5.6
April	29.585	30.010	29.310	52.1	61.5	60.2	66.9	47.0	57.0	85	32	47	52	51	83	75	74	.339	.415	.392	6.96	2.12	5.7	7.4	6.1	6.5
May	29.720	30.040	29.360	67.2	78.4	73.9	82.4	61.7	72.0	94	41	60	65	63	79	65	71	.530	.632	.591	4.18	2.39	5.0	5.0	5.1	5.3
June	29.557	29.851	29.140	70.0	79.5	76.9	84.0	64.8	74.4	99	55	61	61	60	73	54	58	.542	.545	.532	2.31	1.01	5.0	5.7	6.9	5.8
July	29.621	29.846	29.360	71.0	80.7	76.1	84.5	65.4	75.0	94	57	64	66	63	79	53	66	.600	.541	.581	5.37	1.48	5.4	5.8	6.2	6.5
August	29.660	29.972	29.440	73.6	84.9	79.7	89.2	69.1	79.2	99	56	68	67	69	82	55	70	.690	.664	.710	2.41	1.13	3.7	4.2	5.3	4.8
September	29.661	30.000	29.420	61.6	73.6	68.9	77.2	57.1	67.2	88	43	56	55	57	84	53	68	.471	.441	.485	5.21	2.38	3.3	4.2	3.7	4.5
October	29.733	30.000	29.330	58.0	70.4	66.1	74.1	54.4	64.2	85	42	52	53	54	83	56	67	.407	.421	.437	.76	.51	5.1	5.1	4.4	5.3
November	29.698	30.060	29.130	44.2	56.3	53.6	60.6	42.1	51.4	78	32	37	40	40	76	56	62	.230	.261	.265	1.66	1.46	3.7	4.5	3.0	4.2
December	29.737	30.230	29.270	41.5	49.9	47.9	54.5	38.6	46.6	74	24	38	42	42	85	76	80	.241	.284	.284	4.33	1.96	6.6	7.0	6.9	7.5
Year	29.659	30.230	28.700	54.6	65.1	62.3	70.0	50.5	60.3	99	6	48	50	50	80	60	67	.390	.406	.414	41.08	2.39	5.0	5.3	5.0	5.5

RAPID CITY, S. DAK.

[ϕ=44° 04′ N.; λ=103° 12′ W.]

January	26.538	27.000	26.170	12.3	16.9	12.9	23.6	2.8	13.2	60	−28	5	9	6	73	71	74	0.069	0.077	0.070	1.25	0.64	5.3	6.4	6.1	6.3
February	26.536	27.180	25.960	20.5	31.7	28.1	37.2	12.2	24.7	65	−19	9	14	14	62	52	61	.077	.089	.094	.45	.41	3.8	4.5	4.1	4.6
March	26.555	27.115	26.060	38.0	52.0	49.8	57.1	29.7	43.4	74	0	25	21	22	61	35	40	.141	.115	.122	.70	.24	5.2	5.2	5.7	5.2
April	26.563	27.010	26.110	33.6	44.8	44.8	49.2	31.2	40.2	69	18	26	27	29	72	55	56	.141	.153	.161	2.87	.80	7.0	7.3	7.0	6.9
May	26.502	26.827	26.100	48.0	62.0	62.0	66.9	43.9	55.4	85	32	37	36	35	68	46	44	.229	.221	.206	4.10	1.27	5.5	5.9	6.8	5.9
June	26.662	26.880	26.350	61.8	74.7	75.4	79.9	57.0	68.4	99	41	49	50	51	64	44	45	.357	.382	.395	1.23	.42	5.4	4.2	4.3	4.9
July	26.671	26.950	26.352	61.2	74.5	75.4	79.9	57.9	68.9	94	49	53	54	55	76	54	53	.405	.424	.438	4.12	1.64	5.0	5.0	5.1	5.0
August	26.620	26.900	26.360	61.1	78.0	76.9	82.7	57.1	69.9	96	47	49	49	50	66	40	43	.351	.363	.379	2.64	1.19	4.2	2.6	4.3	3.5
September	26.727	27.030	26.380	49.8	63.3	61.5	67.4	46.0	56.7	88	30	38	40	40	66	47	49	.232	.251	.253	2.06	.78	4.3	4.6	5.3	4.8
October	26.638	26.900	26.020	44.7	61.0	56.0	64.2	39.5	51.8	83	23	32	35	37	63	41	51	.188	.213	.226	.29	.23	3.8	4.7	4.3	4.9
November	26.592	27.150	26.010	29.3	42.7	36.4	46.3	23.3	34.8	72	−11	17	23	22	61	49	56	.099	.128	.121	.21	.14	3.7	3.8	3.3	3.9
December	26.598	26.990	26.150	26.1	37.1	31.3	40.7	18.8	29.8	67	−9	16	18	17	64	49	56	.094	.100	.099	.46	.26	4.7	5.8	4.6	5.5
Year	26.597	27.180	25.960	40.5	53.2	50.9	57.9	34.9	46.4	99	−28	30	31	32	66	49	52	.199	.210	.214	20.38	1.64	4.8	5.0	5.1	5.1

Annual meteorological summary for the year ending December 31, 1918—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.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. 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. Thunderstorm.	Aurora.
	Miles.		*Mi.*																									
January	15.6	NW.	71	SE.	8	7	3	2	1	2	8	15	23	1	8	13	10	9	6	12	7	0	0	23	0	31	1	0
February	16.4	NW.	68	W.	8	3	1	2	3	11	11	6	18	1	9	8	11	15	8	11	8	0	1	9	0	26	1	0
March	14.4	NW.	65	NW.	6	9	4	2	2	7	15	7	16	0	8	15	8	9	9	8	7	0	1	1	0	22	1	2
April	12.8	NW.	58	W.	2	8	14	4	7	8	6	4	9	0	8	11	11	10	8	5	2	0	0	0	0	7	0	1
May	11.9	SW.	54	NW.	2	0	5	2	10	12	19	8	6	0	9	16	6	13	8	0	0	0	0	0	0	0	2	1
June	11.9	NW.	58	SE.	3	5	4	5	9	5	9	7	16	0	9	15	6	8	6	0	0	1	0	0	1	0	3	0
July	9.5	SW.	48	NW.	1	9	5	1	7	7	19	4	10	0	8	16	7	8	6	0	0	1	1	0	5	0	6	0
August	9.2	SW.	44	NW.	1	9	3	3	7	11	20	4	5	0	11	10	10	5	5	0	0	0	1	0	3	0	5	0
September	11.2	NW.	35	NW.	0	9	5	3	2	8	12	7	14	0	6	16	8	11	10	0	0	0	1	0	0	0	3	1
October	10.7	SW.	43	NW.	1	11	0	1	4	13	18	2	13	0	11	11	9	7	5	0	0	0	0	9	0	0	1	0
November	12.6	NW.	51	NW.	1	9	2	3	2	3	8	12	21	0	7	14	9	7	7	1	0	0	1	0	0	7	0	0
December	11.5	NW.	54	NW.	3	19	2	2	3	3	5	8	20	0	9	7	15	15	12	8	5	0	3	5	0	21	0	0
Year	12.3	NW.	71	SE.	36	98	48	30	57	90	150	84	171	2	103	152	110	117	90	45	29	2	18	38	9	114	23	5

PUEBLO, COLO.

[H_b=4,685 ft.; h_t=80 ft.; h_r=72 ft.; h_a=86 ft.]

January	5.8	NW.	37	NW.	0	5	5	9	12	2	3	10	14	2	11	7	13	8	4	9	7	0	0	13	0	30	0	0
February	9.4	NW.	48	W.	3	3	5	8	10	0	1	13	15	1	13	10	5	4	2	2	2	0	0	3	0	23	0	0
March	7.6	NW.	49	W.	2	11	2	7	11	1	2	16	12	0	12	7	12	5	3	2	1	0	2	0	0	15	0	1
April	7.3	E.	44	E.	1	5	11	9	11	0	0	7	17	0	4	16	10	10	6	6	2	0	0	0	0	14	3	0
May	8.6	W.	39	NW.	0	5	6	8	10	1	6	11	15	0	8	15	8	2	0	0	0	0	0	0	0	0	1	0
June	6.8	NW.	31	NW.	0	5	6	17	7	0	0	5	18	2	14	12	4	8	3	0	0	0	0	0	0	14	0	0
July	5.3	SE.	42	W.	1	13	5	5	13	1	2	6	16	1	9	14	8	11	6	0	0	0	0	0	0	12	0	0
August	5.5	NW.	39	W.	0	10	6	7	11	1	3	7	14	3	8	17	6	9	7	0	0	0	0	0	0	16	0	0
September	5.4	SE.	33	NW.	0	4	9	12	18	1	3	3	17	2	13	6	11	8	6	0	0	0	1	0	0	1	0	0
October	4.8	NW.	30	NW.	0	9	7	11	13	0	1	4	14	3	13	8	10	5	1	0	0	0	1	0	0	5	1	0
November	6.1	NW.	37	NW.	0	8	6	10	8	1	1	3	23	0	15	9	6	6	6	8	6	0	0	6	0	23	0	0
December	6.3	NW.	41	NW.	1	13	3	3	8	1	2	16	15	1	11	4	16	9	6	11	9	0	0	10	0	26	0	0
Year	6.6	NW.	49	W.	8	91	62	106	132	9	24	101	190	15	131	125	109	85	50	38	27	2	4	32	43	136	46	1

RALEIGH, N. C.

[H_b=376 ft.; h_t=103 ft.; h_r=94 ft.; h_a=110 ft.]

January	8.0	NE.	52	W.	2	4	11	4	7	1	13	12	10	0	10	9	12	14	11	3	3	0	0	8	0	29	1	0
February	8.7	SW.	35	NW.	0	9	8	4	5	1	16	8	4	1	12	3	13	11	8	1	0	0	3	1	0	10	2	0
March	9.3	SW.	34	NW.	0	8	13	7	2	3	17	5	7	0	7	12	12	8	8	0	0	0	1	0	0	2	3	1
April	8.6	NE.	33	NE.	0	6	15	4	4	3	14	6	8	0	6	9	15	14	14	2	2	0	0	0	0	1	2	0
May	7.9	SW.	36	SE.	0	3	9	3	6	7	16	14	3	1	10	11	10	9	7	0	0	1	3	0	0	9	0	0
June	7.7	SW.	31	NW.	0	5	11	6	6	7	13	9	3	0	6	12	12	7	5	0	0	0	1	0	0	3	0	0
July	5.8	N.	33	SE.	0	11	15	7	8	2	7	5	7	0	6	9	16	13	12	0	0	0	0	5	0	5	0	0
August	6.2	SW.	32	SW.	0	2	16	6	3	3	13	9	9	1	14	9	8	7	5	0	0	0	0	0	0	16	0	0
September	6.1	NE.	31	N.	0	10	19	3	5	5	11	4	2	1	11	11	8	7	6	0	0	0	2	0	0	0	3	0
October	7.5	NE.	26	NE.	0	4	19	8	7	1	18	2	2	1	9	8	14	4	3	0	0	0	2	0	0	0	0	0
November	7.6	NE.	29	SW.	0	14	20	2	4	2	3	7	8	0	15	6	9	5	4	0	0	0	1	0	0	0	0	0
December	8.8	NE.	32	NW.	0	9	16	7	2	3	8	9	8	0	7	3	21	12	11	3	1	0	3	0	0	5	0	0
Year	7.7	NE.	52	W.	2	85	172	61	59	38	149	90	71	5	113	102	150	111	94	9	6	1	21	9	30	47	35	1

RAPID CITY, S. DAK.

[H_b=3,234 ft.; h_t=50 ft.; h_r=43 ft.; h_a=58 ft.]

January	9.1	N.	40	NW.	1	15	5	0	12	0	3	11	15	1	7	11	13	13	5	19	12	0	2	20	0	28	0	0
February	9.2	W.	40	N.	1	11	4	2	5	2	4	17	11	0	10	11	7	3	3	6	3	0	0	10	0	24	0	0
March	10.0	W.	46	SW.	3	17	2	2	8	4	5	19	3	2	10	9	12	6	4	4	4	0	1	3	0	15	0	1
April	12.7	NW.	48	NW.	4	12	1	3	5	13	2	4	20	0	5	8	17	11	9	10	9	0	0	3	0	21	0	1
May	10.3	N.	46	N.	1	16	4	2	8	4	8	14	5	1	6	15	10	15	14	3	2	1	0	0	0	1	10	0
June	7.8	W.	48	N.	1	7	4	2	11	5	5	15	11	0	8	16	6	12	6	0	0	1	1	0	4	0	14	0
July	6.9	N.	34	NW.	0	10	6	5	6	10	3	11	11	0	13	7	11	18	13	0	0	0	0	0	6	0	14	0
August	8.0	W.	34	N.	0	9	5	3	9	10	5	16	5	0	16	14	1	11	6	0	0	1	0	0	7	0	14	0
September	8.2	W.	36	N.	0	16	4	3	5	7	2	16	7	0	15	6	9	13	10	0	0	0	0	0	0	1	1	0
October	7.8	W.	36	NW.	0	7	6	2	11	4	6	18	8	0	14	7	10	5	1	2	1	0	0	0	0	7	0	1
November	8.7	W.	39	NW.	0	10	5	0	3	4	4	19	15	0	17	5	8	3	3	5	3	0	0	7	0	24	1	0
December	8.8	W.	49	NW.	2	10	1	1	5	3	2	17	23	0	11	6	14	4	3	4	3	0	1	9	0	28	0	1
Year	9.0	W.	49	NW.	13	140	47	25	88	66	49	177	134	4	132	115	118	114	77	53	37	3	5	52	17	149	54	4

Annual meteorological summary for the year ending December 31, 1918—Continued.

READING, PA.

[ϕ=40° 20′ N.; λ=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.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.574	30.078	28.590	17.2	21.8	20.8	26.4	13.3	19.8	54	1	13	14	14	84	70	71	0.081	0.084	0.080	4.64	1.65	7.1	6.4	5.0	6.4
February	29.749	30.360	28.670	25.4	32.6	31.6	38.8	20.0	29.4	59	− 6	19	20	21	75	60	65	.113	.119	.123	2.64	1.28	6.6	5.9	3.9	6.2
March	29.667	30.213	29.150	38.2	47.0	46.0	54.0	33.5	43.8	78	17	28	26	28	66	47	51	.158	.153	.162	1.83	.78	4.5	5.1	3.8	4.9
April	29.680	30.150	29.231	46.1	54.6	52.9	59.9	42.0	51.0	78	32	34	34	37	65	51	57	.207	.207	.232	5.02	1.65	6.5	6.8	6.5	6.7
May	29.727	30.106	29.201	62.0	71.9	68.6	77.2	55.8	66.5	90	42	52	52	53	72	53	60	.409	.419	.425	4.00	1.96	6.5	6.3	6.4	6.6
June	29.614	29.922	29.036	64.8	73.4	69.5	78.2	58.6	68.4	94	49	54	54	54	68	52	62	.427	.434	.440	2.94	1.35	5.8	5.9	6.4	5.7
July	29.660	29.927	29.411	69.6	79.5	75.0	83.8	63.3	73.6	95	51	59	56	58	70	46	58	.518	.465	.499	2.43	.83	4.6	5.1	5.1	4.9
August	29.706	30.126	29.440	71.3	81.6	76.5	86.6	66.3	76.4	105	55	63	62	63	76	53	65	.585	.580	.588	3.00	.95	4.2	4.3	4.9	4.4
September	29.713	30.028	29.440	57.6	67.7	63.8	72.2	52.5	62.4	83	42	51	49	51	79	54	65	.381	.366	.388	2.64	.113	4.7	5.7	5.4	5.4
October	29.790	30.230	29.270	52.3	64.0	60.4	68.6	48.5	58.6	79	36	46	45	46	79	52	60	.326	.320	.330	.74	.27	5.1	5.0	4.3	5.1
November	29.733	30.218	28.874	40.1	48.4	45.0	51.7	36.7	44.2	68	26	33	33	33	74	56	63	.194	.199	.201	1.79	1.17	4.9	5.8	5.0	5.4
December	29.802	30.414	29.240	36.1	40.7	39.7	45.1	32.1	38.6	63	24	30	29	30	76	64	70	.169	.167	.180	4.74	1.90	7.6	6.8	6.4	6.8
Year	29.701	30.414	28.590	48.4	56.9	54.2	61.9	43.6	52.7	105	− 6	40	40	41	74	55	62	.297	.293	.304	36.41	1.96	5.7	5.8	5.3	5.7

RED BLUFF, CALIF.

[ϕ=40° 10′ N.; λ=122° 15′ W.]

Month.	Pressure: Monthly mean.	Pressure: Maximum.	Pressure: Minimum.	Temp. mean: 8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Extremes: Maximum.	Extremes: Minimum.	Dew point: 8 a. m.	Noon, local time.	8 p. m.	Relative humidity: 8 a. m.	Noon, local time.	8 p. m.	Vapor pressure: 8 a. m.	Noon, local time.	8 p. m.	Precipitation: Total.	Maximum in 24 hours.	Cloudiness: 8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	29.794	30.000	29.356	42.1	50.1	54.2	55.3	40.2	47.8	73	30	34	34	33	76	61	52	0.202	0.207	0.200	0.67	0.40	2.5	5.1	4.1	4.6
February	29.701	30.100	29.350	41.5	51.4	54.6	56.2	40.3	48.2	67	32	35	35	36	79	57	53	.211	.212	.215	3.23	.70	3.7	4.8	5.6	4.9
March	29.667	30.110	29.260	45.4	57.6	60.8	62.8	44.2	53.5	84	28	40	40	40	82	56	51	.254	.255	.253	4.28	1.08	4.8	5.1	5.4	5.1
April	29.622	29.840	29.254	49.5	67.5	71.7	72.5	48.1	60.3	91	34	36	35	35	62	35	30	.221	.220	.220	.68	.56	1.6	1.9	2.0	2.1
May	29.574	29.780	29.350	53.7	73.0	77.0	78.4	52.0	65.2	89	44	39	37	36	61	29	25	.246	.228	.216	.05	.03	2.1	2.5	2.3	2.1
June	29.455	29.650	29.237	67.8	91.1	97.3	98.5	65.6	82.0	112	54	43	42	34	43	20	13	.291	.280	.214	.09	.09	1.6	1.9	2.1	1.5
July	29.508	29.720	29.330	67.1	86.3	94.0	94.5	64.1	79.3	103	55	47	45	38	49	25	15	.323	.300	.229	.00	.00	0.7	0.7	0.6	0.6
August	29.523	29.710	29.331	67.8	85.8	94.6	94.8	64.7	79.8	110	54	46	43	38	48	25	15	.319	.290	.231	.12	.12	0.8	1.2	0.9	1.0
September	29.551	29.730	29.330	62.2	77.0	81.6	83.3	59.6	71.4	99	53	54	54	53	75	49	42	.422	.428	.427	7.46	6.12	3.5	4.1	3.5	3.7
October	29.650	29.810	29.400	56.6	71.2	75.7	76.8	53.6	65.2	86	43	49	47	46	75	46	39	.356	.349	.336	.51	.30	2.4	2.4	2.8	2.6
November	29.715	30.160	29.230	44.2	56.0	57.5	60.3	41.6	51.0	76	34	40	42	41	83	61	58	.250	.274	.266	4.70	1.88	2.6	3.5	3.8	4.8
December	29.773	30.080	29.310	37.7	48.5	51.2	53.5	34.9	44.2	68	26	32	34	33	79	59	54	.179	.204	.194	1.78	.93	2.6	2.9	2.7	3.9
Year	29.628	30.160	29.230	53.0	68.0	72.5	73.9	50.7	62.3	112	26	41	41	39	68	44	37	.273	.271	.250	23.57	6.12	2.4	3.0	3.0	3.1

RENO, NEV.

[ϕ=39° 32′ N.; λ=119° 49′ W.]

Month.	Pressure: Monthly mean.	Pressure: Maximum.	Pressure: Minimum.	Temp. mean: 8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Extremes: Maximum.	Extremes: Minimum.	Dew point: 8 a. m.	Noon, local time.	8 p. m.	Relative humidity: 8 a. m.	Noon, local time.	8 p. m.	Vapor pressure: 8 a. m.	Noon, local time.	8 p. m.	Precipitation: Total.	Maximum in 24 hours.	Cloudiness: 8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	25.540	25.830	25.110	28.6	42.7	43.9	48.8	23.8	36.3	60	12	20	22	20	70	44	40	0.109	0.120	0.113	0.13	0.10	2.9	4.5	4.5	4.0
February	25.448	25.876	25.069	28.7	41.1	41.6	45.9	24.1	35.0	62	10	21	24	22	73	53	49	.116	.129	.118	1.73	.55	4.7	4.9	5.4	5.0
March	25.449	25.830	25.010	31.7	47.3	48.1	52.0	28.7	40.4	73	14	25	28	27	75	51	48	.134	.156	.147	2.51	.74	3.9	5.3	5.5	5.0
April	25.438	25.740	25.070	35.5	57.2	58.5	62.5	32.9	47.7	77	19	24	23	20	62	28	24	.128	.122	.109	.16	.11	2.2	2.7	2.8	2.5
May	25.406	25.650	25.160	40.6	62.4	61.9	67.0	38.5	52.8	80	32	28	26	29	60	26	32	.149	.140	.162	.25	.16	2.5	3.7	4.0	3.2
June	25.461	25.670	25.210	54.8	82.5	83.1	88.2	53.8	71.0	96	37	40	39	40	59	24	23	.257	.250	.253	.14	.08	2.0	2.4	4.0	2.6
July	25.466	25.590	25.336	54.5	81.7	82.8	86.8	52.9	69.8	94	45	37	35	35	20	20	18	.222	.207	.204	T.	T.	1.6	1.5	2.8	1.8
August	25.485	25.690	25.297	52.6	79.1	80.2	84.5	50.9	67.7	95	40	36	36	36	54	21	22	.217	.211	.216	T.	T.	1.2	1.6	2.8	1.8
September	25.485	25.659	25.308	49.9	71.4	72.3	76.5	47.7	62.1	88	37	40	40	38	72	36	34	.255	.258	.241	2.41	1.29	4.5	4.3	4.6	4.4
October	25.538	25.690	25.300	41.6	62.7	62.8	68.0	39.2	53.6	82	27	36	36	36	79	39	40	.215	.220	.226	.75	.48	2.5	3.0	4.1	3.2
November	25.485	25.840	25.050	31.0	46.7	46.2	51.1	27.1	39.1	70	13	24	26	25	76	46	44	.129	.142	.133	.37	.18	3.7	5.0	5.2	4.7
December	25.517	25.850	25.120	24.6	38.6	38.2	43.7	20.5	32.1	66	8	19	25	22	80	59	53	.100	.131	.117	.40	.16	3.3	4.6	4.2	3.8
Year	25.476	25.876	25.010	39.5	59.4	60.0	64.6	36.7	50.6	96	8	29	30	29	68	37	36	.169	.174	.170	8.85	1.29	2.9	3.6	4.2	3.5

RICHMOND, VA.

[ϕ=37° 32′ N.; λ=77° 27′ W.]

Month.	Pressure: Monthly mean.	Pressure: Maximum.	Pressure: Minimum.	Temp. mean: 8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Extremes: Maximum.	Extremes: Minimum.	Dew point: 8 a. m.	Noon, local time.	8 p. m.	Relative humidity: 8 a. m.	Noon, local time.	8 p. m.	Vapor pressure: 8 a. m.	Noon, local time.	8 p. m.	Precipitation: Total.	Maximum in 24 hours.	Cloudiness: 8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	29.795	30.330	28.720	23.2	30.2	29.0	35.8	20.1	28.0	60	− 1	18	18	20	79	59	67	0.100	0.100	0.107	5.81	1.35	6.5	6.2	5.5	5.9
February	29.982	30.560	29.010	34.7	46.1	43.7	52.5	30.0	41.2	76	3	28	28	32	75	53	64	.170	.165	.195	.91	.42	5.5	4.9	4.6	5.4
March	29.890	30.470	29.390	46.1	58.0	52.7	63.7	39.7	51.7	80	23	37	35	36	72	45	57	.240	.227	.235	3.98	1.29	5.2	5.6	4.1	5.5
April	29.851	30.300	29.480	50.2	60.7	56.5	64.7	44.7	54.7	80	32	43	43	46	78	57	70	.293	.295	.325	8.02	2.49	6.5	7.2	7.0	7.2
May	29.952	30.295	29.500	66.4	78.3	71.7	81.3	59.5	70.4	94	39	57	56	57	74	48	62	.486	.472	.488	3.30	1.98	5.3	5.6	6.5	6.2
June	29.807	30.120	29.300	68.4	78.5	73.4	81.4	60.7	71.0	95	49	60	57	60	75	51	65	.526	.493	.537	5.36	3.26	5.2	5.7	6.3	5.8
July	29.870	30.110	29.620	70.5	81.0	75.3	83.6	63.9	73.8	92	54	63	60	62	80	50	65	.595	.529	.568	1.05	.31	5.5	6.3	5.5	6.2
August	29.905	30.271	29.680	73.2	85.8	78.5	88.7	67.9	78.3	107	55	68	66	68	83	55	72	.681	.661	.709	2.76	.73	5.7	5.6	7.2	5.9
September	29.919	30.254	29.650	60.3	73.2	66.4	76.5	54.6	65.6	88	42	54	53	57	80	52	72	.428	.423	.472	3.55	1.10	4.0	4.3	3.9	4.8
October	29.996	30.370	29.520	56.0	70.6	62.5	73.7	50.8	62.2	85	35	50	51	51	81	53	67	.376	.394	.391	.59	.45	4.1	5.5	3.6	5.4
November	29.952	30.370	29.240	41.6	54.7	48.8	57.8	37.9	47.8	75	26	36	35	36	80	50	62	.222	.219	.227	1.26	.73	3.7	5.2	3.5	4.7
December	30.000	30.570	29.510	39.5	46.9	44.6	50.7	35.7	43.2	70	20	35	35	36	83	66	72	.215	.219	.230	4.79	1.98	7.0	7.5	5.6	7.1
Year	29.910	30.570	28.720	52.5	63.7	58.6	67.5	47.1	57.3	107	− 1	46	45	47	78	53	66	.361	.350	.374	41.38	3.26	5.4	5.8	5.3	5.8

Annual meteorological summary for the year ending December 31, 1918—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. Thunderstorm.	Auroras.
	Miles.		*M.*																									
January	7.9	NW.	35	SW.	0	9	3	4	6	1	5	16	18	0	11	2	18	16	13	18	13	0	0	24	0	31	0	0
February	8.1	NW.	39	NW.	0	8	0	0	13	4	6	5	18	2	9	6	13	8	7	5	2	1	2	10	0	23	0	0
March	8.0	NW.	38	NW.	0	11	1	2	13	7	5	8	15	0	13	6	12	11	10	4	1	0	0	0	0	14	1	1
April	7.4	N.	31	NW.	0	14	6	5	13	2	8	5	7	0	6	8	16	13	10	5	5	0	0	0	0	2	3	0
May	6.7	SE.	29	NW.	0	5	2	1	20	8	11	7	8	0	7	8	16	16	13	0	0	0	0	0	1	0	11	0
June	7.3	SE.	26	NW.	0	3	4	3	17	5	8	4	16	0	8	10	12	12	7	0	0	0	0	0	1	0	6	0
July	5.4	N.	36	NW.	0	9	3	2	7	8	5	10	17	1	10	13	8	11	7	0	0	0	0	0	8	0	10	0
August	5.2	SW.	34	N.	0	6	2	1	15	9	10	13	6	0	16	8	7	10	8	0	0	0	1	0	11	0	7	0
September	6.1	SE.	24	NW.	0	13	0	2	17	6	7	5	9	1	9	10	11	11	8	0	0	0	1	0	0	0	2	0
October	6.1	SE.	27	NW.	0	8	3	1	15	12	8	4	8	3	11	10	10	6	6	0	0	0	0	0	0	0	1	0
November	6.8	NW.	25	NW.	0	9	1	0	7	5	8	8	21	1	12	7	11	6	3	0	0	0	1	0	0	10	0	0
December	6.5	NW.	33	NW.	0	10	4	1	12	5	10	7	12	1	6	9	16	9	7	7	0	0	1	1	0	16	0	0
Year	6.8	NW.	39	NW.	0	105	29	22	155	72	91	92	155	9	118	97	150	129	99	39	21	1	6	35	21	96	41	1

RED BLUFF, CALIF.

[H_b=332 ft.; h_t=50 ft.; h_r=40 ft.; h_a=56 ft.]

January	6.6	*N.	33	N.	0	21	2	0	11	3	3	2	18	2	16	4	11	3	2	0	0	0	5	0	0	1	0	0
February	7.3	NW.	30	NW.	0	5	1	2	19	7	2	0	20	0	11	8	9	12	11	0	0	2	0	0	0	1	0	0
March	5.5	SE.	30	SE.	0	3	3	5	21	8	2	1	18	1	14	3	14	12	8	0	0	1	0	0	0	1	3	0
April	6.2	N.V.	29	N.	0	6	3	1	19	5	1	3	21	1	24	2	4	3	3	0	0	0	1	0	2	0	0	0
May	6.1	SE.	31	NE.	0	5	1	0	20	5	2	3	19	5	21	9	1	2	0	0	0	0	0	0	0	0	2	0
June	4.9	SE.	19	N.	0	8	2	6	19	5	3	2	14	1	25	4	1	1	1	0	0	0	0	0	28	0	1	0
July	5.0	SE.	19	SE.	0	3	0	5	31	8	2	4	8	1	31	0	0	0	0	0	0	0	0	0	27	0	0	0
August	5.3	SE.	23	N.	0	8	*1	3	17	15	5	0	11	2	26	2	1	2	1	0	0	0	0	0	26	0	1	0
September	3.7	SE.	13	SE.	0	6	2	1	17	12	2	4	14	2	14	11	5	7	5	0	0	0	0	0	6	0	2	0
October	5.1	N.V.	29	NW.	0	11	2	3	11	5	3	0	25	2	22	6	3	5	3	0	0	0	0	0	0	0	0	0
November	5.2	N.V.	31	N.	0	19	1	0	11	2	1	3	22	1	15	5	10	7	5	0	0	0	0	0	0	0	0	0
December	5.9	N.	31	SE.	0	30	0	0	4	3	4	3	18	0	17	7	7	5	4	0	0	0	0	0	0	8	0	0
Year	5.5	NW.	33	N.	0	125	18	26	200	78	30	25	208	18	238	61	66	59	43	0	0	3	6	0	89	11	9	0

RENO, NEV.

[H_b=4,532 ft.; h_t=74 ft.; h_r=67 ft.; h_a=81 ft.]

January	5.5	*W.	40	W.	1	3	8	5	7	4	4	29	10	1	17	9	5	3	1	6	2	0	1	0	0	29	0	0
February	7.2	W.	47	SW.	2	11	2	2	8	7	5	14	7	0	12	5	11	11	10	11	10	0	0	0	0	24	0	0
March	6.4	W.	42	SW.	2	2	1	6	5	10	5	25	6	2	12	6	13	9	9	7	6	0	0	1	0	21	0	0
April	7.5	W.	38	W.	0	5	5	5	2	5	6	23	4	0	22	6	2	3	1	2	2	0	0	0	0	12	0	0
May	8.5	W.	36	W.	0	2	1	1	1	4	7	34	12	0	18	10	3	2	2	5	0	2	0	0	0	2	4	0
June	6.4	W.	28	W.	0	1	2	0	3	2	6	41	5	0	21	7	2	3	2	0	0	0	0	0	12	0	8	0
July	8.1	W.	35	W.	0	2	0	1	2	4	8	40	3	2	24	6	1	0	0	0	0	0	0	0	9	0	1	0
August	7.0	W.	34	W.	0	2	1	4	8	2	9	36	0	0	23	7	1	0	0	0	0	0	0	0	8	0	1	0
September	5.4	W.	40	SW.	1	1	7	2	3	4	6	29	8	0	13	10	7	11	8	0	0	1	0	0	0	0	6	0
October	4.5	W.	29	W.	0	3	6	4	6	6	9	27	1	0	20	5	6	6	4	0	0	0	0	0	0	6	1	0
November	5.1	W.	41	SE.	1	3	5	6	5	6	6	23	5	1	14	8	8	3	3	8	0	0	0	0	0	24	0	0
December	5.2	W.	36	SE.	0	5	0	9	7	6	7	23	5	0	16	9	6	5	4	8	4	0	0	3	0	28	0	0
Year	6.4	W.	47	SW.	7	40	38	45	57	60	78	340	66	6	212	88	65	56	44	47	24	3	1	4	29	146	21	0

RICHMOND, VA.

[H_b=144 ft.; h_t=11 ft.; h_r=3 ft.; h_a=52 ft.]

January	8.8	*SW.	60	SW.	2	3	12	3	5	6	17	5	11	0	9	12	10	14	12	9	6	0	0	11	0	30	1	0
February	9.7	SW.	42	SW.	1	2	8	2	10	9	17	2	6	0	11	7	10	8	4	2	2	0	1	2	0	16	1	0
March	9.4	S.	42	NW.	1	2	14	2	8	16	15	1	4	0	10	10	11	16	11	0	0	1	1	0	0	7	4	2
April	9.2	NE.	36	NW.	0	2	22	2	5	6	11	2	10	0	5	9	16	18	15	2	1	1	0	0	0	2	5	0
May	7.5	SW.	34	NW.	0	2	10	5	13	10	18	0	4	0	8	10	13	10	9	0	0	1	0	1	0	4	0	0
June	7.4	SE.	37	NW.	0	4	9	2	15	10	12	0	8	0	8	12	10	8	7	0	0	0	0	0	0	3	0	0
July	5.7	SE.	27	SE.	0	4	9	2	14	12	10	0	11	0	7	10	14	14	9	0	0	0	0	2	0	5	0	0
August	5.9	S.	52	N.V.	1	4	13	3	9	15	14	1	3	0	6	17	8	9	6	0	0	0	1	0	12	0	9	0
September	6.0	SE.	27	NW.	0	7	12	4	14	7	5	1	9	1	14	8	8	10	8	0	0	0	2	0	0	0	6	0
October	7.7	SE.	24	NW.	0	6	12	2	14	11	8	0	8	1	9	12	10	5	4	0	0	0	1	0	0	0	0	0
November	7.2	SW.	46	SW.	1	4	12	1	7	4	21	0	10	1	13	8	9	4	3	0	0	0	3	0	0	6	1	0
December	8.0	SW.	42	N.V.	1	8	12	3	8	4	17	2	8	0	6	5	20	12	10	2	0	0	1	0	0	10	0	0
Year	7.7	*SW.	60	SW.	7	48	145	31	122	110	165	14	92	3	106	120	139	128	98	15	9	2	13	13	24	71	46	2

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1918—Continued.

ROCHESTER, N. Y.

[ϕ=43° 08′ N.; λ=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.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	29.308	29.880	28.220	12.2	15.6	15.2	21.2	8.3	14.8	40	−2	9	10	9	85	76	76	0.065	0.067	0.066	2.25	0.73	8.7	6.1	6.5	6.8
February	29.421	30.122	28.260	20.5	24.7	24.6	33.6	13.8	23.7	55	−11	15	18	18	78	74	76	.098	.112	.117	2.67	.54	8.0	8.1	6.1	7.7
March	29.440	29.940	28.740	31.1	38.6	35.1	44.3	26.8	35.6	74	5	22	24	25	70	56	67	.122	.131	.138	2.35	.93	5.1	5.7	3.6	5.5
April	29.485	29.930	28.950	41.0	48.9	46.0	53.7	36.1	44.9	75	24	30	29	30	66	50	57	.172	.168	.178	2.01	.97	6.8	6.6	5.7	6.2
May	29.470	29.953	28.810	58.0	65.5	61.8	72.1	51.3	61.7	85	37	48	48	49	70	57	66	.352	.364	.375	1.75	.47	6.5	5.5	5.9	6.1
June	29.380	29.717	28.790	61.2	66.5	64.4	71.8	53.4	62.6	88	40	48	47	47	64	51	57	.354	.336	.342	2.40	.91	4.7	5.3	5.4	4.7
July	29.440	29.730	29.130	66.8	75.6	71.1	79.8	60.7	70.2	96	49	56	56	58	69	53	63	.453	.461	.486	2.70	.80	5.6	6.0	5.2	5.3
August	29.474	29.920	29.200	68.6	77.4	72.8	80.9	62.0	71.4	97	49	58	57	58	70	52	60	.500	.495	.487	1.83	.48	4.6	4.8	4.3	4.5
September	29.470	29.871	29.130	54.0	59.7	56.7	64.1	49.0	56.6	84	39	47	45	46	77	61	70	.327	.311	.325	4.01	.86	6.7	7.9	5.3	7.1
October	29.516	29.967	29.000	49.4	58.2	53.4	61.6	44.9	53.2	75	34	43	44	44	79	61	72	.287	.299	.300	3.28	.92	6.1	6.5	4.3	6.3
November	29.437	29.936	28.668	39.8	45.4	42.2	48.2	36.5	42.4	66	20	32	32	33	73	61	71	.185	.190	.199	1.77	.53	6.9	7.2	6.6	7.5
December	29.514	30.110	28.940	32.6	35.9	35.5	39.9	28.5	34.2	58	14	26	27	28	77	70	72	.147	.152	.159	2.33	.63	8.7	8.6	7.7	8.2
Year	29.446	30.122	28.220	44.6	51.0	48.2	55.9	39.3	47.6	97	−11	36	36	37	73	60	67	.255	.257	.264	29.35	.97	6.5	6.5	5.6	6.3

ROSEBURG, OREG.

[ϕ=43° 13′ N.; λ=123° 20′ W.]

January	29.645	29.940	29.100	42.5	....	49.2	51.1	40.4	45.8	61	27	41	....	42	94	....	76	0.261	.....	0.269	3.56	0.97	6.6	....	5.8	6.5
February	29.488	29.877	28.870	38.5	....	48.8	51.5	35.4	43.4	68	25	35	....	36	88	....	65	.206	.....	.217	4.96	.76	6.2	....	6.8	6.1
March	29.475	29.920	28.910	40.2	....	55.5	57.5	38.4	48.0	79	26	37	....	38	89	....	55	.223	.....	.233	2.57	.60	6.0	....	6.3	5.7
April	29.544	29.920	29.227	40.1	58.8	54.1	65.7	38.4	52.0	85	25	36	37	34	85	48	37	.212	0.229	.203	.71	.31	5.0	3.8	3.3	3.4
May	29.553	29.790	29.404	43.7	60.7	54.9	67.2	42.4	54.8	82	34	40	41	40	87	50	42	.249	.258	.245	1.34	.88	6.1	4.4	3.4	4.3
June	29.450	29.708	29.134	52.3	74.8	81.7	83.5	51.3	67.4	96	39	47	48	45	82	41	29	.322	.346	.306	.33	.30	3.6	1.4	1.3	1.8
July	29.492	29.682	29.251	53.5	73.9	79.0	81.6	52.4	67.0	93	43	48	50	48	83	44	36	.342	.360	.337	.57	.47	4.0	3.1	2.8	2.6
August	29.493	29.740	29.223	54.3	74.6	79.1	81.7	53.0	67.4	100	46	49	50	49	84	44	39	.354	.370	.355	1.05	.51	2.9	2.4	2.4	2.5
September	29.431	29.650	29.227	53.5	72.8	77.6	80.7	52.4	66.6	95	39	50	50	50	88	47	41	.362	.369	.363	.59	.30	3.6	2.5	3.1	3.0
October	29.565	29.797	29.160	48.4	61.6	64.1	66.7	46.1	56.4	83	34	47	48	49	94	62	58	.324	.340	.349	1.18	.47	4.8	4.1	4.6	4.6
November	29.553	30.020	28.720	42.3	47.9	48.6	52.1	39.4	45.8	60	31	40	42	42	92	80	79	.249	.268	.270	4.73	1.39	7.3	6.3	5.7	6.9
December	29.606	29.960	28.950	36.7	42.7	43.3	46.3	34.5	40.4	59	19	34	36	37	92	78	80	.201	.216	.226	3.26	.77	6.1	6.9	6.5	6.7
Year	29.522	30.020	28.720	45.5	....	63.0	65.5	43.7	54.6	100	19	42	....	42	88	....	53	.275	.....	.281	24.85	1.39	5.2	....	4.3	4.5

ROSWELL, N. MEX.

[ϕ=33° 24′ N.; λ=104° 27′ W.]

January	26.276	26.640	25.860	23.3	39.0	40.6	47.9	17.7	32.8	75	−8	13	19	16	66	48	39	0.082	0.105	0.093	0.73	0.53	2.6	4.6	2.7	4.3
February	26.377	26.800	25.780	33.0	54.3	58.2	63.0	29.3	46.2	83	9	19	19	17	57	29	22	.104	.106	.099	.02	.02	2.5	3.1	3.3	2.9
March	26.372	26.840	25.960	42.0	64.1	66.0	69.8	39.4	54.6	83	24	25	22	22	52	23	21	.137	.123	.124	T.	T.	3.9	4.4	4.1	3.8
April	26.256	26.810	25.911	45.1	63.7	68.4	71.6	42.4	57.0	87	29	26	28	27	49	31	25	.148	.159	.153	.07	.05	2.8	4.0	2.7	3.2
May	26.267	26.590	26.010	54.7	77.0	80.1	83.1	52.4	67.8	93	38	38	41	38	56	31	26	.245	.265	.253	.59	.49	3.7	4.3	4.6	3.9
June	26.345	26.600	26.063	64.6	85.5	88.8	91.4	62.5	77.0	106	47	51	50	46	63	33	26	.386	.371	.326	.29	.14	3.4	2.6	2.7	3.0
July	26.387	26.570	26.220	67.8	86.2	88.1	92.3	65.6	79.0	97	58	56	54	52	68	35	33	.456	.426	.413	1.47	.39	4.1	2.0	4.5	3.7
August	26.374	26.570	26.198	64.6	85.3	88.3	90.5	63.6	76.6	100	59	56	55	54	76	38	42	.459	.440	.435	1.40	.81	2.2	2.3	4.5	3.8
September	26.418	26.680	26.168	56.2	74.6	77.0	81.0	54.1	67.6	98	46	50	53	52	79	50	44	.364	.399	.389	1.16	.76	3.7	3.0	2.9	3.3
October	26.382	26.670	25.940	49.5	70.2	68.3	74.8	46.7	60.8	90	33	42	48	44	77	48	46	.275	.342	.312	.79	.47	3.1	3.1	2.7	3.2
November	26.376	26.680	25.980	35.5	50.4	49.9	55.9	31.9	43.9	79	9	29	32	26	78	53	42	.172	.197	.144	1.70	.65	3.8	4.4	3.1	4.0
December	26.392	26.660	26.060	25.3	37.9	37.3	44.3	22.0	33.2	65	0	21	27	24	84	66	62	.119	.149	.135	.96	.37	3.1	3.9	3.2	3.5
Year	26.352	26.840	25.780	46.8	65.7	67.2	72.1	44.0	58.0	106	−8	36	37	35	67	40	36	.246	.257	.240	9.18	.81	3.2	3.5	3.4	3.6

ROYAL CENTER, IND.

[ϕ=40° 53′ N.; λ=86° 29′ W.]

January	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
February	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
March	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
April	29.197	29.780	28.670	41.6	51.9	46.9	55.4	36.0	45.7	75	23	36	38	35	80	62	67	0.221	0.246	0.217	2.67	0.56	5.9	6.5	7.9	7.6
May	29.233	29.610	28.600	60.7	71.8	68.3	75.7	53.6	64.6	87	32	55	57	57	82	61	69	.462	.496	.492	4.59	1.45	5.0	5.0	6.0	5.1
June	29.175	29.438	28.848	64.0	75.6	71.2	79.0	55.5	67.2	96	36	57	58	59	80	57	66	.489	.513	.519	4.88	1.65	4.7	4.8	5.5	5.1
July	29.263	29.430	29.070	65.8	78.1	72.7	82.0	58.2	70.1	94	46	60	60	61	83	57	69	.539	.540	.534	3.07	1.27	4.2	4.6	5.1	4.7
August	29.228	29.465	28.972	69.4	82.7	78.4	86.4	65.1	75.8	101	49	63	65	67	82	57	69	.590	.627	.661	3.44	1.47	5.6	5.0	4.8	5.1
September	29.283	29.650	28.970	50.8	63.8	57.6	66.8	44.9	55.8	79	32	47	48	50	88	59	77	.332	.347	.368	4.06	2.78	5.7	6.1	4.7	5.9
October	29.268	29.582	28.700	49.2	61.7	55.8	64.5	44.5	54.5	79	34	45	45	48	86	59	75	.306	.315	.338	3.87	1.05	6.2	6.1	4.5	5.9
November	29.251	29.650	28.450	36.1	46.4	41.2	48.9	33.0	41.0	68	20	33	35	35	87	66	78	.194	.215	.215	2.12	1.08	6.2	6.1	5.4	5.9
December	29.239	29.720	28.680	32.9	39.4	36.9	42.4	29.8	36.1	55	14	30	32	33	90	77	86	.177	.191	.195	5.31	1.51	8.3	7.9	8.4	8.1
Year	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Annual meteorological summary for the year ending December 31, 1918—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.	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	11.5	SW.	43	W.	1	1	3	6	2	7	22	18	2	1	9	4	18	19	14	25	17	0	0	28	0	31	0	0
February	11.7	SW.	50	W.	1	3	3	0	7	9	16	17	1	0	3	9	16	18	14	16	13	0	0	13	0	26	0	0
March	10.0	SW.	39	W.	0	4	6	1	3	7	14	18	8	1	9	11	11	11	10	10	8	0	0	7	0	22	2	1
April	8.9	NE.	31	SW.	0	3	10	7	8	5	13	10	4	0	8	8	14	16	9	7	5	0	0	0	0	14	2	2
May	8.5	SW.	37	SW.	0	1	10	2	6	5	20	15	3	0	8	9	14	14	10	0	0	1	0	0	0	0	11	0
June	8.5	SW.	34	W.	0	0	11	1	10	9	7	17	5	0	14	10	6	12	6	0	0	0	1	0	0	0	6	0
July	7.4	SW.	34	SW.	0	2	1	4	1	7	17	16	11	3	10	10	11	12	9	0	0	0	1	0	6	0	7	0
August	7.0	SW.	25	W.	0	2	9	6	5	9	18	9	3	1	11	13	7	11	8	0	0	0	0	0	7	0	9	0
September	7.5	SW.	28	SW.	0	4	3	0	3	13	18	15	3	1	3	10	17	18	15	0	0	1	0	0	0	0	1	1
October	7.2	SW.	30	SW.	0	3	6	2	10	10	18	12	0	1	7	10	14	14	10	0	0	0	4	0	0	0	2	3
November	9.5	SW.	36	SW.	0	2	2	1	8	9	20	14	4	0	6	3	21	16	11	5	3	0	0	1	0	8	1	0
December	8.2	SW.	36	NW.	0	3	6	6	4	10	18	9	6	0	4	4	23	14	11	14	8	0	0	8	0	21	0	0
Year	8.8	SW.	50	W.	2	28	70	36	67	100	201	170	50	8	92	101	172	175	127	77	54	2	6	57	13	122	41	7

ROSEBURG, OREG.

[H_b=510 ft.; h_t=9 ft.; h_r=4 ft.; h_a=57 ft.]

January	2.5	S.	18	S.	0	6	3	13	6	9	6	4	14	1	1	20	10	18	14	0	0	0	8	0	0	1	0	0
February	3.0	S.	22	SW.	0	3	3	4	10	12	10	5	8	1	4	14	10	19	13	4	3	0	0	4	0	6	0	0
March	3.0	S.	24	S.	0	9	3	2	4	18	4	8	11	3	9	9	13	12	8	1	0	0	1	0	0	4	0	0
April	3.2	NW.	20	S.	0	17	2	3	4	6	3	5	14	6	15	14	1	6	4	0	0	0	0	0	0	2	0	0
May	3.8	N.	17	NW.	0	15	5	5	4	3	4	8	12	0	10	18	3	11	6	0	0	0	0	0	0	0	1	0
June	4.0	N.	19	N.	0	37	3	4	0	0	0	1	7	8	24	5	1	4	1	0	0	0	0	0	8	0	4	0
July	3.3	N.	16	W.	0	19	3	4	0	1	0	4	18	13	17	13	1	4	3	0	0	0	0	0	3	0	3	0
August	3.6	N.	18	N.	0	23	4	5	3	1	2	5	13	6	19	10	2	3	3	0	0	0	0	0	6	0	0	0
September	2.4	N.	13	NW.	0	22	1	0	1	3	0	2	16	15	19	8	3	5	4	0	0	0	2	0	6	0	1	0
October	2.2	N.	16	SW.	0	15	1	11	5	3	4	2	15	6	11	16	4	13	7	0	0	0	10	0	0	0	0	0
November	2.5	S.	22	SW.	0	4	7	6	9	8	7	7	11	1	1	16	13	13	10	0	0	0	5	0	0	1	0	0
December	2.4	S.	22	W.	0	8	5	8	10	10	7	6	8	0	1	17	13	16	13	0	0	1	3	1	0	10	0	0
Year	3.0	N.	24	S.	0	178	40	65	56	74	47	57	147	66	131	160	74	124	86	5	3	1	33	1	23	24	9	0

ROSWELL, N. MEX.

[H_b=3,566 ft.; h_t=75 ft.; h_r=69 ft.; h_a=85 ft.]

January	8.3	S.	48	NW.	1	12	5	6	5	14	7	5	7	1	15	8	8	5	5	7	4	0	0	6	0	27	0	0
February	10.2	S.	46	SW.	3	6	6	3	2	11	9	11	8	0	17	10	1	1	0	0	0	0	0	0	0	16	0	0
March	9.4	W.	42	W.	1	8	4	5	6	10	1	12	14	2	15	13	3	0	0	1	0	0	0	0	0	8	0	0
April	10.2	S.	33	W.	0	5	7	6	4	14	4	11	6	3	15	14	1	3	1	0	0	0	0	0	0	1	1	0
May	10.4	S.	38	SW.	0	0	2	4	9	14	9	13	9	2	14	15	2	4	2	0	0	0	0	0	7	0	4	0
June	7.5	S.	42	S.	1	6	8	8	14	11	3	3	4	3	18	11	1	3	2	0	0	0	0	0	18	0	5	0
July	7.6	S.	46	E.	1	4	2	5	14	12	9	6	6	4	14	15	2	8	6	0	0	0	0	0	26	0	8	0
August	6.4	S.	34	W.	0	6	5	4	10	14	6	4	11	2	12	17	2	8	6	0	0	0	0	0	16	0	11	0
September	7.5	S.	33	NW.	0	5	8	7	10	16	3	5	6	0	16	11	3	5	4	0	0	0	0	0	4	0	3	0
October	6.7	S.	35	NW.	0	7	9	5	11	16	3	0	11	0	17	10	4	6	4	0	0	0	0	0	0	0	4	0
November	8.0	S.	42	NW.	1	12	7	2	3	16	6	3	11	0	17	6	7	7	7	7	5	0	0	4	0	13	1	0
December	5.7	N.	33	W.	0	21	9	1	2	8	4	8	8	1	18	7	6	7	5	7	5	0	1	6	0	23	0	0
Year	8.2	S.	48	NW.	8	92	72	56	90	156	64	81	101	18	188	137	40	57	42	22	14	0	1	16	71	88	37	0

ROYAL CENTER, IND.

[H_b=736 ft.; h_t=11 ft.; h_r=3 ft.; h_a=55 ft.]

January																												
February																												
March																												
April		SE.				7	5	5	11	2	7	5	3	0	1	6	11	11	7	1	0	2	1	0	0	5	2	0
May	10.1	S.	28	NW.	0	4	2	5	7	10	18	5	5	0	11	12	8	13	10	0	0	1	0	0	0	1	8	0
June	9.0	N.	48	NW.	2	9	11	8	4	8	15	2	3	0	9	16	5	9	8	0	0	0	0	0	1	0	7	0
July	7.3	N.	36	N.	0	17	4	6	6	11	7	4	5	2	11	16	4	10	8	0	0	0	0	0	6	0	7	0
August	7.8	S.	39	W.	0	9	2	11	4	13	15	3	5	0	8	17	6	12	10	0	0	0	0	0	7	0	11	0
September	7.9	N.	34	W.	0	14	6	2	3	16	6	11	2	0	10	6	14	8	7	0	0	0	0	0	0	1	1	0
October	9.9	S.	36	SE.	0	7	2	10	8	14	9	6	6	0	8	12	11	8	5	0	0	0	2	0	0	0	1	2
November	11.2	W.	46	SW.	1	0	1	2	13	7	9	21	7	0	9	8	13	9	6	2	0	0	0	1	0	16	1	1
December	11.0	SE.	42	W.	1	2	3	11	14	8	9	12	3	0	4	3	24	14	10	6	2	0	2	6	0	20	1	0
Year																												

Annual meteorological summary for the year ending December 31, 1918—Continued.

SACRAMENTO, CALIF.

[ϕ=38° 35′ N.; λ=121° 30′ W.]

Month.	Pressure.			Temperature.								Moisture.													
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	30.074	30.320	29.800	41.7	51.4	54.6	55.6	39.4	47.5	67	32	35	36	35	77	60	55	0.208	0.219	0.216	0.97	0.75	3.9	4.1	4.3	5.2
February	30.006	30.370	29.635	43.5	52.9	56.0	57.7	40.9	49.3	67	33	38	41	41	81	65	60	.233	.259	.268	3.36	.70	4.8	4.7	4.6	4.8
March	29.997	30.350	29.560	47.0	56.8	61.1	62.8	44.3	53.6	80	32	43	44	45	88	66	58	.287	.299	.301	4.00	1.60	3.7	5.1	4.2	4.1
April	29.910	30.110	29.600	48.7	64.3	70.0	71.7	46.7	59.2	86	37	44	46	48	84	53	48	.291	.330	.356	1.06	.84	1.2	1.4	1.5	1.5
May	29.874	30.090	29.660	49.5	68.9	73.8	75.6	47.9	61.8	92	42	45	45	43	85	45	36	.300	.314	.292	.01	.01	0.7	1.2	1.2	1.0
June	29.747	29.910	29.560	59.6	83.4	91.9	94.1	57.8	76.0	107	49	48	54	49	67	38	25	.339	.426	.365	T.	T.	0.9	0.7	0.7	0.8
July	29.812	30.010	29.640	56.5	80.1	87.3	89.1	55.4	72.2	103	50	48	52	47	74	39	28	.334	.388	.335	.00	.00	0.6	0.2	0.5	0.5
August	29.819	29.990	29.650	59.8	80.9	88.4	90.2	57.8	74.0	104	52	50	51	48	72	39	27	.370	.380	.347	T.	T.	0.8	0.9	0.6	0.8
September	29.847	30.020	29.650	57.5	71.1	76.4	78.3	56.5	67.4	90	50	53	58	57	86	65	53	.407	.486	.468	3.58	3.14	3.4	3.4	3.0	3.4
October	29.929	30.110	29.740	54.5	70.3	74.7	76.5	51.8	64.2	88	44	48	51	48	81	53	44	.351	.384	.362	.40	.31	1.6	2.3	1.8	2.3
November	29.999	30.440	29.660	44.5	54.8	57.7	59.6	41.7	50.6	79	34	41	46	45	89	73	64	.265	.315	.301	1.84	.85	1.7	2.9	2.8	3.7
December	30.053	30.400	29.640	37.9	45.8	50.0	51.5	35.2	43.4	62	29	36	40	41	92	81	74	.210	.250	.263	1.70	.78	2.0	3.2	2.8	3.8
Year	29.920	30.440	29.560	50.1	65.1	70.2	71.9	48.0	59.9	107	29	44	47	46	81	56	48	.300	.338	.323	16.92	3.14	2.1	2.5	2.3	2.7

SAGINAW, MICH.

[ϕ=43° 26′ N.; λ=83° 57′ W.]

January	29.165	29.800	28.100	7.8	14.0	11.5	17.5	3.2	10.4	30	−15	7	9	9	95	80	89	0.057	0.065	0.063	2.18	0.70	8.7	6.7	7.1	7.8
February	29.284	30.090	28.220	16.9	23.8	22.0	29.9	10.6	20.2	49	−23	14	17	17	88	73	82	.097	.108	.112	2.98	1.01	6.8	6.6	5.7	6.8
March	29.336	29.850	28.749	30.1	40.0	38.3	44.6	26.7	35.6	71	12	24	30	30	78	66	71	.131	.175	.173	3.07	1.45	4.6	4.6	4.3	5.0
April	29.338	29.960	28.750	38.4	47.6	43.1	52.0	32.5	42.2	73	21	31	31	31	74	56	64	.180	.185	.182	1.69	.53	6.4	7.6	6.3	7.1
May	29.297	29.700	28.520	55.0	66.4	64.3	71.4	48.4	59.9	89	31	47	50	50	75	58	63	.345	.385	.386	3.28	1.55	7.0	6.4	6.1	6.8
June	29.257	29.560	28.720	59.8	71.3	67.7	75.8	52.8	64.3	92	38	49	50	49	69	50	54	.361	.381	.371	1.38	.91	6.1	5.8	4.9	5.2
July	29.336	29.530	29.010	64.9	76.4	73.6	81.2	57.7	69.4	95	44	56	56	55	73	52	55	.464	.472	.458	1.22	.91	4.6	4.8	3.5	4.2
August	29.323	29.710	29.010	66.7	79.7	74.9	83.9	60.7	72.3	103	48	59	58	59	77	50	58	.507	.507	.512	1.85	1.00	5.3	6.0	3.9	4.9
September	29.351	29.840	28.910	49.8	61.7	56.0	65.1	44.7	54.9	79	33	44	45	46	81	55	71	.301	.305	.321	2.06	.18	6.1	6.5	5.8	6.1
October	29.354	29.760	28.820	46.8	58.5	53.3	62.9	43.1	53.0	79	32	42	42	42	85	57	69	.274	.276	.281	2.75	1.16	6.3	6.2	5.3	5.7
November	29.291	29.760	28.430	37.3	44.7	40.6	47.5	34.7	41.1	61	19	33	33	34	84	64	76	.193	.198	.201	3.05	.93	7.0	6.8	6.4	6.5
December	29.336	29.910	28.770	29.5	34.4	32.5	37.5	26.5	32.0	54	6	28	29	28	91	79	85	.154	.161	.160	2.59	.75	8.4	7.5	7.0	7.8
Year	29.306	30.090	28.100	41.9	51.5	48.2	55.8	36.8	46.3	103	−23	36	38	38	81	62	70	.255	.268	.268	28.10	1.55	6.4	6.3	5.5	6.2

ST. JOSEPH, MO.

[ϕ=39° 49′ N.; λ=94° 51′ W.]

January	28.958	29.570	28.540	11.1	18.5	18.4	24.3	6.8	15.6	52	−19	9	11	11	88	71	73	0.068	0.076	0.076	0.67	0.45	5.2	5.7	3.8	5.5
February	29.001	29.840	28.160	25.3	35.5	35.3	44.0	19.7	31.8	71	−13	18	22	21	74	56	59	.113	.131	.128	1.07	1.04	3.7	4.1	4.2	4.2
March	28.964	29.560	28.210	40.4	56.1	54.8	62.9	36.5	49.7	84	17	29	29	29	66	39	42	.166	.167	.170	.34	.33	3.5	3.5	4.0	4.0
April	28.945	29.570	28.470	40.8	53.7	53.9	58.9	39.1	49.0	79	30	32	31	31	71	45	45	.185	.180	.183	2.57	1.19	4.6	5.1	6.1	5.4
May	28.886	29.320	28.290	62.4	75.6	73.7	80.3	58.5	69.4	92	40	52	53	53	70	48	51	.418	.439	.432	6.71	2.06	4.6	4.2	3.9	4.7
June	28.897	29.230	28.540	70.4	85.7	84.5	90.6	67.9	79.2	104	56	60	59	60	71	43	46	.529	.516	.539	1.30	1.05	4.0	2.5	2.3	2.8
July	28.981	29.190	28.783	70.6	84.9	84.1	89.8	67.3	78.6	101	56	60	59	59	71	43	46	.531	.513	.517	1.61	.86	3.8	3.2	3.3	3.5
August	28.918	29.120	28.730	73.1	88.5	87.6	94.2	71.1	82.6	109	54	62	62	61	71	45	45	.561	.572	.546	3.28	1.07	2.7	3.0	2.5	2.5
September	29.044	29.370	28.706	53.4	69.6	66.3	74.0	51.6	62.8	88	34	47	46	47	78	44	51	.331	.321	.337	4.53	3.55	3.4	2.9	3.1	3.3
October	28.977	29.290	28.370	52.3	65.8	62.6	69.6	50.6	60.1	88	34	46	46	45	80	53	56	.318	.325	.318	3.10	1.79	4.7	3.8	5.4	4.3
November	29.006	29.490	28.360	38.7	48.3	45.1	51.3	36.1	43.7	74	21	34	34	36	83	59	71	.208	.216	.230	2.82	1.68	4.5	4.6	4.0	4.5
December	28.971	29.310	28.526	33.1	39.6	38.5	44.7	29.6	37.2	63	3	28	30	31	82	71	75	.159	.179	.183	1.97	.65	4.7	6.1	4.9	5.4
Year	28.962	29.840	28.160	47.6	60.2	58.7	65.4	44.6	55.0	109	−19	40	40	40	75	51	55	.299	.303	.305	29.97	3.55	4.1	4.1	4.0	4.2

ST. LOUIS, MO.

[ϕ=38° 38′ N.; λ=90° 12′ W.]

January	29.360	29.900	28.800	14.8	20.0	20.6	25.8	11.9	18.8	45	−17	11	13	14	85	72	74	0.075	0.081	0.085	1.31	0.50	4.9	6.6	4.8	6.8
February	29.460	30.270	28.670	31.6	39.4	38.2	45.1	26.1	35.6	70	2	25	28	27	77	63	64	.154	.174	.158	2.09	1.10	5.8	5.1	3.5	5.2
March	29.418	29.980	28.760	44.8	57.2	56.1	63.8	41.5	52.6	84	22	33	34	34	65	46	47	.199	.217	.211	.67	.37	4.9	4.4	4.0	4.4
April	29.360	29.960	28.920	46.2	52.7	54.3	58.5	43.7	51.1	81	30	38	40	40	75	66	60	.245	.259	.257	7.09	1.82	6.8	6.7	7.1	6.6
May	29.388	29.820	28.819	65.2	75.8	74.1	79.8	61.9	70.8	90	43	57	62	61	76	64	67	.489	.578	.564	3.28	1.65	5.3	5.3	4.7	4.8
June	29.336	29.660	29.010	71.6	80.7	81.2	85.6	68.6	77.1	100	58	62	64	63	73	58	56	.572	.602	.586	1.47	.50	5.6	5.3	4.3	4.8
July	29.420	29.660	29.240	72.5	84.0	82.7	87.8	69.1	78.4	100	59	61	62	62	68	49	52	.542	.567	.577	.60	.52	3.2	3.5	3.9	4.1
August	29.385	29.570	29.187	76.0	87.7	85.0	91.4	73.7	82.6	105	62	65	64	64	70	48	55	.624	.594	.618	5.26	3.28	4.4	3.6	4.8	4.2
September	29.468	29.830	29.130	57.3	67.7	66.1	71.6	55.5	63.6	82	42	49	47	50	76	51	58	.365	.338	.379	5.09	1.97	3.0	4.4	4.0	2.8
October	29.426	29.760	28.860	55.8	66.9	64.4	70.4	54.2	62.3	88	41	49	48	49	76	54	60	.354	.347	.360	3.63	1.66	4.6	4.6	4.5	4.5
November	29.465	29.850	28.630	42.0	49.8	47.5	52.7	39.8	46.2	75	27	34	35	36	74	58	66	.209	.213	.223	2.73	.90	5.0	4.4	5.4	5.3
December	29.428	29.810	28.920	38.8	46.0	44.8	50.1	36.0	43.0	74	14	33	35	35	80	66	70	.201	.215	.217	2.99	1.04	5.2	6.0	5.5	5.5
Year	29.409	30.270	28.630	51.4	60.7	59.6	65.2	48.5	56.8	105	−17	43	44	45	75	58	61	.336	.349	.354	35.91	3.28	4.9	5.0	4.7	5.0

Annual meteorological summary for the year ending December 31, 1918—Continued.

SACRAMENTO, CALIF.

[H_b=69 ft.; h_t=106 ft.; h_r=100 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.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	Precipitation. 0.04 inch and over.	Snow. T. or more.	Snow. 0.01 inch or more melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	Maximum temp. 90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	6.7	NW.	37	NW.	0	9	6	6	15	3	1	0	20	2	13	7	11	2	2	0	0	0	3	0	0	1	0	0
February	8.7	SE.	39	NW.	0	8	4	2	17	6	3	3	13	0	13	5	10	14	10	0	0	0	2	6	0	0	1	0
March	7.4	S.	32	SE.	0	9	4	6	18	11	6	0	8	0	15	8	8	13	10	0	0	0	1	0	0	1	0	0
April	8.7	S.	33	NW.	0	4	0	1	13	15	8	3	15	1	26	3	1	3	2	0	0	0	0	0	0	0	0	0
May	9.2	S.	28	SW.	0	2	1	2	16	31	4	1	5	0	28	3	0	1	0	0	0	0	0	0	1	0	0	1
June	8.3	S.	25	S.	0	1	0	1	16	30	5	2	5	0	28	2	0	0	0	0	0	0	0	0	22	0	0	0
July	9.4	S.	28	SW.	0	0	0	0	21	35	3	0	2	1	29	2	0	0	0	0	0	0	0	0	13	0	0	0
August	8.1	S.	26	S.	0	2	1	0	21	27	4	1	6	0	27	3	1	0	0	0	0	0	0	0	18	0	0	0
September	7.3	S.	22	S.	0	4	1	0	18	26	3	4	4	0	19	6	5	6	5	0	0	0	0	0	1	0	1	0
October	6.8	SE.	33	N.	0	4	4	3	16	14	1	2	16	2	21	8	2	2	2	0	0	0	3	0	0	0	1	0
November	7.2	SE.	37	NW.	0	13	5	4	11	9	1	1	15	1	18	5	7	9	7	0	0	0	4	0	0	0	1	0
December	6.8	SE.	34	SE.	0	12	2	9	16	2	1	0	14	6	18	7	6	4	4	0	0	1	4	0	0	9	1	0
Year	7.9	S.	39	NW.	0	68	28	34	198	209	40	17	123	13	255	59	51	54	42	0	0	1	17	0	55	11	6	0

SAGINAW, MICH.

[H_b=641 ft.; h_t=48 ft.; h_r=43 ft.; h_a=82 ft.]

January	11.2	W.	43	S.	1	6	9	4	4	9	13	12	5	0	3	9	19	14	8	26	14	0	0	31	0	31	0	0
February	11.7	SW.	54	NW.	2	1	5	1	5	12	17	7	8	0	4	11	13	12	11	14	7	1	2	15	0	26	2	0
March	10.9	SW.	40	NE.	1	5	11	4	1	11	14	7	9	0	11	10	10	5	5	6	3	0	1	3	0	23	2	1
April	11.3	NE.	40	S.	1	9	13	10	6	2	9	6	5	0	6	5	19	14	11	4	2	0	2	1	0	17	0	0
May	10.1	S.	40	W.	1	2	10	5	10	13	8	6	8	0	5	9	17	14	9	0	0	0	0	0	0	1	5	0
June	9.1	NW.	33	NW.	0	6	9	5	7	8	7	7	10	1	10	8	12	7	5	0	0	0	1	0	1	0	5	0
July	7.1	S.	40	NW.	1	7	4	9	2	13	6	7	14	0	13	14	4	7	4	0	0	0	0	0	0	0	5	0
August	7.6	S.	28	NW.	0	3	11	7	6	12	11	5	7	0	7	19	5	7	6	0	0	0	0	0	6	0	9	0
September	8.3	NW.	27	S.	0	6	4	2	6	9	11	12	9	1	4	14	12	15	9	0	0	1	1	0	0	0	2	0
October	9.7	S.	33	SW.	0	3	8	5	9	10	12	6	9	0	8	11	12	10	7	0	0	0	1	0	0	1	0	0
November	10.9	SW.	40	SW.	1	0	1	3	6	16	10	13	11	0	8	7	15	9	7	4	1	0	0	0	0	12	1	1
December	9.1	SW.	31	NE.	0	4	6	12	8	7	10	8	7	0	2	9	20	14	8	11	5	0	5	9	0	26	0	1
Year	9.8	SW.	54	NW.	8	52	91	67	70	122	128	96	102	2	81	126	158	128	90	65	32	2	13	59	14	137	31	3

ST. JOSEPH, MO.

[H_b=967 ft.; h_t=11 ft.; h_r=3 ft.; h_a=49 ft.]

January	9.8	NW.	36	NW.	0	10	5	3	6	5	6	7	20	0	9	9	13	7	2	16	6	0	0	23	0	31	0	0
February	10.8	NW.	46	NW.	2	7	5	4	7	12	6	3	12	0	13	7	8	4	2	6	1	0	0	8	0	20	1	0
March	9.9	SW.	56	NW.	1	5	7	10	8	15	8	1	8	0	13	12	6	2	1	1	1	0	2	1	0	10	0	1
April	10.5	E.	38	NW.	0	2	13	19	5	3	1	11	6	0	11	8	11	9	7	2	1	0	0	0	0	5	1	0
May	10.2	S.	51	NW.	1	3	2	8	13	19	11	1	5	0	10	15	6	13	11	0	0	1	0	0	1	0	11	0
June	7.5	SW.	29	NW.	0	8	7	9	10	13	10	0	3	0	17	11	2	7	4	0	0	0	1	0	14	0	7	0
July	6.3	S.	24	N.	0	7	6	14	8	17	5	4	1	0	17	8	6	8	7	0	0	0	0	0	14	0	5	0
August	7.1	S.	60	NW.	2	2	6	11	10	19	9	1	4	0	23	3	5	11	8	0	0	0	0	0	22	0	7	0
September	6.6	S.	21	NW.	0	13	7	6	9	14	2	3	4	2	17	7	6	10	9	0	0	0	1	0	0	0	4	0
October	7.5	E.	26	W.	0	8	5	18	8	8	3	3	9	0	15	8	8	11	5	0	0	0	2	0	0	0	1	0
November	9.5	S.	34	NW.	0	11	1	2	13	10	4	11	8	0	14	6	10	6	6	5	2	0	2	2	0	12	1	0
December	8.5	NW.	29	NW.	0	4	3	8	8	12	9	5	13	0	10	10	11	7	5	5	3	0	1	7	0	15	0	0
Year	8.7	S.	60	NW.	6	80	67	112	105	147	74	50	93	2	169	104	92	95	67	35	14	2	8	41	51	93	38	1

ST. LOUIS, MO.

[H_b=568 ft.; h_t=265 ft.; h_r=258 ft.; h_a=303 ft.]

January	13.9	NW.	46	W.	2	8	5	3	4	4	9	13	16	0	6	13	12	11	9	18	11	0	0	23	0	30	0	0
February	16.7	S.	65	SW.	5	3	4	1	5	16	11	3	13	0	12	7	9	7	5	5	1	0	2	6	0	17	1	0
March	14.7	SW.	74	SW.	4	6	11	2	7	15	10	4	7	0	15	11	5	4	4	0	0	0	0	0	0	6	3	1
April	14.1	NE.	45	W.	3	2	15	9	7	4	8	8	7	0	7	12	11	15	12	1	1	2	1	0	0	2	4	0
May	15.3	S.	51	SW.	6	1	1	6	14	23	12	3	2	0	10	15	6	9	8	0	0	0	2	0	0	1	9	0
June	11.2	S.	43	SW.	1	1	11	3	12	11	9	6	7	0	11	11	8	8	5	0	0	0	0	0	6	0	4	0
July	9.7	S.	29	S.	0	4	14	4	4	13	11	2	10	0	14	12	5	3	3	0	0	0	0	0	0	11	2	0
August	11.9	S.	50	S.	2	0	3	7	13	20	12	1	6	0	13	14	4	12	10	0	0	0	0	0	18	0	6	0
September	10.3	S.	40	SW.	1	10	7	2	5	14	7	2	13	0	15	10	5	9	7	0	0	0	2	0	0	6	3	0
October	11.8	S.	66	SW.	1	6	9	8	9	11	10	0	9	0	15	4	12	6	5	0	0	0	0	0	0	0	1	0
November	13.5	NW.	52	SW.	1	6	4	2	5	14	5	10	14	0	11	6	13	9	7	2	0	1	0	0	0	6	1	0
December	13.6	S.	40	NW.	1	2	2	4	9	14	11	8	12	0	9	10	12	11	9	4	1	0	2	2	0	7	0	0
Year	13.1	S.	74	SW.	27	49	86	51	94	159	115	60	116	0	138	125	102	104	84	30	14	3	9	31	36	68	34	1

Annual meteorological summary for the year ending December 31, 1918—Continued.

ST. PAUL, MINN.

[ϕ=44° 58′ N.; λ=93° 03′ W.]

Month.	Pressure.			Temperature.								Moisture.													
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	29.053	29.730	28.460	0.8	5.4	....	11.4	−4.0	3.7	35	−25	− 3	− 2	....	83	68	....	0.038	0.040	.....	0.51	0.11	5.8	5.7	....	5.5
February	29.081	29.940	28.442	11.9	20.0	....	27.6	7.2	17.4	49	−25	8	9	....	84	60	....	.076	.074	.....	.69	.45	4.6	4.7	....	4.8
March	29.107	29.760	28.460	31.9	42.3	....	47.6	29.0	38.3	67	0	24	23	....	71	47	....	.130	.125	.....	.88	.67	5.5	5.6	....	4.8
April	29.097	29.780	28.350	35.8	47.4	....	54.0	33.1	43.6	68	22	25	20	....	63	37	....	.138	.114	.....	.94	.40	5.0	4.8	....	4.4
May	28.983	29.496	28.390	53.4	64.6	....	69.9	49.6	59.8	86	33	46	48	....	77	58	....	.323	.356	.....	4.52	1.33	5.6	5.6	....	5.4
June	29.017	29.380	28.390	61.3	70.9	....	75.2	57.4	66.3	96	46	55	58	....	80	64	....	.438	.481	.....	2.81	1.99	5.0	5.6	....	4.9
July	29.114	29.377	28.860	64.5	74.3	....	78.9	60.9	69.9	91	50	58	61	....	81	65	....	.501	.554	.....	5.05	1.60	5.4	5.4	....	4.7
August	29.058	29.374	28.750	64.2	75.3	....	79.1	61.6	70.4	89	50	58	61	....	82	63	....	.499	.554	.....	5.19	2.33	5.7	4.8	....	4.8
September	29.170	29.587	28.940	46.9	60.1	....	64.3	45.0	54.6	79	34	40	40	....	78	49	....	.256	.258	.....	1.49	.96	4.0	4.6	....	4.6
October	29.090	29.470	28.270	44.4	53.7	....	57.9	42.5	50.2	79	27	39	38	....	81	60	....	.244	.242	.....	2.61	1.59	6.5	5.6	....	6.5
November	29.057	29.670	28.450	33.0	39.6	....	44.2	30.4	37.3	62	15	28	30	....	81	69	....	.166	.182	.....	3.45	1.92	6.3	5.8	....	6.4
December	29.081	29.540	28.620	26.7	30.3	....	34.1	23.3	28.7	50	6	23	24	....	86	78	....	.130	.135	.....	2.05	.49	7.8	8.0	....	8.3
Year	29.076	29.940	28.270	39.6	48.7	....	53.7	36.3	45.0	91	−25	33	34	....	79	60	....	.245	.260	.....	30.19	2.33	5.6	5.5	....	5.4

SALT LAKE CITY, UTAH.

[ϕ=40° 46′ N.; λ=111° 54′ W.]

January	25.614	26.020	25.190	28.5	33.6	32.3	36.5	24.4	30.4	53	10	22	24	26	76	68	75	0.121	0.131	0.139	3.89	1.13	6.5	8.1	7.3	7.3
February	25.635	26.170	24.970	27.7	35.1	34.9	40.0	23.4	31.7	52	4	20	22	23	72	58	61	.110	.115	.122	1.41	.45	5.4	7.6	6.7	6.5
March	25.619	26.100	25.148	40.4	49.2	51.1	54.2	36.5	45.4	70	23	27	28	28	62	47	46	.151	.151	.154	1.81	.93	4.7	5.7	6.0	5.5
April	25.548	25.900	25.100	41.4	51.4	53.5	56.6	38.6	47.6	74	24	27	29	26	59	44	38	.150	.159	.140	.59	.29	4.8	5.4	5.4	5.0
May	25.492	25.741	25.235	48.6	61.9	63.3	66.2	46.6	56.4	83	38	34	33	32	60	39	36	.198	.193	.184	1.32	.50	4.2	6.3	6.8	5.7
June	25.609	25.780	25.378	65.1	82.6	84.2	87.5	63.3	75.4	101	44	47	50	49	54	36	32	.341	.382	.368	.20	.13	3.8	4.0	5.3	4.4
July	25.620	25.770	25.369	66.0	82.2	83.7	87.4	63.8	75.6	101	56	50	55	52	58	42	37	.364	.450	.402	.76	.34	4.3	4.5	6.1	4.8
August	25.617	25.860	25.320	63.0	79.9	81.8	84.0	60.9	72.4	96	50	42	41	42	48	26	26	.278	.263	.282	.61	.37	2.6	3.5	3.3	2.8
September	25.650	25.880	25.340	58.0	73.9	73.3	77.7	55.6	66.6	89	48	40	41	41	54	33	34	.257	.262	.265	2.10	.83	3.2	4.5	5.4	4.1
October	25.670	25.900	25.300	49.3	60.3	58.9	64.1	45.8	55.0	79	31	40	41	42	72	50	56	.257	.270	.286	1.13	.49	5.3	5.5	5.0	5.1
November	25.634	26.020	25.200	34.8	43.1	40.8	46.6	30.9	38.8	70	15	25	28	27	68	59	60	.136	.150	.150	1.77	.39	3.0	6.1	4.5	5.2
December	25.677	26.020	25.200	28.2	35.3	33.8	37.4	25.0	31.2	55	9	19	22	23	66	57	63	.103	.122	.125	.52	.26	3.3	6.3	6.1	5.8
Year	25.615	26.170	25.100	45.9	57.4	57.6	61.5	42.9	52.2	101	4	33	34	34	62	47	47	.206	.221	.218	16.11	1.13	4.3	5.6	5.7	5.2

SAN ANTONIO, TEX.

[ϕ=29° 27′ N.; λ=98° 28′ W.]

January	29.261	29.640	28.700	37.9	52.5	52.4	59.8	34.2	47.0	84	12	29	29	26	70	42	38	0.180	0.170	0.149	0.10	0.10	2.1	2.7	2.7	3.1
February	29.347	29.840	28.760	49.3	58.1	60.5	66.9	46.2	56.6	90	23	44	44	43	84	64	57	.321	.319	.312	1.10	.32	6.8	5.9	4.6	5.7
March	29.283	29.720	28.950	56.8	70.7	72.7	77.5	55.7	66.6	93	41	48	48	44	77	49	40	.371	.366	.313	1.48	.71	5.6	4.6	4.6	4.2
April	29.160	29.610	28.820	60.5	73.0	74.0	78.7	59.1	68.9	96	47	55	53	52	82	53	50	.455	.438	.421	5.14	2.33	6.3	5.2	5.0	5.0
May	29.236	29.565	28.843	68.5	80.2	80.0	85.1	66.7	75.9	94	55	65	62	62	88	55	57	.630	.562	.577	2.80	2.19	7.4	5.8	3.5	5.1
June	29.195	29.440	28.970	75.2	88.3	88.7	94.2	73.1	83.6	103	67	71	68	67	86	52	50	.753	.682	.663	3.35	1.61	4.7	4.0	2.7	3.0
July	29.249	29.420	29.063	75.0	90.6	91.5	96.6	73.9	85.2	104	68	70	63	62	84	42	39	.733	.588	.553	1.68	1.45	3.5	2.5	1.8	2.5
August	29.249	29.410	29.083	75.0	90.0	90.1	96.1	74.1	85.1	99	69	71	64	63	88	42	42	.760	.593	.573	2.61	2.58	2.6	2.4	2.3	2.4
September	29.231	29.630	28.980	66.2	82.5	82.3	87.9	64.9	76.4	99	53	59	55	54	79	42	41	.531	.461	.442	1.49	1.23	3.3	2.3	2.6	2.4
October	29.256	29.580	28.940	63.4	76.8	74.1	81.5	61.7	71.6	93	42	59	58	56	87	53	56	.531	.499	.461	4.05	1.78	4.9	4.2	3.8	4.5
November	29.348	29.660	28.930	51.7	61.9	60.1	64.8	50.0	57.4	81	30	46	46	47	83	60	64	.346	.347	.351	2.53	.98	5.8	6.1	5.9	6.1
December	29.360	29.690	28.950	48.3	59.8	58.4	63.6	45.8	54.7	78	30	43	42	44	83	56	61	.311	.302	.314	3.61	1.76	5.2	5.1	4.9	5.2
Year	29.269	29.840	28.700	60.6	73.7	73.7	79.4	58.8	69.1	104	12	55	53	52	83	51	50	.494	.444	.428	29.91	2.58	4.8	4.2	3.7	4.1

SAN DIEGO, CALIF.

[ϕ=32° 43′ N.; λ=117° 10′ W.]

January	29.934	30.170	29.620	49.8	59.9	57.5	61.9	47.0	54.4	69	39	39	43	47	72	58	69	0.260	0.297	0.328	1.64	0.88	4.8	2.8	3.5	3.2
February	29.983	30.170	29.610	50.4	59.7	58.3	62.1	48.1	55.1	74	40	43	46	46	78	62	67	.286	.316	.321	1.52	.68	5.3	3.8	4.1	4.2
March	29.940	30.170	29.698	53.7	63.1	61.1	65.3	51.7	58.5	80	44	47	48	50	80	63	68	.328	.349	.360	4.57	1.89	5.4	5.2	5.1	5.2
April	29.859	29.990	29.640	55.5	64.1	62.9	67.0	53.8	60.4	84	47	46	49	50	75	61	65	.326	.355	.370	T.	T.	5.7	3.9	4.3	4.6
May	29.892	30.000	29.710	57.4	63.3	62.3	65.3	56.3	60.8	73	49	50	50	51	75	62	66	.357	.362	.376	T.	T.	3.6	3.0	4.1	4.7
June	29.777	29.910	29.634	63.0	68.9	67.8	71.7	62.0	66.8	82	56	60	60	59	90	74	74	.518	.519	.504	.06	.04	9.1	3.9	4.1	4.9
July	29.825	29.900	29.712	64.3	70.6	69.4	72.8	63.2	68.0	79	61	60	61	61	88	72	75	.528	.540	.537	T.	T.	9.2	1.7	1.4	3.2
August	29.828	29.940	29.650	65.9	72.8	71.9	74.7	65.0	69.8	82	59	62	64	63	88	73	73	.565	.587	.571	.11	.07	7.3	2.5	2.7	3.6
September	29.810	29.930	29.651	66.4	73.5	72.3	76.5	64.6	70.6	94	57	61	62	62	83	68	72	.533	.557	.566	.08	.06	8.1	3.6	3.7	4.5
October	29.842	30.020	29.644	62.8	72.8	70.9	75.2	61.0	68.1	90	54	56	57	58	80	61	68	.466	.484	.501	.42	.23	4.5	3.7	3.9	4.1
November	29.912	30.280	29.620	54.7	65.9	62.5	67.5	52.0	59.8	82	42	43	45	51	67	50	68	.291	.312	.382	1.91	.76	4.3	2.6	2.9	3.0
December	29.928	30.160	29.566	49.4	61.7	59.2	63.9	45.7	54.8	78	35	37	42	44	66	50	60	.231	.271	.301	1.68	.82	1.9	2.4	2.5	2.6
Year	29.878	30.280	29.566	57.8	66.4	64.7	68.7	55.9	62.3	94	35	50	52	54	78	63	69	.391	.412	.426	11.99	1.89	6.2	3.8	3.5	4.0

Annual meteorological summary for the year ending December 31, 1918—Continued.

ST. PAUL, MINN.

[H_b=837 ft.; h_t=236 ft.; h_r=228 ft.; h_a=261 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.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. 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	NW.	40	NW.	1	4	3	1	4	1	0	7	11	0	9	11	11	13	7	18	13	0	0	30	0	31	0	0
February	13.0	NW.	48	N.	2	6	2	0	3	4	2	6	5	0	10	12	6	5	5	6	4	0	0	15	0	27	0	0
March	12.1	SW.	38	NE.	0	6	3	3	5	3	5	3	3	0	13	9	9	5	4	5	3	0	0	3	0	20	1	1
April	13.4	SE.	42	SE.	4	4	3	0	14	3	1	0	5	0	13	9	8	9	4	3	1	0	0	0	0	14	0	0
May	13.3	SW.	64	N.	6	5	4	2	4	7	4	2	3	0	10	13	8	14	12	0	0	1	0	0	0	0	9	1
June	11.4	SE.	42	NW.	1	5	2	2	8	3	4	3	3	0	10	16	4	8	7	0	0	0	1	0	0	0	4	0
July	10.0	SE.	40	SW.	2	2	1	4	11	1	4	1	7	0	10	17	4	12	12	0	0	0	0	0	1	0	9	0
August	10.3	SE.	46	SW.	1	2	0	3	11	1	6	2	6	0	10	15	6	13	10	0	0	1	0	0	0	0	9	1
September	10.0	NW.	38	S.	0	1	2	2	7	0	4	3	11	0	9	17	4	8	6	0	0	0	0	0	0	0	2	0
October	12.5	SE.	39	NW.	0	1	2	1	10	0	6	4	7	0	10	5	16	12	7	2	2	0	2	0	0	1	2	2
November	13.6	NW.	42	SE.	1	0	1	1	9	1	7	4	7	0	9	6	15	11	8	5	2	0	0	4	0	17	2	0
December	11.4	NW.	45	NW.	1	3	1	3	10	1	4	1	8	0	2	6	23	16	12	15	10	0	3	11	0	27	0	2
Year	12.0	SE.	64	N.	19	39	24	22	96	25	47	36	76	0	115	136	114	126	94	54	35	2	6	63	1	137	38	7

SALT LAKE CITY, UTAH.

[H_b=4,360 ft.; h_t=163 ft.; h_r=156 ft.; h_a=203 ft.]

January	5.5	SE.	26	NW.	0	1	9	5	14	7	10	2	14	0	5	11	15	17	12	20	15	0	0	10	0	25	0	0
February	7.0	NW.	39	NW.	0	3	3	2	12	8	8	9	11	0	6	10	12	10	6	11	9	0	1	3	0	24	0	0
March	8.8	NW.	38	SW.	0	6	4	1	11	15	6	0	16	3	12	7	12	6	6	6	5	1	0	0	0	8	0	0
April	8.5	NW.	40	N.	1	4	5	3	8	7	6	5	22	0	9	12	9	5	3	9	1	1	0	0	0	4	1	0
May	8.7	NW.	36	E.	0	7	4	5	14	5	6	1	19	1	7	14	10	9	8	0	0	1	0	0	0	0	4	0
June	6.9	NW.	46	W.	1	3	14	3	8	12	3	1	16	0	12	13	5	4	2	0	0	0	0	0	0	9	3	0
July	7.9	SE.	44	N.	3	4	4	5	7	14	11	1	16	0	11	13	7	4	4	0	0	0	0	0	0	0	9	0
August	8.0	SE.	32	SW.	0	7	6	3	17	7	5	0	17	0	19	9	3	3	3	0	0	1	0	0	0	5	9	0
September	7.2	SE.	50	N.	1	4	8	2	12	9	8	1	16	0	16	7	7	9	7	0	0	0	0	0	0	0	5	0
October	6.8	SE.	42	S.	1	4	7	0	11	18	3	0	19	0	10	13	8	9	4	1	0	0	0	0	0	2	5	0
November	6.2	NW.	45	NW.	1	1	10	4	13	7	4	1	19	1	9	12	9	9	9	11	8	0	0	4	0	17	1	0
December	6.4	NW.	41	SE.	1	1	7	7	12	6	4	6	19	0	9	10	12	5	4	6	3	0	2	6	0	26	0	0
Year	7.3	NW.	50	N.	9	45	81	40	139	115	74	27	204	5	125	131	109	90	68	64	41	4	3	23	24	106	37	0

SAN ANTONIO, TEX.

[H_b=693 ft.; h_t=119 ft.; h_r=112 ft.; h_a=132 ft.]

January	9.4	N.	52	N.	4	14	13	4	3	8	3	8	9	0	20	7	4	1	1	1	1	0	1	2	0	10	1	0
February	8.9	NE.	31	NE.	0	10	12	5	7	15	2	3	2	0	7	11	10	10	7	0	0	0	3	0	0	3	1	0
March	8.6	NE.	38	NW.	0	9	15	5	5	15	5	1	5	2	15	12	4	6	3	0	0	0	3	0	2	0	2	0
April	9.6	SE.	35	N.	0	13	11	8	15	11	1	0	1	0	16	4	10	6	4	0	0	2	0	0	4	0	6	0
May	10.6	SE.	32	NW.	0	4	5	8	33	12	0	0	0	0	12	11	8	8	6	0	0	0	1	0	7	0	3	0
June	7.7	S.	54	E.	2	3	3	6	24	17	3	2	2	0	20	8	2	6	5	0	0	0	0	0	25	0	3	0
July	7.7	S.	30	SE.	0	3	5	5	18	23	5	2	1	0	20	9	2	3	3	0	0	0	0	0	31	0	6	0
August	7.8	S.	35	N.	0	5	2	6	10	36	1	0	2	0	23	8	0	3	1	0	0	0	0	0	31	0	2	0
September	7.9	S.	30	N.	0	19	6	5	11	13	2	2	2	0	20	9	1	6	3	0	0	0	0	0	14	0	2	0
October	6.4	N.	39	NW.	0	19	7	6	14	5	0	3	8	0	13	12	6	8	6	0	0	0	0	0	3	0	4	0
November	8.6	N.	25	NW.	0	19	11	4	14	4	1	3	4	0	7	9	14	10	7	1	0	0	1	0	0	1	2	0
December	8.1	NW.	37	NW.	0	7	12	7	7	9	5	2	13	0	13	4	14	6	6	0	0	0	3	0	0	2	3	0
Year	8.4	S.	54	E.	6	125	102	69	161	168	28	26	49	2	186	104	75	73	52	2	1	2	12	2	117	16	35	0

SAN DIEGO, CALIF.

[H_b=87 ft.; h_t=62 ft.; h_r=55 ft.; h_a=70 ft.]

January	5.4	E.	38	S.	0	7	8	12	2	5	5	8	15	0	18	8	5	5	4	0	0	0	3	0	0	0	0	0
February	6.8	W.	42	S.	1	3	4	6	7	7	4	10	15	0	13	10	5	10	6	0	0	1	0	0	0	0	0	0
March	6.0	NW.	38	S.	0	6	6	8	5	4	4	9	19	1	11	7	13	7	7	0	0	0	0	0	0	0	0	0
April	6.4	W.	27	W.	0	0	6	9	2	7	10	15	11	0	11	12	7	0	0	0	0	0	1	0	0	0	0	0
May	7.2	SW.	22	NW.	0	1	3	9	3	3	14	21	8	0	12	14	5	0	0	0	0	0	0	0	0	0	0	0
June	6.5	W.	30	S.	0	10	2	2	0	11	10	10	15	0	12	11	7	3	0	0	0	0	0	0	0	0	3	0
July	6.5	NW.	20	NW.	0	14	2	2	1	6	7	17	13	0	21	10	0	0	0	0	0	0	0	0	0	0	1	0
August	6.6	NW.	20	S.	0	7	3	3	1	5	7	13	23	0	19	8	4	3	1	0	0	0	0	0	0	0	1	0
September	6.3	NW.	22	S.	0	5	3	4	3	5	1	11	27	1	13	12	5	3	1	0	0	0	0	0	3	0	0	0
October	5.6	NW.	22	S.	0	12	3	6	0	5	2	10	23	1	18	5	8	5	3	0	0	0	2	0	1	0	0	0
November	5.8	NW.	32	NW.	0	5	6	8	4	2	3	9	21	2	19	5	6	7	7	0	0	0	0	0	0	0	1	0
December	5.2	E.	35	W.	0	7	6	11	5	5	5	8	15	0	20	7	4	8	6	0	0	0	0	0	0	0	2	0
Year	6.2	NW.	42	S.	1	77	52	80	33	65	72	141	205	5	187	109	69	51	35	0	0	1	6	0	4	0	8	0

Annual meteorological summary for the year ending December 31, 1918—Continued.

SANDUSKY, OHIO.

[ϕ=41° 25′ N.; λ=82° 40′ W.]

Month.	Pressure.			Temperature.								Moisture.															
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	29.212	29.770	28.120	11.5	17.0	15.3	21.4	7.8	14.6	40	−12	7	10	10	81	74	78	0.060	0.071	0.071	2.77	0.50	8.0	6.6	5.6	6.8
February	29.336	30.140	28.270	24.0	31.4	30.3	37.9	18.6	28.2	65	−14	18	22	23	78	69	74	.118	.138	.149	1.25	.42	6.4	5.9	4.9	6.1
March	29.354	29.880	28.580	34.9	42.9	42.1	50.2	31.7	41.0	72	18	28	30	31	75	62	65	.153	.170	.179	1.92	.91	5.2	4.8	3.3	4.8
April	29.330	29.830	28.720	43.3	48.9	46.6	53.7	38.1	45.9	71	26	35	37	36	74	66	70	.214	.238	.228	1.39	.36	6.5	7.0	6.7	7.0
May	29.344	29.700	28.680	62.1	69.7	66.7	74.7	55.5	65.1	90	37	53	54	54	72	60	66	.422	.443	.448	4.15	1.36	6.2	6.3	5.7	5.8
June	29.274	29.540	28.820	65.0	71.4	70.2	76.7	59.7	68.2	91	51	54	54	56	70	56	62	.440	.437	.457	1.25	.74	5.3	5.9	5.0	5.5
July	29.355	29.570	29.140	69.0	75.5	....	79.1	63.5	71.3	91	50	59	59	....	72	57	....	.513	.514	.....	1.32	1.00	4.8	5.6	....	5.6
August	29.353	29.670	29.060	73.0	80.0	....	83.5	67.6	75.6	105	56	63	63	....	71	58	....	.579	.590	.....	1.76	.60	5.1	5.6	....	5.5
September	29.378	29.770	29.000	54.7	61.8	....	66.2	50.5	58.4	82	39	47	48	....	78	62	....	.335	.341	.....	4.30	1.67	6.3	6.3	....	6.3
October	29.392	29.760	28.920	51.9	60.4	....	64.0	48.1	56.0	79	38	45	47	....	79	63	....	.310	.330	.....	1.13	.46	5.5	5.9	....	6.4
November	29.357	29.800	28.570	39.7	46.0	....	49.2	36.5	42.8	67	22	32	34	....	76	64	....	.192	.206	.....	1.17	.37	7.4	6.6	....	6.6
December	29.372	29.880	28.770	36.9	40.4	....	44.2	33.5	38.8	63	20	32	33	....	81	76	....	.185	.198	.....	2.71	.72	8.7	8.3	....	8.1
Year	29.338	29.880	28.120	47.2	53.8	....	58.4	42.6	50.5	105	−14	39	41	....	76	64	....	.293	.306	.....	25.12	1.67	6.3	6.2	....	6.2

SANDY HOOK, N. J.

[ϕ=40° 28′ N.; λ=74° 01′ W.]

January	29.876	30.420	28.780	19.6	23.1	23.0	27.5	15.8	21.6	51	1	13	14	15	74	68	70	0.084	0.088	0.089	3.54	1.29	6.7	5.7	4.0	5.7
February	30.066	30.720	28.980	27.2	31.7	30.7	37.1	21.8	29.4	56	− 4	20	22	23	74	65	73	.124	.128	.136	1.73	.84	5.9	4.7	4.5	4.8
March	29.977	30.540	29.390	36.2	43.4	40.0	47.7	32.6	40.2	71	20	30	32	32	78	64	72	.171	.183	.183	1.69	.61	4.5	4.6	3.2	4.5
April	30.009	30.560	29.530	44.8	51.8	47.5	54.5	41.1	47.8	73	33	39	42	40	81	70	78	.244	.275	.257	3.46	1.38	6.2	5.6	6.8	6.3
May	30.050	30.453	29.530	59.0	66.1	61.6	70.6	54.2	62.4	85	45	54	57	55	85	74	80	.435	.477	.447	2.74	.89	5.3	5.1	6.2	5.3
June	29.927	30.250	29.330	63.2	69.1	65.1	72.1	59.3	65.7	89	51	54	55	56	75	63	74	.438	.448	.456	3.30	1.02	6.0	4.6	5.3	5.4
July	29.969	30.243	29.730	69.9	76.4	71.2	79.7	65.9	72.8	96	59	62	61	64	77	61	78	.563	.544	.597	4.93	3.62	4.6	4.2	5.3	5.2
August	30.020	30.440	29.700	72.1	79.7	74.0	81.7	68.4	75.0	98	62	64	64	65	77	61	75	.616	.618	.637	.66	.35	4.5	3.4	4.8	4.3
September	30.027	30.350	29.730	61.8	67.7	64.4	70.2	58.1	64.2	80	47	55	55	55	78	64	73	.441	.443	.446	3.22	1.36	5.7	4.9	3.9	4.9
October	30.106	30.550	29.570	55.7	61.8	58.3	65.1	52.5	58.8	74	45	49	49	50	79	64	75	.365	.365	.375	.74	.35	4.6	4.8	3.5	4.7
November	30.030	30.530	29.110	44.0	48.7	46.7	51.0	41.8	46.4	63	30	36	35	36	75	61	66	.226	.218	.220	1.37	.75	5.4	4.9	4.6	5.4
December	30.109	30.710	29.520	37.0	40.4	39.8	44.4	34.2	39.3	60	24	31	32	32	78	73	73	.180	.191	.191	3.38	1.29	4.6	5.6	5.2	5.6
Year	30.014	30.720	28.780	49.2	55.0	51.9	58.5	45.5	52.0	98	− 4	42	43	44	78	66	74	.324	.332	.336	30.76	3.62	5.4	4.8	4.8	5.2

SAN FRANCISCO, CALIF.

[ϕ=37° 48′ N.; λ=122° 26′ W.]

January	29.960	30.180	29.510	48.7	55.2	55.2	59.0	46.4	52.7	64	41	41	42	41	78	62	63	0.263	0.271	0.266	0.81	0.45	3.6	5.1	3.4	2.7
February	29.902	30.270	29.514	48.3	54.4	55.3	57.9	45.8	51.8	67	40	42	44	43	82	69	66	.276	.291	.283	5.79	1.48	5.0	4.4	5.2	4.3
March	29.880	30.250	29.430	50.0	57.9	58.6	62.3	47.5	54.9	78	40	44	45	45	82	63	62	.297	.301	.305	2.73	.75	4.9	5.2	4.7	4.8
April	29.851	30.000	29.560	51.5	61.6	59.7	64.4	50.1	57.2	81	43	43	44	45	74	56	62	.279	.293	.307	.60	.48	4.0	3.3	3.8	2.7
May	29.837	30.060	29.690	49.3	58.0	56.0	61.0	48.3	54.6	76	46	46	47	46	87	68	70	.305	.323	.315	T.	T.	4.9	2.6	2.4	2.3
June	29.720	29.860	29.587	53.2	64.1	61.2	67.1	51.3	59.2	83	49	49	51	51	88	65	71	.352	.378	.376	T.	T.	5.8	2.9	2.6	2.9
July	29.789	29.960	29.650	53.7	62.2	60.2	65.3	52.4	58.8	75	49	51	53	53	92	72	76	.375	.398	.397	T.	T.	7.6	1.5	1.7	3.5
August	29.782	29.920	29.600	55.3	65.4	61.8	67.5	54.3	60.9	76	52	52	54	53	89	66	74	.389	.412	.407	.00	.00	5.1	1.7	2.1	2.2
September	29.787	29.920	29.592	58.4	66.0	62.9	67.7	56.8	62.2	80	54	55	55	55	89	70	76	.435	.442	.431	2.53	1.54	7.9	6.0	6.0	5.7
October	29.850	30.000	29.683	58.2	68.5	65.6	72.1	56.0	64.0	85	52	52	51	53	82	56	66	.392	.383	.403	.17	.09	3.1	2.9	3.4	2.2
November	29.900	30.320	29.530	51.7	57.6	58.3	61.4	49.8	55.6	72	45	46	45	46	81	65	65	.312	.310	.316	5.60	2.25	3.3	4.0	4.3	3.2
December	29.942	30.260	29.540	46.9	51.9	53.0	55.9	44.4	50.2	64	38	39	39	41	77	63	66	.249	.243	.263	2.62	1.49	2.1	4.3	3.9	3.1
Year	29.851	30.320	29.430	52.1	60.2	59.0	63.5	50.3	56.8	85	38	47	47	48	83	64	68	.327	.337	.339	20.35	2.25	4.8	3.7	3.6	3.3

SAN JOSE, CALIF.

[ϕ=37° 20′ N.; λ=121° 54′ W.]

January	29.969	30.161	29.600	....	55.1	58.0	60.5	38.3	49.4	70	28	....	41	42	....	61	59	.....	0.262	0.278	0.70	0.47	....	3.3	3.4	4.1
February	29.943	30.273	29.584	....	56.4	57.3	60.4	39.5	50.0	70	30	....	43	43	....	64	61	.....	.288	.285	2.33	.56	....	5.0	5.0	5.1
March	29.894	30.250	29.552	....	61.7	61.5	65.2	43.8	54.5	81	35	....	45	46	....	58	58	.....	.303	.313	4.48	1.66	....	4.9	5.3	5.2
April	29.868	30.000	29.670	....	63.9	65.0	69.8	42.6	56.2	86	33	....	43	45	....	46	52	.....	.286	.309	.45	.35	....	2.0	1.6	1.6
May	29.869	30.030	29.709	....	65.5	64.4	69.7	44.3	57.0	83	38	....	46	46	....	50	52	.....	.314	.316	T.	T.	....	1.2	1.2	2.6
June	29.767	29.900	29.661	....	78.2	75.5	82.5	51.7	67.1	93	45	....	50	54	....	41	48	.....	.375	.416	.00	.00	....	1.1	1.0	1.5
July	29.819	29.950	29.707	....	75.7	72.6	79.3	51.7	65.5	90	46	....	54	55	....	49	54	.....	.425	.429	.00	.00	....	0.2	0.7	1.6
August	29.813	29.960	29.693	....	77.5	75.7	81.7	52.5	67.1	95	47	....	54	54	....	45	48	.....	.418	.424	.00	.00	....	0.6	0.9	1.7
September	29.830	29.950	29.672	....	69.7	68.7	73.9	55.0	64.4	82	48	....	57	56	....	64	66	.....	.464	.456	6.33	4.47	....	3.8	4.4	5.0
October	29.871	30.020	29.736	....	71.0	68.2	74.9	49.1	62.0	89	39	....	52	52	....	54	59	.....	.402	.396	.15	.12	....	3.0	2.3	3.3
November	29.933	30.355	29.640	....	57.8	57.7	62.4	41.1	51.8	73	32	....	46	45	....	66	64	.....	.315	.309	2.24	.79	....	4.2	3.9	4.8
December	29.971	30.260	29.663	....	52.4	52.4	56.3	34.4	45.4	68	27	....	41	41	....	66	67	.....	.261	.260	1.28	.46	....	3.4	3.6	4.2
Year	29.879	30.355	29.552	....	65.6	64.8	69.7	45.3	57.5	95	27	....	48	48	....	55	57	.....	.343	.349	18.26	4.47	....	2.7	2.8	3.4

Annual meteorological summary for the year ending December 31, 1918—Continued.

SANDUSKY, OHIO.

[H_b=629 ft.; h_t=62 ft.; h_r=54 ft.; h_a=103 ft.]

Month.	Wind.					Number of winds, 8 a. m. and 8 p. m.									Number of days.														
	By self-register.																	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	15.8	SW.	48	SW.	2	3	9	6	4	1	28	9	2	0	5	11	15	17	16	23	16	0	0	26	0	31	0	0
February	16.1	SW.	58	W.	7	2	3	3	5	3	26	6	8	0	5	14	9	8	8	8	1	0	2	9	0	20	3	0
March	13.8	SW.	56	NW.	2	9	10	6	6	3	16	4	8	0	12	11	8	7	4	6	3	0	1	1	0	16	3	1
April	15.8	NE.	46	NE.	2	3	15	13	7	1	10	6	5	0	4	8	18	13	11	1	1	0	0	0	0	8	2	1
May	12.8	SW.	48	W.	3	4	4	10	4	13	16	6	5	0	7	14	10	12	11	0	0	1	0	0	0	0	11	0
June	11.9	SW.	40	W.	1	8	6	12	5	5	11	6	7	0	7	13	10	8	4	0	0	0	0	0	1	0	6	0
July	9.3	NE.	46	NW.	1	4	4	1	3	3	9	7	0	0	5	13	7	5	4	0	0	0	0	0	1	0	5	0
August	10.4	SW.	38	NW.	0	0	2	3	1	6	12	6	1	0	8	14	9	10	7	0	0	0	0	0	6	0	8	0
September	11.4	SW.	38	N.	0	6	4	0	0	6	9	3	2	0	7	9	14	10	9	0	0	0	0	0	0	0	4	0
October	11.9	SW.	42	NE.	1	1	2	1	3	8	11	4	1	0	9	7	15	9	6	0	0	0	2	0	0	0	2	0
November	14.4	SW.	54	SW.	3	1	1	1	3	6	7	5	6	0	7	7	16	9	6	4	0	0	0	0	0	8	1	0
December	13.1	SW.	45	NW.	1	0	3	4	1	5	9	5	4	0	3	6	22	16	10	9	5	0	0	4	0	11	1	0
Year	13.1	SW.	58	W.	23	41	63	60	42	60	164	67	49	0	79	133	153	124	96	51	26	1	5	40	8	94	46	2

SANDY HOOK, N. J.

[H_b=22 ft.; h_t=10 ft.; h_r=3 ft.; h_a=54 ft.]

January	20.1	W.	66	S.	7	6	9	2	1	1	10	25	8	0	9	10	12	13	10	12	10	0	1	24	0	31	0	0
February	18.3	NW.	73	W.	9	0	2	2	3	12	8	15	14	0	9	11	8	10	7	4	3	0	4	9	0	22	0	0
March	17.1	NW.	71	NW.	7	3	9	2	2	8	14	6	18	0	15	10	6	13	9	4	2	0	5	0	0	13	2	1
April	16.1	NE.	56	NE.	6	3	18	5	5	7	6	8	8	0	5	12	13	12	8	3	3	0	6	0	0	0	2	0
May	12.5	S.	45	NW.	3	2	4	5	6	20	13	5	7	0	10	12	9	14	11	0	0	0	4	0	0	0	7	0
June	14.7	NW.	45	S.	4	2	8	3	10	12	7	6	12	0	11	8	11	8	8	0	0	0	0	0	0	0	7	0
July	11.7	NW.	47	NW.	2	1	6	3	6	16	12	6	12	0	12	12	7	10	10	0	0	0	1	0	3	0	8	0
August	12.6	SW.	45	NW.	2	4	4	8	11	13	10	7	5	0	18	7	6	7	4	0	0	0	2	0	4	0	5	0
September	15.5	NW.	49	NW.	1	3	6	6	6	9	12	5	13	0	11	11	8	9	8	0	0	0	0	0	0	0	4	0
October	14.2	S.	47	NW.	7	5	5	2	9	22	6	2	11	0	12	13	6	6	5	0	0	0	5	0	0	0	1	0
November	17.8	W.	52	S.	6	3	7	3	5	6	15	14	7	0	11	8	11	6	4	0	0	0	1	0	0	3	1	0
December	17.2	W.	57	NW.	9	4	12	0	5	6	12	13	10	0	10	10	11	8	6	4	1	0	4	0	0	12	0	0
Year	15.6	S.	73	W.	63	36	90	41	69	132	125	112	125	0	133	124	108	116	90	27	19	0	33	33	7	81	37	1

SAN FRANCISCO, CALIF.

[H_b=155 ft.; h_t=209 ft.; h_r=200 ft.; h_a=213 ft.]

January	6.2	N.	27	NE.	0	11	12	2	3	7	4	11	12	0	20	6	5	3	3	0	0	0	0	0	0	0	0	0
February	8.6	NE.	37	NE.	0	9	8	0	5	8	13	6	6	1	14	8	6	15	15	0	0	0	1	1	0	0	1	0
March	6.9	SW.	30	SW.	0	11	2	3	1	8	15	12	9	1	13	6	12	10	9	0	0	0	1	0	0	0	0	0
April	9.2	W.	31	SW.	0	4	5	1	3	1	11	32	3	0	21	5	4	3	3	0	0	0	1	0	0	0	0	0
May	12.4	SW.	32	SW.	0	0	0	0	0	2	30	19	11	0	20	11	0	0	0	0	0	0	1	0	0	0	0	0
June	12.6	SW.	35	SW.	0	0	0	0	1	1	38	18	1	1	18	11	1	0	0	0	0	0	2	0	0	0	1	0
July	13.1	SW.	34	SW.	0	0	0	1	0	1	44	12	4	0	17	11	3	0	0	0	0	0	0	0	0	0	0	0
August	12.1	SW.	34	SW.	0	0	0	0	0	1	42	19	0	0	22	7	2	0	0	0	0	0	0	0	0	0	0	0
September	8.5	SW.	29	SW.	0	3	0	0	2	2	29	23	1	0	6	11	13	4	3	0	0	0	2	0	0	0	1	0
October	6.3	SW.	30	NE.	0	6	2	0	3	7	17	23	3	1	21	6	4	5	2	0	0	0	0	0	0	0	0	0
November	6.8	NE.	42	NE.	1	10	6	5	7	2	4	21	5	0	18	7	5	9	6	0	0	0	2	0	0	0	0	0
December	6.3	NE.	37	NE.	0	18	11	3	5	9	2	11	3	0	18	8	5	7	5	0	0	0	2	0	0	0	0	0
Year	9.1	SW.	42	NE.	1	72	46	15	30	49	249	207	58	4	208	97	60	56	46	0	0	1	12	0	0	0	3	0

SAN JOSE, CALIF.

[H_b=141 ft.; h_t=12 ft.; h_r=3 ft.; h_a=110 ft.]

January	5.3	NW.	31	NW.	0	2	1	0	0	0	0	13	14	1	16	9	6	4	2	0	0	0	5	0	0	4	0	0
February	6.8	SE.	27	SE.	0	0	0	1	6	2	3	7	9	0	11	5	12	14	11	0	0	0	1	0	0	2	0	0
March	6.1	NW.	36	S.	0	0	0	0	2	5	1	8	15	0	12	6	13	10	9	0	0	0	1	0	0	0	0	0
April	6.3	NW.	25	NW.	0	1	0	0	0	1	3	8	17	0	27	3	0	2	2	0	0	0	0	0	0	0	0	0
May	7.1	NW.	25	NW.	0	0	0	0	0	1	1	11	18	0	22	7	2	0	0	0	0	0	0	0	0	0	0	0
June	6.0	NW.	20	NW.	0	0	0	0	0	0	0	6	24	0	29	1	0	0	0	0	0	0	0	0	0	0	0	0
July	6.4	NW.	24	SE.	0	0	0	0	0	0	0	1	30	0	29	2	0	0	0	0	0	0	1	0	0	1	0	0
August	6.2	NW.	30	SW.	0	0	0	0	0	0	2	1	28	0	27	4	0	0	0	0	0	0	3	0	3	0	0	0
September	4.4	NW.	18	NW.	0	0	0	2	0	0	1	7	20	0	10	12	8	5	4	0	0	0	1	0	0	0	1	0
October	4.6	NW.	24	N.	0	1	0	0	1	0	1	6	22	0	18	7	6	5	1	0	0	0	0	0	0	0	0	0
November	5.5	SE.	35	SE.	0	2	1	0	2	2	1	9	13	0	14	6	10	10	7	0	0	0	4	0	0	2	0	0
December	5.3	SE.	35	N.	0	1	2	0	3	0	2	11	12	0	14	6	11	6	5	0	0	0	3	0	0	12	0	0
Year	5.8	NW.	36	S.	0	7	4	3	14	11	15	88	222	1	229	68	68	56	41	0	0	1	18	0	11	20	1	0

Annual meteorological summary for the year ending December 31, 1918—Continued.

SAN JUAN, P. R.

[ϕ=18° 29′ N.; λ=66° 07′ W.]

Month.	Pressure.			Temperature.								Moisture.												
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	29.931	30.051	29.720	73.0	78.0	....	79.6	68.0	73.8	84	64	66	67	....	80	69	....	0.653	0.657	.....	1.26	0.24	4.4	4.5	....	4.4
February	29.966	30.100	29.830	74.9	77.3	....	78.9	69.5	74.2	81	67	67	69	....	78	76	....	.672	.710	.....	7.84	4.84	3.7	4.4	....	4.1
March	29.948	30.054	29.790	75.5	77.5	....	79.9	68.5	74.2	87	66	67	68	....	76	72	....	.667	.681	.....	2.89	.66	3.1	2.9	....	3.2
April	29.889	30.000	29.760	78.1	79.7	....	81.6	70.4	76.0	89	68	69	69	....	73	70	....	.702	.709	.....	1.71	.46	4.5	4.1	....	3.2
May	29.900	30.061	29.790	78.7	79.2	....	81.1	72.6	76.8	84	69	69	70	....	74	73	....	.720	.725	.....	4.31	2.10	6.0	5.8	....	6.0
June	29.901	29.993	29.800	81.4	82.0	....	84.2	73.9	79.0	90	70	73	73	....	76	75	....	.806	.809	.....	4.17	1.56	4.9	5.8	....	5.4
July	29.943	30.030	29.800	81.7	81.9	....	84.1	74.9	79.5	85	71	74	74	....	77	77	....	.838	.831	.....	5.71	1.58	4.1	5.4	....	5.2
August	29.926	30.017	29.800	82.6	83.7	....	85.3	75.9	80.6	89	72	74	75	....	75	74	....	.832	.857	.....	2.78	.99	2.8	3.4	....	3.6
September	29.873	29.974	29.750	81.9	83.6	....	86.0	75.0	80.5	91	71	74	74	....	76	74	....	.829	.847	.....	5.58	2.32	3.2	4.4	....	4.3
October	29.837	29.948	29.660	80.4	82.3	....	85.0	73.9	79.4	89	71	73	74	....	79	75	....	.817	.827	.....	7.77	3.34	4.7	6.0	....	6.1
November	29.853	29.989	29.720	77.3	80.4	....	82.5	72.3	77.4	88	70	71	73	....	82	79	....	.760	.803	.....	4.24	.81	4.0	4.5	....	4.7
December	29.925	30.049	29.810	75.6	78.6	....	80.6	70.7	75.6	84	66	69	70	....	81	77	....	.716	.749	.....	4.61	.77	4.0	4.9	....	5.1
Year	29.908	30.100	29.660	78.4	80.4	....	82.4	72.1	77.2	91	64	70	71	....	77	74	....	.750	.767	.....	52.87	4.84	4.1	4.7	....	4.6

SAN LUIS OBISPO, CALIF.

[ϕ=35° 18′ N.; λ=120° 39′ W.]

January	29.885	30.120	29.501	45.6	....	61.0	65.8	41.9	53.8	84	31	37	....	44	74	....	58	0.228	.....	0.294	0.55	0.44	1.0	....	3.0	3.3
February	29.885	30.135	29.548	44.3	....	57.4	62.0	41.9	52.0	82	32	40	....	44	85	....	66	.254	.....	.294	9.63	2.63	4.1	....	4.6	5.6
March	29.836	30.140	29.533	49.4	....	60.6	67.0	46.5	56.8	86	36	44	....	44	85	....	60	.290	.....	.300	7.12	2.25	5.1	....	4.9	5.0
April	29.792	29.940	29.580	50.4	66.4	61.8	69.4	46.7	58.0	88	40	41	44	44	74	48	56	.265	0.301	.294	.04	.02	3.8	2.8	2.6	3.0
May	29.815	29.950	29.670	46.6	63.0	58.8	66.4	45.2	55.8	88	37	43	46	46	88	55	62	.278	.311	.306	.01	.01	4.6	2.7	1.7	3.4
June	29.683	29.830	29.538	53.6	75.0	70.7	79.0	52.3	65.6	104	47	50	53	52	87	48	54	.355	.404	.391	T.	T.	6.3	1.4	2.0	2.8
July	29.744	29.850	29.621	53.5	72.7	68.5	76.1	52.8	64.4	85	48	50	54	53	90	52	59	.368	.413	.405	T.	T.	8.2	1.0	1.1	2.8
August	29.742	29.870	29.580	55.6	74.3	70.4	77.6	54.4	66.0	91	48	53	54	54	90	51	57	.400	.422	.419	.01	.01	6.7	1.9	1.4	2.8
September	29.733	29.860	29.550	58.4	72.3	67.1	74.8	56.8	65.8	90	50	55	56	56	89	58	68	.433	.447	.448	.73	.45	7.3	4.2	4.0	5.1
October	29.771	29.930	29.600	58.7	77.0	70.2	80.2	54.9	67.6	99	44	48	47	50	72	41	54	.353	.342	.378	.81	.78	4.2	2.7	2.1	2.9
November	29.833	30.220	29.613	49.4	64.8	60.3	67.6	46.1	56.8	81	36	41	42	46	75	47	60	.268	.281	.315	4.00	1.85	3.2	3.6	3.6	3.6
December	29.864	30.120	29.510	42.5	60.2	56.3	63.0	39.1	51.0	83	27	34	34	38	74	41	51	.201	.205	.230	1.92	1.04	1.8	2.1	2.3	2.2
Year	29.799	30.220	29.501	50.7	....	63.6	70.7	48.2	59.5	104	27	45	....	48	82	....	59	.308	.....	.340	24.82	2.63	4.7	....	2.8	3.5

SANTA FE, N. MEX.

[ϕ=35° 41′ N.; λ=105° 57′ W.]

January	23.072	23.470	22.740	20.0	30.1	28.8	35.9	16.5	26.2	59	− 1	15	20	20	80	65	68	0.086	0.105	0.107	1.63	0.53	3.3	4.6	4.6	4.7
February	23.210	23.540	22.660	29.1	40.3	40.8	46.1	25.6	35.8	58	8	20	22	22	68	50	46	.111	.120	.117	1.14	.68	3.2	3.9	3.2	4.1
March	23.231	23.550	22.890	34.8	47.2	48.6	53.0	32.6	42.8	63	21	26	26	27	71	46	46	.142	.145	.150	1.46	1.07	4.4	5.3	5.7	5.2
April	23.129	23.510	22.760	35.2	50.2	51.1	56.3	33.6	45.0	67	20	24	23	22	64	37	35	.127	.125	.120	.72	.41	4.7	4.7	5.1	5.2
May	23.208	23.450	22.950	46.7	62.1	63.1	67.1	44.3	55.7	78	31	26	23	25	46	25	27	.142	.130	.142	1.02	1.01	3.3	3.8	4.1	4.0
June	23.353	23.550	23.176	59.1	76.2	73.7	80.3	56.5	68.4	90	45	43	41	41	56	30	35	.286	.263	.266	.68	.27	2.9	4.7	6.5	4.8
July	23.384	23.550	23.210	59.7	75.1	72.7	80.3	58.3	69.3	85	54	48	45	46	68	34	42	.342	.301	.319	2.42	.66	4.5	4.7	7.3	5.1
August	23.345	23.500	23.170	57.7	74.8	71.9	78.9	56.8	67.8	88	52	46	45	45	68	37	43	.320	.307	.311	.82	.29	3.5	5.0	6.4	4.6
September	23.365	23.570	23.110	49.6	66.9	66.1	72.0	48.8	60.4	82	38	41	40	40	74	40	41	.263	.256	.253	.76	.46	3.4	3.5	3.6	4.0
October	23.306	23.550	22.860	43.3	58.3	54.5	61.9	42.0	52.0	77	25	32	33	32	68	43	50	.185	.192	.187	2.73	1.01	3.3	2.6	5.1	4.1
November	23.207	23.530	22.790	28.2	40.1	36.6	43.9	26.2	35.0	65	9	21	21	22	74	51	57	.115	.113	.117	.63	.23	3.6	4.7	4.1	4.2
December	23.181	23.520	22.753	21.6	31.8	27.7	35.8	18.2	27.0	56	0	17	20	19	81	64	71	.095	.108	.105	1.24	.28	3.6	4.6	4.2	4.2
Year	23.249	23.570	22.660	40.4	54.5	53.0	59.3	38.3	48.8	90	− 1	30	30	30	68	44	47	.184	.180	.183	15.25	1.07	3.6	4.3	5.0	4.5

SAULT STE. MARIE, MICH.

[ϕ=46° 30′ N.; λ=84° 21′ W.]

January	29.160	29.800	28.130	0.7	7.1	5.5	11.0	−4.6	3.2	20	−22	− 3	3	2	82	82	83	0.036	0.049	0.046	0.99	0.17	7.4	8.1	5.7	7.3
February	29.266	30.000	28.271	5.4	13.6	11.0	18.0	−1.0	8.5	39	−31	1	9	6	82	80	80	.054	.074	.062	1.47	.45	6.4	7.1	6.4	5.9
March	29.327	29.840	28.640	19.6	31.0	27.8	35.2	15.8	25.5	61	−12	15	22	22	79	67	78	.091	.123	.121	.48	.19	5.6	5.9	3.5	5.3
April	29.370	30.130	28.650	32.9	43.6	39.7	47.5	27.7	37.6	68	16	26	28	30	74	58	68	.144	.161	.170	2.51	1.04	4.5	4.6	4.0	4.5
May	29.286	29.729	28.620	46.4	53.3	51.0	58.9	39.3	49.1	82	29	40	43	42	81	71	74	.263	.298	.291	5.74	.97	7.6	6.8	5.1	6.3
June	29.239	29.610	28.714	54.3	61.5	57.3	65.7	44.9	55.3	76	35	45	48	46	72	62	67	.312	.342	.320	2.56	1.36	5.0	5.0	5.3	5.1
July	29.325	29.570	28.150	59.5	69.2	64.8	72.9	51.8	62.4	91	38	53	56	55	80	65	72	.420	.473	.450	2.03	1.13	5.4	5.4	4.3	4.8
August	29.320	29.777	29.000	59.6	69.2	63.5	71.3	52.8	62.0	85	47	56	60	58	88	72	83	.450	.509	.488	3.19	.82	7.1	6.4	5.3	5.6
September	29.330	29.911	28.790	45.9	54.7	49.8	57.7	41.6	49.6	89	34	43	47	45	90	76	84	.283	.338	.310	2.68	.88	7.3	7.6	5.4	7.1
October	29.339	29.820	28.712	42.6	50.2	46.5	53.2	39.3	46.2	70	30	39	40	41	88	70	80	.245	.252	.258	4.38	1.50	7.8	7.7	6.4	7.3
November	29.244	29.740	28.350	35.7	40.4	38.2	42.9	32.5	37.7	58	6	32	33	33	85	76	80	.188	.198	.197	2.53	.57	8.6	8.6	7.2	8.5
December	29.362	29.940	28.860	23.1	27.1	26.6	30.0	20.6	25.3	42	− 7	18	22	22	81	80	82	.109	.126	.126	2.45	.90	7.9	9.1	8.2	7.7
Year	29.297	30.130	28.130	35.5	43.4	40.1	47.0	30.1	38.5	91	−31	30	34	34	82	72	78	.216	.245	.237	31.01	1.50	6.7	6.9	5.6	6.3

Annual meteorological summary for the year ending December 31, 1918—Continued.

SAN JUAN, P. R.

[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.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. 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	12.4	E.	34	E.	0	0	1	8	9	9	2	1	1	0	11	18	2	16	12	0	0	0	0	0	0	0	0	0
February	17.2	E.	38	E.	0	0	7	12	4	8	2	0	0	0	12	14	2	22	19	0	0	0	0	0	0	0	1	0
March	13.1	NE.	34	NE.	0	0	6	14	4	6	1	0	0	0	20	10	1	19	12	0	0	0	0	0	0	0	0	0
April	13.1	NE.	33	NE.	0	0	2	20	4	2	1	1	0	0	20	8	2	12	7	0	0	0	0	0	0	0	0	0
May	16.1	NE.	39	NE.	0	1	14	14	2	0	0	0	0	0	6	14	11	15	10	0	0	0	0	0	0	0	2	0
June	12.1	E.	32	NE.	0	0	5	21	1	2	0	1	0	0	9	12	9	12	10	0	0	0	0	0	0	1	0	7
July	14.5	E.	33	E.	0	0	3	26	2	0	0	0	0	0	10	14	7	19	12	0	0	0	0	0	0	0	0	5
August	13.6	NE.	42	NE.	1	1	4	21	5	0	0	0	0	0	18	11	2	12	11	0	0	0	0	0	0	0	0	4
September	10.0	SE.	36	E.	0	0	3	14	6	2	3	0	2	0	10	16	4	18	13	0	0	0	0	0	0	2	0	6
October	8.7	E.	34	E.	0	0	2	12	9	6	0	1	1	0	4	17	10	20	15	0	0	0	0	0	0	0	0	8
November	8.5	SE.	33	NE.	0	1	1	4	10	8	5	1	0	0	13	10	7	17	14	0	0	0	0	0	0	0	0	2
December	12.3	NE.	40	NE.	2	0	5	11	5	9	1	0	0	0	9	16	6	26	20	0	0	0	0	0	0	0	0	0
Year	12.6	E.	42	NE.	3	3	53	177	61	47	15	5	4	0	142	160	63	208	155	0	0	0	0	0	3	0	35	0

SAN LUIS OBISPO, CALIF.

[H_b=201 ft.; h_t=32 ft.; h_r=23 ft.; h_a=40 ft.]

January	4.4	NW.	20	N.	0	5	3	1	5	0	6	15	26	1	18	9	4	3	3	0	0	0	2	0	0	1	0	0
February	4.6	NW.	36	SE.	0	4	1	1	11	2	3	19	13	2	12	3	13	11	9	0	0	0	1	0	0	1	0	0
March	4.8	NW.	24	SE.	0	4	4	0	8	3	2	27	13	1	15	4	12	11	8	0	0	0	0	0	0	0	1	0
April	5.0	NW.	20	SW.	0	5	2	0	3	2	4	24	19	1	20	6	4	2	0	0	0	0	0	0	0	0	0	0
May	4.9	W.	19	SW.	0	3	1	1	2	4	2	28	17	4	18	9	4	1	0	0	0	0	0	0	0	0	0	0
June	3.7	NW.	15	W.	0	3	0	2	3	9	11	11	18	3	18	12	0	0	0	0	0	0	0	0	0	2	0	1
July	4.0	NW.	15	W.	0	4	0	0	4	7	2	21	23	1	23	8	0	0	0	0	0	0	0	0	0	0	0	0
August	3.5	NW.	17	W.	0	10	1	2	1	7	5	14	21	1	22	6	3	1	0	0	0	0	0	0	0	2	0	1
September	4.0	NW.	17	N.	0	6	4	0	3	2	4	4	36	1	12	9	9	6	4	0	0	0	0	0	0	0	0	4
October	4.1	NW.	22	NE.	0	16	10	0	2	4	3	6	18	3	19	8	4	3	1	0	0	0	0	0	0	5	0	1
November	4.0	N.	22	SW.	0	12	6	0	3	7	4	9	12	7	16	8	6	10	9	0	0	0	2	0	0	0	0	0
December	4.0	N.	23	NE.	0	22	6	3	1	4	8	3	12	3	22	6	3	6	5	0	0	0	0	0	0	6	0	0
Year	4.2	NW.	36	SE.	0	94	38	10	46	51	54	181	228	23	215	88	62	54	39	0	0	0	5	0	9	8	8	0

SANTA FE, N. MEX.

[H_b=7,013 ft.; h_t=57 ft.; h_r=49 ft.; h_a=66 ft.]

January	8.1	N.	34	S.	0	17	10	6	11	3	7	0	8	0	12	14	5	11	9	13	11	0	0	13	0	29	1	0
February	8.0	N.	46	SW.	1	15	6	9	10	1	9	2	4	0	15	9	4	9	6	7	6	0	1	0	0	22	0	0
March	7.9	SW.	42	SW.	2	8	7	13	7	3	8	7	9	0	8	16	7	11	5	7	5	1	1	0	0	13	0	0
April	9.2	SW.	36	S.	0	8	7	9	8	6	8	5	9	0	9	18	3	6	4	5	4	0	0	0	0	10	2	0
May	9.4	SW.	47	S.	3	9	10	13	13	6	14	2	4	0	16	14	1	3	1	2	0	0	0	0	0	1	1	0
June	7.2	SE.	34	NW.	0	4	9	20	14	2	3	0	8	0	7	22	1	7	4	0	0	0	0	0	0	0	18	0
July	5.7	E.	29	SE.	0	9	10	19	12	2	5	1	4	0	3	27	1	13	11	0	0	0	1	0	0	0	19	0
August	6.4	E.	30	S.	0	7	13	16	8	4	9	2	3	0	6	25	0	8	5	0	0	0	0	0	0	0	16	0
September	6.6	E.	33	SW.	0	4	13	13	10	3	9	3	5	0	14	15	1	5	4	0	0	0	1	0	0	0	7	0
October	6.3	E.	32	SW.	0	8	9	16	7	1	16	0	5	0	14	13	4	10	9	3	3	2	0	0	0	7	8	0
November	6.9	SW.	32	NW.	0	12	10	9	17	1	6	0	5	0	14	9	7	10	5	11	7	0	0	7	0	23	0	0
December	7.5	N.	36	SE.	0	19	19	4	8	1	5	1	5	0	15	10	6	8	7	11	8	0	0	14	0	31	0	0
Year	7.4	SW.	47	S.	6	111	123	147	125	33	99	23	69	0	133	192	40	101	70	59	44	5	2	34	0	136	72	0

SAULT STE. MARIE, MICH.

[H_b=614 ft.; h_t=11 ft.; h_r=3 ft.; h_a=61 ft.]

January	8.0	E.	41	NW.	1	7	5	15	6	1	9	9	9	0	7	4	20	17	11	20	17	0	1	31	0	31	0	0
February	9.1	W.	47	NE.	2	2	3	11	9	2	6	13	10	0	9	9	10	15	10	18	15	0	0	23	0	28	0	0
March	10.3	SE.	60	W.	1	1	6	10	10	3	6	13	13	0	10	12	9	8	5	9	7	0	0	12	0	29	0	2
April	9.6	W.	34	NW.	0	1	6	9	10	3	6	15	9	1	18	3	9	8	6	3	1	0	0	1	0	24	2	1
May	9.0	SE.	38	NW.	0	0	3	11	20	4	5	11	8	0	6	12	13	17	15	0	0	2	0	0	0	7	9	0
June	10.0	W.	50	NW.	2	1	2	6	14	1	8	14	14	0	11	11	8	9	7	0	0	0	0	0	0	0	3	0
July	7.9	W.	42	NW.	1	2	1	5	9	1	5	22	16	1	13	8	10	6	5	0	0	0	0	1	0	3	0	0
August	7.2	SE.	36	NW.	0	1	5	13	13	3	7	11	9	0	12	9	10	15	10	0	0	0	0	0	0	8	0	0
September	8.5	NW.	35	W.	0	8	4	9	6	4	7	11	10	1	7	6	17	16	13	1	1	0	1	0	0	0	1	1
October	9.0	E.	38	W.	0	5	4	13	14	2	10	3	11	0	5	9	17	20	14	0	0	0	0	0	0	1	3	0
November	10.5	NW.	35	W.	0	9	3	10	10	3	7	7	11	0	1	6	23	17	13	12	8	0	0	2	0	14	0	0
December	8.7	E.	34	W.	0	8	8	23	8	2	6	2	5	0	3	11	17	16	11	16	12	0	0	16	0	27	0	1
Year	9.0	NW.	60	W.	7	45	50	136	129	29	82	131	125	3	102	100	163	164	120	79	61	2	2	85	1	161	29	5

Annual meteorological summary for the year ending December 31, 1918—Continued.

SAVANNAH, GA.

[ϕ=32° 05′ N.; λ=81° 05′ W.]

Month.	Pressure.			Temperature.								Moisture.												
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	29.931	30.250	29.162	38.2	48.7	45.3	54.6	35.1	44.8	77	18	32	33	36	77	56	69	0.200	0.217	0.232	0.95	0.43	4.5	4.3	3.9	4.7
February	30.101	30.470	29.630	52.6	64.4	51.1	68.5	49.4	59.0	80	29	47	47	47	82	58	72	.352	.363	.346	.66	.27	5.4	5.1	4.5	5.3
March	29.995	30.500	29.720	57.9	68.3	62.8	72.3	55.2	63.8	87	43	53	51	54	84	57	74	.413	.391	.423	3.49	1.76	5.4	5.8	3.7	5.9
April	29.911	30.200	29.680	59.9	69.7	64.3	73.3	56.7	65.0	88	38	54	54	55	82	59	74	.434	.440	.451	4.40	2.14	6.2	5.2	6.1	6.0
May	30.071	30.350	29.820	70.0	79.2	72.4	81.9	65.1	73.5	90	51	63	61	63	79	55	73	.589	.542	.581	1.75	1.00	4.0	4.5	4.2	3.7
June	29.889	30.100	29.570	75.9	83.4	78.1	86.9	71.0	79.0	98	67	69	68	69	79	60	75	.709	.680	.722	3.66	.74	4.2	5.6	6.7	5.4
July	29.952	30.170	29.728	74.7	84.4	79.1	87.8	70.3	79.0	98	63	68	66	67	81	56	68	.699	.646	.668	8.94	3.74	5.6	5.5	6.2	5.8
August	30.000	30.160	29.820	76.0	86.1	80.1	90.2	72.3	81.2	100	65	70	69	72	83	58	78	.742	.715	.779	4.78	1.59	4.1	5.2	4.5	4.8
September	29.957	30.270	29.710	68.9	78.6	72.9	81.4	65.7	73.6	91	53	64	64	66	86	62	80	.621	.613	.654	4.24	2.03	4.3	5.1	3.5	5.1
October	30.009	30.200	29.760	67.1	75.8	70.1	78.1	65.0	71.6	89	56	63	64	65	88	69	85	.591	.615	.631	1.52	.60	7.1	7.5	5.7	7.4
November	30.028	30.307	29.630	51.3	62.2	57.8	65.4	48.5	57.0	79	41	44	45	48	79	58	72	.307	.323	.353	4.66	1.73	4.1	3.8	3.5	4.2
December	30.077	30.380	29.710	50.5	57.9	55.1	60.6	48.2	54.4	75	30	46	46	46	85	68	75	.337	.343	.343	4.00	1.98	6.6	7.1	5.5	7.2
Year	29.993	30.500	29.162	61.9	71.6	66.3	75.1	58.5	66.8	100	18	56	56	57	82	60	74	.500	.466	.515	43.14	3.74	5.1	5.4	4.8	5.5

SCRANTON, PA.

[ϕ=41° 24′ N.; λ=75° 42′ W.]

January	29.015	29.540	28.040	14.2	19.1	18.0	24.8	10.1	17.4	50	−5	9	12	13	78	74	77	0.067	0.078	0.079	4.71	1.72	7.2	5.5	5.2	6.0
February	29.188	29.790	28.100	22.0	29.0	27.6	37.2	16.4	26.8	62	−10	17	20	21	80	70	74	.108	.124	.125	1.26	.58	6.4	6.9	5.7	6.5
March	29.137	29.644	28.570	33.9	43.2	41.6	50.7	28.8	39.6	76	11	27	33	32	76	69	70	.154	.203	.188	2.23	.73	5.3	5.1	4.7	5.3
April	29.174	29.597	28.723	43.5	52.8	49.5	57.5	38.7	48.1	75	28	37	42	41	77	69	76	.227	.282	.274	3.98	.87	6.7	6.2	6.7	6.6
May	29.205	29.590	28.680	60.9	70.9	67.1	75.1	54.1	64.6	87	40	52	55	55	73	60	68	.399	.447	.458	3.58	1.03	6.6	5.9	6.5	6.6
June	29.101	29.397	28.540	63.1	71.9	67.2	75.6	55.2	65.4	90	41	53	51	53	71	50	63	.424	.392	.422	2.60	.92	5.3	5.0	5.9	5.3
July	29.161	29.403	28.900	66.0	76.5	72.3	80.6	60.3	70.4	95	46	60	58	60	80	56	67	.521	.501	.529	2.59	1.11	5.9	5.9	6.5	5.8
August	29.202	29.610	29.950	68.0	78.4	74.7	83.8	62.8	73.3	102	59	60	61	62	77	57	66	.541	.557	.575	4.04	1.12	5.1	4.8	5.3	4.5
September	29.196	29.520	28.880	54.6	63.2	59.0	68.1	49.0	58.6	83	38	50	50	50	86	63	74	.372	.366	.377	4.59	1.52	6.6	6.6	6.5	6.3
October	29.259	29.685	28.700	49.7	60.7	56.6	65.2	45.6	55.4	76	32	47	46	47	89	60	73	.335	.327	.345	3.25	1.02	6.2	5.9	4.3	5.6
November	29.178	29.667	28.330	38.4	45.5	43.2	49.8	35.0	42.4	65	22	35	38	38	88	76	83	.211	.240	.246	1.04	.68	7.0	6.8	5.5	6.2
December	29.249	29.810	28.890	33.2	37.3	36.7	42.6	29.7	36.2	58	18	30	32	31	88	83	88	.172	.188	.200	2.88	.74	7.4	7.5	5.5	6.7
Year	29.172	29.810	28.040	45.6	54.0	51.1	59.2	40.5	49.8	102	−10	40	42	42	80	66	73	.294	.309	.318	36.75	1.72	6.3	6.0	5.6	6.0

SEATTLE, WASH.

[ϕ=47° 38′ N.; λ=122° 20′ W.]

January	29.991	30.400	29.280	42.5	45.1	45.5	47.7	39.7	43.7	60	24	38	39	38	86	80	77	0.242	0.245	0.242	2.94	0.59	7.9	8.8	8.5	8.6
February	29.858	30.210	29.110	38.1	41.6	42.3	44.7	35.2	40.0	54	26	32	34	33	79	74	70	.187	.197	.193	4.81	1.07	7.2	8.2	8.0	8.1
March	29.882	30.330	29.350	41.0	46.4	47.7	49.9	38.2	44.0	67	26	36	37	37	83	72	65	.214	.224	.211	3.92	1.03	7.5	7.7	8.0	7.7
April	29.981	30.460	29.580	43.4	52.3	56.5	58.8	41.1	50.0	73	34	39	39	36	85	62	49	.240	.240	.214	.96	.35	4.6	4.8	5.6	5.2
May	29.963	30.170	29.730	46.6	54.3	57.1	59.8	45.1	52.4	72	39	43	42	41	87	66	58	.279	.274	.258	1.19	.41	6.4	6.3	6.9	6.8
June	29.927	30.260	29.570	53.5	64.2	68.8	70.6	52.5	61.6	81	45	47	47	45	80	56	43	.327	.330	.302	.50	.47	5.7	4.3	4.0	4.7
July	29.902	30.130	29.680	55.9	64.0	69.0	71.3	54.6	63.0	83	47	51	52	52	84	67	56	.379	.392	.389	1.38	.77	5.6	5.4	5.3	5.4
August	29.941	30.190	29.620	56.3	64.3	68.0	70.5	54.7	62.6	84	48	53	53	54	89	68	62	.405	.404	.415	1.12	.37	6.7	4.8	4.4	5.6
September	29.907	30.200	29.720	55.3	63.9	69.8	71.2	53.3	62.2	82	47	51	51	50	86	65	52	.376	.375	.360	.08	.08	3.5	4.8	3.4	4.8
October	29.963	30.230	29.250	50.7	54.6	55.5	58.5	48.2	53.4	68	39	48	48	49	92	81	78	.340	.346	.348	3.46	1.20	6.5	8.0	7.9	8.3
November	29.930	30.430	28.970	44.4	47.8	48.1	50.5	41.2	45.8	60	32	40	41	41	86	78	78	.250	.256	.258	3.81	.69	7.2	8.8	7.8	8.9
December	29.988	30.370	29.290	39.4	42.5	43.1	45.3	36.5	40.9	58	27	37	38	37	92	84	80	.226	.233	.227	5.04	1.61	6.2	7.7	6.7	8.2
Year	29.937	30.460	28.970	47.3	53.4	56.0	58.2	45.0	51.6	84	24	43	43	43	86	71	64	.289	.293	.285	29.21	1.61	6.2	6.6	6.4	6.9

SHERIDAN, WYO.

[ϕ=44° 48′ N.; λ=106° 57′ W.]

January	26.046	26.450	25.610	14.3	20.0	15.5	26.8	4.4	15.6	58	−32	10	11	11	81	67	81	0.084	0.084	0.087	2.21	0.67	6.7	5.9	6.1	7.3
February	26.024	25.514	25.500	17.1	29.1	25.4	36.1	10.1	23.1	58	−22	9	14	18	73	53	68	.075	.089	.100	.19	.07	5.3	5.5	6.7	6.8
March	26.040	26.610	25.540	28.1	47.3	44.2	51.3	23.5	37.4	72	−9	23	25	28	81	43	57	.128	.135	.138	3.22	1.74	5.2	5.3	5.5	5.4
April	26.088	26.540	25.671	30.9	42.8	42.1	47.4	27.1	37.2	70	5	28	28	30	83	57	66	.146	.166	.171	3.74	.85	6.7	7.2	6.7	7.2
May	26.032	26.306	25.770	43.3	58.5	57.5	62.9	38.4	50.6	85	28	36	34	36	76	46	51	.212	.202	.221	2.83	1.15	5.7	5.6	6.4	6.5
June	26.128	26.352	25.842	58.8	76.8	75.0	80.9	53.0	67.0	98	35	51	49	52	76	49	47	.384	.379	.414	1.27	.59	4.2	4.1	4.8	4.4
July	26.167	26.420	25.850	56.6	76.2	74.2	80.7	52.1	66.4	95	45	51	50	54	82	43	52	.377	.365	.421	1.78	.50	3.9	4.3	5.2	5.2
August	26.118	26.400	25.820	53.1	76.1	75.7	82.0	49.7	65.8	93	40	47	47	48	81	39	40	.330	.339	.347	.93	.36	3.6	3.3	3.1	4.2
September	26.224	26.480	25.887	44.6	62.9	61.3	68.1	41.8	55.0	88	31	41	43	45	88	52	59	.258	.279	.301	2.68	1.00	5.1	5.0	5.7	5.4
October	26.135	26.350	25.570	35.5	50.0	53.1	64.1	32.9	48.5	81	19	32	37	39	87	44	61	.185	.227	.247	.51	.18	3.9	4.9	4.0	4.8
November	26.101	26.630	25.516	22.6	37.6	32.0	41.8	16.9	29.4	68	−16	16	22	22	79	54	67	.095	.120	.120	.58	.28	3.9	5.3	4.8	4.8
December	26.102	26.450	25.700	23.6	35.7	29.7	40.0	16.0	26.0	63	−18	15	20	19	72	56	64	.092	.113	.107	.21	.08	5.1	5.3	4.6	4.6
Year	26.100	26.630	25.500	35.7	52.0	48.8	56.8	30.5	43.7	98	−32	30	32	34	80	50	59	.197	.207	.224	20.25	1.74	4.9	5.1	5.3	5.6

Annual meteorological summary for the year ending December 31, 1918—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.	Wind. By self-register. Prevailing direction.	Wind. By self-register. Maximum velocity.	Wind. By self-register. Direction at time of maximum velocity.	Wind. By self-register. Days with 40 miles and over.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. 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	12.2	W.	56	SW.	2	7	4	0	6	11	8	19	7	0	15	7	9	9	7	1	1	0	2	0	0	12	1	0
February	11.6	SW.	36	NW.	0	2	7	3	9	7	14	7	7	0	11	6	11	7	4	0	0	0	1	0	0	1	2	0
March	12.6	W.	32	SE.	0	3	10	11	4	9	10	10	5	0	8	13	10	8	7	0	0	0	3	0	0	0	3	0
April	11.9	W.	38	E.	0	5	5	8	7	11	10	12	2	0	9	9	12	12	10	0	0	0	1	0	0	0	4	0
May	10.5	SE.	27	S.	0	6	11	1	13	18	4	8	1	0	18	7	6	6	5	0	0	0	1	0	0	0	3	0
June	10.1	SE.	50	NW.	1	9	11	6	14	12	4	11	2	0	9	14	7	12	10	0	0	0	0	0	10	0	10	0
July	8.9	SW.	34	NW.	0	10	6	3	6	8	14	11	4	0	10	8	13	12	11	0	0	0	0	0	11	0	12	0
August	9.7	SW.	35	E.	0	5	10	3	1	16	14	9	4	0	13	8	10	12	10	0	0	0	0	0	17	0	12	0
September	8.5	NE.	31	NW.	0	8	20	6	11	7	3	3	2	0	15	5	10	9	8	0	0	0	1	0	2	0	6	0
October	10.7	NE.	33	E.	0	4	24	12	10	4	3	5	0	0	6	6	19	9	7	0	0	0	1	0	0	0	1	0
November	9.9	NE.	33	W.	0	12	13	6	5	4	3	11	6	0	17	3	10	9	8	0	0	0	1	0	0	0	1	0
December	12.3	W.	39	NW.	0	2	11	5	5	5	6	17	11	0	7	2	22	11	7	0	0	0	6	0	0	1	0	0
Year	10.7	NE.	56	SW.	3	64	132	64	91	112	93	123	51	0	138	88	139	116	94	1	1	1	17	0	40	14	55	0

SCRANTON, PA.

[H_b=805 ft.; h_t=111 ft.; h_r=102 ft.; h_a=119 ft.]

January	8.4	SW.	34	SW.	0	8	9	0	3	2	26	6	8	0	9	8	14	16	15	17	15	0	0	25	0	31	0	0
February	8.9	SW.	44	W.	1	7	7	1	2	4	20	4	11	0	5	12	11	9	5	9	5	0	2	10	0	25	0	0
March	8.0	SW.	37	NW.	0	10	9	0	2	4	20	2	15	0	14	8	9	10	7	7	6	0	0	0	0	20	1	0
April	7.7	SW.	30	SW.	0	10	15	3	4	4	15	2	7	0	7	9	14	14	14	5	5	0	0	0	0	9	1	0
May	7.3	SW.	37	SW.	0	7	3	2	4	9	23	3	10	1	6	9	16	18	14	0	0	0	0	0	0	0	10	0
June	6.9	SW.	33	SW.	0	6	4	2	9	6	14	9	9	1	9	11	10	12	9	0	0	0	0	0	1	0	7	0
July	5.5	SW.	27	SW.	0	8	9	1	0	5	15	5	15	4	8	11	12	12	10	0	0	0	0	0	4	0	9	0
August	4.7	SW.	27	NW.	0	11	9	1	4	9	21	3	3	1	14	11	6	12	10	0	0	0	0	0	7	0	8	0
September	5.4	N.	21	SW.	0	12	11	2	3	8	13	5	3	3	7	8	15	15	11	0	0	0	0	0	0	0	3	0
October	5.9	SW.	29	S.	0	13	10	0	3	12	12	5	5	2	9	9	13	14	12	0	0	0	1	2	0	0	3	0
November	6.8	SW.	29	S.	0	5	5	0	4	7	24	8	7	0	9	7	14	6	4	1	0	0	1	0	0	12	0	0
December	6.1	SW.	35	NW.	0	10	14	0	2	3	20	5	8	0	5	9	17	15	11	11	8	0	0	2	0	19	0	0
Year	6.8	SW.	44	W.	1	107	105	12	40	73	223	57	101	12	102	112	151	153	122	50	39	1	5	37	12	117	42	0

SEATTLE, WASH.

[H_b=125 ft.; h_t=215 ft.; h_r=209 ft.; h_a=250 ft.]

January	10.4	SE.	42	S.	1	9	4	2	18	22	6	0	1	0	1	5	25	19	15	0	0	0	2	0	0	2	0	0
February	10.6	SE.	40	S.	1	12	1	4	20	12	5	0	2	0	4	3	21	20	15	9	6	0	0	0	0	7	0	0
March	11.5	SE.	44	SW.	3	8	0	4	22	11	9	4	3	1	2	12	17	19	15	6	4	0	2	0	0	4	0	1
April	7.9	N.	40	S.	1	8	8	5	10	11	6	4	8	0	12	5	13	8	6	0	0	1	2	0	0	0	0	0
May	9.0	S.	34	SW.	0	5	5	5	13	12	12	6	4	0	3	13	15	12	8	0	0	1	2	0	0	0	2	0
June	8.4	N.	25	S.	0	12	14	0	8	6	6	7	5	2	8	17	5	4	2	0	0	0	0	0	0	0	1	0
July	8.2	N.	27	SW.	0	18	9	3	4	9	7	5	7	0	8	14	9	8	4	0	0	0	1	0	0	0	2	0
August	7.6	S.	36	SW.	0	6	9	1	13	9	6	6	12	0	8	13	10	8	6	0	0	0	2	0	0	0	2	0
September	5.1	N.	23	N.	0	27	6	1	4	6	2	5	6	3	13	9	8	1	1	0	0	0	5	0	0	0	0	0
October	8.9	S.	46	SW.	1	15	2	3	16	16	9	1	0	0	0	10	21	15	12	0	0	0	8	0	0	0	2	0
November	8.9	SE.	48	S.	4	4	4	6	24	14	2	1	4	1	1	4	25	18	13	0	0	0	1	0	0	0	0	0
December	10.2	SE.	42	S.	1	8	8	5	21	17	3	0	0	0	2	5	24	19	15	1	0	0	6	0	0	8	0	0
Year	8.9	S.	48	S.	12	132	70	39	173	145	73	39	52	7	62	110	193	151	112	16	10	2	31	0	0	21	9	1

SHERIDAN, WYO.

[H_b=3,790 ft.; h_t=10 ft.; h_r=3 ft.; h_a=47 ft.]

January	5.5	NW.	38	NW.	0	2	3	2	5	14	6	1	29	0	4	9	18	19	9	19	17	0	0	19	0	30	0	0
February	6.2	NW.	40	W.	1	1	5	5	4	9	8	3	21	0	7	8	13	7	1	11	7	0	0	9	0	27	0	0
March	5.2	NW	28	W.	0	3	5	4	9	19	5	1	16	0	10	9	12	7	7	4	3	0	0	2	0	23	0	1
April	7.4	NW.	38	NW.	0	0	4	5	9	7	7	3	25	0	3	9	18	18	14	15	12	0	1	3	0	22	0	0
May	6.2	NW.	39	NW.	0	1	4	9	5	13	8	2	20	0	5	9	17	16	11	3	3	0	0	0	0	4	6	0
June	4.9	NW.	36	SW.	0	1	4	7	9	17	9	2	11	0	11	12	7	11	7	0	0	0	0	0	4	0	10	0
July	4.6	NW.	37	NW.	0	1	2	9	8	20	7	3	12	0	11	10	10	11	8	0	0	0	0	0	5	0	9	0
August	5.1	NW.	38	SW.	0	5	1	6	8	12	9	4	17	0	15	12	4	8	6	0	0	1	0	0	5	0	6	0
September	4.4	NW.	26	SW.	0	1	7	8	2	15	8	3	14	2	11	6	13	14	11	0	0	0	0	0	0	1	2	0
October	4.4	S.	38	NW.	0	1	2	3	8	23	12	3	10	0	15	5	11	6	5	1	0	0	0	0	0	12	1	2
November	5.3	NW.	38	NW.	0	1	3	2	7	20	5	0	22	0	14	5	11	6	5	8	5	0	1	4	0	30	0	0
December	5.2	NW.	39	NW.	0	1	2	3	4	17	11	1	23	0	13	7	11	5	2	9	4	0	2	7	0	30	0	0
Year	5.4	NW.	40	W.	1	18	42	63	78	186	95	26	220	2	119	101	145	128	86	70	51	1	4	44	14	179	34	3

Annual meteorological summary for the year ending December 31, 1918—Continued.

SHREVEPORT, LA.

[ϕ=32° 30′ N.; λ=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.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	29.738	30.120	29.110	32.0	41.9	41.5	48.5	27.9	38.2	73	2	26	28	29	78	60	62	0.160	0.169	0.168	2.07	0.63	4.8	4.5	3.7	4.5
February	29.851	30.400	29.370	47.6	59.0	59.3	65.4	44.8	55.1	89	27	41	44	43	79	59	57	.293	.315	.300	.16	.08	5.9	5.2	4.9	5.5
March	29.776	30.220	29.439	54.5	67.3	67.8	73.5	51.5	62.5	88	38	48	49	47	80	55	50	.361	.375	.342	1.14	.84	5.9	4.4	4.2	5.1
April	29.672	30.150	29.387	56.8	68.8	68.7	73.5	54.1	63.8	88	40	50	51	51	80	56	56	.394	.400	.408	5.28	2.17	4.1	4.2	5.1	4.3
May	29.763	30.160	29.360	68.0	79.9	80.5	85.1	65.3	75.2	92	49	63	62	61	83	54	53	.588	.560	.548	1.49	.91	5.1	2.6	2.5	3.4
June	29.674	29.910	29.442	76.7	88.3	88.2	94.2	73.1	83.6	103	68	70	70	68	80	56	54	.733	.730	.694	2.13	1.76	3.1	2.8	3.6	3.3
July	29.738	29.949	29.480	75.1	90.9	91.2	96.0	72.5	84.2	102	66	64	62	61	70	39	38	.608	.558	.536	T.	T.	1.5	1.7	2.3	2.1
August	29.752	29.960	29.490	75.1	88.4	85.4	93.7	73.2	83.4	102	68	70	70	68	86	56	59	.748	.730	.687	2.23	.74	3.8	3.0	4.0	3.6
September	29.773	30.160	29.500	63.4	78.5	76.7	83.4	61.0	72.2	97	46	57	57	58	80	52	55	.492	.496	.499	.36	.19	3.2	3.3	2.4	3.4
October	29.728	30.020	29.342	62.4	73.9	70.8	76.9	60.7	68.8	91	40	58	59	60	87	64	71	.506	.532	.539	4.25	1.66	5.8	5.5	5.1	5.9
November	29.841	30.130	29.302	46.9	58.7	56.6	62.7	45.5	54.1	80	30	42	43	43	83	59	64	.285	.302	.305	4.13	1.18	5.1	4.3	3.7	4.9
December	29.837	30.120	29.430	45.5	56.8	55.6	61.4	42.5	52.0	77	23	41	42	42	84	61	63	.285	.304	.296	3.09	1.31	5.2	4.7	3.5	5.0
Year	29.762	30.400	29.110	58.7	71.0	70.2	76.2	56.0	66.1	103	2	52	53	53	81	56	57	.454	.467	.444	26.33	2.17	4.5	3.8	3.8	4.2

SIOUX CITY, IOWA.

[ϕ=42° 29′ N.; λ=96° 24′ W.]

January	28.791	29.450	28.290	4.8	11.2	11.2	17.2	−0.8	8.2	48	−26	2	6	7	80	80	83	0.054	0.067	0.069	1.37	0.64	5.7	6.9	3.5	5.9
February	28.797	29.700	27.980	16.7	27.1	26.3	33.8	12.2	23.0	60	−20	13	18	20	84	71	76	.095	.114	.123	.84	.62	5.4	5.1	4.9	4.6
March	28.780	29.420	28.062	34.4	49.8	50.4	56.9	31.0	44.0	81	12	28	32	32	79	54	52	.157	.192	.183	.55	.35	5.5	4.3	4.7	4.5
April	28.784	29.440	28.200	37.9	50.3	51.4	55.1	35.9	45.5	67	23	29	32	32	70	52	51	.162	.188	.192	1.55	.52	6.6	5.4	5.6	5.4
May	28.658	29.090	27.959	57.8	70.2	70.5	75.9	54.0	65.0	92	35	50	56	53	77	63	57	.381	.479	.427	5.22	1.37	5.3	6.3	5.9	5.4
June	28.735	29.100	28.380	65.1	77.6	78.7	82.7	61.4	72.0	96	49	59	64	66	82	65	65	.515	.620	.645	4.27	1.88	4.2	3.4	4.4	3.9
July	28.805	29.050	28.494	67.2	79.7	80.8	85.0	64.2	74.6	97	53	62	67	66	85	67	65	.589	.659	.649	2.08	.72	4.6	5.2	5.6	4.9
August	28.735	28.990	28.422	67.9	80.0	81.9	86.0	65.6	75.8	97	49	62	65	67	83	62	63	.571	.633	.678	2.64	1.57	5.1	4.7	3.8	4.5
September	28.877	29.190	28.598	49.1	65.6	64.6	70.8	47.1	59.0	85	29	43	47	46	81	54	53	.292	.342	.327	.52	.34	4.1	4.8	5.3	4.5
October	28.806	29.121	28.170	46.5	59.1	57.5	63.1	44.9	54.0	87	28	40	43	42	80	60	62	.258	.293	.281	2.65	.89	5.7	6.5	5.7	5.9
November	28.788	29.400	28.162	34.2	42.1	41.0	46.4	31.5	39.0	65	13	31	33	34	87	72	77	.185	.205	.214	2.38	.95	5.6	5.8	4.7	5.5
December	28.771	29.200	28.090	28.7	35.4	33.0	39.6	24.8	32.2	60	− 4	24	26	26	82	71	76	.136	.150	.148	1.34	.60	6.7	6.9	6.3	6.9
Year	28.777	29.700	27.959	42.5	54.0	53.9	59.4	39.2	49.4	97	−26	37	41	41	81	64	65	.281	.328	.328	25.41	1.86	5.4	5.4	5.0	5.2

SPOKANE, WASH.

[ϕ=47° 40′ N.; λ=117° 25′ W.]

January	28.001	28.410	27.452	29.5	32.6	34.3	36.6	26.6	31.6	62	3	27	24	28	90	80	77	0.154	0.155	0.159	1.66	0.56	6.8	7.7	8.4	8.3
February	27.923	28.380	27.350	27.5	34.7	35.8	38.1	25.0	31.6	53	6	22	23	26	78	69	68	.124	.142	.146	1.38	.40	7.4	6.9	7.8	7.5
March	27.910	28.480	27.510	34.8	47.2	48.7	51.3	34.6	43.0	68	24	31	31	30	79	55	50	.173	.177	.168	.75	.32	6.1	8.3	7.7	7.5
April	27.953	28.490	27.541	33.5	56.7	59.7	61.8	37.8	49.8	76	22	27	27	24	62	34	26	.151	.153	.130	.18	.10	3.1	5.3	4.8	4.4
May	27.904	28.100	27.602	44.1	59.8	62.1	64.4	42.7	53.6	83	38	33	31	29	66	35	33	.189	.175	.163	.93	.45	5.8	6.4	7.3	6.5
June	27.919	28.130	27.606	55.8	76.2	80.0	81.9	54.5	68.2	93	40	42	41	36	61	30	22	.274	.273	.226	.43	.38	4.2	4.8	5.4	4.8
July	27.912	28.140	27.705	59.5	79.0	82.8	84.7	58.6	71.6	101	48	45	45	40	60	33	25	.302	.305	.281	.17	.13	5.1	5.1	6.4	5.3
August	27.952	28.200	27.665	55.1	72.8	75.3	78.4	53.4	65.9	94	44	44	44	42	67	39	34	.291	.298	.271	.55	.18	4.4	5.8	5.9	5.5
September	27.987	28.280	27.751	53.5	73.2	76.7	78.5	51.1	64.8	89	37	44	49	42	71	44	32	.291	.352	.267	.24	.18	3.0	4.0	4.3	3.9
October	27.998	28.245	27.360	46.0	57.2	59.0	61.7	43.1	52.4	77	30	41	42	41	83	59	52	.262	.280	.262	1.31	.46	5.1	7.9	7.1	7.5
November	28.010	28.400	27.220	34.7	41.4	42.3	44.8	32.2	38.5	55	17	30	34	32	84	74	69	.172	.195	.186	1.43	.40	5.2	7.8	6.5	7.3
December	28.070	28.470	27.490	30.6	34.0	34.4	36.8	27.2	32.0	55	5	25	28	28	80	78	76	.140	.158	.156	.89	.29	7.4	8.3	8.0	8.6
Year	27.962	28.490	27.220	42.7	55.4	57.6	59.9	40.6	50.2	101	3	34	35	33	73	52	47	.210	.222	.200	9.92	.56	5.3	6.5	6.6	6.4

SPRINGFIELD, ILL.

[ϕ=39° 48′ N.; λ=89° 39′ W.]

January	29.261	29.820	28.620	9.8	16.2	15.7	21.4	5.8	13.6	39	−20	7	9	10	86	71	75	0.061	0.065	0.067	1.88	0.94	5.6	6.7	6.5	6.2
February	29.369	30.220	28.500	26.2	35.3	32.6	40.5	21.2	30.8	68	−10	22	24	24	82	65	70	.140	.159	.144	1.71	.98	4.8	5.1	5.4	5.2
March	29.350	29.920	28.610	38.8	54.7	52.5	61.8	36.0	48.9	83	21	32	33	34	75	47	51	.186	.202	.204	.63	.20	4.9	3.6	4.7	4.4
April	29.299	29.920	28.850	42.7	51.9	51.1	56.1	39.4	47.8	78	27	37	38	38	79	62	62	.228	.242	.234	5.19	1.28	7.3	6.9	7.0	6.9
May	29.306	29.750	28.670	62.8	75.5	71.5	78.9	58.3	68.6	90	37	56	57	59	78	54	66	.488	.487	.521	5.16	2.26	5.7	5.8	4.3	5.0
June	29.258	29.522	28.900	68.4	79.1	78.6	84.6	62.9	73.8	100	52	59	60	60	72	55	55	.512	.535	.544	3.81	1.85	6.4	6.5	4.5	5.6
July	29.351	29.560	29.200	68.8	81.2	79.9	85.5	64.5	75.0	101	54	61	60	61	77	51	54	.550	.541	.549	3.00	2.19	4.7	4.4	4.7	5.0
August	29.307	29.530	29.080	72.0	85.6	82.2	90.5	69.7	80.1	106	57	65	66	67	80	56	63	.624	.660	.674	3.46	1.32	6.2	5.1	6.3	6.0
September	29.398	29.790	29.070	52.9	66.3	62.7	70.1	50.6	60.4	81	37	49	47	51	86	53	66	.355	.307	.388	4.71	2.18	4.8	5.6	5.6	5.3
October	29.361	29.700	28.740	51.6	63.8	60.1	67.4	49.5	58.4	86	35	46	48	49	82	60	69	.323	.352	.362	2.79	1.53	6.5	6.0	5.5	6.0
November	29.374	29.800	28.460	38.6	47.1	44.6	50.1	36.4	43.2	70	23	33	35	35	80	64	69	.198	.216	.213	2.29	.80	6.1	5.3	5.4	5.6
December	29.345	29.770	28.801	35.1	42.2	40.8	46.2	32.1	39.2	69	12	32	35	35	88	75	80	.191	.217	.216	2.45	.75	5.8	7.3	7.4	6.9
Year	29.332	30.220	28.460	47.3	58.2	56.0	62.8	43.9	53.3	106	−20	42	43	44	80	59	65	.320	.332	.343	37.06	2.26	5.7	5.7	5.6	5.7

Annual meteorological summary for the year ending December 31, 1918—Continued.

SHREVEPORT, LA.

[H_b=249 ft.; h_s=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.	Auroras.
	Miles.	*	*Mi.*																									
January	9.2	SE.	32	SE.	0	5	7	2	13	8	3	12	12	0	16	3	12	5	5	4	2	0	0	4	0	23	1	0
February	8.9	S.	29	SE.	0	5	7	3	9	13	7	3	9	0	12	5	11	3	2	0	0	0	1	0	0	3	0	0
March	7.8	S.	25	SW.	0	14	5	5	10	17	5	2	4	0	11	10	10	6	3	0	0	0	1	0	0	0	2	0
April	8.5	SE.	36	W.	0	9	5	2	14	11	2	4	13	0	14	8	8	13	13	0	0	0	0	0	0	0	12	0
May	8.0	S.	26	S.	0	0	3	7	17	29	2	0	4	0	18	11	2	3	3	0	0	0	0	0	8	0	4	0
June	6.0	S.	33	NE.	0	2	8	10	9	12	12	4	3	0	20	6	4	7	3	0	0	0	0	0	23	0	7	0
July	6.2	NE.	30	SE.	0	5	18	11	5	14	7	0	2	0	26	3	2	0	0	0	0	0	0	0	27	0	5	0
August	6.4	S.	38	SE.	0	0	1	8	20	25	7	1	0	0	17	12	2	12	8	0	0	0	0	0	25	0	9	0
September	6.5	NE.	30	W.	0	11	12	7	10	8	3	1	8	0	20	5	5	7	3	0	0	0	0	0	9	0	1	0
October	6.1	N.	24	SE.	0	14	8	8	11	7	4	6	4	0	11	5	15	11	6	0	0	0	0	0	3	0	3	0
November	7.7	SE.	32	SE.	0	10	9	1	20	5	3	6	6	0	14	5	11	9	6	0	0	0	0	0	0	1	3	0
December	7.4	S.	34	NW.	0	2	2	7	9	13	7	13	8	1	13	5	13	6	5	0	0	0	0	0	0	5	1	0
Year	7.4	S.	38	SE.	0	77	85	71	147	162	62	52	73	1	192	78	95	82	57	4	2	0	2	4	95	32	48	0

SIOUX CITY, IOWA.

[H_b=1,135 ft.; h_s=94 ft.; h_r=86 ft.; h_a=164 ft.]

January	13.6	NW.	46	NW.	3	13	7	0	3	4	2	3	30	0	8	8	15	10	7	15	10	0	0	23	0	31	0	0
February	12.3	NW.	51	NW.	3	6	3	2	9	11	4	2	19	0	12	9	7	3	3	5	3	0	0	9	0	24	0	0
March	13.0	S.	48	N.	1	10	7	11	5	18	2	2	6	1	12	12	7	4	3	3	3	0	0	1	0	15	0	1
April	14.7	SE.	59	NW.	3	4	14	1	14	9	1	6	11	0	11	8	11	7	6	1	0	0	0	0	0	5	1	0
May	15.4	S.	60	N.	7	6	9	8	7	21	2	4	5	0	9	14	8	12	10	0	0	0	0	0	2	0	8	0
June	10.7	N.	45	NE.	2	9	9	6	10	3	4	10	0	15	10	5	13	12	0	0	0	2	0	0	6	0	12	0
July	9.3	S.	41	S.	1	8	6	11	13	11	2	6	5	0	12	12	7	8	7	0	0	0	1	0	9	0	4	0
August	9.7	SE.	51	S.	2	5	12	14	14	3	2	4	6	2	9	17	5	9	8	0	0	0	0	0	9	0	10	0
September	7.8	N.	34	NW.	0	15	5	5	11	5	1	6	9	3	14	6	10	8	4	0	0	0	1	0	0	1	1	0
October	11.2	NW.	36	S.	0	8	8	4	9	10	2	5	16	0	9	9	13	12	10	4	4	0	1	0	0	5	1	0
November	12.4	NW.	49	NW.	3	6	0	0	16	10	3	4	20	1	11	6	13	10	8	6	4	0	3	3	0	13	0	0
December	12.3	NW.	49	NW.	1	9	3	6	11	8	1	9	15	0	4	9	18	10	6	8	4	0	1	7	0	20	1	0
Year	11.9	NW.	60	N.	26	99	83	71	118	120	25	55	152	7	126	120	119	106	84	42	28	2	7	43	26	114	38	1

SPOKANE, WASH.

[H_b=1,929 ft.; h_s=101 ft.; h_r=94 ft.; h_a=110 ft.]

January	5.5	SW.	34	SW.	0	4	11	2	6	2	23	7	7	0	4	4	23	16	11	14	9	0	5	7	0	24	0	0
February	7.3	SW.	32	SW.	0	3	10	7	5	6	19	4	2	0	3	7	18	13	9	13	10	0	0	8	0	19	0	0
March	7.8	SW.	36	SW.	0	3	1	4	4	10	28	8	4	0	3	9	19	8	6	4	1	0	1	0	0	9	0	0
April	6.0	SW.	29	NW.	0	8	9	5	2	7	17	3	9	0	12	12	6	6	2	4	4	0	0	0	0	6	0	0
May	8.4	SW.	30	SW.	0	4	8	3	2	11	26	4	4	0	6	11	14	6	4	0	0	0	0	0	0	0	1	0
June	6.2	SW.	28	S.	0	5	8	6	4	7	14	8	8	0	10	12	8	3	1	0	0	0	0	0	8	0	2	0
July	5.6	SW.	38	SW.	0	6	7	10	3	8	14	6	8	0	11	10	10	4	1	0	0	0	0	0	10	0	2	0
August	6.0	SW.	27	NW.	0	4	7	4	4	16	15	5	7	0	12	6	13	8	6	0	0	0	1	0	3	0	2	0
September	4.2	NE.	25	NE.	0	4	21	12	5	4	10	1	1	2	15	8	7	2	2	0	0	0	0	0	0	0	0	0
October	6.1	SW.	31	SW.	0	3	8	4	4	9	24	7	2	1	0	15	16	9	7	0	0	0	1	0	0	2	0	0
November	5.8	SW.	33	SW.	0	1	12	12	2	15	11	6	1	0	4	6	20	10	8	1	1	0	4	1	0	11	0	0
December	5.9	SW.	30	SW.	0	7	8	2	2	9	22	3	9	0	2	5	24	10	7	10	5	0	3	11	0	22	0	0
Year	6.2	SW.	38	SW.	0	52	110	71	43	104	223	62	62	3	82	105	178	95	64	46	30	0	15	27	21	93	7	0

SPRINGFIELD, ILL.

[H_b=636 ft.; h_s=10 ft.; h_r=4 ft.; h_a=91 ft.]

January	9.8	W.	30	NW.	0	4	7	2	5	6	11	13	14	0	7	9	15	11	6	21	10	0	0	27	0	31	0	0
February	11.0	S.	44	SW.	1	1	4	2	8	15	11	3	12	0	12	4	12	8	4	6	3	0	3	9	0	22	1	0
March	9.7	S.	50	SW.	1	2	6	9	7	14	9	4	11	0	15	7	9	7	4	2	0	0	0	0	0	11	3	1
April	10.1	NE.	26	SW.	0	6	16	8	4	4	7	7	8	0	3	13	14	14	11	0	0	0	1	1	0	3	4	0
May	9.1	S.	31	NW.	0	2	6	4	8	24	12	3	3	0	10	13	8	11	9	0	0	0	1	0	0	3	6	0
June	7.3	S.	27	SW.	0	5	8	9	10	9	11	0	8	0	8	14	8	10	9	0	0	0	0	0	0	6	8	0
July	6.4	S.	22	NE.	0	6	10	6	8	9	10	7	6	0	9	15	7	9	7	0	0	0	0	0	0	10	5	0
August	6.6	S.	22	W.	0	7	6	9	8	15	9	6	2	0	8	15	8	11	11	0	0	0	0	0	15	0	9	0
September	6.6	S.	24	NW.	0	8	4	2	5	13	7	9	12	0	11	9	10	9	7	1	0	0	1	0	0	4	0	0
October	7.8	S.	33	SE.	0	2	11	6	7	14	4	7	10	1	9	7	15	7	7	0	0	0	1	0	0	0	0	0
November	9.0	W.	35	SW.	0	1	2	3	12	7	7	16	12	0	11	6	13	8	7	5	0	0	1	1	0	10	0	0
December	8.5	SE.	28	NW.	0	4	2	5	14	10	9	11	7	0	6	7	18	12	9	6	4	0	0	4	0	15	0	0
Year	8.5	S.	50	SW.	2	48	82	65	96	140	107	86	105	1	109	119	137	117	91	41	17	1	8	41	34	92	40	1

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1918—Continued.

SPRINGFIELD, MO.

[ϕ=37° 12′ N.; λ=93° 18′ W.]

Month.	Pressure.			Temperature.								Moisture.														
		Extremes.		Mean.					Extremes.			Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	28.551	29.030	28.100	14.7	21.3	20.5	27.0	9.8	18.4	55	−19	13	16	15	92	80	78	0.083	0.095	0.089	1.96	0.69	5.4	4.7	4.5	4.0
February	28.653	29.320	28.050	32.4	40.0	41.4	49.2	26.0	37.6	72	1	28	31	32	85	68	69	.179	.195	.195	.64	.49	4.6	3.2	4.0	2.6
March	28.613	29.110	28.110	44.9	56.5	57.0	63.8	41.5	52.6	82	22	35	38	37	72	55	51	.219	.243	.238	1.33	.53	3.8	3.8	4.6	3.2
April	28.535	29.090	28.140	45.2	54.0	55.9	60.8	42.7	51.8	86	30	38	38	41	78	60	60	.243	.245	.272	4.25	1.16	5.5	4.4	4.2	3.4
May	28.589	29.000	28.160	62.8	73.5	72.3	77.6	59.5	68.6	89	39	56	55	58	78	55	64	.467	.462	.509	4.19	1.88	4.9	4.7	4.9	2.9
June	28.569	28.790	28.300	70.6	81.7	81.3	86.4	67.5	77.0	99	61	63	62	65	77	55	60	.577	.573	.621	3.61	1.26	4.7	4.0	3.3	2.6
July	28.652	28.820	28.490	69.6	81.4	81.2	85.9	66.6	76.2	99	57	59	58	62	70	45	54	.507	.464	.557	1.11	.51	4.5	3.6	4.3	3.6
August	28.623	28.820	28.478	72.7	86.2	82.6	90.3	69.8	80.0	101	57	62	62	62	71	48	56	.563	.570	.563	3.12	1.14	4.5	4.6	4.8	3.8
September	28.674	28.990	28.330	56.3	67.5	66.0	72.2	53.4	62.8	89	39	50	53	52	79	62	62	.369	.419	.396	4.82	1.54	3.9	4.3	4.2	3.9
October	28.627	28.930	28.070	55.1	65.6	63.4	69.7	53.5	61.6	85	33	50	52	51	84	63	67	.375	.396	.395	2.72	1.04	5.3	5.7	5.7	5.7
November	28.665	29.040	28.000	39.6	48.5	47.2	52.5	38.1	45.3	73	25	35	37	38	84	66	73	.213	.232	.249	3.90	1.67	5.2	4.5	4.7	4.3
December	28.627	28.940	28.250	37.0	44.8	42.5	49.1	33.5	41.3	68	9	33	34	34	86	69	73	.199	.206	.202	2.97	1.29	4.6	5.2	5.1	4.9
Year	28.615	29.320	28.000	50.1	60.1	59.3	65.4	46.8	56.1	101	−19	44	44	46	80	60	64	.333	.342	.357	34.62	1.88	4.7	4.4	4.5	3.7

SYRACUSE, N. Y.

[ϕ=43° 02′ N.; λ=76° 10′ W.]

January	29.234	29.810	28.230	11.6	15.0	14.4	21.0	7.5	14.2	42	− 9	9	10	10	90	80	82	0.069	0.069	0.070	3.60	1.33	8.5	6.7	6.4	7.1
February	29.361	30.040	28.280	19.6	24.3	....	33.9	12.5	23.2	54	−19	15	18	....	80	77	....	.096	.111	.....	2.02	.44	7.6	7.9	6.5	7.3
March	29.357	29.822	28.760	30.8	37.2	....	44.8	25.9	35.4	72	7	23	24	....	74	62	....	.128	.139	.....	1.86	.59	6.0	5.6	5.2	5.6
April	29.418	29.810	28.910	41.3	48.8	....	54.3	36.7	45.5	73	22	30	30	....	67	50	....	.174	.178	.....	2.73	.74	6.9	5.9	5.9	5.8
May	29.410	29.848	28.810	59.0	65.4	....	71.6	51.9	61.9	83	36	49	50	....	70	60	....	.361	.389	.....	3.35	.62	7.0	6.0	5.7	6.0
June	29.305	29.649	28.747	70.2	76.9	....	71.1	52.9	62.0	88	40	52	51	....	74	59	....	.393	.390	.....	4.22	1.15	5.5	4.7	5.1	5.0
July	29.362	29.660	29.050	66.5	74.4	....	78.0	60.7	69.4	92	49	61	60	....	84	62	....	.547	.527	.....	2.22	.53	5.8	4.7	5.5	5.2
August	29.404	29.870	29.120	68.4	76.9	....	80.6	61.4	71.0	96	46	60	60	....	76	58	....	.535	.542	.....	1.45	.79	4.8	3.8	4.3	4.1
September	29.377	29.780	29.060	54.0	60.2	....	63.7	48.8	56.2	79	36	48	51	....	83	73	....	.349	.382	.....	4.34	1.06	7.1	7.1	5.9	6.7
October	29.458	29.916	28.965	49.9	57.8	....	61.2	45.2	53.2	75	33	43	48	....	78	72	....	.292	.349	.....	3.56	1.01	6.3	6.0	5.2	6.0
November	29.378	29.920	28.600	39.1	43.9	....	47.7	35.8	41.8	63	17	34	37	....	83	76	....	.207	.227	.....	1.18	.31	7.6	7.9	7.1	7.7
December	29.439	30.030	28.900	30.7	34.5	....	39.5	25.7	32.6	57	12	26	28	....	80	77	....	.144	.158	.....	2.26	.51	7.6	8.5	7.1	8.0
Year	29.375	30.040	28.230	44.3	50.4	....	55.6	38.8	47.2	96	−19	38	39	....	78	67	....	.275	.288	.....	32.79	1.33	6.7	6.2	5.8	6.2

TACOMA, WASH.

[ϕ=47° 16′ N.; λ=122° 23′ W.]

January	29.890	30.280	29.180	41.9	45.7	46.0	48.1	39.1	43.6	63	22	38	40	40	88	80	81	0.241	0.254	0.258	4.14	0.88	6.9	8.8	7.8	8.2
February	29.765	30.120	29.020	38.2	43.2	43.3	46.0	34.8	40.4	58	25	32	33	35	78	68	74	.183	.191	.208	5.75	1.66	5.9	8.1	8.1	8.2
March	29.779	30.210	29.260	40.6	47.1	48.7	50.8	37.8	44.3	72	28	35	37	37	82	68	67	.212	.223	.201	3.82	1.10	6.5	8.7	7.8	7.7
April	29.873	30.350	29.470	42.4	53.5	53.1	59.4	39.6	49.5	72	30	38	38	37	86	60	51	.235	.238	.225	1.13	.71	5.0	5.6	4.8	5.4
May	29.960	30.080	29.630	46.1	56.4	59.2	61.8	44.4	53.1	76	40	42	41	39	86	59	52	.268	.264	.246	1.23	.44	6.0	6.6	7.0	6.8
June	29.821	30.160	29.470	53.1	65.8	70.3	71.7	51.4	61.6	84	42	46	46	46	78	51	43	.315	.316	.313	.39	.35	5.8	5.7	5.0	5.5
July	29.798	30.030	29.570	55.6	66.4	71.1	73.5	54.0	63.8	83	47	51	52	51	84	61	51	.361	.391	.378	.75	.44	6.5	6.8	6.1	6.7
August	29.842	30.080	29.510	55.5	66.0	69.2	71.5	53.8	62.6	86	47	52	53	52	89	63	56	.389	.399	.393	.69	.23	6.0	5.7	4.8	6.0
September	29.801	30.090	29.626	54.1	66.2	70.6	72.0	52.0	62.0	83	43	50	50	51	86	58	51	.358	.361	.374	.45	.45	3.7	6.0	6.5	6.2
October	29.859	30.120	29.160	49.9	55.6	56.5	59.0	47.4	53.2	66	34	47	49	48	91	78	76	.329	.347	.346	4.93	1.61	5.8	8.7	7.8	7.8
November	29.819	30.309	28.840	42.7	48.1	48.7	51.2	39.8	45.5	58	30	40	43	42	91	83	80	.251	.275	.272	3.76	.66	6.5	8.4	7.7	7.9
December	29.884	30.270	29.170	38.9	42.1	42.8	45.5	35.4	40.4	60	25	37	39	40	94	90	89	.227	.247	.250	7.29	2.19	7.3	9.1	8.1	8.6
Year	29.833	30.350	28.840	46.6	54.7	57.0	59.2	44.1	51.7	86	22	42	44	43	86	68	64	.281	.292	.296	34.33	2.19	6.0	7.4	6.8	7.1

TAMPA, FLA.

[ϕ=27° 57′ N.; λ=82° 27′ W.]

January	29.997	30.320	29.553	50.1	61.1	57.2	65.6	46.8	56.2	80	31	45	46	49	83	59	74	0.325	0.363	0.376	3.00	1.54	5.1	4.6	3.5	5.0
February	30.137	30.450	29.910	61.1	73.0	67.7	77.4	59.3	68.4	85	42	56	57	58	86	59	73	.480	.494	.512	.08	.04	3.0	4.5	3.2	4.1
March	30.021	30.310	29.820	66.0	77.5	71.1	80.4	63.2	71.8	87	56	60	59	61	83	54	71	.533	.509	.546	.91	.60	3.7	5.7	4.0	4.5
April	29.945	30.130	29.770	67.3	77.0	70.7	79.8	62.7	71.2	87	46	60	58	60	78	52	70	.540	.499	.534	1.89	.99	4.8	4.8	4.2	5.0
May	30.060	30.230	29.900	72.9	82.7	76.6	86.1	66.8	76.4	91	59	64	60	62	75	46	62	.611	.523	.569	2.15	1.37	3.7	6.6	5.8	5.5
June	29.920	30.090	29.710	78.8	85.8	81.3	89.8	73.4	81.6	98	68	70	67	70	75	55	69	.741	.670	.737	1.26	.76	5.2	7.3	6.9	6.5
July	29.989	30.210	29.800	78.9	86.0	81.0	89.4	73.6	81.5	95	70	71	68	70	78	56	70	.768	.696	.733	4.88	1.72	4.8	7.3	6.9	6.6
August	30.028	30.170	29.790	78.8	88.2	80.0	92.2	72.8	82.5	97	70	72	69	70	80	54	74	.782	.710	.746	8.11	1.86	3.5	6.1	7.8	6.0
September	29.940	30.110	29.680	75.3	84.6	78.3	87.7	71.1	79.4	93	65	69	67	68	82	57	72	.716	.663	.691	5.39	2.06	4.1	6.7	5.8	5.8
October	29.960	30.140	29.780	71.2	83.6	76.6	85.9	69.9	77.9	91	63	69	67	68	87	58	77	.715	.664	.700	2.88	.97	5.4	7.2	5.4	6.9
November	30.018	30.200	29.800	61.1	68.9	67.4	76.4	58.0	67.2	83	48	54	54	56	79	53	69	.442	.441	.471	3.07	2.44	4.4	5.3	4.2	4.8
December	30.097	30.340	29.780	57.4	67.7	63.3	70.6	54.7	62.6	81	38	51	52	53	81	60	72	.401	.428	.440	2.19	.65	6.3	6.5	5.6	6.6
Year	30.009	30.450	29.553	68.2	77.8	72.6	81.8	64.4	73.1	98	31	62	60	62	81	55	71	.588	.553	.588	35.81	2.44	4.5	6.0	5.3	5.6

Annual meteorological summary for the year ending December 31, 1918—Continued.

SPRINGFIELD, MO.

[H_b=1,324 ft.; h_t=98 ft.; h_r=66 ft.; h_a=104 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.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. 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	W.	32	N.	0	8	5	5	10	4	5	12	13	0	19	3	9	11	10	14	11	0	0	23	0	30	0	0
February	13.3	S.	46	W.	2	3	0	3	9	10	10	4	11	0	19	6	3	4	4	2	0	0	0	5	0	18	0	0
March	11.6	S.	56	W.	1	6	6	5	12	15	8	6	4	0	21	6	4	9	7	0	0	0	0	0	0	7	4	1
April	11.9	NE.	42	SE.	2	6	13	10	7	5	4	8	7	0	19	5	6	14	12	2	1	3	0	0	0	4	5	0
May	11.4	S.	46	W.	1	1	0	6	19	25	5	3	3	0	18	11	2	10	8	0	0	1	0	0	0	0	8	0
June	8.7	S.	32	W.	0	5	3	7	15	16	6	8	0	0	20	8	2	10	8	0	0	0	0	0	11	0	11	0
July	7.9	SE.	23	N.	0	6	9	9	15	19	1	2	1	0	17	10	4	10	6	0	0	0	0	0	7	0	4	0
August	9.1	S.	58	NW.	3	2	5	3	18	21	9	2	2	0	15	11	5	9	8	0	0	1	1	0	19	0	9	0
September	8.8	SE.	31	S.	0	12	9	4	20	5	3	3	4	0	14	8	8	8	7	0	0	0	0	0	0	0	5	0
October	9.8	SE.	32	SW.	0	3	10	8	19	9	3	2	8	0	11	8	12	12	10	1	0	0	0	0	0	0	1	0
November	10.9	SE.	44	NW.	1	9	6	2	19	4	4	9	7	0	15	6	9	10	9	3	1	1	1	3	0	11	0	0
December	11.3	SE.	31	W.	0	2	2	2	15	9	11	10	11	0	16	3	12	10	6	4	4	0	0	6	0	12	0	0
Year	10.5	SE.	58	NW.	10	63	74	64	178	142	69	69	71	0	204	85	76	117	95	26	17	6	2	37	37	82	47	1

SYRACUSE, N, Y.

[H_b=597 ft.; h_t=97 ft.; h_r=65 ft.; h_a=113 ft.]

January	12.3	W.	39	W.	0	4	2	6	2	8	15	17	8	0	3	13	15	17	13	24	15	0	0	28	0	31	0	1
February	15.4	S.	56	W.	7	1	2	2	1	22	6	11	11	0	3	11	14	19	15	17	15	0	0	12	0	25	0	0
March	10.2	NW.	52	NW.	2	0	3	4	2	11	7	12	23	0	8	14	9	13	9	13	10	0	0	5	0	23	1	1
April	11.0	NW.	39	NW.	0	8	4	7	3	10	7	8	13	0	7	15	8	12	9	5	3	0	0	0	0	13	2	1
May	11.0	S.	43	W.	1	4	4	2	0	22	4	15	11	0	5	15	11	16	11	0	0	0	1	0	0	0	10	0
June	11.3	S.	43	NW.	3	5	2	7	7	10	5	16	8	0	12	10	8	12	10	0	0	0	0	0	0	0	6	0
July	8.8	S.	33	S.	0	6	1	3	3	15	13	14	7	0	10	15	6	11	8	0	0	0	0	0	5	0	6	0
August	8.9	S.	34	S.	0	4	6	8	3	14	12	5	10	0	16	13	2	9	8	0	0	0	0	0	4	0	7	0
September	10.3	S.	38	SW.	0	2	2	4	5	11	12	17	7	0	3	15	12	19	12	0	0	0	1	0	0	0	2	0
October	10.5	S.	40	S.	1	3	1	3	12	23	9	8	3	0	8	9	14	13	9	0	0	0	1	0	0	0	4	0
November	12.6	W.	49	S.	2	4	0	4	4	19	10	13	6	0	5	4	21	15	10	9	5	0	0	1	0	11	1	0
December	10.9	S.	48	NW.	2	3	3	3	10	16	4	13	10	0	2	7	22	16	13	14	8	0	0	7	0	24	0	0
Year	11.1	S.	56	W.	18	44	30	53	52	181	104	149	117	0	82	141	142	172	127	82	56	0	3	53	9	127	39	3

TACOMA, WASH.

[H_b=213 ft.; h_t=113 ft.; h_r=104 ft.; h_a=120 ft.]

January	7.1	SW.	30	SW.	0	6	3	2	10	4	34	3	0	0	2	6	23	16	11	1	0	0	0	0	0	3	0	0
February	6.8	SW.	33	SW.	0	9	8	0	7	8	22	1	0	1	3	3	22	18	15	9	5	1	0	0	0	11	0	0
March	7.2	SW.	26	SW.	0	9	3	1	2	12	30	2	3	0	2	10	19	18	14	5	2	0	1	0	0	4	0	0
April	6.1	N.	29	SW.	0	18	2	2	2	7	18	7	4	0	8	12	10	10	8	1	0	0	0	0	0	3	0	0
May	7.0	SW.	26	SW.	0	9	3	2	3	9	20	13	3	0	4	14	13	11	8	0	0	0	1	0	0	0	0	0
June	6.1	N.	19	SW.	0	23	1	2	1	2	11	12	5	3	7	15	8	4	1	0	0	0	0	0	0	0	1	0
July	5.5	N.	20	N.	0	21	3	0	2	4	8	17	6	1	2	16	13	7	4	0	0	0	1	0	0	0	3	0
August	5.0	N.	24	W.	0	19	2	1	4	1	20	9	5	1	8	11	12	10	5	0	0	0	1	0	0	0	0	0
September	3.8	N.	21	N.	0	30	1	2	5	2	4	6	2	8	6	11	13	1	1	0	0	0	0	5	0	0	0	0
October	5.8	SW.	31	SW.	0	11	4	0	4	8	24	6	4	1	1	10	20	17	14	0	0	0	0	5	0	0	0	0
November	5.7	SW.	28	SW.	0	8	5	0	7	13	22	2	1	2	1	8	21	16	14	0	0	0	0	4	0	0	2	0
December	6.2	SW.	31	SW.	0	2	5	4	14	10	24	2	1	0	1	4	26	18	16	1	0	1	8	1	0	11	0	0
Year	6.0	SW.	33	SW.	0	165	40	16	61	80	237	80	34	17	45	120	200	146	111	17	7	2	26	1	0	34	4	0

TAMPA, FLA.

[H_b=35 ft.; h_t=79 ft.; h_r=71 ft.; h_a=92 ft.]

January	6.7	NE.	46	SW.	1	9	9	3	10	5	10	5	10	1	10	13	8	11	7	0	0	0	5	0	0	1	3	0
February	6.3	NE.	22	SW.	0	8	11	1	7	3	10	2	12	2	10	17	1	4	1	0	0	0	9	0	0	0	0	0
March	6.8	SW.	28	N.	0	4	14	3	4	2	12	13	10	0	15	9	7	7	6	0	0	1	3	0	0	0	9	1
April	7.4	NE.	30	SW.	0	6	15	7	4	2	13	4	9	0	9	15	6	5	5	0	0	0	2	0	0	0	3	0
May	7.4	NE.	27	NE.	0	0	32	10	5	0	4	4	7	0	5	16	10	4	4	0	0	0	1	0	1	0	8	0
June	6.5	SW.	28	NW.	0	0	13	7	3	3	12	13	9	0	1	19	10	10	6	0	0	0	0	0	15	0	12	0
July	6.5	NE.	30	SW.	0	4	24	4	7	1	13	4	5	0	3	15	13	14	13	0	0	0	0	0	13	0	18	0
August	5.2	NE.	35	E.	0	10	22	14	5	2	2	3	3	1	0	25	6	16	16	0	0	0	2	0	0	26	24	0
September	6.2	NE.	30	SW.	0	3	27	6	7	0	5	4	7	1	5	18	7	10	9	0	0	0	0	0	11	0	13	0
October	6.5	NE.	25	E.	0	4	37	5	3	2	1	4	5	1	3	14	14	10	7	0	0	0	3	0	1	0	7	0
November	7.1	NE.	24	N.	0	16	22	0	6	3	4	3	6	0	12	10	8	6	6	0	0	0	0	0	0	0	0	0
December	6.3	NE.	24	E.	0	15	18	5	7	1	4	0	11	1	9	3	19	9	9	0	0	0	2	0	0	0	0	0
Year	6.6	NE.	46	SW.	1	79	244	65	68	24	90	59	94	7	82	174	109	106	89	0	0	3	25	0	67	1	97	1

Annual meteorological summary for the year ending December 31, 1918—Continued.

TATOOSH ISLAND, WASH.

[ϕ=48° 23′ N.; λ=124° 44′ W.]

Month.	Pressure.			Temperature.								Moisture.											
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	29.957	30.400	29.200	44.6	45.8	45.0	47.3	41.7	44.5	55	29	42	41	41	89	84	87	0.271	0.267	0.264	13.98	1.98	7.2	8.2	8.1	8.4
February	29.815	30.170	29.085	40.0	42.4	42.4	44.3	37.6	41.0	50	31	36	37	36	85	81	80	.215	.223	.220	13.49	2.59	6.4	7.8	6.8	6.9
March	29.842	30.340	29.270	41.9	44.1	43.6	46.2	38.5	42.4	53	32	38	40	39	85	85	85	.229	.250	.244	12.35	1.77	7.6	7.1	6.9	7.2
April	29.994	30.470	29.510	44.8	49.3	48.3	51.2	42.7	47.0	65	37	40	41	42	85	75	78	.258	.263	.264	2.25	.80	5.5	5.6	5.2	5.4
May	29.990	30.250	29.751	46.2	50.7	50.2	52.8	44.8	48.8	61	42	43	45	45	88	81	82	.275	.298	.298	2.08	.89	6.1	5.3	5.8	5.9
June	29.964	30.337	29.608	49.4	54.7	54.8	57.7	48.1	52.9	74	43	47	48	49	92	81	83	.327	.343	.352	1.91	1.53	5.8	4.9	4.6	5.0
July	29.941	30.142	29.711	51.7	55.3	55.4	57.7	50.3	54.0	66	45	50	52	52	96	89	90	.369	.389	.394	1.60	.51	7.0	7.0	5.5	6.6
August	29.970	30.230	29.591	53.3	56.5	56.2	59.0	51.2	55.1	70	46	52	53	54	95	90	92	.383	.406	.412	4.72	1.29	5.9	5.6	5.7	5.9
September	29.936	30.240	29.764	50.9	55.7	54.7	59.1	48.9	54.0	74	46	48	51	51	92	85	88	.340	.371	.372	.14	.14	3.0	4.3	3.4	4.9
October	29.942	30.210	29.100	50.9	53.2	52.3	54.7	48.8	51.8	60	44	49	49	49	92	88	90	.344	.353	.353	10.07	2.39	4.9	7.6	6.5	6.7
November	29.874	30.430	28.860	47.0	48.8	48.7	50.9	44.5	47.7	55	38	42	42	42	83	78	78	.267	.268	.266	7.88	1.22	6.2	7.1	7.8	7.6
December	29.933	30.380	29.130	43.8	45.3	44.3	46.9	40.7	43.8	52	34	40	39	39	87	79	83	.251	.240	.246	12.24	2.98	6.4	7.1	6.9	7.0
Year	29.930	30.470	28.860	47.0	50.2	49.7	52.3	44.8	48.6	74	29	44	45	45	89	83	85	.294	.306	.307	82.62	2.98	6.0	6.5	6.1	6.5

TAYLOR, TEX.

[ϕ=30° 35′ N.; λ=97° 20′ W.]

January	29.413	29.790	28.900	32.9	46.1	....	55.1	28.6	41.8	85	5	27	31	....	77	58	....	0.157	0.184	.....	0.59	0.36	3.3	3.3	....	3.1
February	29.501	30.000	28.030	46.0	54.1	....	34.9	42.2	53.6	87	16	40	42	....	82	68	....	.280	.304	.....	2.50	2.03	7.4	7.2	....	6.8
March	29.438	29.840	29.050	54.9	66.1	....	74.7	52.1	63.4	91	38	47	48	....	76	55	....	.351	.374	.....	.69	.35	7.2	6.6	....	5.8
April	29.322	29.800	28.930	57.6	70.0	....	76.2	54.1	65.6	90	40	52	54	....	84	58	....	.424	.446	.....	3.84	1.18	6.2	5.4	....	5.7
May	29.391	29.750	28.980	68.0	78.1	....	83.7	65.4	74.6	92	52	64	63	....	88	60	....	.620	.585	.....	2.27	1.24	8.6	7.3	....	6.8
June	29.342	29.590	29.080	75.3	89.3	....	95.4	72.5	84.0	103	67	70	68	....	84	51	....	.736	.686	.....	.44	.32	5.1	4.6	....	4.8
July	29.405	29.590	29.190	75.5	90.4	....	97.3	73.7	85.5	105	67	68	64	....	78	42	....	.683	.598	.....	.10	.07	3.6	2.9	....	3.2
August	29.402	29.570	29.220	75.2	89.7	....	96.4	73.5	85.0	100	68	71	69	....	80	47	....	.753	.649	.....	.17	.11	3.7	4.2	....	4.6
September	29.440	29.770	29.100	64.5	80.7	....	87.0	62.2	74.6	99	48	57	56	....	77	45	....	.496	.471	.....	.80	.46	4.3	3.9	....	4.0
October	29.391	29.740	29.030	61.7	74.6	....	79.9	59.1	69.5	91	41	57	58	....	86	58	....	.489	.498	.....	2.46	1.07	5.1	5.3	....	5.6
November	29.491	29.790	29.040	49.5	59.0	....	63.2	46.8	55.0	81	28	45	48	....	86	70	....	.333	.363	.....	4.22	1.74	6.6	6.0	....	6.3
December	29.498	29.830	29.070	45.7	55.4	....	61.8	42.1	52.0	76	24	42	43	....	89	65	....	.301	.306	.....	4.21	1.44	5.7	5.8	....	5.7
Year	29.420	30.000	28.900	58.9	71.2	....	78.0	56.1	67.0	105	5	53	53	....	83	56	....	.469	.455	.....	22.38	2.03	5.6	5.2	....	5.2

TERRE HAUTE, IND.

[ϕ=39° 29′ N.; λ=87° 24′ W.]

January	29.307	29.850	28.570	10.8	18.9	17.8	23.1	6.6	14.8	43	−18	8	13	14	87	76	83	0.068	0.081	0.081	2.63	0.77	5.8	6.2	6.6	6.4
February	29.444	30.250	28.540	27.8	35.3	34.7	42.2	22.9	32.6	67	−7	24	27	26	85	71	70	.151	.168	.148	2.05	.75	4.6	6.0	5.7	5.9
March	29.417	29.960	28.770	40.1	53.1	53.2	60.7	36.8	48.8	77	20	35	39	38	82	62	58	.213	.254	.235	1.64	.96	5.7	4.8	4.8	5.0
April	29.353	29.920	28.810	43.7	53.6	52.8	58.8	41.0	49.6	80	25	39	43	43	85	70	69	.247	.290	.285	6.24	1.50	7.2	7.0	7.4	7.2
May	29.401	29.810	28.810	63.7	75.2	73.1	79.4	59.2	69.3	89	36	56	59	59	70	59	64	.467	.523	.525	3.95	1.68	5.3	5.8	6.7	5.5
June	29.327	29.610	29.000	67.6	79.1	77.1	82.8	61.9	72.4	98	49	57	61	60	70	56	57	.487	.564	.532	3.58	1.57	5.6	6.1	7.2	6.0
July	29.417	29.600	29.240	67.9	80.1	78.9	83.8	63.7	73.8	95	53	61	64	65	79	60	64	.547	.614	.629	2.84	2.00	3.4	5.2	6.6	5.7
August	29.382	29.610	29.150	73.1	83.8	82.7	88.4	70.6	79.5	105	57	66	66	68	80	60	62	.646	.669	.680	2.57	.71	6.8	6.2	7.0	6.4
September	29.453	29.820	29.100	53.5	66.0	63.1	69.8	50.5	60.2	81	38	48	49	50	84	57	64	.350	.366	.373	5.04	2.15	5.0	5.7	5.6	5.5
October	29.428	29.740	28.880	53.0	64.1	61.6	67.7	50.5	59.1	86	38	47	48	49	82	59	65	.338	.352	.363	2.56	.89	6.8	5.6	4.9	5.6
November	29.451	29.810	28.610	38.9	48.7	46.2	51.5	37.0	44.2	70	23	34	32	34	81	55	64	.205	.194	.209	1.63	.61	5.9	4.8	4.3	5.5
December	29.422	29.860	28.840	37.6	43.8	43.0	48.0	34.1	41.0	66	17	34	35	36	86	72	78	.211	.218	.228	7.05	2.55	7.2	7.0	6.3	7.2
Year	29.400	30.250	28.540	48.1	58.5	57.0	63.0	44.6	53.8	105	−18	42	45	45	81	63	66	.328	.358	.357	41.78	2.55	5.8	5.9	6.1	6.0

THOMASVILLE, GA.

[ϕ=30° 48′ N.; λ=83° 58′ W.]

January	29.702	30.030	28.960	39.4	51.1	48.4	56.7	35.3	46.0	77	15	35	36	37	82	59	65	0.232	0.257	0.250	3.73	1.13	5.1	5.1	4.3	5.4
February	29.869	30.190	29.550	53.0	65.9	61.9	70.5	50.5	60.5	84	31	49	50	51	87	59	69	.378	.391	.393	2.27	1.88	6.0	6.0	5.2	6.0
March	29.756	30.160	29.530	57.7	69.9	66.7	74.9	55.2	65.0	86	47	52	53	53	83	57	64	.405	.412	.415	1.41	.73	5.5	6.1	4.9	5.7
April	29.673	29.860	29.480	59.2	69.9	65.7	74.1	54.9	64.5	83	35	54	53	55	82	56	70	.437	.424	.459	5.02	1.20	5.7	6.8	6.1	6.5
May	29.822	30.060	29.620	69.2	80.9	75.7	85.5	63.1	74.3	94	52	62	55	58	77	43	57	.560	.454	.503	1.38	1.27	3.8	5.1	4.0	4.2
June	29.652	29.880	29.420	75.7	86.5	80.5	90.7	69.9	80.3	99	65	69	66	68	79	54	68	.705	.659	.686	6.74	1.75	5.2	6.4	6.2	5.7
July	29.726	29.950	29.510	74.5	84.9	79.4	89.1	69.3	79.2	95	62	67	64	66	78	50	66	.669	.597	.655	2.46	1.03	4.7	5.9	5.4	5.4
August	29.778	29.940	29.560	75.2	85.4	79.3	90.3	70.4	80.4	99	62	69	67	69	82	55	72	.716	.658	.707	6.16	2.80	3.3	6.1	5.3	5.3
September	29.712	29.980	29.472	68.5	79.6	73.8	83.6	64.3	74.0	92	52	62	62	63	82	56	70	.584	.563	.582	3.44	1.57	4.7	5.5	4.0	5.1
October	29.742	29.960	29.510	68.0	77.8	72.5	80.4	65.5	73.0	88	51	64	64	64	88	64	76	.610	.603	.612	1.65	1.45	7.1	8.2	5.5	7.7
November	29.788	30.060	29.510	50.9	64.4	58.4	67.7	47.9	57.8	79	38	44	44	45	80	52	63	.308	.308	.306	5.38	1.33	3.9	4.6	4.4	4.5
December	29.840	30.060	29.470	49.6	58.6	55.4	62.1	47.5	54.8	77	28	46	46	47	87	65	75	.338	.341	.347	8.13	3.73	6.2	6.8	4.5	6.6
Year	29.755	30.190	28.960	61.7	72.9	68.1	77.1	57.8	67.5	99	15	56	55	56	82	56	68	.495	.472	.493	47.77	3.73	5.1	6.0	5.0	5.7

Annual meteorological summary for the year ending December 31, 1918—Continued.

TATOOSH ISLAND, WASH.

[H_b=86 ft.; h_1=7 ft.; h_r=4 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.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. 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	19.4	E.	56	S.	15	0	2	20	5	11	6	11	7	0	4	3	24	27	25	2	1	3	0	0	0	2	0	0
February	23.7	E.	68	S.	17	0	3	19	5	13	5	9	2	0	6	5	17	21	21	8	5	1	0	0	0	1	0	2
March	18.7	S.	56	S.	12	1	3	9	11	16	11	10	1	0	5	6	20	26	22	10	6	0	2	0	0	2	1	0
April	13.1	S.	50	S.	4	2	10	6	2	17	7	13	3	0	12	4	14	11	9	1	1	2	2	0	0	0	1	0
May	11.3	W.	46	S.	2	2	3	7	0	9	16	22	3	0	10	7	14	12	9	0	0	0	5	0	0	0	0	0
June	10.7	S.	46	S.	1	1	6	5	1	20	12	10	5	0	11	8	11	9	8	0	0	0	9	0	0	0	0	0
July	11.1	S.	46	S.	3	1	2	2	1	30	18	4	4	0	5	12	14	12	8	0	0	1	18	0	0	0	4	0
August	10.8	S.	48	NE.	1	0	9	3	6	20	17	5	2	0	8	9	14	10	10	0	0	0	12	0	0	0	1	0
September	10.6	S.	44	NE.	1	4	12	6	1	16	14	6	1	0	11	8	11	2	2	0	0	0	15	0	0	0	0	0
October	15.0	S.	68	S.	7	1	8	12	4	16	13	7	1	0	7	9	15	23	19	0	0	2	11	0	0	0	1	1
November	18.8	E.	73	S.	12	0	3	21	7	10	9	8	2	0	3	9	18	22	20	1	0	0	0	0	0	0	1	0
December	20.7	E.	68	S.	17	1	1	30	5	10	10	2	3	0	6	7	18	22	19	4	2	0	0	0	0	0	1	0
Year	15.3	S.	73	S.	92	13	62	140	48	188	138	107	34	0	88	87	190	197	170	26	15	9	74	0	0	5	10	3

TAYLOR, TEX.

[H_b=583 ft.; h_1=55 ft.; h_r=48 ft.; h_a=63 ft.]

January	11.2	N.	39	N.	0	12	1	0	1	2	6	0	9	0	20	4	7	6	3	2	2	0	0	3	0	22	2	0
February	11.8	N.	49	S.	1	10	2	0	2	3	8	1	2	0	7	4	17	12	5	1	0	0	1	1	0	7	3	0
March	11.0	N.	31	SW.	0	10	3	0	2	5	8	1	2	0	9	11	11	5	3	0	0	0	0	1	0	5	1	0
April	9.6	S.	37	NW.	0	10	3	4	2	3	6	0	2	0	11	6	13	10	6	0	0	2	0	0	1	0	0	0
May	11.0	SE.	37	S.	0	2	3	5	9	10	1	0	1	0	3	15	13	9	5	0	0	0	0	0	5	0	3	0
June	7.8	SE.	27	SE.	0	0	1	1	9	11	2	2	2	2	13	11	6	6	3	0	0	0	0	0	27	0	7	0
July	8.2	SE.	34	NE.	0	2	0	3	8	13	3	1	1	0	18	11	2	2	1	0	0	0	0	0	31	0	4	0
August	7.6	SE.	38	NE.	0	0	0	1	11	14	5	0	0	0	11	15	5	3	2	0	0	0	0	0	31	0	6	0
September	8.2	N.	29	SE.	0	6	2	3	5	6	2	2	4	0	14	10	6	4	3	0	0	0	0	0	12	0	3	0
October	6.5	NW.	31	NW.	0	6	1	2	4	3	2	7	6	0	10	7	14	6	4	0	0	0	2	0	1	0	5	0
November	9.0	N.	29	SE.	0	9	1	0	8	2	3	2	5	0	8	9	13	8	8	2	0	0	0	0	2	0	3	0
December	8.3	NW.	34	NW.	0	4	0	3	2	6	2	5	9	0	11	5	15	10	7	0	0	1	1	0	0	6	4	0
Year	9.2	S.	49	S.	1	71	17	22	63	78	48	21	43	2	135	108	122	81	50	5	2	3	4	4	109	37	54	1

TERRE HAUTE, IND.

[H_b=575 ft.; h_1=96 ft.; h_r=84 ft.; h_a=129 ft.]

January	10.6	SW.	37	NW.	0	9	5	4	5	4	19	8	8	0	5	16	10	11	10	18	10	0	0	26	0	31	0	0
February	12.7	S.	48	NW.	2	3	3	2	9	14	8	3	14	0	7	11	10	8	8	5	0	0	4	7	0	21	2	0
March	11.2	SW.	56	SW.	1	7	11	3	8	15	8	2	8	0	11	11	9	7	6	2	0	0	0	0	0	9	3	2
April	12.2	NE.	37	N.	0	9	15	7	5	5	9	5	5	0	1	16	13	17	12	1	1	0	1	0	0	3	10	0
May	10.7	S.	37	SW.	0	3	3	2	11	15	22	2	4	0	6	20	5	10	8	0	0	0	0	0	0	0	9	0
June	8.4	SW.	35	NW.	0	8	8	8	10	12	10	0	4	0	3	20	7	7	7	0	0	0	1	0	4	0	7	0
July	7.7	S.	45	E.	1	9	13	4	6	12	7	1	10	0	4	23	4	8	6	0	0	0	2	0	5	0	6	0
August	7.5	SW.	31	SW.	0	3	8	7	4	25	10	2	3	0	4	21	6	9	9	0	0	0	1	0	14	0	5	0
September	7.4	S.	26	W.	0	12	6	3	5	12	8	3	11	0	7	16	7	8	6	0	0	0	1	0	0	0	3	0
October	9.2	S.	44	S.	1	9	11	5	11	9	10	2	5	0	9	12	10	6	6	0	0	0	1	0	0	0	1	0
November	10.1	NW.	48	SW.	1	2	3	4	8	11	11	4	17	0	12	0	12	7	4	1	0	0	1	0	0	0	2	0
December	10.0	SW.	36	SW.	0	7	4	6	12	9	10	6	8	0	4	12	15	14	11	4	3	0	0	3	0	12	0	0
Year	9.8	S.	56	SW.	6	81	90	55	94	143	132	38	97	0	73	184	108	112	93	31	14	1	12	36	23	85	48	2

THOMASVILLE, GA.

[H_b=273 ft.; h_1=49 ft.; h_r=41 ft.; h_a=58 ft.]

January	5.7	SW.	36	SW.	0	7	3	4	0	12	16	7	12	1	11	9	11	10	6	0	0	0	3	0	0	16	3	0
February	5.3	SW.	21	SW.	0	6	8	9	0	13	12	1	5	2	7	9	12	6	5	0	0	0	2	0	0	1	1	0
March	5.4	SW.	19	SW.	0	6	16	7	0	5	15	5	5	3	9	11	11	7	5	0	0	0	1	0	0	6	3	0
April	4.8	SW.	31	SW.	0	8	6	4	0	10	15	6	10	1	5	10	15	12	10	0	0	0	0	0	0	0	10	0
May	4.2	NE.	17	SW.	0	6	17	11	0	15	10	1	2	0	15	11	5	3	3	0	0	0	0	0	5	0	3	0
June	4.1	NE	31	E.	0	9	14	4	0	5	14	7	7	0	6	18	6	14	10	0	0	0	0	0	20	0	14	0
July	4.0	NE.	20	SW.	0	8	20	6	0	4	10	10	4	0	10	10	11	9	7	0	0	0	0	0	14	0	10	0
August	3.6	NE.	26	NE.	0	7	15	4	0	7	10	9	6	4	12	9	10	13	9	0	0	1	0	0	17	0	14	0
September	3.7	NE.	18	N.	0	17	20	8	0	3	3	1	4	4	12	9	9	8	5	0	0	0	0	0	6	0	5	0
October	4.8	NE.	23	E.	0	3	29	12	0	6	3	2	3	4	3	9	19	5	3	0	0	0	0	0	0	0	1	0
November	4.7	NE.	20	SW.	0	19	19	4	0	4	5	5	2	2	15	5	10	11	11	0	0	0	0	0	0	0	3	0
December	4.6	NE.	17	SW.	0	1	13	7	1	9	5	9	16	1	7	8	16	10	8	0	0	0	4	0	0	2	0	0
Year	4.6	NE.	36	SW.	0	97	180	80	1	93	118	63	76	22	112	113	135	108	82	0	0	1	10	0	62	19	67	0

Annual meteorological summary for the year ending December 31, 1918—Continued.

TOLEDO, OHIO.

[ϕ=41° 40′ N.; λ=83° 34′ W.]

Month.	Pressure.			Temperature.								Moisture.												
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	29.219	29.780	28.200	10.1	15.4	14.6	20.8	6.6	13.7	38	−15	8	11	10	88	81	82	0.062	0.072	0.070	3.65	1.24	7.6	5.5	6.6	6.3
February	29.342	30.130	28.280	23.0	29.0	29.4	37.5	17.9	27.7	60	−13	19	22	23	82	74	77	.117	.134	.146	1.99	.59	5.8	6.0	4.6	5.4
March	29.364	29.891	28.600	34.6	43.8	44.3	51.9	31.5	41.7	76	16	26	27	31	72	56	61	.144	.152	.186	2.25	1.55	4.1	3.5	3.5	3.7
April	29.335	29.860	28.660	42.6	50.1	46.5	53.0	37.1	45.5	70	24	33	33	35	76	57	67	.200	.207	.219	2.43	.57	6.0	7.0	6.5	6.3
May	29.342	29.702	28.650	61.2	71.0	68.2	75.4	55.1	65.2	89	36	52	52	53	72	54	62	.409	.417	.431	1.60	.38	4.8	5.0	4.8	4.5
June	29.282	29.555	28.840	64.0	73.3	71.0	77.7	57.5	67.6	91	44	53	52	53	68	50	56	.416	.411	.428	1.53	.50	4.6	4.3	5.3	4.3
July	29.359	29.570	29.140	67.7	78.3	75.3	81.3	62.0	71.6	92	48	57	56	57	70	49	55	.485	.474	.484	.95	.44	4.1	5.0	4.7	4.3
August	29.350	29.670	29.061	71.3	82.1	77.7	85.3	67.1	76.2	103	53	63	62	63	75	53	62	.583	.582	.586	2.11	1.07	5.5	4.6	4.0	4.6
September	29.389	29.780	29.020	52.7	63.0	60.1	66.2	49.0	57.6	79	38	46	46	47	80	56	65	.324	.322	.336	7.78	5.98	5.5	5.4	5.1	5.4
October	29.393	29.760	28.930	51.2	59.8	57.3	63.5	47.9	55.7	76	38	45	47	48	79	65	72	.304	.333	.338	2.99	1.01	5.0	6.2	4.1	5.5
November	29.356	29.790	28.560	38.7	46.2	43.8	49.2	36.3	42.8	65	22	32	35	34	78	66	69	.191	.214	.206	1.46	.41	7.0	5.9	5.9	5.9
December	29.369	29.890	28.770	35.5	39.5	38.5	43.4	32.7	38.0	58	21	31	33	33	83	76	80	.180	.192	.194	3.04	.73	8.0	7.7	7.3	7.4
Year	29.342	30.130	28.200	46.0	54.3	52.2	58.8	41.7	50.3	103	−15	39	40	41	76	61	67	.285	.292	.302	31.78	5.98	5.7	5.5	5.2	5.3

TONOPAH, NEV.

[ϕ=38° 04′ N.; λ=117° 14′ W.]

January	24.054	24.370	23.660	27.6	35.8	35.9	39.4	23.8	31.6	58	6	18	20	20	66	54	54	0.098	0.110	0.107	0.22	0.14	1.9	2.5	3.4	2.7
February	24.006	24.440	23.446	28.3	36.9	38.3	41.2	24.4	32.8	57	10	15	19	19	60	50	49	.088	.103	.106	.39	.23	3.4	4.0	4.3	4.0
March	24.019	24.360	23.610	34.7	46.8	48.3	50.6	32.5	41.6	65	19	24	29	27	64	52	46	.126	.162	.145	.57	.18	3.4	3.6	4.2	3.6
April	23.988	24.290	23.600	37.1	52.2	55.0	57.4	34.9	46.2	69	16	25	34	35	60	49	47	.135	.202	.209	T.	T.	1.7	2.4	3.0	2.2
May	23.964	24.230	23.760	41.8	58.6	59.6	62.7	40.3	51.5	77	26	29	38	39	61	48	47	.159	.230	.242	.34	.25	1.7	3.3	4.6	3.1
June	24.091	24.250	23.880	62.5	79.7	80.2	83.6	61.0	72.3	92	47	37	40	40	44	27	27	.244	.260	.255	.85	.40	2.1	2.2	3.7	2.5
July	24.101	24.230	23.903	61.9	78.3	79.6	82.0	59.7	70.8	89	48	35	35	34	39	23	22	.213	.216	.203	.73	.46	2.1	2.6	3.3	2.5
August	24.103	24.300	23.921	58.8	75.3	77.2	80.0	57.1	68.6	91	46	34	35	33	42	24	22	.210	.207	.195	.23	.13	1.4	1.5	2.6	1.7
September	24.099	24.270	23.890	55.7	69.0	70.4	72.9	53.8	63.4	81	39	33	35	33	46	30	27	.192	.210	.189	.65	.34	2.0	3.4	3.7	2.8
October	24.119	24.310	23.966	46.4	58.2	58.0	61.5	44.1	52.8	74	30	32	34	34	60	42	42	.191	.205	.201	.52	.28	1.9	3.0	2.9	2.6
November	24.050	24.342	23.721	32.1	40.9	40.2	44.3	29.0	36.6	66	7	23	25	25	72	54	56	.126	.130	.136	.13	.08	3.7	3.9	3.0	3.9
December	24.051	24.410	23.650	24.0	30.6	30.2	33.4	21.6	27.5	57	5	19	19	18	73	64	63	.090	.103	.099	.74	.50	2.5	2.5	4.0	3.3
Year	24.054	24.440	23.600	42.6	55.2	56.1	59.1	40.2	49.6	92	5	27	30	30	57	43	42	.156	.179	.174	5.37	.50	2.3	2.9	3.6	2.9

TOPEKA, KANS.

[ϕ=39° 03′ N.; λ=95° 41′ W.]

January						19.9	26.7	7.7	17.2	53	−16										0.51	0.28				
February						36.6	47.1	20.4	33.8	78	−9										1.28	1.20				
March						54.9	63.1	36.4	49.8	83	20										.86	.42				
April						54.8	59.3	39.4	49.4	80	20										3.64	1.12				
May						73.7	79.9	58.3	69.1	91	39										7.14	4.36				
June						86.6	90.9	67.9	79.4	105	53										2.18	1.62				
July						84.2	89.5	66.4	78.0	104	59										2.65	1.14				
August						88.5	95.5	71.2	83.4	109	52										3.24	1.54				
September						67.8	74.6	51.9	63.2	93	36										4.05	2.80				
October						63.4	70.2	51.0	60.6	90	33										3.95	2.60				
November						45.9	51.6	36.3	44.0	73	20										3.51	2.48				
December						39.2	45.4	29.7	37.6	68	0										2.37	.78				
Year						59.6	66.2	44.7	55.5	109	−16										35.38	4.36				

TRENTON, N. J.

[ϕ=40° 14′ N.; λ=74° 45′ W.]

January	29.697	30.193	28.650	17.7	22.9	21.3	26.9	13.9	20.4	54	−1	13	15	15	80	71	76	0.084	0.090	0.090	3.00	0.72	6.7	6.5	4.3	6.4
February	29.881	30.520	28.830	26.7	33.6	31.6	39.3	20.8	30.0	60	−6	21	24	24	78	68	72	.128	.136	.138	1.84	.94	5.9	5.5	4.0	5.6
March	29.792	30.330	29.220	36.6	46.1	43.7	52.6	31.1	41.8	76	16	30	32	31	77	58	63	.175	.185	.185	2.02	.76	5.1	5.3	3.1	4.9
April	29.809	30.306	29.399	46.3	55.1	51.8	59.5	40.7	50.1	76	31	38	38	39	74	57	65	.237	.245	.257	3.25	1.26	6.2	6.2	7.0	6.4
May	29.858	30.244	29.329	60.7	70.9	66.1	76.0	54.3	65.2	88	41	54	54	55	79	59	69	.427	.444	.446	4.37	2.14	6.7	6.4	6.6	6.3
June	29.733	30.040	29.160	63.9	72.3	67.8	76.6	57.8	67.2	92	48	54	54	55	72	55	65	.433	.438	.446	3.78	1.27	5.8	5.4	6.1	5.6
July	29.780	30.040	29.550	69.9	78.9	73.8	82.9	63.5	73.2	98	54	60	56	60	73	51	65	.541	.500	.537	4.97	2.91	4.8	5.6	5.5	5.2
August	29.833	30.250	29.560	70.8	81.1	75.4	84.9	65.8	75.4	105	55	64	62	64	79	55	71	.604	.588	.624	2.52	1.21	5.5	5.2	6.0	5.2
September	29.836	30.149	29.580	58.6	69.1	63.1	72.1	53.0	62.6	83	42	52	51	52	81	55	69	.409	.399	.401	3.20	1.85	4.8	6.3	4.0	5.4
October	29.912	30.330	29.390	52.5	64.6	58.5	68.2	48.0	58.1	79	38	46	47	48	81	55	70	.339	.360	.355	.74	.24	5.6	5.5	2.2	5.3
November	29.841	30.350	29.960	41.1	49.0	45.1	52.2	37.5	44.8	66	26	34	36	35	78	62	68	.209	.226	.215	1.85	1.27	4.9	5.6	3.7	5.4
December	29.910	30.497	29.370	35.0	41.7	39.1	45.2	31.6	38.4	64	22	29	33	32	77	71	75	.168	.195	.191	3.86	1.18	5.7	6.5	5.0	6.2
Year	29.824	30.520	28.650	48.3	57.1	53.1	61.4	43.2	52.3	105	−6	41	42	42	77	60	69	.313	.316	.324	35.40	2.91	5.6	5.8	4.8	5.7

Annual meteorological summary for the year ending December 31, 1918—Continued.

TOLEDO, OHIO.

[H_b=628 ft.; h_t=208 ft.; h_r=201 ft.; h_a=243 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Number of winds, 8 a. m. and 8 p. m. Days with 40 miles and over.	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	17.9	SW.	63	SW.	6	5	9	4	3	4	24	9	4	6	9	6	16	15	12	22	15	0	0	28	0	31	0	0
February	17.9	SW.	62	W.	6	3	2	1	5	10	18	12	5	0	11	9	8	9	8	10	1	0	2	10	0	22	2	0
March	15.2	SW.	52	NW.	4	9	7	6	5	6	12	6	11	0	17	9	5	5	5	5	3	0	2	1	0	20	4	1
April	17.1	SW.	53	SW.	6	11	9	12	7	2	12	4	3	0	6	10	14	15	13	3	2	1	0	0	0	9	5	0
May	14.9	SW.	54	W.	4	7	3	8	4	10	20	7	3	0	15	10	6	11	6	0	0	0	1	0	0	0	8	0
June	13.1	SW.	44	SW.	3	10	7	8	4	4	11	4	12	0	14	10	6	8	7	0	0	0	0	0	1	0	9	0
July	10.6	SW.	40	W.	1	12	5	8	2	5	15	8	7	0	11	16	4	7	3	0	0	0	0	0	6	0	7	0
August	12.2	SW.	52	SW.	1	3	7	11	4	4	19	5	9	0	12	13	6	11	9	0	0	0	0	0	9	0	9	0
September	12.7	SW.	49	NE.	3	10	4	2	4	3	21	6	10	0	12	6	12	12	8	0	0	0	0	0	0	0	3	0
October	13.4	SW.	44	S.	2	1	7	6	5	5	21	7	10	0	13	4	14	13	8	0	0	0	4	0	0	0	2	0
November	15.2	SW.	64	SW.	3	2	0	2	4	9	24	9	10	0	9	8	13	9	6	2	0	0	0	0	0	9	0	1
December	13.8	SW.	42	NE.	3	2	8	5	7	6	20	6	8	0	4	8	19	14	10	8	4	0	0	3	0	12	0	0
Year	14.5	SW.	64	SW.	42	75	68	73	54	68	217	83	92	0	133	109	123	129	95	50	25	1	9	42	16	103	49	2

TONOPAH, NEV.

[H_b=6,090 ft.; h_t=12 ft.; h_r=9 ft.; h_a=20 ft.]

January	9.7	W.	37	NW.	0	1	0	0	3	5	2	24	27	0	21	7	3	3	2	4	3	0	0	10	0	23	0	0
February	11.0	SE.	38	W.	0	1	0	0	23	1	2	14	15	0	14	8	6	5	4	9	5	0	0	5	0	22	0	0
March	11.5	SE.	45	SE.	1	0	0	1	36	1	0	8	16	0	16	8	7	8	5	6	4	0	1	0	0	14	0	0
April	11.1	NW.	41	NW.	2	1	1	1	7	2	3	18	27	0	20	10	0	0	0	3	0	0	0	1	0	9	0	0
May	9.8	NW.	33	NW.	0	1	0	1	10	3	0	20	27	0	18	11	2	6	1	4	1	0	0	0	0	7	2	0
June	7.1	SE.	36	SE.	0	1	0	1	24	6	0	17	11	0	20	9	1	6	4	0	0	0	0	0	0	9	0	0
July	9.2	SE.	28	NW.	0	0	1	2	38	2	2	11	6	0	20	9	2	3	3	0	0	1	0	0	0	0	3	0
August	7.8	SE.	38	SE.	0	2	3	2	21	3	4	16	11	0	23	8	0	3	3	0	0	1	0	0	0	1	0	0
September	8.7	SE.	33	SE.	0	0	1	2	35	0	2	8	12	0	19	8	3	4	4	0	0	1	0	0	0	0	5	0
October	9.2	SE.	42	NW.	1	1	0	0	23	4	0	17	17	0	19	11	1	4	4	1	1	0	0	0	0	4	1	0
November	9.5	SE.	36	NW.	0	1	0	1	22	2	1	16	17	0	16	7	7	3	2	6	2	0	0	4	0	20	0	0
December	8.8	W.	38	SE.	0	0	0	1	18	1	4	22	16	0	19	6	6	7	4	6	6	0	0	17	0	27	0	0
Year	9.4	SE.	45	SE.	4	9	6	12	260	30	20	191	202	0	225	102	38	52	36	39	22	3	1	37	5	126	25	0

TOPEKA, KANS.

[H_b=987 ft.; h_t=92 ft.; h_r=83 ft.; h_a=107 ft.]

January	10.9	NW.*	37	N.	0	5	1	4	1	3	4	5	8	0	13	6	12	5	2	15	4	0	2	23	0	31	0	0
February	12.6	S.	49	W.	2	4	2	2	4	7	5	0	4	0	17	6	5	4	3	3	0	0	0	8	0	19	2	0
March	10.8	S.	58	W.	1	4	4	2	5	9	2	0	5	0	16	10	5	4	3	0	0	0	2	0	0	10	0	1
April	11.0	NE.	39	SE.	0	4	8	6	2	2	1	3	4	0	12	8	10	11	8	3	3	1	0	0	0	4	4	0
May	13.4	S.	44	W.	2	1	3	2	6	15	2	0	2	0	12	14	5	11	10	0	0	0	0	0	3	0	7	0
June	9.0	S.	28	W.	0	3	3	3	4	11	4	2	0	0	16	12	2	4	4	0	0	0	0	0	15	0	5	0
July	8.2	S.	40	N.	1	3	7	4	2	12	1	1	1	0	12	15	4	10	8	0	0	0	2	0	15	0	6	0
August	9.5	S.	32	SW.	0	3	3	4	5	9	6	0	1	0	16	12	3	8	7	0	0	0	0	0	24	0	9	0
September	9.2	SE.	42	W.	1	8	6	1	8	5	1	1	0	0	15	10	5	7	6	0	0	0	0	0	1	0	5	0
October	8.6	E.	33	SW.	0	4	4	6	5	3	2	1	6	0	9	13	9	9	8	3	0	0	2	0	1	0	2	0
November	10.7	W.	40	NW.	1	6	0	2	4	6	2	7	3	0	14	2	14	9	5	6	4	0	1	3	0	11	2	0
December	10.1	S.	33	N.	0	5	2	0	6	6	5	3	4	0	7	12	12	7	6	7	3	0	2	5	0	13	0	0
Year	10.3	S.	58	W.	8	50	43	36	52	88	35	23	38	0	159	120	86	89	70	37	14	1	11	39	59	88	42	1

TRENTON, N. J.

[H_b=190 ft.; h_t=159 ft.; h_r=152 ft.; h_a=183 ft.]

January	14.0	W.	64	S.	4	9	9	2	2	1	5	24	10	0	9	5	17	12	11	15	9	0	1	22	0	31	1	0
February	13.2	SW.	70	W.	4	6	2	3	5	9	8	10	13	0	11	5	12	9	7	3	2	0	1	8	0	23	0	0
March	13.1	SW.	64	NW.	3	10	9	5	1	7	14	6	10	0	14	9	8	12	9	4	1	0	0	0	0	15	2	1
April	13.5	NE.	46	NE.	3	8	14	8	4	6	7	4	9	0	8	8	14	10	8	2	1	0	0	0	0	5	0	1
May	11.1	S.	60	W.	1	7	6	8	7	15	12	6	1	0	7	10	14	14	11	0	0	0	1	0	0	0	0	0
June	11.1	S.	34	NW.	0	5	9	5	9	12	5	3	12	0	9	10	11	9	8	0	0	0	1	0	1	0	6	0
July	9.0	S.	39	N.	0	11	3	4	8	11	6	11	8	0	10	14	7	9	8	0	0	0	0	0	6	0	9	0
August	9.2	SW.	37	W.	0	5	4	5	10	12	15	5	6	0	9	13	9	9	7	0	0	1	1	0	6	0	7	0
September	9.8	NW.	29	SW.	0	9	6	7	6	7	7	7	11	0	12	9	9	9	7	0	0	0	2	0	0	0	2	0
October	9.9	S.	34	N.	0	8	9	0	11	15	9	1	9	0	12	5	14	6	4	0	0	0	3	0	0	0	1	0
November	11.3	W.	38	W.	0	5	4	2	6	6	6	20	11	0	12	7	11	5	4	0	0	0	0	0	0	7	2	0
December	11.7	W.	60	NW.	1	5	12	6	3	4	8	17	7	0	9	8	14	8	7	7	0	0	2	0	0	16	0	0
Year	11.4	W.	70	W.	16	88	87	55	72	105	102	114	107	0	122	103	140	112	91	31	13	2	11	30	13	97	39	2

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1918—Continued.

VALENTINE, NEBR.

[ϕ=42° 50′ N.; λ=100° 32′ W.]

Month.	Pressure.			Temperature.								Moisture.												Cloudiness.			
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.					
	Monthly mean.	Maximum.	Minimum.	8 a. m.*	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.*	Noon, local time.	8 p. m.	8 a. m.*	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	27.241	27.770	26.880	7.9	14.6	11.1	20.3	−0.3	10.0	60	−32	6	10	9	93	82	91	0.069	0.079	0.078	0.71	0.45	6.4	6.4	5.1	6.2
February	27.250	27.980	26.640	17.4	29.6	29.0	37.2	11.5	24.4	65	−22	14	20	21	85	68	73	.096	.119	.129	.21	.11	4.7	4.6	4.9	4.7
March	27.256	27.840	26.740	31.7	51.7	50.3	57.6	28.8	43.2	79	7	26	29	30	80	47	49	.144	.162	.167	.93	.48	4.4	4.4	4.8	4.9
April	27.256	27.820	26.720	34.0	46.4	46.8	51.7	31.2	41.4	78	18	29	30	30	82	58	58	.161	.173	.172	2.40	.88	6.4	6.8	6.4	6.5
May	27.166	27.570	26.610	50.8	65.7	65.5	70.9	46.3	58.6	89	31	43	42	41	78	48	48	.289	.276	.269	1.39	.40	5.0	6.2	5.8	6.1
June	27.277	27.520	26.970	62.2	79.0	79.4	84.1	57.5	70.8	104	39	55	53	54	79	43	44	.447	.416	.430	.32	.16	4.7	4.7	3.4	4.4
July	27.330	27.590	26.970	63.9	79.7	79.9	85.2	60.4	72.8	101	49	58	59	57	83	53	50	.492	.506	.478	2.30	.85	6.0	4.8	5.0	5.1
August	27.281	27.500	27.020	62.1	80.4	81.2	85.7	59.6	72.6	98	43	56	57	57	83	46	45	.468	.470	.470	1.71	.72	4.4	3.1	4.1	4.1
September	27.388	27.690	27.030	46.8	66.4	63.8	70.6	44.2	57.4	89	26	42	42	43	83	46	50	.268	.276	.285	1.89	.78	4.8	4.6	5.0	5.1
October	27.317	27.610	26.690	42.4	61.4	57.2	65.6	38.8	52.2	89	19	38	40	41	86	51	58	.241	.262	.266	.79	.55	3.8	4.5	4.0	5.0
November	27.282	27.870	26.720	26.8	43.8	38.2	48.3	23.7	36.0	69	3	23	26	25	84	54	60	.127	.146	.141	.20	.09	4.5	3.8	2.8	4.1
December	27.284	27.680	26.850	23.5	33.2	28.5	37.1	17.6	27.4	65	−10	20	23	22	87	70	78	.111	.128	.122	.80	.35	5.6	6.0	5.9	6.5
Year	27.277	27.980	26.610	39.1	54.3	52.6	59.5	34.9	47.2	104	−32	34	36	36	84	56	59	.243	.251	.251	13.65	.88	5.1	5.0	4.8	5.2

VICKSBURG, MISS.

[ϕ=32° 22′ N.; λ=90° 53′ W.]

January	29.738	30.090	29.120	33.3	41.9	41.9	48.5	29.5	39.0	73	4	28	29	31	81	62	67	0.172	0.181	0.201	6.72	2.06	5.7	5.0	5.5	5.3
February	29.877	30.390	29.450	49.3	57.6	59.4	64.7	46.5	55.6	84	27	43	42	44	80	61	59	.309	.307	.314	2.40	1.72	6.9	5.7	5.6	6.1
March	29.791	30.180	29.510	55.8	67.7	68.2	73.5	54.4	64.0	84	44	49	47	47	79	50	49	.372	.354	.349	.58	.44	6.2	4.2	4.3	5.2
April	29.696	30.040	29.450	57.0	68.8	67.2	73.3	55.1	64.2	85	39	52	51	52	84	56	61	.415	.411	.425	8.41	3.26	6.9	5.2	4.9	5.8
May	29.813	30.150	29.492	68.3	79.8	78.7	84.0	65.3	74.6	92	50	62	61	62	82	53	58	.583	.548	.569	.74	.73	5.2	4.8	3.7	5.3
June	29.689	29.880	29.470	75.5	87.2	82.8	90.9	72.2	81.6	98	66	71	70	70	85	58	66	.751	.751	.724	4.66	1.55	4.6	4.3	6.0	5.2
July	29.756	29.960	29.450	73.5	85.8	84.2	90.8	70.7	80.8	98	65	68	64	65	78	51	54	.645	.615	.618	1.98	1.02	5.5	4.2	4.9	5.3
August	29.781	29.970	29.600	74.4	86.0	83.0	90.7	72.3	81.5	100	69	71	70	70	90	60	67	.764	.730	.734	6.98	4.03	3.8	5.5	5.1	5.4
September	29.776	30.120	29.560	63.9	77.1	73.9	81.4	61.2	71.3	93	45	58	57	59	83	54	62	.505	.496	.518	1.26	.56	4.8	4.6	4.3	4.7
October	29.741	30.010	29.430	63.6	73.4	69.4	76.8	61.9	69.4	91	42	61	61	61	91	68	78	.550	.557	.560	17.28	5.21	5.9	6.2	5.8	6.8
November	29.840	30.090	29.330	46.7	58.9	56.5	63.2	45.3	54.2	78	32	43	44	44	87	60	66	.288	.302	.308	3.85	2.40	5.0	5.0	4.2	5.6
December	29.852	30.080	29.440	47.3	57.0	55.6	62.0	45.8	53.9	78	26	43	44	44	86	63	68	.305	.319	.324	4.94	2.06	6.2	6.2	4.2	6.7
Year	29.779	30.390	29.120	59.0	70.1	68.4	75.0	56.7	65.8	100	4	54	53	54	84	58	63	.472	.464	.470	59.76	5.21	5.6	5.1	4.9	5.6

WAGON WHEEL GAP, COLO.

[ϕ=37° 46′ N.; λ=106° 53′ W.]

January				12.4			24.5	6.5	15.5	44	−10				67			0.053			0.82	0.30				5.4
February				16.0			31.0	8.7	19.8	40	−9				67			.064			1.07	.47				4.2
March				23.5			39.8	16.6	28.2	49	1				72			.096			1.78	.83				5.9
April				30.7			42.1	20.7	31.4	56	5				46			.078			.60	.47				4.5
May				44.3			55.5	30.3	42.9	66	19				33			.091			.12	.09				5.4
June				55.9			71.9	41.2	56.6	82	29				56			.252			.90	.20				4.8
July				53.7			68.0	42.4	55.2	76	39				74			.303			3.13	.82				6.8
August				49.9			67.1	40.3	53.7	77	35				75			.269			2.59	.89				6.1
September				43.6			59.4	35.0	47.2	70	28				73			.208			2.80	1.04				5.4
October				35.4			49.1	28.9	39.0	64	12				68			.144			1.03	.36				5.1
November				16.3			29.0	11.0	20.0	49	−6				76			.071			1.99	.85				4.1
December				11.7			24.4	6.2	15.3	44	−10				80			.058			1.32	.58				5.1
Year				32.8			46.8	24.0	35.4	82	−10				66			.141			18.15	1.04				5.2

WALLA WALLA, WASH.

[ϕ=46° 02′ N.; λ=118° 20′ W.]

January	29.035	29.450	28.410	37.4	41.7	41.6	46.3	33.3	39.8	67	10	32	32	34	82	70	74	0.187	0.189	0.205	2.29	0.54	7.0	6.4	7.5	7.4
February	28.950	29.390	28.260	35.4	41.9	41.5	46.0	31.4	38.7	67	16	27	26	28	72	55	61	.146	.142	.153	1.30	.31	7.9	8.0	8.1	7.6
March	28.916	29.450	28.180	43.4	53.7	54.3	57.9	40.0	49.0	73	27	32	34	33	66	50	48	.181	.195	.196	1.26	.42	6.4	7.7	6.5	6.1
April	28.953	29.460	28.530	43.9	59.9	62.7	64.8	41.7	53.2	79	26	30	28	28	58	31	29	.168	.155	.160	.32	.18	3.4	4.3	4.4	3.5
May	28.918	29.150	28.580	47.7	62.7	65.7	67.9	45.7	56.8	86	36	36	35	35	63	37	34	.209	.204	.206	.68	.35	5.0	5.1	4.6	4.6
June	28.877	29.180	28.516	61.0	79.4	84.9	87.1	59.1	73.1	100	44	43	44	42	52	30	33	.282	.301	.279	.10	.07	3.2	3.1	3.1	2.8
July	28.850	29.110	28.590	63.4	82.0	86.3	89.0	61.2	75.1	108	46	44	50	46	52	36	27	.305	.375	.320	.96	.51	3.0	3.5	4.8	4.2
August	28.924	29.190	28.570	60.9	75.1	80.1	81.6	58.5	70.0	97	45	45	47	44	58	39	30	.307	.328	.292	.99	.78	3.5	4.0	3.9	3.7
September	28.920	29.240	28.660	59.2	74.1	79.0	81.7	56.0	68.8	92	48	44	46	47	59	38	35	.297	.319	.328	.32	.19	3.7	3.7	3.5	3.4
October	28.997	29.237	28.390	51.4	62.2	62.2	66.2	47.9	57.0	82	36	44	43	44	76	50	53	.291	.384	.299	1.53	.58	5.3	5.6	5.5	5.5
November	29.018	29.410	28.170	40.2	46.0	44.9	49.5	35.9	42.7	62	20	33	35	36	78	68	74	.191	.208	.217	1.02	.53	6.4	6.5	5.9	7.1
December	29.096	29.521	28.460	36.8	39.2	39.0	43.3	32.4	37.8	67	13	29	30	30	77	71	74	.159	.167	.171	1.48	.56	7.8	7.8	8.0	8.4
Year	28.954	29.521	28.170	48.4	59.7	61.8	65.1	45.3	55.2	108	10	37	38	37	66	48	47	.227	.239	.236	12.25	.78	5.2	5.5	5.3	5.4

* Observations taken at 9 a. m., 75th meridian time, at Wagon Wheel Gap.

Annual meteorological summary for the year ending December 31, 1918—Continued.

VALENTINE, NEBR.

[H_b=2,596 ft.; h_t=47 ft.; h_r=36 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	10.5	NW.	38	NW.	0	8	3	5	2	1	2	16	25	0	8	9	14	9	4	18	9	0	0	20	0	30	0	0
February	10.2	W.	40	NW.	1	5	5	2	2	6	3	23	10	0	12	11	5	5	3	7	4	0	0	9	0	24	0	0
March	10.5	W.	36	N.	0	10	6	3	5	9	7	12	10	0	11	12	8	6	5	4	3	0	1	1	0	17	0	1
April	13.4	NW.	42	NW.	2	12	5	3	4	13	2	7	14	0	7	8	15	11	9	8	6	1	0	1	0	19	0	0
May	11.2	NW.	43	NW.	2	8	7	6	5	6	10	7	13	0	6	14	11	11	8	1	0	0	3	0	0	2	6	0
June	9.1	N.	49	SW.	2	12	10	8	3	5	7	5	10	0	13	13	4	9	3	0	0	0	0	0	10	0	6	0
July	8.4	S.	36	SE.	0	7	5	13	8	12	10	2	4	1	11	15	5	10	8	0	0	0	0	0	11	0	9	0
August	8.1	S.	35	NE.	0	8	10	9	9	7	6	7	6	0	19	9	3	8	5	0	0	0	1	0	11	0	6	0
September	8.2	N.	35	NE.	0	13	11	4	4	5	6	11	5	1	11	10	9	8	5	0	0	0	0	0	0	3	3	0
October	8.2	NW.	34	NW.	0	8	3	5	8	5	5	10	18	0	11	12	8	8	5	2	2	0	2	0	0	7	1	1
November	9.9	NW.	44	NW.	1	5	2	0	4	3	7	20	19	0	17	6	7	6	2	5	4	0	0	5	0	24	1	0
December	10.4	W.	39	NW.	0	5	6	1	1	0	7	21	21	0	8	7	16	7	5	12	6	0	2	13	0	31	0	0
Year	9.8	NW.	49	SW.	8	101	73	59	55	72	72	141	155	2	134	126	105	98	62	57	34	1	9	49	32	157	32	2

VICKSBURG, MISS.

[H_b=247 ft.; h_t=65 ft.; h_r=58 ft.; h_a=74 ft.]

January	9.0	NW.	36	SW.	0	8	5	2	12	5	5	5	20	0	13	6	12	11	11	1	1	0	2	3	0	21	8	0
February	8.2	SW.	24	S	0	7	8	1	13	10	9	2	6	0	7	10	11	9	5	0	0	0	0	0	0	2	3	0
March	7.2	SW.	24	SW.	0	7	9	11	10	9	10	3	3	0	10	12	9	4	3	0	0	0	0	0	0	0	3	1
April	7.7	SE.	34	SE.	0	8	4	5	18	9	5	1	9	1	6	15	9	12	9	0	0	2	0	0	0	0	8	0
May	6.8	SE.	21	SE.	0	1	5	3	19	21	9	2	2	0	7	21	3	2	1	0	0	0	0	0	3	0	1	0
June	5.4	SW.	27	E.	0	4	8	6	8	5	14	6	8	1	6	21	3	9	9	0	0	1	0	0	19	0	12	0
July	5.5	SE.	33	NE.	0	8	12	6	14	6	9	2	5	0	7	18	6	7	5	0	0	0	0	0	21	0	10	0
August	5.2	SE.	29	E.	0	2	1	3	21	15	12	3	5	0	8	13	10	9	9	0	0	0	0	0	19	0	7	0
September	5.9	N.	19	NE.	0	16	12	5	11	5	4	0	7	0	12	8	10	8	8	0	0	0	0	0	4	0	4	0
October	6.2	SE.	23	W.	0	4	9	15	18	4	5	2	5	0	8	4	19	16	12	0	0	0	4	0	1	0	7	0
November	6.9	SE.	33	W.	0	16	9	2	17	5	5	4	2	0	12	4	14	11	9	0	0	0	3	0	0	1	2	0
December	7.4	SW.	26	NW.	0	6	4	4	14	15	8	4	6	1	7	6	18	7	5	0	0	0	1	0	0	5	2	0
Year	6.8	SE.	36	SW.	0	87	86	63	175	109	95	34	78	3	103	138	124	105	86	1	1	3	10	3	67	29	67	1

WAGON WHEEL GAP, COLO.

[H_b=— ft.; h_t=9 feet.; h_r=3 ft.; h_a=22 ft.]

January	9.1	.....	30	.....	0	....	....	....	....	....	....	....	....	....	10	11	10	14	7	21	14	0	0	25	0	31	0	0
February	7.0	.....	26	.....	0	....	....	....	....	....	....	....	....	....	11	13	4	9	6	10	9	0	0	14	0	28	0	0
March	6.4	.....	19	.....	0	....	....	....	....	....	....	....	....	....	9	9	13	13	7	17	13	0	0	3	0	31	1	0
April	7.9	.....	21	.....	0	....	....	....	....	....	....	....	....	....	12	13	5	6	3	17	6	0	0	3	0	30	2	0
May	7.8	.....	20	.....	0	....	....	....	....	....	....	....	....	....	9	14	8	3	1	11	3	0	0	0	0	21	0	0
June	5.5	.....	17	.....	0	....	....	....	....	....	....	....	....	....	9	16	5	11	9	0	0	3	0	0	0	2	22	0
July	4.7	.....	15	.....	0	....	....	....	....	....	....	....	....	....	4	14	13	23	17	0	0	2	1	0	0	0	24	0
August	4.6	.....	17	.....	0	....	....	....	....	....	....	....	....	....	4	18	9	15	11	0	0	2	0	0	0	0	19	0
September	5.3	.....	18	.....	0	....	....	....	....	....	....	....	....	....	9	11	10	10	8	0	0	2	2	0	0	7	6	0
October	6.0	.....	26	.....	0	....	....	....	....	....	....	....	....	....	11	9	11	16	9	6	3	0	2	2	0	20	4	0
November	5.4	.....	22	.....	0	....	....	....	....	....	....	....	....	....	15	7	8	11	9	12	11	0	0	18	0	30	1	0
December	6.8	.....	26	.....	0	....	....	....	....	....	....	....	....	....	12	9	10	14	8	14	14	0	0	25	0	31	0	0
Year	6.4	.....	30	.....	0	....	....	....	....	....	....	....	....	....	115	144	106	139	95	108	73	9	5	90	0	231	79	0

WALLA WALLA, WASH.

[H_b=1,000 ft.; h_t=57 ft.; h_r=50 ft.; h_a=65 ft.]

January	5.3	S.	27	SW.	0	5	4	1	2	20	22	8	0	0	4	8	19	17	13	5	5	1	7	2	0	14	0	0
February	6.6	S.	32	SW.	0	2	1	0	7	22	19	3	2	0	3	6	19	13	8	10	7	1	0	4	0	11	0	0
March	6.1	S.	32	S.	0	5	5	2	7	19	8	13	3	0	6	14	11	11	7	5	4	1	1	0	0	4	0	0
April	6.5	S.	32	SW.	0	8	5	5	5	18	9	9	1	0	18	7	5	4	3	3	1	0	0	0	0	2	0	0
May	6.5	S.	24	NW.	0	5	3	1	5	23	12	12	1	0	14	9	8	7	5	0	0	0	0	0	0	1	0	0
June	4.5	S.	31	S.	0	6	6	3	7	15	9	12	1	1	20	7	3	2	1	0	0	0	0	0	12	0	4	0
July	4.6	S.	22	S.	0	5	5	4	4	23	8	11	1	1	16	9	6	5	4	0	0	0	0	0	15	0	2	0
August	4.7	S.	20	W.	0	5	2	0	2	27	13	9	3	1	16	9	6	7	4	0	0	0	0	0	4	0	1	0
September	3.4	S.	26	S.	0	6	5	4	10	21	5	6	2	1	19	4	7	4	2	0	0	0	0	0	3	0	1	0
October	4.6	S.	33	SW.	0	0	1	2	6	28	14	9	1	1	11	10	10	14	9	0	0	0	0	0	0	0	2	0
November	4.5	S.	33	SW.	0	1	2	1	9	26	15	6	0	0	5	8	17	7	6	2	1	0	5	1	0	6	0	0
December	4.8	S.	27	SE.	0	4	3	3	6	29	5	9	1	2	3	4	24	10	7	6	4	0	3	7	0	17	0	0
Year	5.2	S.	33	SW.	0	52	42	26	70	271	139	107	16	7	135	95	135	101	69	31	22	3	16	14	34	54	11	0

Annual meteorological summary for the year ending December 31, 1918—Continued.

WASHINGTON, D. C.

[ϕ=38° 54′ N.; λ=77° 03′ W.]

Month.	Pressure.			Temperature.								Moisture.														
	Monthly mean.	Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
		Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.824	30.340	28.768	20.4	....	24.6	29.8	17.6	23.7	50	1	14	....	14	75	....	63	0.085	.....	0.084	4.29	1.49	6.5	....	4.5	6.2
February	29.999	30.612	28.959	30.9	....	37.9	47.0	26.6	36.8	69	− 2	23	....	25	72	....	59	.139	.....	.150	.83	.34	5.3	....	3.7	4.8
March	29.907	30.504	29.385	41.2	....	50.6	59.4	37.4	48.4	79	23	32	....	33	70	....	53	.188	.....	.202	5.04	2.16	3.8	....	3.8	4.1
April	29.893	30.366	29.481	48.8	57.4	55.2	62.8	43.6	53.2	81	31	40	39	41	73	54	62	.262	.256	.278	6.58	1.82	5.7	6.4	6.8	6.1
May	29.958	30.305	29.437	65.3	75.5	72.2	80.6	58.5	69.6	93	42	55	55	56	72	51	62	.457	.462	.488	2.35	1.12	4.9	5.1	5.6	5.0
June	29.826	30.116	29.263	67.0	76.4	71.8	80.6	61.0	70.8	96	51	56	56	57	70	51	62	.474	.469	.481	2.06	.43	5.4	5.7	5.1	5.3
July	29.883	30.105	29.641	70.5	80.4	74.9	84.8	64.1	74.4	96	53	60	58	61	72	48	64	.543	.494	.558	3.79	1.52	4.7	5.0	4.8	4.7
August	29.928	30.321	29.670	73.3	82.9	76.9	87.6	67.7	77.6	106	53	66	65	68	78	56	74	.638	.631	.693	1.88	.36	5.2	4.4	6.3	4.8
September	29.937	30.285	29.648	59.0	69.9	64.2	74.8	53.7	64.2	87	42	52	52	56	79	55	74	.405	.394	.456	2.79	1.19	4.4	4.7	4.2	4.3
October	30.008	30.419	29.495	54.3	66.7	61.0	71.3	49.8	60.6	83	34	48	48	49	79	53	67	.346	.355	.372	.86	.46	4.2	5.4	4.4	5.2
November	29.965	30.422	29.162	40.9	51.1	46.5	55.1	37.5	46.3	72	25	34	33	34	76	51	63	.203	.198	.20[illegible]	1.48	.78	4.2	4.4	3.9	4.7
December	30.022	30.606	29.470	37.6	44.4	42.2	48.1	35.1	41.6	67	24	31	31	32	76	60	67	.180	.186	.196	4.65	1.48	7.0	6.0	7.2	6.3
Year	29.929	30.612	28.768	50.8	....	56.5	65.2	46.0	55.6	106	− 2	43	....	44	74	....	64	.327	.....	.347	36.60	2.16	5.1	....	5.0	5.1

WAUSAU, WIS.

[ϕ=44° 57′ N.; λ=89° 35′ W.]

Month.	Pressure: Monthly mean.	Pressure: Maximum.	Pressure: Minimum.	Temp. mean: 8 a. m.	Noon	8 p. m.	Maximum.	Minimum.	Monthly.	Extremes: Maximum.	Minimum.	Dew point: 8 a. m.	Noon	8 p. m.	Rel. hum.: 8 a. m.	Noon	8 p. m.	Vapor pr.: 8 a. m.	Noon	8 p. m.	Precip.: Total.	Max. in 24 hours.	Cloudiness: 8 a. m.	Noon	8 p. m.	Daylight.
January	28.514	29.133	27.758	0.0	8.1	....	12.4	−4.4	4.0	25	−24	....	....	....	....	....	....	.....	.....	.....	0.86	0.44	6.0	5.3	....	5.4
February	28.601	29.344	27.981	8.2	20.1	....	23.9	2.5	13.2	48	−30	....	....	....	....	....	....	.....	.....	.....	.79	.57	4.3	4.6	....	4.8
March	28.676	29.177	28.085	26.4	41.7	....	45.2	23.1	34.2	67	− 2	....	....	....	....	....	....	.....	.....	.....	.78	.40	4.1	3.1	....	3.5
April	28.672	29.382	27.937	33.4	48.6	....	51.4	28.4	39.9	68	19	....	....	....	....	....	....	.....	.....	.....	1.58	.66	3.7	3.4	....	3.7
May	28.598	29.067	28.226	51.8	64.3	....	68.1	45.7	56.9	85	28	....	....	....	....	....	....	.....	.....	.....	7.85	2.64	6.2	5.8	....	5.4
June	28.605	28.914	28.179	58.1	70.3	....	72.4	52.5	62.4	86	41	....	....	....	....	....	....	.....	.....	.....	1.88	.59	6.4	4.9	....	5.0
July	28.709	28.959	28.582	61.5	74.0	....	76.5	55.6	66.0	92	43	....	....	....	....	....	....	.....	.....	.....	3.90	1.27	4.5	4.7	....	4.5
August	28.674	29.013	28.492	60.8	76.0	....	78.1	56.6	67.4	91	48	....	....	....	....	....	....	.....	.....	.....	4.59	1.10	4.7	3.7	....	3.8
September	28.709	29.195	28.416	45.2	58.9	....	61.6	40.9	51.2	81	28	....	....	....	....	....	....	.....	.....	.....	1.58	.64	4.9	5.4	....	5.1
October	28.670	29.036	27.917	41.8	54.3	....	56.9	38.2	47.6	78	27	....	....	....	....	....	....	.....	.....	.....	1.69	.92	5.6	5.8	....	5.5
November	28.605	29.078	28.081	32.6	39.7	....	42.7	29.6	36.2	61	7	....	....	....	....	....	....	.....	.....	.....	2.00	.64	6.2	6.8	....	6.7
December	28.644	29.115	28.154	24.7	28.9	....	31.5	21.5	26.5	47	8	....	....	....	....	....	....	.....	.....	.....	1.03	.28	7.5	8.7	....	8.7
Year	28.640	29.382	27.758	37.0	48.7	....	51.7	32.5	42.1	92	−30	....	....	....	....	....	....	.....	.....	.....	28.53	2.64	5.3	5.2	....	5.2

WICHITA, KANS.

[ϕ=37° 41′ N.; λ=97° 20′ W.]

Month.	Pressure: Monthly mean.	Pressure: Maximum.	Pressure: Minimum.	Temp. mean: 8 a. m.	Noon	8 p. m.	Maximum.	Minimum.	Monthly.	Extremes: Maximum.	Minimum.	Dew point: 8 a. m.	Noon	8 p. m.	Rel. hum.: 8 a. m.	Noon	8 p. m.	Vapor pr.: 8 a. m.	Noon	8 p. m.	Precip.: Total.	Max. in 24 hours.	Cloudiness: 8 a. m.	Noon	8 p. m.	Daylight.
January	28.543	29.070	28.050	14.3	23.6	22.7	29.3	9.5	19.4	64	−14	12	15	16	90	69	74	0.081	0.092	0.094	0.89	0.68	4.5	4.4	3.7	4.2
February	28.585	29.330	27.850	28.8	40.2	41.5	49.2	23.0	36.1	81	− 6	21	21	21	75	48	49	.122	.127	.123	1.93	1.93	3.0	3.0	3.5	3.4
March	28.539	29.140	27.960	41.9	56.3	57.5	63.0	38.8	50.9	83	21	34	35	36	75	50	50	.206	.216	.228	2.44	1.15	3.9	4.2	4.0	4.1
April	28.505	29.080	28.060	43.5	55.6	56.6	60.7	40.9	50.8	76	31	36	37	38	76	54	54	.221	.238	.239	4.14	1.83	4.9	4.8	5.1	5.1
May	28.468	28.900	28.060	61.9	73.2	72.9	77.8	58.2	68.0	87	41	55	57	57	79	59	60	.456	.486	.490	5.86	2.18	5.9	5.1	5.0	5.1
June	28.500	28.750	28.212	71.0	86.0	86.2	90.5	69.1	79.8	102	58	62	61	60	76	44	46	.573	.537	.537	1.29	.70	3.4	2.8	3.6	3.4
July	28.569	28.760	28.375	70.2	83.8	85.5	88.9	68.5	78.7	100	60	61	61	61	73	49	46	.539	.542	.542	2.11	.77	5.5	4.5	2.9	4.0
August	28.514	28.720	28.343	73.8	91.1	89.9	95.0	72.4	83.7	105	52	61	58	58	66	36	37	.540	.493	.481	5.19	3.67	3.4	3.8	3.3	3.5
September	28.616	28.950	28.230	56.4	71.7	70.5	76.7	54.1	65.4	93	36	50	48	49	79	46	50	.369	.361	.370	1.80	1.26	3.5	3.9	3.1	3.6
October	28.563	28.880	27.990	54.4	66.4	64.6	69.9	52.9	61.4	89	32	50	50	51	85	60	66	.373	.878	.394	5.98	1.98	4.7	5.4	5.6	5.5
November	28.611	29.100	27.950	40.0	48.8	47.3	51.8	37.8	44.8	71	23	35	38	38	84	66	71	.222	.245	.249	3.62	3.05	5.3	3.9	4.5	4.4
December	28.572	28.860	28.180	32.0	41.3	40.0	46.2	28.5	37.4	69	− 5	28	32	32	87	72	76	.170	.192	.197	3.31	1.44	4.6	4.9	4.0	4.9
Year	28.549	29.330	27.850	49.0	61.5	61.3	66.6	46.1	56.4	105	−14	42	43	43	79	54	57	.323	.326	.329	38.56	3.67	4.4	4.2	4.0	4.3

WILLISTON, N. DAK.

[ϕ=48° 09′ N.; λ=103° 35′ W.]

Month.	Pressure: Monthly mean.	Pressure: Maximum.	Pressure: Minimum.	Temp. mean: 8 a. m.	Noon	8 p. m.	Maximum.	Minimum.	Monthly.	Extremes: Maximum.	Minimum.	Dew point: 8 a. m.	Noon	8 p. m.	Rel. hum.: 8 a. m.	Noon	8 p. m.	Vapor pr.: 8 a. m.	Noon	8 p. m.	Precip.: Total.	Max. in 24 hours.	Cloudiness: 8 a. m.	Noon	8 p. m.	Daylight.
January	28.023	28.610	27.330	-1.2	0.0	2.0	8.7	-8.1	0.3	40	−33	− 3	− 3	− 1	91	87	85	0.049	0.043	0.045	0.75	0.18	6.1	7.3	4.4	6.6
February	27.957	28.760	27.450	7.7	14.6	15.8	21.2	1.1	11.2	45	−33	4	8	10	85	75	76	.062	.076	.075	.13	.10	4.5	5.2	6.2	5.3
March	27.935	28.480	27.448	27.2	37.8	42.3	46.5	24.8	35.6	74	− 2	22	24	26	78	58	54	.123	.135	.147	.48	.25	5.5	5.5	6.2	5.6
April	27.963	28.480	27.390	33.7	48.4	49.2	52.9	30.9	41.9	75	14	28	28	28	77	49	47	.156	.162	.160	2.22	1.55	6.0	6.6	6.3	6.0
May	27.880	28.240	27.470	43.1	58.8	60.5	63.8	39.2	51.5	91	24	35	35	35	72	43	43	.206	.206	.210	1.04	.39	6.5	6.1	5.9	5.7
June	27.946	28.290	27.550	56.2	72.2	75.0	78.2	52.3	65.2	102	36	46	47	46	71	44	39	.328	.343	.328	.57	.14	4.1	4.5	4.3	4.1
July	28.025	28.320	27.614	58.2	73.2	75.0	78.5	54.0	66.2	96	44	51	50	49	78	49	45	.381	.378	.360	2.27	.58	5.2	5.5	6.0	5.4
August	27.950	28.190	27.612	57.3	73.3	74.1	77.9	54.7	66.3	93	43	51	51	51	80	47	47	.381	.384	.387	3.66	1.18	5.0	4.7	5.3	4.6
September	28.113	28.470	27.750	42.3	60.8	61.4	65.9	39.7	52.8	84	22	37	39	39	80	46	45	.224	.244	.248	.30	.28	3.6	4.5	5.3	4.4
October	27.993	28.270	27.370	38.1	53.5	51.9	58.4	35.0	46.7	76	13	31	33	33	76	49	50	.178	.194	.193	.38	.15	4.4	5.5	5.6	5.5
November	27.983	28.730	27.410	23.8	33.6	31.4	37.9	20.6	29.2	59	2	18	23	21	77	64	63	.102	.124	.114	1.04	.85	4.2	6.5	4.9	5.6
December	28.003	28.470	27.573	19.3	26.1	22.9	31.0	13.9	22.4	54	−30	14	17	15	79	69	72	.087	.097	.091	1.00	.74	6.9	7.3	4.8	7.0
Year	27.981	28.760	27.330	33.8	46.0	46.8	51.7	29.8	40.8	102	−33	28	29	29	79	57	56	.190	.199	.198	13.84	1.55	5.2	5.7	5.4	5.5

Annual meteorological summary for the year ending December 31, 1918—Continued.

WASHINGTON, D. C.

[H_b=112 ft.; h_t=62 ft.; h_r=42 ft.; h_a=85 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.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. 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	NW.	38	W.	0	10	7	5	3	1	9	8	16	3	9	7	15	14	9	13	10	0	1	18	0	31	1	0
February	7.8	NW.	50	NW.	0	9	2	2	8	5	10	7	10	3	12	7	9	8	5	4	1	0	1	5	0	20	0	0
March	7.5	NW.	46	NW.	1	8	8	2	6	7	12	5	14	0	14	12	5	12	10	0	0	0	2	0	0	8	2	2
April	7.9	N.	35	NE.	1	11	12	2	14	2	7	3	9	0	7	10	13	14	9	2	2	0	0	0	0	1	4	2
May	6.2	SW.	29	N.	0	4	4	5	7	8	25	1	7	1	7	18	6	9	6	0	0	0	0	0	4	0	6	0
June	6.7	NW.	38	NW.	0	5	12	3	9	5	14	1	11	0	12	9	9	14	12	0	0	0	1	0	3	0	6	0
July	5.2	NW.	26	S.	0	14	1	1	6	8	13	5	13	1	12	9	10	14	9	0	0	1	0	0	10	0	10	0
August	4.9	SW.	38	NW.	0	11	7	3	9	3	20	4	5	0	13	12	6	12	9	0	0	0	0	0	10	0	10	0
September	5.2	N.	23	NW.	0	19	3	2	6	6	6	7	9	2	14	8	8	9	4	0	0	0	1	0	0	0	1	0
October	5.4	S.	26	NW.	0	11	4	0	2	19	7	7	10	2	8	13	10	6	3	0	0	0	3	0	0	0	0	0
November	6.2	NW.	25	NW.	0	11	0	2	2	9	5	8	21	2	13	8	9	4	4	0	0	0	1	0	0	9	2	0
December	6.2	NW.	44	NW.	1	10	6	4	4	4	10	6	15	3	8	7	16	10	8	3	0	0	2	0	0	11	1	0
Year	6.4	NW	50	NW.	3	123	66	31	76	77	138	62	140	17	129	120	116	126	88	22	13	1	12	23	27	80	43	4

WAUSAU, WIS.

[H_b=1,247 ft.; h_t=4 ft.; h_r=38 ft.; h_a=— ft.]

		*																									
January	.....	NW.	#	.....	.....	2	4	0	5	2	0	2	14	2	13	5	13	10	6	15	10	0	0	31	0	31	0	0
February	.....	NW.	.....	.....	.....	3	1	2	3	4	1	1	8	5	14	3	11	4	3	7	4	0	0	19	0	27	0	0
March	.....	SE.	.....	.....	.....	4	1	2	7	5	2	3	3	4	21	3	7	5	2	4	4	0	1	5	0	26	0	1
April	.....	E.	.....	.....	.....	4	4	5	5	1	1	1	5	4	19	3	8	9	7	5	2	0	0	0	0	23	0	0
May	.....	SE.	.....	.....	.....	0	2	3	10	5	3	4	1	3	12	6	13	19	17	1	0	0	3	0	0	1	12	0
June	.....	SE.	.....	.....	.....	2	3	5	8	1	6	2	3	0	13	6	11	7	6	0	0	0	0	0	0	0	7	1
July	.....	SE.	.....	.....	.....	6	3	2	9	1	2	1	6	1	16	5	10	8	7	0	0	0	1	0	3	0	7	0
August	.....	E.	.....	.....	.....	4	1	8	6	1	2	5	1	3	18	9	4	9	8	0	0	1	1	0	1	0	9	0
September	.....	NW.	.....	.....	.....	4	1	1	6	2	0	1	15	0	10	12	8	10	8	0	0	0	1	0	0	3	1	1
October	.....	SE.	.....	.....	.....	2	2	3	8	4	3	3	5	1	14	3	14	10	8	1	1	0	0	0	0	4	1	1
November	.....	NW.	.....	.....	.....	2	0	3	8	2	2	4	9	0	8	4	18	9	9	7	1	0	0	4	0	17	0	1
December	.....	SE.	.....	.....	.....	2	1	4	11	0	0	6	6	1	3	2	26	13	9	15	9	0	3	14	0	27	0	2
Year	.....	SE.	.....	.....	.....	35	23	38	86	28	22	33	76	24	161	61	143	113	90	55	31	4	7	73	4	159	37	7

WICHITA, KANS.

[H_b=1,358 ft.; h_t=139 ft.; h_r=132 ft.; h_a=158 ft.]

January	13.1	N.	39	NW.	0	23	4	1	4	9	5	3	13	0	17	6	8	5	3	12	4	0	0	21	0	30	0	0
February	16.1	S.	59	NW.	5	12	3	3	5	22	4	3	4	0	14	10	4	1	1	1	0	1	0	7	0	20	1	0
March	14.2	S.	65	NW.	5	13	8	4	2	26	3	3	3	0	14	11	6	6	5	0	0	0	0	0	0	7	2	1
April	14.0	NE.	48	E.	1	11	12	7	12	2	4	3	9	0	14	6	10	10	8	2	1	1	0	0	0	1	4	0
May	17.5	S.	50	S.	5	1	3	4	9	39	3	1	2	0	10	16	5	11	9	0	0	1	0	0	0	0	9	0
June	11.7	S.	37	SE.	0	2	8	5	11	24	8	0	2	0	18	9	3	3	3	0	0	0	2	0	16	0	6	0
July	12.0	S.	34	SE.	0	1	9	6	9	33	3	1	0	0	13	11	7	8	7	0	0	0	0	0	14	0	8	0
August	13.6	S.	49	SE.	3	4	5	1	13	30	8	1	0	0	17	12	2	11	7	0	0	0	0	0	25	0	10	0
September	12.3	S.	39	S.	0	3	18	2	12	17	3	2	2	1	16	9	5	7	4	0	0	0	0	0	9	2	0	7
October	11.3	S.	47	SW.	1	7	11	3	15	14	2	3	7	0	7	14	10	12	10	0	0	0	2	0	0	1	3	0
November	12.9	S.	48	NW.	1	8	8	1	4	19	5	2	12	1	15	4	11	6	4	5	3	0	1	3	0	10	3	0
December	13.0	N.	35	N.	0	14	6	3	3	14	12	1	9	0	14	6	11	9	9	3	3	0	1	6	0	14	0	0
Year	13.5	S.	65	NW.	21	99	95	40	99	249	60	23	63	2	169	114	82	89	70	23	11	3	6	37	57	83	30	1

WILLISTON, N. DAK.

[H_b=1,878 ft.; h_t=41 ft.; h_r=33 ft.; h_a=48 ft.]

January	8.8	W.	48	NW.	1	4	6	4	4	6	4	20	14	0	4	13	14	10	6	17	10	0	2	25	0	31	0	0
February	8.9	SW.	34	SE.	0	6	6	4	5	7	15	9	4	0	8	13	7	4	1	8	4	0	1	17	0	28	0	0
March	8.9	W.	36	W.	0	6	5	5	9	11	9	12	5	0	10	14	7	5	5	6	3	0	0	7	0	18	0	1
April	11.3	N.	44	NW.	2	11	9	3	13	4	6	5	9	0	7	13	10	6	5	6	3	0	1	0	0	16	0	0
May	10.3	W.	36	NE.	0	10	7	10	7	2	8	9	9	0	6	16	9	5	4	2	1	0	0	0	1	4	3	0
June	9.6	SE.	38	W.	0	7	8	9	11	4	4	8	9	0	11	17	2	8	6	0	0	0	0	0	4	0	4	0
July	8.7	SE.	42	NW.	1	12	7	11	13	5	4	3	6	1	10	14	7	9	8	0	0	0	1	0	7	0	7	0
August	7.9	W.	39	NE.	0	9	4	7	8	3	10	11	9	1	10	15	6	11	8	0	0	0	0	0	1	0	10	0
September	7.2	N.	42	E.	1	11	10	8	4	5	8	8	6	0	11	15	4	3	1	0	0	0	3	0	0	6	0	0
October	8.2	SE.	36	NW.	0	6	1	5	15	10	13	5	7	0	11	10	10	6	4	2	1	0	0	0	0	8	0	0
November	7.7	SW.	32	W.	0	4	3	4	7	11	14	10	7	0	10	11	9	4	3	7	4	0	0	10	0	28	0	0
December	7.5	SW.	30	NE.	0	11	5	3	10	6	15	7	5	0	7	5	19	6	4	11	6	0	1	18	0	31	0	1
Year	8.8	W.	48	NW.	5	97	71	73	106	74	110	107	90	2	105	156	104	77	55	59	32	0	9	77	13	170	24	2

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1918—Continued.

WILMINGTON, N. C.

[ϕ=34° 14′ N.; λ=77° 57′ W.]

Month.	Pressure.			Temperature.								Moisture.												
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	29.889	30.340	29.150	34.1	42.4	40.0	48.9	29.7	39.3	68	11	27	28	31	76	59	71	0.165	0.171	0.193	2.17	0.65	5.2	4.2	4.1	4.8
February	30.083	30.540	29.420	45.3	56.7	51.0	61.4	41.9	51.6	77	24	41	40	43	84	57	76	.279	.283	.304	2.77	1.42	4.8	3.8	3.9	4.4
March	29.987	30.830	29.590	52.0	63.6	57.0	67.5	47.5	57.5	83	32	46	45	46	80	53	70	.334	.326	.335	.78	.27	4.0	4.2	3.5	4.3
April	29.906	30.300	29.500	58.6	66.6	59.9	70.0	52.5	61.2	83	36	51	49	52	76	57	76	.393	.378	.405	6.24	2.35	5.4	5.1	5.6	5.2
May	30.062	30.360	29.780	69.4	78.8	70.7	80.9	63.7	72.3	93	45	61	59	62	76	54	75	.559	.524	.570	1.52	.94	3.7	4.2	3.4	3.9
June	29.879	30.140	29.500	72.9	80.3	74.5	82.5	66.6	74.6	96	58	64	62	65	76	56	73	.619	.572	.629	3.22	1.76	4.6	4.9	3.8	4.2
July	29.930	30.150	29.690	73.8	81.8	76.5	85.3	68.0	76.6	96	58	67	64	68	80	59	75	.669	.621	.681	6.41	2.34	4.1	5.4	4.0	4.7
August	29.970	30.200	29.500	76.3	85.5	78.6	87.9	71.7	79.8	98	60	71	69	72	84	60	80	.765	.722	.786	6.13	4.97	3.1	4.2	3.7	3.8
September	29.963	30.300	29.700	65.7	75.8	70.9	79.2	61.7	70.4	88	48	61	59	63	85	58	77	.554	.520	.593	1.50	.58	4.0	4.7	2.7	4.3
October	30.040	30.290	29.710	62.4	73.5	67.4	75.8	58.5	67.2	85	47	58	58	60	85	60	77	.496	.498	.531	.32	.22	4.3	5.4	3.6	5.3
November	30.015	30.330	29.510	47.1	59.4	54.9	63.3	45.4	54.4	77	37	42	41	44	83	55	69	.278	.285	.312	2.62	1.22	3.5	4.0	3.8	4.2
December	30.060	30.510	29.630	47.0	55.9	51.5	59.3	44.7	52.0	76	28	42	44	44	84	66	79	.288	.312	.317	4.67	1.43	5.6	6.4	6.3	6.5
Year	29.982	30.540	29.150	58.7	68.4	62.7	71.8	54.3	63.1	98	11	53	52	54	81	58	75	.450	.434	.471	38.35	4.97	4.4	4.7	4.0	4.6

WINNEMUCCA, NEV.

[ϕ=40° 58′ N.; λ=117° 43′ W.]

January	25.683	26.000	25.263	25.6	39.8	37.2	43.6	20.0	31.8	61	−1	20	24	23	79	53	57	0.109	0.128	0.123	1.04	0.52	4.8	5.7	5.6	6.1
February	25.610	26.090	25.208	25.5	38.8	39.3	44.2	20.0	32.1	57	1	20	24	24	78	57	54	.109	.130	.124	.79	.28	6.1	5.5	5.1	5.6
March	25.597	26.050	25.080	31.5	50.5	51.6	55.3	29.1	42.2	73	22	26	27	26	78	42	41	.138	.143	.142	1.95	.62	4.3	5.5	5.9	5.7
April	25.577	25.950	25.170	31.4	57.0	58.4	61.9	29.1	45.5	78	16	22	20	19	67	26	23	.117	.110	.102	.52	.45	3.5	4.4	3.8	4.0
May	25.537	25.790	25.300	36.7	62.0	63.2	68.1	35.0	51.6	84	28	26	27	24	67	31	25	.144	.149	.127	.77	.28	2.1	3.5	4.1	3.3
June	25.604	25.850	25.359	53.7	84.5	82.7	88.8	52.4	70.6	100	33	40	39	38	63	23	28	.270	.260	.252	1.33	.69	3.0	2.8	4.5	3.2
July	25.596	25.750	25.390	54.5	83.5	84.2	88.1	52.8	70.4	96	39	33	37	35	46	21	19	.196	.224	.213	.27	.16	2.6	3.0	3.5	2.9
August	25.630	25.890	25.400	49.1	79.1	79.1	83.9	47.8	65.7	94	33	35	37	33	60	24	21	.212	.225	.196	.37	.29	1.9	2.3	2.8	2.3
September	25.642	25.835	25.460	48.5	73.2	71.0	77.4	45.8	61.6	90	34	39	40	39	74	35	37	.249	.257	.260	1.53	.56	3.7	4.6	4.9	4.8
October	25.695	25.880	25.430	40.0	62.1	59.0	66.5	36.7	51.6	83	22	34	37	37	80	42	47	.206	.232	.233	.45	.22	3.4	4.3	4.7	4.1
November	25.658	26.050	25.150	24.7	43.8	39.6	48.1	20.3	34.2	69	−6	20	26	25	82	52	58	.109	.139	.135	.77	.52	4.5	4.7	5.0	5.1
December	25.699	26.060	25.260	17.2	32.7	29.4	36.6	13.2	24.9	52	−9	14	23	23	88	66	75	.086	.121	.121	.50	.31	3.7	4.5	5.0	4.8
Year	25.627	26.090	25.080	36.5	58.9	57.9	63.5	33.8	48.5	100	−9	27	30	29	72	39	40	.162	.176	.168	10.29	.69	3.6	4.2	4.6	4.3

WYTHEVILLE, VA.

[ϕ=36° 56′ N.; λ=81° 05′ W.]

January	27.460	27.870	26.670	19.0	....	23.7	30.8	14.5	22.6	49	−8	16	....	19	86	....	82	0.097	.....	0.111	4.32	1.15	7.4	....	5.0	6.1
February	27.696	28.140	26.960	31.5	....	41.0	49.0	27.9	38.4	73	1	26	....	31	79	....	69	.150	.....	.188	.68	.20	5.5	....	3.4	5.1
March	27.664	28.090	27.270	42.0	....	50.1	59.4	38.1	48.8	69	23	35	....	37	76	....	64	.213	.....	.238	3.75	1.26	5.3	....	3.1	4.8
April	27.619	27.930	27.320	45.2	52.6	50.0	57.3	40.0	48.6	74	26	40	42	41	82	69	74	.256	0.277	.268	3.79	1.04	6.5	7.0	5.3	6.3
May	27.779	28.050	27.450	59.8	72.2	65.1	75.8	53.2	64.5	88	33	53	54	55	81	56	73	.427	.440	.457	2.31	.93	3.6	4.4	4.8	4.3
June	27.644	27.896	27.289	62.9	71.8	68.4	76.5	57.0	66.8	89	44	56	56	57	80	61	69	.467	.464	.441	7.40	2.56	5.0	7.1	6.2	5.9
July	27.715	27.902	27.487	63.4	73.1	68.3	77.5	58.0	67.8	87	47	58	58	58	84	60	72	.494	.487	.497	4.93	2.14	4.1	5.3	5.4	5.3
August	27.763	28.050	27.590	66.9	79.2	72.0	82.9	62.0	72.4	93	45	63	63	64	87	60	78	.577	.582	.613	2.33	.68	2.8	4.2	5.3	4.0
September	27.715	28.000	27.527	52.8	65.9	59.6	70.1	48.1	59.1	81	34	49	51	53	88	60	80	.363	.389	.417	3.85	1.35	3.7	4.1	4.3	3.9
October	27.759	28.040	27.300	50.5	63.9	58.0	67.3	46.0	56.6	81	31	47	49	50	88	62	75	.333	.363	.365	6.38	4.24	5.1	4.8	3.5	4.8
November	27.686	28.040	27.140	36.7	48.0	42.6	51.7	33.3	42.5	69	23	30	33	33	78	57	68	.174	.195	.192	1.14	.57	5.2	4.7	3.2	4.3
December	27.701	28.170	27.260	36.4	43.4	40.6	47.7	33.4	40.6	64	19	32	32	33	83	67	74	.195	.202	.202	3.03	.99	6.5	6.4	6.0	6.9
Year	27.683	28.170	26.670	47.3	....	53.3	62.2	42.6	52.4	93	−8	42	....	44	83	....	73	.312	.....	.332	43.91	4.24	5.1	....	4.6	5.1

YANKTON, S. DAK.

[ϕ=42° 54′ N.; λ=97° 28′ W.]

January	28.676	29.340	28.180	4.5	....	....	17.7	−0.5	8.6	50	−28	2	....	....	87	....	....	0.054	.....	.....	1.02	0.57	5.9	....	....	6.3
February	28.668	29.570	27.970	16.7	....	....	34.1	11.1	22.6	62	−20	12	....	....	82	....	....	.093	.....	.....	.99	.68	4.4	....	....	5.3
March	28.668	29.320	28.060	33.2	....	....	57.1	30.6	43.8	80	10	26	....	....	76	....	....	.145	.....	.....	1.50	1.06	5.8	....	....	5.1
April	28.666	29.350	28.130	36.8	49.4	....	54.4	34.3	44.4	68	22	27	28	....	67	46	....	.150	0.157	.....	2.40	.98	6.4	6.9	....	6.2
May	28.543	28.960	28.000	55.1	68.5	....	74.2	51.5	62.8	92	35	47	48	....	76	53	....	.336	.356	.....	3.34	1.94	5.9	5.8	....	6.4
June	28.615	28.970	28.241	64.7	77.6	....	82.1	60.6	71.4	96	49	58	59	....	79	54	....	.490	.511	.....	3.38	1.68	4.5	5.2	....	5.0
July	28.691	28.930	28.300	66.3	78.7	....	83.9	63.2	73.6	98	51	60	60	....	80	57	....	.516	.523	.....	2.56	1.34	5.6	6.0	....	5.6
August	28.623	28.884	28.350	66.8	79.9	....	85.0	63.6	74.3	98	47	60	62	....	79	56	....	.529	.553	.....	2.42	.74	6.1	5.0	....	5.4
September	28.761	29.110	28.480	49.0	65.4	....	70.2	47.3	58.8	87	28	42	43	....	79	48	....	.277	.290	.....	1.03	.76	5.0	4.6	....	5.1
October	28.692	29.000	28.120	46.0	59.6	....	63.8	43.4	53.6	87	24	40	42	....	80	57	....	.256	.274	.....	1.46	.55	5.3	5.7	....	6.6
November	28.682	29.320	28.080	32.2	42.9	....	46.7	29.4	38.0	67	10	28	32	....	85	66	....	.167	.195	.....	2.38	.96	4.8	5.8	....	6.0
December	28.675	29.120	28.070	27.5	34.1	....	37.4	22.0	29.7	61	−6	22	25	....	80	69	....	.126	.140	.....	1.06	.42	6.8	7.2	....	7.4
Year	28.663	29.570	27.970	41.6	....	....	58.9	38.0	48.5	98	−26	35	....	....	79	....	....	.262	.....	.....	28.56	1.94	5.5	....	....	5.9

Annual meteorological summary for the year ending December 31, 1918—Continued.

WILMINGTON, N. C.

[H_b=78 ft.; h_t=81 ft.; h_r=76 ft.; h_a=91 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. 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	8.4	W.	47	S.	2	10	6	4	1	3	14	22	2	0	15	4	12	12	9	2	1	0	3	2	0	19	1	0
February	8.4	SW.	31	SW.	0	7	9	7	2	5	17	7	1	1	11	11	6	10	7	0	0	0	1	0	0	4	0	0
March	9.2	NE.	30	SW.	0	3	19	7	2	4	16	6	5	0	15	9	7	7	4	0	0	0	1	0	0	1	2	1
April	8.8	SW.	60	NE.	1	9	9	5	2	5	17	11	2	0	10	10	10	10	8	0	0	0	1	0	0	0	5	0
May	7.5	SW.	27	W.	0	3	9	3	4	7	24	11	1	0	16	9	6	6	4	0	0	0	0	0	0	4	0	0
June	7.0	SW.	26	W.	0	4	14	4	7	9	13	4	5	0	15	9	6	8	7	0	0	0	0	0	2	0	5	0
July	6.0	SW.	29	N.	0	9	11	2	9	7	12	8	4	0	12	12	7	12	11	0	0	0	0	0	4	0	11	0
August	7.4	SW.	38	NW.	0	3	12	7	1	4	23	9	3	0	17	7	7	9	6	0	0	0	0	0	14	0	8	0
September	6.5	NE.	27	N.	0	14	19	6	2	7	4	6	2	0	13	10	7	6	5	0	0	0	2	0	0	0	1	0
October	7.4	NE.	29	SW.	0	11	26	3	7	7	3	4	1	0	10	12	9	4	3	0	0	0	3	0	0	0	0	0
November	7.3	N.	28	SW.	0	22	14	4	1	3	5	8	2	1	15	9	6	8	6	0	0	0	1	0	0	0	0	0
December	7.9	W.	30	SW.	0	11	14	3	4	3	7	14	5	1	8	7	16	11	11	1	0	0	1	0	0	3	1	0
Year	7.6	NE.	60	NE.	3	106	162	55	42	64	155	110	33	3	157	109	99	103	81	3	1	0	13	2	24	27	38	1

WINNEMUCCA, NEV.

[H_b=4,344 ft.; h_t=18 ft.; h_r=3 ft.; h_a=56 ft.]

January	7.0	SW.	28	NW.	0	5	14	1	2	2	22	11	5	0	7	11	13	6	5	7	5	0	0	2	0	30	0	0
February	7.5	NE.	46	SW.	2	4	18	2	0	0	25	5	1	1	11	4	13	7	4	5	5	0	0	0	0	27	0	0
March	7.7	SW.	42	SW.	1	2	20	1	0	5	19	12	3	0	12	5	14	11	7	4	4	0	0	0	0	23	1	0
April	6.9	NE.	30	NW.	0	3	16	4	2	1	15	9	10	0	13	12	5	3	2	3	1	0	0	0	0	19	0	0
May	6.7	SW.	28	SW.	0	2	10	5	1	4	19	6	15	0	18	8	5	6	5	2	2	0	0	0	0	7	2	0
June	5.2	NE.	37	SW.	0	3	18	1	3	3	15	12	5	0	19	7	4	9	4	0	0	0	0	0	12	0	8	0
July	6.1	SW.	33	NW.	0	2	10	2	4	0	31	7	9	0	19	7	5	5	2	0	0	0	0	0	11	0	3	0
August	5.6	NE.	40	SW.	1	3	17	1	3	0	19	4	14	1	21	9	1	3	2	0	0	0	0	0	8	0	2	0
September	5.4	NE.	22	NW.	0	2	28	4	0	2	9	9	6	0	13	8	9	8	6	0	0	0	0	0	1	0	6	0
October	5.1	NE.	30	S.	0	4	22	2	3	4	13	7	7	0	15	8	8	7	5	0	0	0	0	0	0	10	2	0
November	6.2	SW.	42	SW.	1	2	19	2	1	3	22	5	5	1	12	6	12	7	4	10	6	0	0	4	0	29	0	0
December	5.9	NE.	25	SW.	0	0	42	4	1	2	9	2	2	0	14	6	11	7	5	9	7	0	0	8	0	31	0	0
Year	6.3	NE.	46	SW.	5	32	234	29	17	26	218	89	82	3	174	91	100	79	51	40	30	0	0	14	32	176	24	0

WYTHEVILLE, VA.

[H_b=2,304 ft.; h_t=49 ft.; h_r=40 ft.; h_a=55 ft.]

January	9.1	W.	48	W.	2	0	3	9	1	1	2	40	6	0	11	5	15	14	13	14	10	0	1	16	0	31	1	0
February	8.2	W.	40	W.	1	1	2	7	0	0	10	27	7	2	12	4	12	12	7	4	2	0	2	2	0	17	1	0
March	7.0	W.	32	W.	0	1	4	8	2	1	12	22	9	3	13	7	11	17	14	0	0	0	0	0	0	7	3	0
April	7.1	W.	35	W.	0	2	2	17	2	2	5	21	7	2	8	10	12	19	15	4	3	0	0	0	0	7	4	0
May	5.5	W.	27	W.	0	1	3	7	1	3	9	24	9	5	10	18	3	12	8	0	0	0	4	0	0	0	13	0
June	4.7	W.	26	W.	0	3	6	12	2	4	5	14	13	1	7	12	11	13	10	0	0	0	2	0	0	0	6	0
July	4.1	NW.	23	W.	0	11	0	11	3	3	4	12	16	2	8	13	10	16	15	0	0	0	1	5	0	0	9	0
August	4.3	W.	24	NW.	0	3	7	11	1	0	13	14	8	5	12	14	5	9	8	0	0	0	1	5	0	3	9	0
September	3.6	W.	24	W.	0	4	8	6	4	0	3	19	11	5	17	6	7	12	7	0	0	0	0	2	0	0	4	0
October	5.3	W.	38	SW.	0	5	5	9	7	1	4	15	12	4	14	7	10	11	8	0	0	0	0	0	0	1	0	0
November	6.3	W.	28	SW.	0	5	3	7	2	2	0	21	17	3	16	4	10	6	3	0	0	0	0	0	0	16	0	0
December	7.5	W.	38	W.	0	6	5	14	0	0	2	31	4	0	8	2	21	12	9	3	1	0	2	4	0	17	0	0
Year	6.1	W.	48	W.	3	42	48	118	25	17	69	260	119	32	136	102	127	153	117	25	16	2	23	22	3	96	50	0

YANKTON, S. DAK.

[H_b=1,233 ft.; h_t=49 ft.; h_r=42 ft.; h_a=57 ft.]

January	9.8	NW.	32	NW.	0	4	3	2	1	1	3	6	11	0	6	10	15	11	6	18	10	0	0	23	0	31	0	0
February	8.4	NW.	36	NW.	0	3	2	4	1	2	2	6	6	2	9	12	7	4	3	4	4	0	0	11	0	25	0	0
March	8.7	E.	30	NW.	0	3	3	7	1	1	5	4	6	1	12	10	9	3	3	4	3	0	0	1	0	15	1	1
April	10.5	NW.	35	NW.	0	2	5	0	8	2	2	2	8	1	8	12	10	8	6	4	3	0	0	0	0	8	1	0
May	9.9	SE.	46	NE.	2	4	4	3	7	3	2	3	5	0	4	18	9	14	12	0	0	1	1	1	0	3	10	0
June	6.6	E.	26	N.	0	3	4	9	2	0	1	5	4	2	10	15	5	11	7	0	0	0	0	0	0	6	11	0
July	5.9	SE.	25	S.	0	6	2	8	7	1	1	6	1	2	9	13	9	7	7	0	0	0	0	0	0	9	0	0
August	6.2	SE.	35	N.	0	2	5	3	10	1	3	2	4	1	8	17	6	14	10	0	0	1	0	0	0	9	0	0
September	6.0	N.	24	S.	0	7	2	2	3	1	5	3	6	1	12	7	11	6	4	1	0	0	2	0	0	2	2	0
October	6.6	SE.	24	NW.	0	5	0	4	6	4	2	6	4	0	6	10	15	8	7	4	4	0	1	0	0	7	3	0
November	8.0	NW.	34	NW.	0	4	1	4	3	2	2	6	8	0	9	9	12	8	6	3	3	0	1	4	0	19	2	0
December	8.6	NW.	30	NW.	0	1	6	4	1	1	1	6	10	1	4	10	17	10	6	9	5	0	2	9	0	27	0	0
Year	7.9	NW.	46	NE.	2	44	37	45	50	19	31	55	73	11	97	143	125	104	77	47	32	2	7	48	26	134	48	1

Annual meteorological summary for the year ending December 31, 1918—Continued.

YELLOWSTONE PARK, WYO.

[ϕ=44° 53′ N.; λ=110° 42′ W.]

Month.	Pressure.			Temperature.								Moisture.															
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.*	Noon, local time.	8 p. m.*	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.*	Noon, local time.	8 p. m.*	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	23.752	24.155	23.358	14.0	19.2	18.0	25.2	7.3	16.2	47	−32	10	13	12	80	76	76	0.074	0.088	0.081	1.98	0.28	6.5	6.8	7.3	6.8
February	23.776	24.270	23.285	13.8	22.6	23.0	28.1	8.4	18.2	44	−17	7	15	16	73	69	71	.065	.089	.090	2.08	.69	4.6	5.7	7.1	5.9
March	23.824	24.340	23.310	26.0	37.3	37.1	42.5	21.2	31.8	59	− 9	19	24	25	72	58	62	.107	.128	.134	1.89	.58	4.6	4.1	6.0	5.0
April	23.805	24.190	23.453	25.5	38.0	38.0	42.8	23.0	32.9	62	8	20	25	24	78	60	59	.110	.134	.130	1.59	.36	6.5	5.8	6.0	6.3
May	23.800	24.107	23.557	34.1	48.7	49.0	55.5	31.5	42.5	72	21	27	30	29	74	53	50	.148	.169	.162	1.95	.35	5.2	5.2	5.5	5.5
June	23.967	24.160	23.758	48.1	68.7	67.9	73.4	46.0	59.7	86	30	40	44	44	73	43	45	.251	.300	.300	2.97	.84	3.0	4.2	5.2	4.6
July	23.992	24.170	23.768	48.0	68.4	67.3	73.1	46.1	59.6	86	34	42	47	46	80	49	52	.271	.326	.314	2.14	.47	3.4	3.7	5.8	4.6
August	23.962	24.180	23.740	44.7	66.7	65.7	71.2	42.9	57.0	82	34	37	41	41	76	41	43	.228	.265	.261	.86	.19	2.2	3.6	3.4	3.6
September	24.008	24.230	23.760	39.8	57.4	57.3	63.6	37.7	50.6	79	29	33	39	39	77	55	54	.192	.240	.240	2.11	.48	4.3	4.3	4.6	4.6
October	23.944	24.200	23.470	35.6	48.9	45.8	53.9	33.2	43.6	69	17	30	34	33	78	59	64	.170	.205	.194	2.27	.45	4.6	4.3	4.7	5.2
November	23.865	24.180	23.340	21.9	31.6	28.2	36.1	17.4	26.8	56	− 5	16	20	18	76	60	64	.095	.106	.098	.66	.23	4.0	5.5	5.8	6.0
December	23.878	24.120	23.514	17.0	24.8	22.4	28.9	12.3	20.6	46	−20	10	14	14	71	62	68	.073	.083	.084	.39	.10	3.8	4.9	4.6	5.1
Year	23.881	24.340	23.285	30.7	44.4	43.3	49.4	27.2	38.3	86	−32	24	29	28	76	57	59	.149	.178	.174	20.84	.84	4.4	4.8	5.5	5.3

YUMA, ARIZ.

[ϕ=32° 45′ N.; λ=114° 36′ W.]

January	29.847	30.160	29.540	43.5	63.9	64.4	68.5	40.1	54.3	82	31	29	25	26	60	26	25	0.167	0.145	0.146	0.81	0.66	1.1	1.0	1.8	1.4
February	29.883	30.230	29.494	47.1	65.1	68.3	71.5	44.2	57.8	82	34	31	26	31	57	25	24	.187	.154	.185	.12	.12	1.5	1.6	2.1	2.0
March	29.827	30.110	29.469	55.0	74.2	76.9	79.7	52.3	66.0	93	43	39	32	36	59	25	26	.251	.197	.224	.72	.53	2.0	2.4	3.4	2.4
April	29.674	29.950	29.406	56.2	81.8	84.0	87.1	54.8	71.0	97	45	38	30	32	53	16	16	.238	.169	.187	.00	.00	0.4	0.6	0.9	0.5
May	29.676	29.880	29.514	60.2	84.2	87.0	89.7	59.4	74.6	99	52	44	38	39	55	21	19	.290	.239	.238	T.	T.	0.3	0.5	0.9	0.5
June	29.573	29.780	29.336	76.0	101.1	102.5	106.1	74.8	90.4	113	61	60	55	55	60	23	22	.541	.458	.456	.02	.01	1.2	0.4	0.5	0.7
July	29.621	29.770	29.461	78.4	101.3	103.0	105.8	74.7	90.2	111	64	64	60	61	63	29	28	.616	.551	.563	.02	.02	3.5	2.1	1.8	2.4
August	29.637	29.800	29.448	75.8	96.4	97.2	101.0	71.9	86.4	117	61	68	66	65	78	38	36	.704	.650	.636	.53	.40	2.0	2.8	2.8	2.4
September	29.643	29.810	29.468	73.0	96.6	96.2	100.3	68.9	84.6	107	59	62	62	63	68	31	32	.568	.557	.588	.02	.02	1.4	2.0	1.7	1.6
October	29.720	29.950	29.540	62.4	85.4	82.4	87.7	60.3	74.0	101	47	53	47	49	75	29	33	.433	.357	.376	.35	.33	0.8	1.0	1.7	1.2
November	29.815	30.310	29.500	50.1	71.8	66.9	73.9	46.9	60.4	90	35	37	33	35	63	26	32	.228	.201	.215	.07	.06	0.9	0.9	1.5	1.2
December	29.871	30.180	29.489	44.2	63.7	59.3	65.8	39.8	52.8	77	27	30	30	32	61	30	36	.177	.174	.184	.24	.16	1.3	1.1	1.0	1.7
Year	29.732	30.310	29.336	60.2	82.1	82.3	86.4	57.3	71.9	117	27	46	42	44	63	27	27	.367	.321	.333	2.90	.66	1.4	1.4	1.7	1.5

DUTCH HARBOR, ALASKA.

[ϕ=53° 55′ N.; λ=166° 30′ W.]

January	29.476	29.960	28.933	30.0	....	31.7	35.2	26.5	30.8	45	15	....	....	....	....	....	....	....	....	....	5.12	1.32	6.8	....	9.0	....
February	29.656	30.313	28.690	31.7	....	32.6	36.6	26.9	31.8	45	5	....	....	....	....	....	....	....	....	....	3.18	.55	6.5	....	8.0	....
March	30.042	30.850	29.240	31.9	....	37.0	41.2	27.9	34.6	52	8	....	....	....	....	....	....	....	....	....	.64	.25	6.0	....	6.1	....
April	29.904	30.495	28.470	34.7	....	38.1	41.6	31.1	36.4	49	20	....	....	....	....	....	....	....	....	....	1.47	.35	7.6	....	8.0	....
May	29.910	30.498	29.350	40.3	....	44.5	49.9	37.1	43.0	59	25	....	....	....	....	....	....	....	....	....	1.05	.15	8.0	....	9.3	....
June	29.950	30.517	29.486	43.7	....	47.1	50.0	40.8	45.4	56	36	....	....	....	....	....	....	....	....	....	.97	.29	9.0	....	10.0	....
July	29.882	30.390	28.990	49.4	....	53.2	56.5	46.3	51.4	65	41	....	....	....	....	....	....	....	....	....	1.39	.44	8.0	....	7.7	....
August	29.911	30.340	29.200	47.8	....	52.8	56.6	45.5	51.0	69	41	....	....	....	....	....	....	....	....	....	3.56	.84	7.1	....	8.3	....
September	29.613	30.280	28.968	44.4	....	46.6	49.5	41.3	45.4	56	35	....	....	....	....	....	....	....	....	....	5.85	1.18	7.2	....	8.8	....
October	29.606	30.450	28.740	39.4	....	41.3	44.9	36.1	40.5	51	29	....	....	....	....	....	....	....	....	....	3.26	.67	8.1	....	8.9	....
November	29.445	30.270	28.610	32.1	....	32.9	36.9	28.2	32.6	45	18	....	....	....	....	....	....	....	....	....	4.59	1.10	8.2	....	8.6	....
December	29.325	30.097	28.105	29.9	....	32.3	36.7	26.3	31.5	56	19	....	....	....	....	....	....	....	....	....	....	....	5.3	....	7.7	....
Year	29.727	30.850	28.105	37.9	....	40.8	44.6	34.5	39.5	69	5	....	....	....	....	....	....	....	....	....	....	....	7.3	....	8.4	....

EAGLE, ALASKA.

[ϕ=64° 46′ N.; λ=141° 12′ W.]

January	29.027	29.680	28.410	−11.1	....	−8.9	−4.2	−17.5	−10.8	14	−5	....	....	....	....	....	....	....	....	....	0.72	0.22	7.0	....	6.5	7.3
February	28.948	29.694	28.190	−14.2	....	−7.1	−0.5	−19.7	−10.1	30	−57	....	....	....	....	....	....	....	....	....	.42	.10	5.1	....	4.0	5.1
March	29.012	29.623	28.412	−10.9	....	2.0	10.4	−18.8	− 4.2	32	−49	....	....	....	....	....	....	....	....	....	.51	.18	4.1	....	5.4	4.4
April	28.907	29.340	28.443	19.9	....	31.4	36.4	14.1	25.2	47	26	....	....	....	....	....	....	....	....	....	.96	.48	8.0	....	7.9	7.9
May	28.964	29.368	28.352	40.1	....	51.9	56.1	31.3	43.7	77	22	....	....	....	....	....	....	....	....	....	.18	.10	6.6	....	6.5	7.0
June	28.984	29.272	28.590	49.9	....	60.7	65.2	40.0	52.6	77	26	....	....	....	....	....	....	....	....	....	1.33	.47	7.1	....	7.6	7.4
July	28.996	29.260	28.697	57.5	....	71.8	76.0	47.8	61.9	92	38	....	....	....	....	....	....	....	....	....	.80	.24	6.0	....	5.6	5.5
August	28.868	29.385	28.465	47.8	....	60.2	65.3	40.6	53.0	76	28	....	....	....	....	....	....	....	....	....	1.33	.44	7.9	....	7.3	7.8
September	28.926	29.567	28.070	42.1	....	54.9	59.5	36.8	48.2	78	18	....	....	....	....	....	....	....	....	....	.54	.42	6.3	....	7.4	7.0
October	28.810	29.461	28.185	17.0	....	21.7	27.8	13.2	20.5	53	−24	....	....	....	....	....	....	....	....	....	.88	.38	7.3	....	5.9	6.8
November	28.763	29.265	28.254	− 1.4	....	1.4	7.2	− 7.0	0.1	44	−44	....	....	....	....	....	....	....	....	....	.93	.26	6.8	....	5.9	7.4
December	28.810	29.380	28.070	− 5.1	....	− 5.6	1.5	−15.5	− 7.0	42	−57	....	....	....	....	....	....	....	....	....	.33	.16	4.5	....	4.0	5.3
Year	28.918	29.694	28.070	19.3	....	27.9	33.4	12.1	22.8	92	−57	....	....	....	....	....	....	....	....	....	8.93	.48	6.4	....	6.1	6.6

*6 a. m. and 6 p. m. local time to Feb. 10, inclusive; 1 a. m. and 1 p. m. local time afterwards at Dutch Harbor; 8 a. m. and 7 p. m., normal time at Eagle: except from April to October, inclusive, at 7 a. m. and 6 p. m., normal time.

Annual meteorological summary for the year ending December 31, 1918—Continued.

YELLOWSTONE PARK, WYO.

[H_b=6,200 ft.; h_t=11 ft.; h_r=4 ft.; h_a=48 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.	Wind. Number of winds, 8 a. m. and 8 p. m.* North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. 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	S.	32	SW.	0	4	3	0	4	19	13	6	10	3	6	8	17	22	19	23	22	0	0	22	0	30	0	0
February	10.1	S.	40	NW.	1	1	3	1	2	30	12	4	3	0	6	11	11	14	12	17	14	0	0	19	0	28	0	0
March	9.6	S.	35	SW.	0	5	0	0	1	32	17	2	5	0	12	9	10	14	11	12	9	0	0	4	0	28	0	0
April	8.4	NW.	29	NW.	0	12	3	0	0	12	12	5	15	1	3	19	8	18	12	17	16	0	0	4	0	25	0	0
May	9.0	S.	33	S.	0	7	5	0	2	21	17	2	8	0	7	16	8	16	10	9	8	0	0	0	0	19	2	0
June	6.8	S.	32	SW.	0	0	1	0	1	25	13	5	15	0	8	20	2	13	9	0	0	0	0	0	0	1	10	0
July	6.3	S.	36	SW.	0	2	2	0	3	25	14	5	11	0	10	14	7	15	11	0	0	1	0	0	0	0	8	0
August	6.4	S.	39	S.	0	1	1	0	5	19	20	3	12	1	14	15	2	10	6	0	0	0	0	0	0	0	10	0
September	5.7	NW.	31	NW.	0	5	3	0	0	14	5	7	26	0	12	9	9	11	8	0	0	1	0	0	0	5	2	0
October	6.2	S.	24	S.	0	2	0	1	8	31	13	2	5	0	9	12	10	16	13	8	7	0	0	0	0	13	0	0
November	7.1	S.	30	S.	0	9	3	0	7	21	9	1	10	0	8	8	14	11	6	10	10	0	0	12	0	28	0	0
December	8.8	S.	36	SW.	0	7	1	0	6	26	9	4	8	1	12	6	13	10	6	10	10	0	0	20	0	29	0	0
Year	7.6	S.	40	NW.	1	55	25	2	39	275	154	46	128	6	107	147	111	170	123	106	96	3	0	81	0	206	32	0

YUMA, ARIZ.

[H_b=141 ft.; h_t=9 ft.; h_r=2 ft.; h_a=54 ft.]

January	6.0	N.	39	N.	0	23	8	1	5	4	2	9	10	0	27	2	2	2	2	0	0	0	0	0	0	1	0	0
February	6.3	N.	26	N.	0	17	4	3	5	10	1	8	8	0	21	5	2	1	1	0	0	0	0	0	0	0	0	0
March	6.2	N.	34	E.	0	14	10	6	4	7	5	9	7	0	22	5	4	3	3	0	0	0	0	0	2	0	1	0
April	6.2	W.	34	N.	0	14	4	1	0	8	11	14	8	0	28	2	0	0	0	0	0	0	0	0	12	0	0	0
May	6.5	W.	30	SE.	0	6	1	2	4	6	7	27	9	0	31	0	0	0	0	0	0	0	0	0	19	0	0	0
June	5.8	SW.	38	SE.	0	1	2	0	7	13	18	18	1	0	30	0	0	2	0	0	0	0	0	0	30	0	1	0
July	5.1	SW.	35	NE.	0	1	5	5	13	10	15	11	1	1	17	14	0	1	0	0	0	0	0	0	31	0	0	0
August	5.6	W.	36	SE.	0	0	4	5	11	7	15	15	4	1	23	7	1	4	3	0	0	0	0	0	29	0	2	0
September	4.2	W.	18	S.	0	0	6	3	4	4	11	23	9	0	25	5	0	1	0	0	0	0	0	0	30	0	1	0
October	3.9	N.	27	S.	0	12	6	3	6	3	11	13	8	0	28	2	1	2	1	0	0	0	0	0	12	0	0	0
November	5.8	N.	33	NW.	0	17	8	2	1	5	3	13	11	0	26	3	1	2	1	0	0	0	0	0	1	0	0	0
December	5.4	N.	26	N.	0	27	14	4	4	2	0	4	7	0	24	4	3	3	2	0	0	0	0	0	0	3	0	0
Year	5.6	W.	39	N.	0	132	72	35	64	79	99	164	83	2	302	49	14	21	13	0	0	0	0	0	166	4	5	0

DUTCH HARBOR, ALASKA.

[H_b=13 ft.; h_t=4 ft.; h_r=3 ft.; h_a=— ft.]

January		†NW.				0	2	1	18	0	4	3	20	14	2	8	21	17	16	9				8	0	27		
February		SE.				0	0	1	21	3	3	0	17	11	9	0	19	21	16					6	0	22		
March		SE.				1	2	0	22	2	4	1	20	10				8	4					5	0	24		
April		SE.				1	3	1	20	1	7	2	11	14	12	0	18	17	12					0	0	18		
May		SE.				1	4	2	28	2	5	0	9	11	8	0	23	15	13					0	0	4		
June		SE.				1	12	0	25	1	0	0	4	17	4	0	26	9	8	0	0			0	0	0		
July		SE.				0	4	0	35	1	0	0	2	20				11	8	0	0	2		0	0	0		
August		SE.				0	12	0	21	0	6	0	1	22	4	1	26	14	9	0	0	1		0	0	0		
September		NW.				1	5	0	11	0	1	5	12	25				24	22					0	0	0		
October		NW.				1	0	0	15	0	6	4	24	12				20	15					0	0	6		
November		SE.				0	6	3	16	0	1	1	15	18				19	15					4	0	26		
December		SE.				0	2	2	20	0	1	3	18	16										8	0	30		
Year		SE.				6	52	10	252	10	38	19	153	190										31	0	157		

EAGLE, ALASKA.

[H_b=834 ft.; h_t=5 ft.; h_r=3 ft.; h_a=— ft.]

January		†SE.				0	1	12	14	1	0	0	2	32	4	7	20	12	7	16	12	0	0	31	0	31		
February		SE.				2	2	0	19	0	0	0	10	23	9	8	11	7	5	13	7	0	0	28	0	28		
March		SE.				2	3	3	16	2	1	2	13	20	15	7	9	7	4	13	7	0	0	31	0	31		
April		NW.				2	2	4	7	5	5	0	16	19	2	8	20	10	6	13	10	0	0	9	0	27		
May		NW.				0	8	4	5	0	10	0	10	25	6	8	17	4	2	4	2	0	0	0	0	18		
June		E.NW.				8	5	10	4	0	0	2	10	21	4	7	19	9	7	0	0	1	0	0	0	4		
July		NW.				4	7	8	5	0	0	1	11	26	9	6	16	11	5	0	0	0	0	0	2	0		
August		E.				1	2	11	5	3	0	3	7	30	2	8	21	15	10	0	0	0	0	0	0	5		
September		NW.				1	4	9	6	9	3	2	10	16	6	9	15	5	3	0	0	0	1	0	0	8		
October		W.				5	2	7	4	2	2	16	4	20	6	6	19	7	6	8	5	0	0	14	0	26		
November		W.				4	0	8	1	0	0	14	1	32	6	7	17	12	9	20	12	0	0	28	0	30		
December		E.				1	1	24	4	0	0	9	0	23	10	11	10	5	3	12	4	0	0	27	0	31		
Year		E.				30	37	100	90	22	21	49	94	287	79	92	194	104	67	99	59	1	1	168	2	239		

*At the observation hours at Dutch Harbor and Eagle; see preceding page.

†By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1918—Continued.

KODIAK, ALASKA.

[ϕ=57° 47′ N.; λ=152° 22′ W.]

Month.	Pressure.			Temperature.								Moisture.															
	Extremes.			Mean.					Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m. *	Noon, local time.	8 p. m. *	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m. *	Noon, local time.	8 p. m. *	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	29.552	30.202	28.854	30.6		31.2	34.3	26.7	30.5	39	7										5.98	0.92	7.2		7.6	
February	29.616	30.339	28.814	28.2		30.2	34.0	23.9	29.0	47	13										1.96	.98	5.5		3.7	
March	29.774	30.346	28.538	27.8		30.9		22.9			13												3.9		3.9	
April	29.840	30.459	29.032	32.5		37.2	41.2	29.2	35.2	49	18												4.3		6.1	
May	29.963	30.381	29.350	39.6		45.7	48.7	36.7	42.7	58	25												6.8		6.9	
June	30.006	30.305	29.584	45.9		52.9	58.1	42.8	50.4	71	37										3.21	2.55				
July	30.003	30.289	29.730	50.2		59.0	63.0	47.7	55.4	80	43										1.20	.40				
August	29.826	30.286	29.310	50.0		56.1	59.6	47.6	53.6	68	42										3.80	1.36				
September	29.720	30.372	28.760	47.9		50.0	52.6	44.2	48.4	62	34										10.21	2.52				
October	29.384	29.904	28.659	40.9		43.8	46.6	37.5	42.0	54	23										7.99	1.58	8.2			
November	29.326	29.805	28.556	30.3		33.6	37.9	25.5	31.7	44	11										6.04	1.93				
December	29.349	29.931	28.575	29.6		31.5	36.1	25.5	30.8	47	− 4										6.60	1.51				
Year	29.696	30.459	28.538	37.8		41.8		34.2		80	− 4															

NOME, ALASKA.

[ϕ=64° 30′ N.; λ=165° 24′ W.]

January	29.846	30.480	29.410	1.6		1.7	8.3	−4.8	1.8	33	−22										0.90	0.28	2.9		3.6	3.4
February	29.790	30.385	28.560	−0.5		1.5	7.3	−5.2	1.0	34	−30										1.56	.70	3.5		4.6	4.8
March	29.966	30.810	29.130	−0.1		6.4	12.2	−5.4	3.4	39	−32										2.03	.84	4.7		4.3	4.5
April	29.844	30.353	29.070	6.1		17.2	20.4	2.6	11.5	37	−30										.93	.44	6.1		4.3	4.9
May	29.927	30.348	29.430	29.8		35.9	37.8	25.4	31.6	50	7										2.26	.62	7.0		5.2	5.6
June	30.007	30.312	29.742	40.1		42.8	46.8	32.5	39.6	62	27										.87	.54	3.4		5.8	5.1
July	29.918	30.358	29.441	50.1		54.8	59.2	44.9	52.0	74	35										2.09	.81	7.1		6.6	7.4
August	29.764	30.229	29.393	45.3		53.8	57.1	43.4	50.2	65	27										1.19	.31	6.4		6.4	6.6
September	29.702	30.410	28.830	39.2		43.9	47.8	36.5	42.2	57	22										1.92	.64	6.6		5.6	6.4
October	29.714	30.390	29.312	23.2		25.8	31.0	19.4	25.2	44	4										.35	.15	4.2		3.7	4.1
November	29.728	30.130	29.200	2.7		2.0	10.4	−4.9	2.8	31	−24										.06	.06	3.0		2.0	2.5
December	29.602	30.310	28.870	2.9		2.2	8.1	−5.3	1.4	34	−36										.65	.17	3.3		3.6	3.4
Year	29.817	30.810	28.560	20.0		24.0	28.9	14.9	21.9	74	−36										14.81	.84	4.8		4.6	4.9

SITKA, ALASKA.

[ϕ=57° 04′ N.; λ=135° 20′ W.]

January	29.674	30.564	28.887			35.2	40.1	30.9	35.5	47	17										8.87	1.62			7.4	
February	29.571	30.333	28.544			32.5	38.4	27.6	33.0	44	12										6.39	1.10			7.0	
March	29.572	30.291	28.863			31.9	40.0	26.7	33.4	50	9										4.52	1.10			6.7	
April	29.903	30.556	28.881			38.3	45.2	32.5	38.8	56	23										5.70	1.87			9.5	
May	29.931	30.298	29.317			44.9	54.5	36.8	45.6	64	30										5.47	1.55			5.9	
June	29.949	30.231	29.392			50.8	59.5	44.2	51.8	74	34										3.45	1.29			7.3	
July	29.945	30.201	29.714			57.3	62.8	49.6	56.2	78	40										1.77	.62			6.1	
August	29.886	30.252	29.532			53.4	56.6	49.8	53.2	62	45										14.45	2.20			8.2	
September	29.974	30.249	29.429			50.3	58.1	45.1	51.6	68	37										8.94	2.00			4.9	
October	29.528	29.940	28.886			44.4	50.4	40.8	45.6	61	33										15.98	1.83			9.1	
November	29.493	30.135	28.757			40.4	45.7	34.5	40.1	58	22										17.14	3.75			8.7	
December	29.626	30.402	28.926			34.4	39.7	28.8	34.2	48	16										13.43	2.00			7.0	
Year	29.754	30.556	28.544			42.8	49.2	37.3	43.2	78	9										106.11	3.75			7.3	

TANANA, ALASKA.

[ϕ=65° 10′ N.; λ=152° 06′ W.]

January	29.686	30.330	28.880	−15.8		−12.1	− 7.7	−22.1	−14.9	14	−47										0.22	0.06	4.0		3.0	3.9
February	29.621	30.380	28.782	−12.0		− 6.8	1.9	−18.6	− 8.4	34	−47										1.09	.63	5.8		4.6	5.2
March	29.750	30.500	29.024	−14.0		− 0.8	10.2	−19.7	− 4.8	32	−52										1.43	.36	5.3		5.3	5.2
April	29.627	30.048	29.092	9.3		24.7	29.1	3.9	16.5	43	−34										1.01	.26	6.9		6.9	6.7
May	29.726	30.170	29.113	33.8		45.5	48.6	28.9	38.8	67	16										.79	.26	6.2		5.9	5.7
June	29.710	30.041	29.321	50.3		60.5	64.5	41.7	53.1	77	31										2.20	1.08	5.6		6.5	6.0
July	29.686	29.992	29.381	57.1		70.4	74.6	47.4	61.0	88	35										2.22	1.06	5.5		5.4	5.5
August	29.584	30.050	29.170	45.9		59.3	63.6	40.8	52.2	74	25										1.94	.44	7.6		7.0	6.8
September	29.540	30.260	28.540	39.7		49.5	54.7	36.4	45.6	75	22										1.66	.34	7.4		6.7	7.0
October	29.442	30.144	28.956	19.2		22.0	26.6	16.3	21.4	53	− 6										.54	.24	6.3		5.7	6.0
November	29.432	29.930	28.714	− 3.4		− 6.4	− 0.4	−11.9	− 6.2	26	−40										.30	.14	5.7		5.2	5.8
December	29.438	30.100	28.772	−11.5		−12.6	− 6.6	−18.6	−12.6	27	−56										.48	.22	4.6		5.2	5.8
Year	29.604	30.500	28.540	16.6		24.4	29.9	10.4	20.1	88	−56										13.88	1.08	5.9		5.6	5.8

* 7 a. m. and 7 p. m. local time to Feb. 10, inclusive: 2 a. m. and 2 p. m. thereafter at Kodiak. 6 a. m. and 6 p. m., at Nome, except 5 a. m. and 5 p. m., summer time, April 1 to Sept. 5, inclusive. 8 p. m. local time 135th meridian, at Sitka. 7 a. m. and 7 p. m. local time at Tanana.

Annual meteorological summary for the year ending December 31, 1918—Continued.

KODIAK, ALASKA.

[H_b=15 ft.; h_t=6 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.	Wind. Number of winds at observation hours. 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	.....	N.	.....	.....	.....	14	3	1	1	1	3	6	12	21	2	10	19	.....	.....	.....	.....	.....	.....	4	0	23	.....	.....
February	.....	W.	.....	.....	.....	5	3	0	1	4	8	14	11	10	11	8	9	.....	.....	.....	.....	.....	.....	13	0	23	.....	.....
March	.....	W.	.....	.....	.....	0	0	0	1	1	6	26	15	13	13	9	9	.....	.....	.....	.....	.....	.....	.....	.....	31	.....	.....
April	.....	NW.	.....	.....	.....	2	2	1	8	2	8	7	11	19	9	6	15	.....	.....	.....	.....	.....	.....	2	0	21	.....	.....
May	.....	SW.	.....	.....	.....	5	3	2	7	4	13	1	0	27	7	3	21	.....	.....	.....	.....	.....	.....	0	0	5	.....	.....
June	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7	7	16	.....	.....	0	0	.....	5	0	0	0	.....	.....
July	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	0	.....	6	0	0	0	.....	.....
August	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	0	.....	.....	.....	.....	.....	.....	.....
September	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	0	.....	1	0	0	0	.....	.....
October	.....	NW.	.....	.....	.....	7	4	4	2	1	9	11	12	11	3	6	22	.....	.....	1	0	.....	.....	0	0	4	.....	.....
November	.....	NW.	.....	.....	.....	1	10	6	4	0	1	6	22	10	6	6	18	12	11	.....	.....	.....	.....	4	0	25	.....	.....
December	.....	NW.	.....	.....	.....	5	9	6	4	0	5	11	12	10	1	10	20	15	14	.....	.....	.....	.....	9	0	24	.....	.....
Year	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

NOME, ALASKA.

[H_b=22 ft.; h_t=3 ft.; h_r=32 ft.; h_a=38 ft.]

January	5.9	N.	37	.....	0	36	9	3	7	0	0	2	3	2	18	4	9	8	5	9	8	0	.....	30	0	31	.....	3
February	7.3	N.	38	.....	0	16	10	3	3	4	3	3	3	11	11	7	10	10	6	10	10	0	.....	27	0	28	.....	5
March	8.0	NE.	36	.....	0	13	15	12	0	2	7	4	4	5	14	6	11	12	9	13	.....	.....	.....	28	0	31	.....	1
April	†5.7	NE.	†28	.....	0	6	24	6	2	4	1	7	10	0	15	5	10	8	3	5	7	.....	.....	26	0	30	0	.....
May	†5.7	E.	†20	.....	0	2	12	14	6	6	10	7	5	0	12	4	15	16	8	4	0	.....	.....	4	0	27	.....	.....
June	†4.4	W.	†20	.....	0	1	6	6	11	6	12	13	4	1	14	3	13	4	3	0	0	.....	4	0	0	17	.....	.....
July	†5.2	SW.	†32	.....	0	3	9	7	10	10	12	9	0	2	6	3	22	16	11	0	0	.....	.....	0	0	0	0	.....
August	†6.3	SW.	†34	.....	0	11	2	5	10	7	14	12	1	0	9	2	20	11	8	0	0	.....	.....	0	0	1	.....	1
September	†8.8	N.	†37	.....	0	27	2	10	4	5	4	4	4	0	6	9	15	11	9	2	0	.....	.....	0	0	6	.....	3
October	7.9	N.	36	.....	0	42	7	0	3	2	1	1	6	0	17	3	11	4	4	7	2	.....	.....	20	0	30	.....	1
November	6.3	N.	38	.....	0	34	13	0	0	0	0	3	3	7	20	5	5	1	0	3	1	.....	.....	30	0	30	.....	2
December	7.7	NE.	30	.....	0	15	19	3	1	0	1	13	10	0	18	6	7	9	7	13	9	0	.....	30	0	31	0	2
Year	6.6	N.	38	.....	0	206	128	69	57	46	65	78	53	28	160	57	148	110	73	66	.....	.....	.....	195	0	262	.....	.....

SITKA, ALASKA.

[H_b=90 ft.; h_t=3 ft.; h_r=2 ft.; h_a=— ft.]

January	.....	*NE.	.....	.....	.....	2	11	6	1	0	2	0	0	9	7	1	23	18	18	6	3	.....	.....	2	0	17	.....	.....
February	.....	E.	.....	.....	.....	1	6	9	0	0	0	3	2	7	7	5	16	20	19	16	.....	.....	.....	1	0	24	.....	.....
March	.....	E.	.....	.....	.....	0	5	19	0	0	0	6	0	1	10	6	15	22	19	18	.....	.....	.....	3	0	28	.....	.....
April	.....	E.	.....	.....	.....	1	3	8	1	0	3	1	7	6	2	9	19	18	14	7	.....	.....	.....	0	0	17	.....	.....
May	.....	NW.	.....	.....	.....	0	4	2	0	4	1	5	8	7	11	8	12	14	11	0	0	.....	.....	0	0	4	.....	.....
June	.....	NW.	.....	.....	.....	0	1	1	1	2	4	4	6	11	7	3	20	16	10	0	0	0	.....	0	0	0	0	.....
July	.....	W.	.....	.....	.....	0	0	0	0	0	4	10	5	12	13	1	17	13	9	0	0	.....	.....	0	0	0	.....	.....
August	.....	SW.	.....	.....	.....	0	0	2	1	1	8	2	5	12	6	4	21	25	25	0	0	.....	2	0	0	0	.....	.....
September	.....	NW.	.....	.....	.....	2	0	5	1	2	3	2	9	6	13	7	10	12	11	0	0	.....	1	0	0	0	.....	1
October	.....	E.	.....	.....	.....	0	3	17	2	3	2	3	0	1	0	4	27	28	28	1	0	.....	.....	0	0	0	.....	.....
November	.....	E.	.....	.....	.....	1	0	16	5	3	0	2	2	1	3	2	25	24	20	4	2	.....	.....	0	0	7	.....	.....
December	.....	E.	.....	.....	.....	0	6	11	4	2	1	2	1	4	3	4	24	23	23	13	7	.....	.....	4	0	19	1	.....
Year	.....	E.	.....	.....	.....	7	39	96	16	17	28	40	45	77	82	54	229	233	207	65	.....	.....	.....	10	0	116	.....	.....

TANANA, ALASKA.

[H_b=242 ft.; h_t=4 ft.; h_r=3 ft.; h_a=— ft.]

January	.....	*E.	.....	.....	.....	2	8	24	3	0	1	6	6	12	17	5	9	7	2	9	7	.....	.....	31	0	31	.....	.....
February	.....	E.	.....	.....	.....	3	5	17	3	0	2	13	5	8	10	9	9	11	6	13	11	.....	.....	26	0	28	.....	.....
March	.....	E.	.....	.....	.....	11	8	22	5	0	1	5	3	7	12	7	12	9	8	13	9	.....	.....	31	0	31	.....	.....
April	.....	E, W.	.....	.....	.....	2	3	15	13	0	3	15	5	4	5	11	14	11	6	17	11	.....	.....	15	0	30	.....	.....
May	.....	NW.	.....	.....	.....	7	3	5	9	0	5	13	7	13	9	9	13	8	7	6	2	.....	.....	0	0	20	.....	.....
June	.....	SE.	.....	.....	.....	4	2	2	17	0	9	12	4	10	10	6	14	13	8	0	0	.....	0	0	0	2	2	.....
July	.....	SE.	.....	.....	.....	5	7	4	12	1	11	10	4	8	8	13	10	13	9	0	0	.....	.....	0	0	0	.....	.....
August	.....	SE.	.....	.....	.....	6	5	8	11	2	10	8	7	5	5	9	17	18	14	0	0	.....	.....	0	0	4	.....	.....
September	.....	E.	.....	.....	.....	8	8	15	8	0	6	4	10	1	8	4	18	13	13	1	0	.....	.....	0	0	10	0	.....
October	.....	NE.	.....	.....	.....	5	21	18	4	0	2	5	7	0	12	2	17	4	3	7	4	.....	1	17	0	31	.....	.....
November	.....	NE.	.....	.....	.....	4	14	9	1	2	9	6	7	8	10	7	13	6	3	11	6	.....	.....	30	0	30	.....	.....
December	.....	NE.	.....	.....	.....	1	18	8	7	0	0	4	4	20	10	8	13	6	4	8	6	.....	1	31	0	31	.....	.....
Year	.....	E.	.....	.....	.....	58	102	147	93	5	59	101	69	96	116	90	159	119	83	85	56	.....	.....	181	0	248	.....	.....

* By eye observations at this station.

† Data set back to normal time.

Annual meteorological summary for the year ending December 31, 1918—Continued.

VALDEZ, ALASKA.

[ϕ=61° 07′ N.; λ=146° 16′ W.]

Month.	Pressure.			Temperature.								Moisture.															
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.				
	Monthly mean.	Maximum.	Minimum.	8 a. m. *	Noon, local time.	8 p. m. *	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m. *	Noon, local time.	8 p. m. *	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	°	°	%	%	%	*In.*	*In.*	*In.*	*In.*	*In.*				
January	29.727	30.571	28.990	18.1	....	18.3	24.9	11.5	18.2	36	− 3	....	....	....	....	....	....	....	....	....	5.12	1.30	....	....	....	....
February	29.684	30.440	28.893	13.7	....	18.0	24.8	7.4	16.1	34	−12	....	....	....	....	....	....	....	....	....	1.99	.90	4.7	....	3.1	....
March	29.778	30.395	28.870	14.9	....	17.6	27.8	8.5	18.2	40	−11	....	....	....	....	....	....	....	....	....	1.65	.68	3.5	....	3.4	....
April	29.912	30.558	29.191	28.1	....	29.9	37.6	22.5	30.0	45	8	....	....	....	....	....	....	....	....	....	7.54	1.62	7.4	....	7.9	....
May	30.040	30.481	29.351	41.3	....	42.3	49.9	32.4	41.2	56	26	....	....	....	....	....	....	....	....	....	1.50	.44	5.7	....	5.4	....
June	30.042	30.391	29.561	50.1	....	53.1	58.2	43.1	50.6	74	34	....	....	....	....	....	....	....	....	....	1.24	.36	6.1	....	5.5	....
July	30.050	30.318	29.721	51.9	....	58.2	62.4	46.6	54.5	76	40	....	....	....	....	....	....	....	....	....	1.39	.71	6.4	....	5.0	....
August	29.898	30.451	29.401	48.3	....	51.3	56.5	41.9	49.2	65	36	....	....	....	....	....	....	....	....	....	5.98	.68	7.1	....	7.4	....
September	29.966	30.481	28.791	42.4	....	44.4	49.5	39.3	44.4	59	30	....	....	....	....	....	....	....	....	....	14.20	2.10	8.7	....	8.4	....
October	29.540	30.071	28.741	35.6	....	36.6	41.4	32.1	36.8	54	29	....	....	....	....	....	....	....	....	....	4.41	.78	7.7	....	6.7	....
November	29.464	30.090	28.860	25.9	....	26.8	31.6	21.6	26.6	40	− 2	....	....	....	....	....	....	....	....	....	4.49	1.39	7.9	....	7.6	....
December	29.552	30.410	28.563	20.4	....	21.8	26.2	16.5	21.4	41	−10	....	....	....	....	....	....	....	....	....	8.22	1.97	7.1	....	6.5	....
Year	29.804	30.571	28.563	32.5	....	34.9	40.9	27.0	33.9	76	−12	....	....	....	....	....	....	....	....	....	57.73	2.10	....	....	....	....

*7 a. m. and 7 p. m., local time, at Valdez.

Annual meteorological summary for the year ending December 31, 1918—Continued.

VALDEZ, ALASKA.

[H_b=27 ft.; h_t=5 ft.; h_r=4 ft.; h_a=— ft.]

Month.	Wind.														Number of days.												
	By eye observations.				Number of winds, 8 a. m. and 8 p. m.													Precipitation.		Snow.				Maximum temp.		Minimum temperature 32° or below.	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.		Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January		NE.													16	1	14	15	15	16	15			25	0	31		
February		N.													19	0	9	10	7	11	9			25	0	28		
March		N.													22	2	7	7	6	7	7			19	0	31		
April		N.													6	2	22	24	21					4	0	30		
May		N.													14	5	12	10	8	0	0			0	0	16		
June		SW.													14	5	11	10	7	0	0			0	0	0		
July		SW.													15	1	15	9	6	0	0			0	0	0		
August		SW.													6	8	17	22	18	0	0			0	0	0		
September		SW.													4	2	24	21	20	0	0			0	0	3		
October		N.													7	7	17	16	13	4	1			4	0	16		
November		N.													5	3	22	17	13	17	14			12	0	29		
December		N.													8	5	18	15	15	13	12			20	0	29		
Year		N.													136	41	188	176	149					109	0	213		

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PART IV.

MONTHLY AND ANNUAL PRECIPITATION, 1918 (ALL STATIONS)—MONTHLY AND SEASONAL SNOWFALL, SEASON 1918–19 (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 reports are received 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 monthly and seasonal amounts of snowfall for the winter of 1918–19 are given for selected stations in the United States and Canada.

Monthly and annual precipitation for 1918.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Alabama.													
Alaga	4.11	3.22	0.22	7.30	2.75	2.68	3.35	4.05	5.56	4.20	7.75	7.30	52.49
Anniston	8.59	1.91	0.68	8.33	1.20	5.08	6.69	2.71	7.71	8.65	3.87	5.51	60.93
Asheville	.....	.....	.....	.....	.....	4.82	4.06	1.05	4.06	8.66	4.83	4.73	.....
Auburn	5.59	2.69	0.69	6.02	1.80	4.68	4.63	5.23	2.71	4.09	5.72	9.12	52.97
Bay Minette	4.55	3.30	0.45	11.05	3.62	2.43	6.56	5.54	5.86	8.55	1.95	.....	.....
Benton	10.19	3.31	0.93	7.21	1.39	4.01	5.37	2.28	5.31	6.23	4.04	5.72	55.99
Bermuda	.....	.....	0.81	10.20	2.09	.....	3.02	.....	.....	.....	.....	.....	.....
Birmingham	8.94	1.94	0.32	7.17	4.07	7.64	3.34	0.98	7.73	10.84	5.25	4.14	62.36
Bridgeport	7.55	3.22	1.14	7.80	3.12	3.24	1.82	0.86	3.36	8.27	2.55	2.96	45.89
Calera	8.08	1.87	0.40	6.04	2.45	2.28	3.86	1.73	6.85	10.74	6.13	5.57	56.00
Camp Hill	9.37	2.45	0.00	7.10	2.20	8.36	5.05	3.95	2.20	3.36	4.55	7.00	55.59
Centerville	9.20	1.83	0.39	7.77	1.91	2.36	5.81	2.37	6.21	12.54	5.02	4.36	59.77
Citronelle	5.05	3.03	1.02	12.68	1.91	3.73	6.36	3.02	5.37	9.86	5.93	6.24	64.20
Clanton	8.72	1.82	0.57	5.73	2.45	4.59	4.28	3.45	5.60	7.16	5.01	6.28	55.86
Cochrane	8.00	3.04	1.68	9.13	1.25	4.32	1.32	2.93	5.25	9.28	4.20	2.30	52.70
Cordova	.....	3.38	0.62	5.69	2.50	.....	.....	0.00	3.50	.....	.....	.....	.....
Dadeville	7.08	2.27	0.02	5.56	1.62	5.82	4.43	.....	2.18	3.74	4.63	7.59	.....
Daphne	9.10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Decatur	5.24	1.80	1.11	7.80	3.82	4.48	3.56	0.47	2.41	6.16	3.15	3.17	43.17
Demopolis	9.10	2.13	1.08	10.74	2.53	6.19	3.81	3.70	6.05	16.57	4.62	2.53	69.05
Eufaula	4.46	2.77	0.77	7.00	2.50	3.42	2.72	6.93	0.99	3.88	6.65	9.09	51.18
Evergreen	6.25	2.39	0.74	7.55	2.56	3.27	4.14	4.99	2.73	6.87	5.84	6.11	53.44
Flomaton	4.39	3.20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Florence	7.24	2.30	1.52	4.90	5.22	4.11	2.10	2.58	4.59	11.05	3.46	4.16	53.23
Fort Deposit	8.15	1.63	2.03	7.07	0.14	.....	4.87	3.34	.....	.....	.....	.....	.....
Gadsden	10.58	3.68	1.26	6.92	3.23	6.04	2.62	0.56	3.75	9.93	6.22	5.20	59.99
Goodwater	7.02	2.30	0.34	3.41	1.03	4.66	2.59	1.39	3.29	5.23	5.08	7.22	43.56
Greensboro	9.09	2.46	1.02	9.75	2.62	3.71	3.61	1.52	3.79	15.87	4.89	5.31	63.64
Greenville	6.00	1.90	0.76	5.54	2.25	2.12	3.76	3.23	1.74	4.52	5.78	6.48	44.08
Guntersville	9.58	3.07	1.00	8.78	3.07	5.95	5.60	1.59	6.47	10.45	4.55	3.68	63.79
Hamilton	3.82	1.48	0.10	6.55	3.17	3.19	4.65	1.76	2.45	6.00	.....	.....	.....
Healing Springs	8.14	1.62	1.26	9.45	3.98	3.72	1.75	3.05	4.45	12.95	5.15	5.52	61.04
Helena	8.50	2.34	0.30	7.61	2.32	3.88	3.79	2.75	5.99	12.36	5.57	4.71	60.12
Highland Home	6.26	1.73	1.54	5.80	1.07	3.36	3.10	5.18	5.09	7.53	5.81	7.60	54.07
Leeds	10.12	2.29	0.00	6.98	.....	3.14	4.71	1.47	5.55	11.69	4.34	.....	.....
Livingston	0.58	.....	.....	10.50	1.40	3.00	4.25	1.50	5.17	13.20	3.45	6.15	.....
Lock No. 4	8.06	2.81	0.37	7.62	1.27	3.15	5.46	1.91	5.21	9.89	5.75	6.39	57.89
Madison	5.92	2.14	1.09	9.08	3.57	6.70	3.30	0.08	3.16	7.41	4.64	3.44	50.53
Maple Grove	10.73	3.25	0.72	6.95	1.83	4.93	3.53	0.94	2.82	9.52	4.43	5.04	54.69
Marion	9.94	1.41	1.02	7.11	2.07	4.42	3.44	1.82	7.35	12.72	4.62	3.02	58.94
Mentone	11.03	3.52	0.79	10.30	2.83	3.81	2.82	1.22	3.03	8.10	4.09	4.66	56.20
Milstead	8.70	2.35	1.05	6.88	2.33	5.45	3.46	6.69	4.44	5.90	6.96	9.81	64.02
Mobile	3.87	3.33	0.79	11.11	2.90	2.92	2.85	14.16	5.17	10.57	7.14	4.92	69.73
Montgomery	8.34	1.69	1.24	5.96	1.34	3.20	2.08	4.95	2.66	5.32	6.08	8.36	51.22
Oneonta	9.83	3.45	0.76	6.16	3.71	4.43	5.68	3.83	3.58	9.69	3.96	5.24	60.32
Opelika	6.20	2.27	0.91	6.91	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ozark	4.29	2.00	0.59	9.08	3.16	2.65	3.38	4.65	1.71	5.19	8.64	9.56	54.90
Prattville	7.29	1.86	0.71	5.97	1.73	4.28	3.21	2.97	1.80	7.35	5.34	6.95	49.46
Pushmataha	9.33	1.59	0.79	10.71	2.40	2.76	1.95	5.10	5.04	13.09	6.26	5.86	64.88
Riverton	7.76	1.93	0.80	5.12	2.65	2.50	4.07	2.56	2.83	6.25	4.01	4.63	45.11
Robertsdale	5.32	1.80	0.86	12.42	2.84	6.37	7.42	10.20	4.41	12.36	5.45	9.09	78.54
Scottsboro	8.37	1.92	1.34	7.52	3.31	4.56	4.45	0.90	2.61	10.85	0.92	2.81	49.56
Selma	8.02	1.87	0.51	5.64	3.03	5.69	4.47	1.83	4.84	9.23	6.76	5.40	57.29
Silverhill	.....	.....	0.89	11.12	4.12	3.69	3.24	.....	4.22	10.59	6.29	7.86	.....
Spring Hill	3.39	3.72	0.50	10.83	2.79	3.35	4.88	18.26	7.53	15.34	6.56	5.27	82.42
St. Bernard	9.04	3.29	0.65	8.34	3.28	6.08	4.00	0.64	2.92	9.57	4.74	3.77	56.32
Talladega	9.71	2.14	0.40	6.11	1.50	6.98	6.15	5.80	7.87	12.42	4.05	6.10	69.23
Tallassee	10.74	1.38	0.82	5.20	1.81	7.37	3.02	6.09	2.88	3.46	5.60	8.92	57.29
Thomasville	5.99	1.60	1.70	6.00	3.59	1.63	2.28	4.88	6.81	7.35	6.13	6.59	54.55
Troy	5.71	2.56	0.44	8.81	2.14	2.78	2.45	8.80	2.17	5.48	5.32	8.25	54.91
Tuscaloosa	8.95	2.35	0.87	8.12	2.51	1.52	4.50	2.10	6.08	9.23	4.43	3.08	53.74
Tuscumbia	6.16	1.95	1.20	4.74	6.46	3.03	2.50	1.33	3.16	9.47	2.72	4.36	47.58
Tuskegee	4.39	2.19	1.40	5.99	1.18	4.20	2.84	6.11	1.50	3.94	5.11	9.17	48.02
Union Springs	6.67	2.71	0.77	6.31	2.35	3.63	3.77	4.64	3.27	6.36	7.08	11.13	58.69
Uniontown	5.45	1.52	0.38	6.67	1.85	4.97	6.12	2.83	4.74	9.71	5.27	6.47	55.98
Valley Head	7.52	3.40	1.00	7.55	2.80	5.10	3.15	0.27	3.40	7.85	3.55	3.80	49.39
Wetumpka	9.41	1.52	1.13	5.02	1.16	4.91	1.90	5.21	2.70	4.80	5.41	7.49	50.16
Alaska.													
Akiak	0.31	.....	3.07	1.74	1.34	1.92	.....	.....	.....	.....	0.39	0.49	.....
Akulurak	1.32	1.05	1.77	1.15	0.80	0.27	1.83	1.89	2.44	0.20	.....	.....	.....
Allakaket	.....	0.73	1.62	0.90	.....	.....	1.72	.....	1.72	.....	1.01	1.70	.....
Anchorage (Ship Creek)	0.80	1.02	0.31	1.01	0.55	0.21	1.19	3.49	2.16	1.14	0.75	1.40	14.03
Annex Creek	8.52	8.14	6.51	6.07	5.38	2.89	2.92	16.12	12.66	15.91	16.63	10.04	111.79
Atka	8.49	6.41	6.26	8.86	2.68	4.32	7.02	.....	.....	.....	.....	.....	.....
Attu	3.38	4.98	12.81	4.31	.....	.....	.....	.....	.....	.....	.....	.....	.....
Calder	13.74	10.68	9.71	10.17	5.51	3.84	2.35	8.23	4.56	23.02	21.56	15.97	129.34
Candle	.....	.....	.....	.....	0.14	0.46	2.26	0.87	1.03	.....	.....	.....	.....
Chickaloon	1.20	0.50	1.30	1.20	0.25	1.50	0.75	4.35	3.51	0.21	0.30	0.72	15.79
Chicken	.....	.....	.....	.....	0.38	0.86	0.98	.....	0.13	.....	.....	.....	.....
Chitina	0.90	.....	.....	1.26	0.15	1.09	0.47	2.73	1.94	1.10	3.40	0.88	.....
Copper Center	.....	.....	0.28	1.23	0.07	.....	.....	.....	.....	.....	.....	.....	.....
Cordova	5.34	3.44	.....	.....	.....	.....	.....	12.32	42.51	19.89	19.97	23.85	.....
Crooked Creek (claim 2)	.....	.....	.....	.....	0.25	1.90	1.94	3.10	0.45	.....	.....	.....	.....
Dutch Harbor (a)	5.12	3.18	0.64	1.47	1.05	0.97	1.39	3.56	5.85	3.26	4.59	.....	.....
Dutch Harbor (b)	5.17	4.56	0.56	1.66	3.58	1.02	2.12	3.52	6.34	4.92	6.69	7.57	47.71
Eagle	0.72	0.42	0.51	0.96	0.18	1.33	0.80	1.33	0.54	0.88	0.93	0.33	8.93
Fairbanks	0.48	1.24	2.84	0.98	0.34	1.05	2.22	2.04	0.09	0.39	0.49	0.31	12.47

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Alaska—Continued.													
Fortmann Hatchery	17.14	17.12	14.05	11.70	7.84	4.82	5.31	11.21	4.55	24.70	18.62	18.34	155.40
Fort Yukon	0.41	0.66	0.73	0.37	0.05	0.69	0.67	0.43	0.23	1.11	0.88	0.35	6.58
Gulkana	1.31	0.20	0.50	2.27	.....	.....	.....	.....	0.67	0.61	1.28	.....	.....
Holy Cross	0.99	.....	2.66	5.02	1.33	0.28	2.19	3.40	2.06	0.62	0.69	.....	.....
Hot Springs	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.09	.....	0.39	.....
Indian River	.....	.....	2.57	.....	.....	.....	3.43	7.14	8.62	2.33	1.48	4.28	.....
Juneau	8.63	5.79	4.34	5.91	5.59	3.83	2.30	11.53	12.39	13.95	15.01	10.33	99.60
Jumbo Mine	22.11	17.86	22.15	11.65	10.57	4.45	5.32	12.92	8.54	25.16	23.14	14.03	177.9
Kasaan (near)	.....	.....	.....	.....	.....	.....	.....	.....	3.70	13.67	9.36	9.98	.....
Kennecott	.....	.....	.....	.....	0.25	4.25	0.31	1.99	2.31	1.10	2.18	1.69	.....
Ketchikan	14.60	10.82	11.53	11.53	8.46	4.78	8.58	13.64	5.44	26.53	21.90	15.78	153.59
Klukwan	1.90	1.59	0.67	1.72	0.19	0.35	0.20	1.12	4.57	4.34	4.72	1.68	23.05
Kodiak (a)	5.98	1.96	.....	.....	.....	3.21	1.20	3.80	10.21	7.99	6.04	6.60	.....
Kodiak (b)	8.63	2.34	.....	0.80	1.69	2.90	0.90	4.20	10.40	10.67	6.93	7.36	.....
Latouche	15.04	9.89	3.29	9.82	6.38	0.81	3.59	13.10	34.76	24.83	18.59	30.36	170.46
Matanuska	0.72	0.61	0.34	1.41	1.10	0.64	0.82	4.27	2.34	0.54	0.77	1.60	15.16
Naknek	0.94	1.54	0.63	0.55	1.70	1.02	2.32	0.64	4.85	2.62	0.80	0.40	24.01
Nenana	0.34	0.89	2.84	1.55	0.94	0.90	0.70	1.96	0.31	0.77	0.27	0.21	11.68
Nostak	0.42	0.38	0.80	0.48	1.02	.....	.....	.....	.....	0.24	0.06	0.25	.....
Nome	0.90	1.56	2.03	0.93	2.26	0.87	2.09	1.19	1.92	0.35	0.06	0.65	14.81
Nulato	1.18	2.62	1.39	1.40	0.48	0.50	1.50	2.21	2.54	1.08	0.95	0.99	16.84
Paxson	.....	.....	0.30	3.57	0.75	1.16	2.65	4.92	2.62	1.45	0.24	1.33	.....
Perseverance Camp	15.14	7.40	3.22	4.55	12.21	7.76	3.62	19.84	18.31	24.54	26.58	14.28	157.45
Rampart	0.26	0.98	1.32	1.30	0.45	0.58	0.57	1.40	0.70	1.14	0.81	0.58	10.09
Richardson	0.36	.....	.....	.....	1.06	.....	.....	.....	.....	.....	.....	.....	.....
Ruby	1.16	1.29	.....	0.95	1.27	0.54	1.07	.....	.....	.....	.....	.....	.....
Salmon Creek Beach	7.48	5.05	3.25	4.74	5.61	3.55	1.61	10.06	13.40	12.68	12.38	6.25	86.06
St. Michael	0.18	.....	.....	.....	0.54	0.11	1.42	1.11	1.49	0.64	.....	.....	.....
St. Paul	0.25	0.73	2.97	1.38	1.66	0.69	3.38	3.38	2.22	2.45	1.43	0.45	20.99
Seldovia	3.66	2.57	1.23	3.38	0.90	0.45	0.56	4.01	15.77	4.81	5.11	6.54	48.99
Seward	.....	1.00	0.49	3.36	1.30	1.14	1.98	6.64	26.35	16.41	6.41	13.35	.....
Sitka	8.87	6.39	4.52	5.70	5.47	3.45	1.77	14.45	8.94	15.98	17.14	13.43	106.11
Skagway	0.92	0.73	0.29	0.43	0.65	0.07	0.48	1.22	4.99	4.03	7.60	3.53	24.94
Speel River	.....	9.24	7.49	6.82	8.71	3.74	3.05	22.10	22.54	20.79	.....	.....	.....
Sulzer	19.23	11.66	13.40	12.99	.....	3.47	3.02	9.54	6.09	27.30	15.95	14.54	.....
Talkeetna	.....	.....	.....	.....	.....	.....	.....	6.02	5.79	2.22	1.75	4.00	.....
Tanana	0.22	1.09	1.43	1.01	0.79	2.20	2.22	1.94	1.66	0.54	0.30	0.48	13.88
Thane	4.58	5.01	2.95	2.21	5.88	3.13	2.74	9.61	.....	12.85	12.37	6.03	.....
Valdez	5.12	1.99	1.65	7.54	1.50	1.24	1.39	5.98	14.20	4.41	4.49	8.22	57.73
Wales	.....	.....	.....	.....	0.38	.....	.....	.....	1.20	.....	.....	.....	.....
Wrangell	9.07	6.06	5.48	5.81	.....	.....	.....	14.49	4.45	16.51	10.86	8.76	.....
Yakutat	11.35	6.06	6.45	11.71	5.91	2.90	2.38	14.81	8.30	15.67	.....	22.45	.....
Arizona.													
Ajo	1.80	0.55	0.61	0.07	0.00	0.79	2.02	3.73	0.42	0.17	1.21	0.93	12.30
Alamo Ranger Station	2.75	1.70	1.06	0.38	0.00	0.70	0.71	1.07	0.36	0.53	2.35	3.07	14.68
Alpine	2.39	2.59	2.03	0.42	1.21	1.69	3.96	.....	.....	.....	.....	.....	.....
Arivaca	2.50	1.28	0.49	0.00	0.33	0.42	2.77	3.55	1.61	0.00	0.85	.....	.....
Ashdale Ranger Station	5.07	2.04	3.93	0.04	0.00	0.08	1.15	3.34	0.65	0.83	2.72	2.16	22.01
Ashfork	1.63	0.92	1.71	0.10	0.14	1.41	1.47	2.08	0.25	0.24	0.96	1.45	12.36
Avondale	1.55	0.55	1.43	0.01	0.00	0.00	1.59	5.94	.....	0.55	0.54	1.56	.....
Aztec	1.18	T.	1.05	0.00	0.00	0.75	1.00	1.42	0.00	0.01	0.24	0.27	5.92
Bald Hill Ranger Station	2.56	1.08	2.83	0.29	0.02	0.27	1.57	3.14	0.10	.....	.....	.....	.....
Baseline Ranger Station	.....	.....	0.14	0.00	0.00	0.17	.....	1.64	0.45	1.10	1.46	2.12	.....
Beaver Creek Ranger Station	2.57	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Benson	0.84	0.85	0.00	0.00	0.10	1.51	1.40	1.77	0.34	.....	1.33	0.98	.....
Bisbee	1.77	1.41	0.12	0.00	0.10	0.46	3.18	2.03	0.10	0.63	2.54	1.98	14.32
Blue	1.94	1.56	1.37	0.01	1.20	1.62	2.29	0.78	0.00	1.35	3.00	3.30	18.42
Bly Ranger Station	2.35	.....	1.75	0.10	T.	.....	.....	.....	0.02	0.38	.....	2.50	.....
Bowie	1.01	.....	.....	.....	0.00	T.	0.43	.....	0.00	.....	.....	.....	.....
Buckeye	1.50	0.26	0.36	0.05	0.00	0.86	1.76	0.56	0.42	0.43	0.52	2.32	10.04
Canille	2.47	1.33	0.38	T.	0.15	0.67	2.35	2.71	0.42	0.68	1.54	2.62	15.32
Canon	2.99	0.87	3.09	0.28	0.00	0.53	1.54	3.43	0.00	0.50	1.02	2.14	16.39
Carr's Ranch	7.85	3.47	2.68	0.43	0.11	2.37	2.36	.....	.....	.....	.....	.....	.....
Casa Grande	.....	.....	.....	.....	0.00	0.21	3.24	2.82	T.	1.02	1.01	1.46	.....
Castle Hot Springs	2.65	0.20	1.48	0.03	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cedar Glade	1.57	1.20	2.92	0.03	0.31	1.26	1.07	2.65	.....	0.39	.....	1.16	.....
Chandler	1.11	1.09	1.06	0.03	T.	0.47	2.05	0.94	0.25	0.10	0.99	1.85	9.94
Childs	1.00	0.60	1.33	.....	0.03	0.29	1.21	2.62	0.00	0.29	1.66	.....	.....
Chin Lee	0.60	0.49	0.13	0.03	0.17	0.78	3.22	1.39	0.35	0.79	0.68	0.65	9.28
Clifton	1.43	0.59	0.36	0.04	0.10	1.65	2.85	1.80	0.10	1.69	2.10	2.69	15.40
Cochise	1.63	0.93	0.38	0.00	0.23	1.11	1.69	1.63	0.50	0.64	0.96	1.26	10.96
Colmac	.....	.....	.....	.....	0.10	.....	.....	.....	.....	.....	.....	.....	.....
Cornville	1.74	0.83	2.63	0.09	T.	0.65	0.74	.....	0.10	0.65	1.09	1.07	.....
Cosnino	1.86	.....	.....	.....	T.	0.97	3.04	3.24	1.19	0.65	1.52	3.90	.....
Crown King	4.42	2.07	5.64	0.70	0.12	2.59	2.06	9.40	0.66	0.89	.....	.....	.....
Douglas	1.20	1.05	0.14	T.	0.20	1.65	1.27	1.70	0.44	0.18	0.52	0.70	9.05
Dudleyville	2.80	1.46	1.01	0.03	0.01	0.10	1.07	2.29	0.35	0.25	1.16	3.06	13.59
El Dorado	1.48	1.68	0.94	.....	0.21	1.05	2.72	2.68	1.14	.....	1.86	2.18	.....
Elgin (near)	1.74	1.36	0.10	0.00	0.25	0.26	2.61	3.34	0.42	0.07	0.76	1.72	12.63
Fairbank	.....	0.70	0.00	0.00	0.00	1.60	.....	1.40	0.00	0.00	1.36	1.40	.....
Flagstaff	1.33	1.50	4.50	0.22	0.01	0.72	5.47	2.83	1.04	0.51	1.35	1.81	21.29
Florence	2.08	0.82	.....	.....	0.00	.....	.....	.....	.....	0.20	1.92	2.04	.....
Fort Apache	2.40	1.59	1.15	0.40	0.06	0.30	.....	5.58	0.93	0.60	5.70	.....	.....
Fort Grant	.....	.....	.....	0.02	0.16	.....	.....	4.00	.....	0.91	2.46	1.05	.....
Fort Huachuca	2.08	1.38	0.00	0.10	0.00	0.66	3.15	0.90	.....	0.35	.....	.....	.....
Fort Valley	2.01	2.13	5.19	0.31	T.	1.96	3.67	2.64	0.88	0.60	1.58	2.61	23.58
Fort Valley (Douglas fir)	2.83	2.13	.....	0.30	0.02	1.72	6.13	3.74	1.23	1.13	.....	.....	.....
Fort Valley (Engelmann spruce)	1.65	2.45	.....	0.35	0.02	1.69	6.27	3.25	1.63	1.59	3.51	3.81	.....
Fort Valley (timber line)	.....	.....	.....	.....	0.02	2.29	7.85	3.64	1.57	1.59	.....	.....	.....
Gila Bend	0.80	0.24	1.05	0.00	0.00	1.01	0.76	0.60	0.50	0.88	0.85	.....	.....
Gisela	2.68	1.51	2.14	T.	0.39	1.23	2.28	3.25	0.20	0.59	2.39	3.26	19.92
Glendale	1.44	0.61	1.35	0.00	0.00	0.29	0.93	1.46	.....	.....	.....	.....	.....
Globe	2.68	1.57	1.27	0.33	0.00	0.72	1.41	1.25	0.87	0.55	2.55	3.07	16.27
Goodyear	.....	.....	.....	.....	.....	.....	.....	0.67	0.12	0.21	0.73	1.70	.....
Gould's Ranch	1.04	0.52	0.40	0.00	0.00	0.18	1.49	3.63	0.58	0.38	1.75	1.22	11.19

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Arizona—Continued.													
Grand Canyon	1.50	1.38	2.72	0.15	T.	1.00	4.28	2.30	1.50	1.25	1.60	2.20	19.86
Granite Reef Dam	1.41	1.00	1.51	0.00	0.00	0.15	0.80	2.96	0.50	0.20	1.12	3.03	12.68
Greer	1.78	1.41	0.83	0.30	0.28	2.31	4.40	3.02	0.44	2.10	.....	.....	.....
Hackberry	0.76	1.04	4.47	0.33	0.09	0.78	1.47	2.07	0.83	.....	.....	.....	.....
Hackberry Ranger Station	3.39	2.58	2.03	0.09	0.28	0.57	2.61	2.82	1.09	0.66	2.97	3.61	22.70
Heber	.....	1.25	2.12	.....	0.04	0.73	1.49	3.98	0.50	1.18	1.01	.....	.....
Helvetia	1.82	1.11	0.28	0.00	0.53	1.12	2.04	2.82	0.84	0.41	1.49	1.90	14.36
Henry's Camp	2.40	1.83	1.22	0.27	0.66	1.39	2.49	2.72	0.33	1.38	3.03	.....	.....
Hereford	1.70	0.30	0.00	0.00	0.00	1.09	2.14	1.84	0.00	0.12	0.83	1.47	9.49
Higley	1.20	0.73	1.15	0.02	0.02	0.17	0.77	0.82	0.18	0.20	1.60	2.39	9.25
Holbrook	1.32	0.43	0.22	0.07	0.00	0.27	1.99	0.19	0.00	0.73	1.67	0.52	7.41
Honeymoon	1.34	.....	0.85	0.07	0.73	1.40	2.36	1.36	0.49	1.19	.....	1.39	.....
Ideal Ranger Station	.....	.....	.....	.....	0.00	0.22	5.40	5.66	1.76	1.30	.....	.....	.....
Indian Oasis	1.96	0.67	0.33	T.	0.06	1.32	1.98	2.93	T.	0.47	1.09	1.72	12.53
Intake	3.01	1.96	1.45	0.40	0.20	0.96	1.26	3.45	0.16	0.76	2.69	3.40	19.70
Jerome	2.03	1.35	5.40	0.26	0.20	0.29	2.50	2.63	.....	.....	.....	.....	.....
Kayenta	.....	0.18	1.06	0.04	.....	.....	1.90	0.20	.....	.....	.....	.....	.....
Keams Canyon	.....	.....	.....	.....	T.	0.25	1.30	.....	0.60	0.95	.....	1.10	.....
Kingman	1.10	1.75	2.90	0.75	0.00	0.30	1.00	1.48	0.92	0.54	0.47	1.79	13.00
Klondyke	1.80	1.40	0.96	0.14	0.02	0.91	1.84	2.80	0.76	0.14	2.39	2.72	15.88
Lakeside	2.65	2.66	1.88	0.20	T.	1.52	3.35	1.14	0.50	1.08	2.60	2.60	20.18
Las Moras Ranch	3.01	1.46	0.70	0.00	0.18	1.02	2.24	3.32	1.81	.....	.....	.....	.....
Lee's Ferry	0.00	0.40	0.98	.....	.....	.....	.....	.....	0.00	0.83	0.66	0.57	.....
Leslie Canyon	1.06	0.30	0.36	0.00	T.	1.60	1.36	1.28	0.33	0.22	0.54	0.72	8.27
Leupp	0.74	0.42	0.15	0.58	0.00	0.81	1.02	0.60	0.32	0.44	1.15	0.55	6.28
Lewis Springs	0.53	0.30	0.00	0.00	0.33	2.73	1.17	1.70	1.10	0.28	1.00	0.87	10.01
Light	.....	.....	.....	.....	.....	.....	1.66	2.20	1.68	T.	1.23	1.30	.....
Long Valley Ranger Station	.....	.....	.....	.....	T.	2.41	2.27	3.37	.....	.....	.....	.....	.....
Lukachukai	1.60	1.13	1.48	0.25	0.10	2.21	2.25	1.95	0.25	0.81	.....	.....	.....
McNeal	0.85	0.90	0.06	0.00	0.45	1.17	.....	.....	.....	.....	.....	.....	.....
Maricopa	0.87	0.76	0.97	T.	T.	0.85	1.30	1.98	0.35	0.50	0.56	1.66	9.80
Marinette	1.60	0.50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Marquette Ranger Station	.....	1.59	1.62	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mesa	1.17	0.80	1.63	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mesa Experiment Farm	0.90	0.68	1.54	T.	T.	0.31	0.61	1.08	0.43	0.25	1.92	2.43	10.15
Miami	4.51	2.08	2.34	0.45	0.00	1.19	2.27	2.29	1.70	1.50	3.75	4.00	26.08
Moccasin	1.45	0.92	3.00	0.23	T.	0.49	2.32	1.22	1.38	0.62	0.80	2.22	14.66
Mohawk	0.55	0.09	0.25	0.00	0.00	1.15	0.00	2.68	0.66	T.	.....	.....	.....
Mormon Lake Ranger Station	.....	.....	.....	.....	0.10	1.71	3.88	.....	.....	.....	.....	.....	.....
Naco	0.95	T.	T.	0.00	0.00	2.20	2.27	1.15	0.25	0.40	0.85	0.80	8.87
Natural Bridge	4.10	2.35	4.07	0.16	0.12	0.36	3.16	3.95	0.60	1.15	2.99	3.13	26.14
Nogales	2.47	0.94	0.41	0.00	0.04	0.87	2.78	3.63	0.40	0.32	0.83	2.44	15.13
Nutrioso	1.74	2.37	1.23	.....	0.99	1.57	3.46	1.19	0.15	2.65	.....	.....	.....
Oracle	2.93	1.89	1.74	0.20	0.00	0.95	2.06	1.69	0.00	0.50	2.20	4.10	18.26
Osborn	.....	0.65	0.00	0.00	0.00	0.10	.....	3.47	0.85	0.47	0.95	0.80	.....
Paradise	1.53	1.49	1.14	T.	0.12	1.15	4.03	2.79	0.38	0.84	3.07	1.60	18.14
Parker	0.23	0.54	0.85	0.00	0.00	0.31	0.65	0.80	T.	0.13	0.12	1.14	4.77
Parks	1.61	2.28	.....	.....	.....	1.16	3.60	1.54	.....	.....	.....	.....	.....
Payson	.....	.....	2.86	0.06	0.35	1.14	3.00	4.63	0.35	0.90	3.04	2.68	.....
Pearce (near)	1.51	1.10	0.32	T.	0.39	0.81	1.19	.....	.....	.....	.....	.....	.....
Phoenix	1.14	0.45	0.93	0.02	T.	0.08	1.02	3.47	0.39	0.52	1.92	1.16	11.10
Pinal Ranch	6.82	2.87	3.14	0.41	0.00	2.42	1.52	6.22	1.20	0.45	5.40	4.14	34.59
Pinedale	2.14	1.85	1.86	0.45	0.00	2.11	2.54	0.94	0.30	1.01	1.70	2.51	17.41
Pinto	1.17	0.98	0.22	0.15	T.	1.12	2.77	2.11	0.25	1.05	1.43	1.28	12.53
Portal	1.45	.....	0.56	0.00	0.13	1.65	1.60	0.00	.....	1.59	2.97	1.76	.....
Prescott	2.55	2.17	7.11	0.04	0.00	2.13	2.57	2.24	0.35	0.42	1.55	0.95	22.08
Prescott Dry Farm	1.53	0.76	3.34	0.04	0.07	1.85	2.91	2.20	0.50	0.30	1.25	1.09	15.89
Redrock	0.75	0.88	0.45	T.	0.00	0.00	.....	.....	0.00	0.50	1.28	2.36	.....
Roosevelt	3.50	2.24	2.66	0.10	0.05	1.31	0.48	1.52	0.20	0.77	2.73	2.18	17.84
Rosemont	2.19	1.60	0.37	0.00	0.06	0.94	3.96	2.58	1.07	0.44	1.97	2.23	17.41
Ruby	4.84	0.85	0.99	0.00	.....	.....	.....	.....	.....	.....	.....	.....	.....
Rucker Canyon	2.51	1.83	0.57	0.00	0.52	1.13	2.38	1.13	0.10	0.55	2.14	2.26	15.22
Sacaton	1.15	0.77	1.17	0.19	0.00	0.20	1.49	1.92	0.00	0.29	0.81	2.07	10.06
St. Johns	0.82	0.58	.....	.....	0.00	0.88	1.62	2.64	0.80	1.40	1.33	1.26	.....
St. Michaels	0.81	0.51	0.72	0.57	T.	0.68	2.81	1.22	0.15	1.25	0.88	1.82	11.07
Salome	2.17	0.61	2.23	T.	0.00	0.31	1.02	1.04	0.34	0.98	0.55	1.97	11.20
San Carlos	.....	0.90	0.61	0.00	0.00	0.25	.....	1.59	0.21	0.23	.....	2.61	.....
Seligman	0.70	0.53	2.67	0.06	0.03	1.04	1.39	0.85	0.13	0.01	0.69	1.54	9.57
Sentinel	1.43	0.07	0.97	0.00	0.00	1.71	0.11	3.05	0.41	0.30	0.37	0.82	9.24
Show Low	2.26	2.01	1.52	0.30	0.12	1.37	2.62	1.30	0.54	0.75	2.17	2.55	17.51
Silverbell	2.23	0.75	0.57	T.	1.04	0.92	2.27	3.10	0.85	0.63	0.95	1.70	15.01
Snowflake	0.62	0.45	0.36	0.57	T.	0.48	2.28	1.89	0.46	0.80	0.89	1.31	10.10
Soldier Camp Ranger Station	.....	.....	.....	.....	.....	0.37	4.30	3.07	0.65	.....	.....	.....	.....
Springerville	0.37	0.16	0.20	0.06	0.04	1.02	2.44	2.76	0.06	1.94	0.57	0.55	10.17
Spring Valley Ranger Station	1.58	.....	9.24	0.29	T.	0.26	3.15	2.32	.....	.....	1.68	3.11	.....
Sunflower Ranger Station	5.69	2.72	2.61	.....	.....	1.02	1.13	6.75	1.98	.....	3.90	.....	.....
Sunset Ranger Station	1.94	1.34	0.60	0.00	0.33	4.01	1.92	1.60	0.00	0.70	2.31	.....	.....
Supai	.....	0.32	1.70	0.21	T.	0.91	1.61	3.10	0.42	.....	.....	.....	.....
Tempe	0.88	0.82	0.81	0.05	0.00	0.19	1.38	0.76	0.40	0.35	0.96	1.90	8.50
Thatcher	0.90	0.36	0.51	0.00	0.14	0.36	0.68	1.29	0.10	0.48	0.83	0.72	6.37
Tombstone	.....	.....	0.11	T.	0.00	0.63	2.17	1.74	0.49	0.80	0.47	1.21	.....
Tonto Ranger Station	1.91	1.65	5.99	0.07	0.08	1.63	1.86	2.66	0.19	0.24	1.10	2.18	19.56
Truxton	1.68	1.15	2.13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tuba City	.....	.....	.....	.....	0.00	.....	.....	.....	.....	.....	.....	.....	.....
Tucson (Chamber of Commerce)	0.79	1.51	0.27	0.03	0.10	0.53	1.43	1.16	0.10	0.77	1.20	1.82	9.21
Tucson (University of Arizona)	1.40	1.26	0.32	0.04	0.18	0.34	1.54	0.78	0.13	0.68	1.04	1.41	9.12
Walnut Creek Ranger Station	1.39	1.66	3.74	0.20	0.18	0.99	1.53	1.29	0.79	0.62	0.86	3.86	17.81
Walnut Grove	2.50	2.00	4.33	0.10	T.	4.03	3.56	2.32	1.24	0.70	1.28	1.86	23.97
Waters Ranger Station	.....	.....	.....	.....	.....	0.63	1.76	2.31	1.01	.....	.....	.....	.....
Wickenburg	2.37	0.53	1.80	0.00	0.00	0.99	0.35	1.16	1.70	0.48	0.58	1.58	11.54
Willcox	2.09	1.19	0.50	0.00	0.00	0.45	2.17	1.81	0.24	0.84	1.32	1.47	12.08
Williams	2.08	5.08	8.53	0.53	0.32	1.74	3.56	3.49	0.42	0.32	2.47	3.96	32.50
Willow Creek Ranger Station	.....	.....	.....	.....	.....	.....	.....	1.90	0.68	0.28	1.21	1.96	.....
Willow Wash	1.80	1.25	1.40	0.00	0.00	.....	1.52	1.02	0.07	0.26	1.96	2.52	.....
Windmill Ranch	1.05	2.00	3.57	0.14	0.15	0.38	1.49	0.81	0.37	0.94	1.28	1.06	13.34
Winona	1.05	1.20	.....	.....	.....	1.12	3.96	2.98	1.38	0.38	.....	1.65	.....

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Arizona—Continued.													
Winslow	1.33	0.16	0.20	0.12	0.00	0.00	1.67	0.71	0.29	0.74	0.70	0.97	6.89
Yaeger Canyon Ranger Station	2.00	1.13	3.03	0.00	T.	0.27	2.38	0.65	0.67	0.40	0.97	0.82	12.32
Young	3.24	2.40	2.30	0.86	0.16	1.36	4.60	5.43	0.49	.....	.....	.....	.....
Yuma (Weather Bureau)	0.81	0.12	0.72	0.00	T.	0.02	0.02	0.53	0.02	0.35	0.07	0.24	2.90
Yuma (Date Orchard)	0.62	0.15	0.63	0.00	T.	T.	T.	0.39	0.00	0.15	0.12	0.27	2.33
Yuma (Evaporation Station)	0.77	0.15	0.78	0.00	T.	0.05	0.03	.....	0.03	0.16	0.07	0.34	.....
Arkansas.													
Alicia	.....	0.87	1.32	12.35	10.00	2.90	2.95	3.85	10.10	6.85	4.90	12.90	.....
Amity	.....	.....	.....	6.84	1.05	.....	.....	.....	.....	.....	.....	.....	.....
Arkadelphia	4.14	1.35	2.90	9.81	0.15	4.41	1.55	4.60	5.17	6.54	3.75	4.58	48.95
Arkansas City	4.13	1.37	0.63	5.57	0.93	2.51	0.74	2.49	4.99	3.84	3.91	2.68	33.79
Batesville	5.77	1.14	0.66	5.76	9.11	1.72	2.42	2.76	4.91	3.43	3.42	6.89	47.99
Bee Branch	.....	1.25	1.05	5.90	4.95	1.55	0.80	3.95	4.25	2.70	4.05	9.20	.....
Bentonville	2.68	0.77	3.05	2.90	3.07	3.57	1.18	4.88	4.47	4.93	3.87	4.04	39.41
Bergman	3.62	1.08	1.11	5.98	3.86	2.21	2.06	3.77	4.56	4.42	3.98	5.67	42.32
Black Rock	4.39	0.77	0.75	7.51	5.06	3.25	1.66	4.80	7.90	4.17	3.50	7.13	50.89
Booneville	3.50	0.92	1.23	4.21	4.83	3.03	0.42	1.55	6.42	.....	.....	.....	.....
Brinkley	6.46	1.46	0.91	14.34	0.58	3.39	0.46	1.30	5.58	1.99	3.34	5.56	45.37
Calico Rock	5.93	0.43	0.24	6.64	9.76	3.64	4.45	4.98	4.73	1.84	2.28	4.45	49.37
Camden	3.11	2.15	0.62	8.88	1.12	2.52	1.44	4.26	2.42	6.96	5.23	3.71	42.42
Centerpoint	3.60	2.53	5.64	12.83	1.97	3.49	4.12	4.03	.....	2.07	4.79	8.06	.....
Clarendon	5.63	0.91	0.55	11.82	0.96	4.32	0.96	1.61	4.70	2.31	3.04	4.10	40.91
Conway	7.46	0.62	1.04	8.15	1.46	5.66	0.06	2.13	6.56	3.48	3.95	10.52	51.09
Corning	5.05	2.25	1.07	8.80	8.55	3.50	1.50	3.50	6.60	6.10	3.60	4.50	55.02
Crossett	3.77	1.11	0.30	6.59	0.58	5.63	0.72	5.27	1.80	4.30	4.52	2.67	37.26
Danville	4.67	0.40	0.76	4.94	1.08	2.63	1.70	4.36	4.35	3.60	3.11	4.75	36.35
Dardanelle	3.24	0.71	1.63	5.62	3.00	1.86	0.85	2.05	3.40	3.42	3.24	4.60	33.62
Dodd City	.....	.....	.....	.....	.....	5.19	2.34	4.88	4.72	2.55	2.07	4.69	.....
Dumas	3.21	2.08	1.16	6.82	0.88	1.54	0.21	5.46	1.90	5.17	5.76	2.55	36.74
Dutton	2.67	1.61	1.02	3.48	8.15	3.77	3.04	.....	.....	.....	.....	.....	.....
Eldorado	3.95	2.23	0.46	6.38	0.93	3.42	1.60	2.83	3.46	8.58	4.43	.....	.....
England	3.28	1.77	1.00	10.02	1.50	3.93	0.53	1.05	5.81	.....	.....	.....	.....
Eureka Springs	3.43	0.85	2.39	4.99	4.86	4.56	1.14	5.30	6.55	3.60	3.15	4.69	45.51
Fayetteville	3.52	0.71	2.20	4.47	4.19	3.61	1.52	3.02	4.27	3.75	3.23	5.02	39.51
Fort Smith	2.86	0.95	1.69	4.12	3.64	5.87	0.50	0.99	4.02	2.94	3.58	4.40	35.56
Fulton	3.82	1.35	2.23	7.23	1.10	12.07	1.70	3.67	1.84	3.21	4.70	4.68	47.60
Georgetown	5.16	0.94	0.75	8.17	0.73	3.55	1.03	2.11	3.39	3.79	4.14	5.96	39.72
Gravette	1.97	0.66	1.93	2.68	3.88	4.52	0.65	6.71	4.16	3.01	3.73	4.01	37.91
Hardy	6.85	0.94	0.55	6.95	9.08	4.78	2.11	7.13	4.97	2.71	2.46	6.85	55.38
Helena	4.75	2.27	1.51	6.70	1.04	3.12	0.96	3.44	5.65	1.58	3.00	1.08	35.70
Hemp Wallace	6.20	2.00	2.07	8.22	0.63	4.65	2.31	3.82	.....	.....	.....	.....	.....
Hope	3.26	2.67	2.96	9.49	2.25	3.88	1.89	4.90	2.74	2.81	4.56	4.94	46.35
Hot Springs	5.22	1.26	2.85	9.55	1.33	6.20	1.55	6.00	3.20	4.97	4.62	4.94	51.78
Huttig	3.58	0.91	0.28	7.59	0.49	4.96	0.90	4.70	2.61	4.45	3.67	2.06	36.20
Jelks	2.80	2.17	0.76	8.62	0.93	3.37	2.25	1.45	6.15	3.44	4.32	6.66	42.92
Jonesboro	7.19	0.94	1.07	7.24	6.14	3.06	3.04	2.38	4.00	5.29	2.82	9.11	52.28
Junction	2.99	0.52	0.33	4.96	1.58	2.11	1.20	6.44	2.19	5.78	4.46	2.30	34.86
Lewisville	.....	.....	.....	.....	.....	.....	.....	3.77	.....	.....	.....	.....	.....
Little Rock	5.51	0.98	1.49	8.42	0.64	6.77	0.94	1.42	4.63	4.14	3.11	7.95	46.00
Lutherville	4.74	0.71	1.11	5.17	2.18	2.82	0.70	2.88	5.68	4.96	3.74	7.10	41.79
Malvern	5.11	1.45	2.89	9.61	0.88	5.37	0.55	4.43	6.22	5.97	4.48	7.61	54.57
Mammoth Spring	2.96	1.09	0.41	5.38	8.58	2.98	0.76	5.11	7.21	3.16	2.00	6.43	46.07
Marianna	6.37	1.93	0.29	8.88	0.28	1.44	0.40	2.72	3.96	3.04	1.60	3.86	34.77
Marked Tree	8.60	0.89	0.81	6.72	2.66	1.44	5.08	1.63	4.63	3.34	6.13	8.00	49.93
Marshall	5.52	1.21	0.79	6.39	7.74	1.75	0.69	3.75	5.83	3.60	2.96	6.66	45.89
Mena	5.04	1.08	1.93	9.92	1.18	2.14	0.68	6.10	6.67	4.28	2.57	7.59	49.18
Mountain Home	5.29	1.10	0.44	5.97	10.50	5.54	5.39	3.70	6.54	2.66	2.86	5.11	55.10
Mount Ida	5.06	0.17	1.17	9.12	1.35	5.55	0.36	2.80	4.95	5.31	3.97	7.82	47.63
Murfreesboro	2.30	0.00	2.13	10.54	0.73	2.27	1.52	4.05	5.77	3.41	4.28	5.80	42.80
Nail	4.09	0.87	1.60	6.06	6.93	3.82	1.28	4.39	3.21	4.65	4.38	5.46	46.74
Newport	7.10	0.15	0.97	7.72	2.44	3.37	2.27	4.31	6.31	4.42	2.98	5.93	47.97
Okay	2.95	0.46	1.32	9.83	5.11	2.39	1.56	3.54	3.91	.....	5.31	6.77	.....
Osceola	6.16	0.26	0.53	5.87	4.64	4.60	2.20	2.13	4.37	1.10	3.01	5.85	40.72
Ozark	1.77	0.42	0.96	4.24	4.14	3.31	0.63	12.17	5.19	2.66	4.15	7.92	47.56
Pine Bluff	4.48	1.83	0.49	12.15	1.15	2.25	0.49	4.39	5.62	4.88	5.89	4.60	48.22
Pocahontas	4.78	1.36	0.72	6.10	7.10	3.46	0.45	9.55	7.90	5.42	3.70	7.25	57.78
Portland	6.41	1.15	0.37	7.52	1.25	5.34	2.75	5.70	2.74	4.36	4.37	2.62	44.58
Prescott	3.07	1.44	1.75	11.82	1.58	3.59	0.92	3.01	2.21	2.96	4.52	5.11	41.98
Princeton	.....	1.07	0.31	13.57	0.60	1.35	2.40	3.80	3.72	6.25	3.54	5.18	.....
Rison	5.18	4.44	0.46	10.01	0.84	1.78	2.14	5.85	2.52	4.04	5.63	3.88	46.77
Rogers	2.30	0.72	1.88	3.34	3.41	3.78	1.34	5.13	4.60	3.23	3.51	4.80	38.04
Searcy	5.10	1.05	1.04	5.32	0.16	0.50	1.40	2.10	4.66	3.96	3.09	7.03	35.41
Sheridan	3.50	1.30	1.60	11.50	1.90	4.20	2.40	3.50	8.73	6.00	5.50	7.50	57.63
Springbank	3.81	1.57	2.08	9.80	1.33	1.19	0.37	3.61	2.45	3.78	6.07	3.75	40.31
Stuttgart	5.42	1.55	0.39	11.45	1.14	7.45	0.37	1.54	4.49	4.43	3.66	4.62	46.51
Subiaco	4.69	0.55	1.40	4.76	5.25	3.70	1.57	3.39	3.79	3.47	2.46	6.35	41.38
Texarkana	1.60	1.25	4.11	8.38	0.77	3.00	0.75	3.21	2.70	3.10	5.30	5.13	39.30
Umphers	2.13	0.88	.....	6.30	.....	.....	.....	.....	.....	.....	.....	.....	.....
Warren	3.75	1.15	0.65	6.35	0.45	2.05	1.00	4.25	1.85	6.35	5.20	2.90	35.95
Whitecliffs	5.00	0.70	1.90	9.99	0.78	3.00	1.20	3.10	2.40	1.50	5.00	4.60	39.17
Wynne	7.79	0.79	1.37	7.94	0.84	1.55	1.67	3.84	4.79	3.08	3.02	6.30	42.98
California.													
Abbotts	0.43	8.63	5.80	0.00	0.00	0.00	0.00	0.00	4.12	0.36	4.09	1.94	25.37
Aguanga	1.55	2.79	6.95	0.00	0.30	1.08	0.06	0.45	0.00	1.15	1.20	1.32	16.85
Alder Creek	0.89	7.83	10.10	T.	0.25	0.62	0.17	0.25	1.15	0.35	2.20	3.20	27.01
Alturas	0.83	1.16	2.48	0.30	0.67	0.02	0.00	0.03	1.61	1.04	0.92	0.75	9.81
Angiola	0.19	2.79	2.99	0.00	0.00	0.00	0.00	0.10	0.77	0.08	1.26	1.51	9.69
Antelope Valley	0.33	8.25	3.01	0.00	0.12	0.00	0.00	0.00	0.61	0.00	2.25	0.00	14.57
Antioch	0.80	2.50	2.75	0.55	0.00	0.00	0.00	0.00	6.64	0.15	1.69	1.38	16.46
Arrowhead Springs	0.00	4.51	.....	.....	.....	.....	0.00	0.12	0.24	1.55	3.09	2.50	.....
Arroyo Seco	0.43	8.64	11.43	0.36	1.18	0.03	0.32	0.14	1.58	T.	2.76	.....	.....
Atascadero	0.40	9.37	5.59	0.00	0.00	0.00	0.00	0.00	0.45	0.75	3.34	1.19	21.09
Auberry	0.63	8.62	9.16	0.16	0.92	0.00	0.00	0.00	1.77	0.20	4.57	2.43	28.46

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
California—Continued.													
Auburn	1.73	8.89	8.40	1.43	0.09	0.00	0.00	0.00	3.99	1.16	3.81	2.52	32.02
Avalon	0.72	3.16	4.61	0.00	0.32	0.04							
Azusa	2.29	5.98	8.79	0.14	0.11	0.22	0.00	0.00	0.76	0.26	2.49	1.74	22.78
Bagdad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bakersfield	0.42	1.77	2.25	0.11	0.00	0.00	0.00	0.00	0.38	0.03	0.85	0.81	6.62
Banning	1.14	3.07	8.97	0.06	0.76	0.00	0.25	1.35	0.30	0.89	1.94	2.07	20.60
Barrett Dam	2.24	3.01	8.97	0.05	0.17	0.16	T.	0.06	T.	1.21	1.82	3.47	21.16
Barstow	0.13	0.75	2.18	T.	0.62	2.97	1.28	0.06	1.48	0.78	0.24	0.50	10.99
Bear Valley Dam	1.96	6.25	23.42	0.43	0.64	1.50	0.51						
Beaumont	1.87	3.56	9.09	0.33	0.53	0.88	0.00	0.42	0.00	2.06	2.11	1.77	22.72
Beaumont (near)	1.21	3.33	10.51	1.15	0.88	0.93	0.00	0.00	0.00	2.19	1.96	1.87	24.03
Belotta	1.13	4.99	5.15	1.00	0.01	T.	0.00	0.00	2.37	0.26	1.32	2.69	18.92
Benson's Ferry	0.85	3.84	3.76	0.97	0.00	0.00	0.00	0.00	4.36	0.34	2.38	1.91	18.41
Berkeley	0.96	6.71	3.48	0.63	T.	T.	T.	T.	3.59	0.14	3.48	2.35	21.34
Betteravia	0.36	9.44	7.13	0.05	0.00	0.00	0.00	0.12	0.08	0.63	1.66	1.94	21.41
Big Bar	2.85	6.19	4.29	1.41	T.	0.44	T.	0.15	2.06	1.79	5.64	3.67	28.69
Big Sur	1.15	7.29	10.94	0.34	0.00	0.00	0.00	0.00	5.41	0.13	8.29	4.29	37.84
Bijou	0.28	6.40	5.04	0.27									
Bishop	0.01	2.10	1.55	0.00	0.00	1.54	0.00	0.00					
Bishop Creek	0.29	5.52	4.72	0.01	0.52	0.88	0.27	0.31	1.86	1.33	0.45	1.56	17.72
Blue Canyon	1.41	12.16	12.05	7.91	0.05	T.	0.00	0.00	6.73	2.70	3.25	2.46	48.72
Blythe	0.93	0.07	0.75	T.	0.00	T.	T.	0.53	2.78	0.07	0.49	1.02	6.64
Bonita	1.87	1.49	4.44	0.00	0.08	0.02	0.02	T.	T.	0.64	1.62	1.71	11.89
Branscomb	3.45	19.04	9.08	5.17	0.00	T.	0.00	T.	1.88	2.55	10.32	3.97	55.46
Brawley	0.07	0.13	0.83	0.00	0.00	T.	0.08	0.05	T.	0.02	0.06	0.70	1.94
Burney	T.	1.91	3.27	2.02	2.12								
Cahuilla	2.15	2.55	6.20	0.00	0.80	0.85				T.		1.15	
Calaveras Ranger Station	1.16	14.94	15.13	1.10	0.92	0.04	T.	0.01	3.50	0.95	5.58	2.54	45.87
Calexico	0.63	0.06	0.72	0.00	0.00	T.	T.	0.00	0.00	T.	0.09	0.35	1.85
Campbell	0.51	2.02	3.47	0.46	T.	0.00	0.00	0.00	6.16	0.23	3.45	2.19	18.49
Camp Bonita	0.60	8.60	14.62	0.22	0.25	T.	T.	0.11	0.95	0.93	3.33	2.07	31.68
Campo	1.62	2.73	7.55	0.00	0.25	0.20	0.10	2.17	0.00	1.10	1.89	2.19	19.80
Camptonville (near)	1.44	9.47	12.37	2.90	0.35	T.	0.00	T.	6.98	3.30	4.55	3.49	44.85
Canon Dam	0.91	9.70	7.40	1.57	0.52	T.	0.00	0.00	4.45	1.57	2.71	1.82	30.65
Cascada	0.50	8.48	10.94	0.41	1.63	0.16	0.62	0.70	3.67	1.62	3.99	1.78	34.50
Cedarville	1.62	1.13	2.29	0.25	0.93	0.31	T.	0.05	1.55	0.90	0.97	0.73	10.73
Centerville	1.10	7.13	8.56	1.88	0.77	0.00	0.00	T.	2.99	1.53	3.86	2.79	30.61
Chester	0.81	6.61	6.89	1.25	0.78	0.00	0.00	0.00	5.63	1.69	1.58	1.40	26.64
Chico	1.01	4.74	5.41	0.90	0.70	T.	0.00	T.	3.49	0.88	2.48	1.82	21.43
China Flat	3.65	8.49	4.74	1.75	0.02	T.	T.	0.35	2.12	1.40	6.91	5.47	34.90
Chula Vista									0.03	0.85	1.22	1.23	
Churn Creek	1.16	4.72	5.38	1.15	0.47	0.14	0.00	0.86	3.73	2.80	3.89	2.01	26.31
Claremont	0.58	4.81	8.22	0.03	0.50	0.02	0.00	0.09	0.41	0.35	2.26	1.09	18.36
Cloverdale	1.65	8.00	5.60	1.05	0.28	0.46	T.	T.	1.53	0.82	5.14	2.71	27.24
Clovis	0.34	5.50	5.41	0.06	0.81	0.00	0.00	0.00	0.55	0.00	2.20	1.17	16.04
Coalinga						T.	0.00	0.00	0.39		0.91	1.33	
Colfax	1.74	10.32	11.08	2.29	0.87	0.00	0.00	T.	5.54	1.51	5.79	2.34	41.48
Colgate	1.65	8.73	8.59	2.20	0.20	0.00	0.00	0.00	4.66	1.64	4.16	1.74	33.57
Colusa	0.64	3.04	3.94	0.55	0.04	0.00	0.00	0.00	2.72	0.71	2.23	1.78	15.65
Corona	1.11	2.94	7.43	T.	0.11	T.	0.06	0.10	0.42	0.21	1.28	0.48	14.14
Covelo	1.33	5.79		1.30		0.00	0.00	0.00	T.				
Crescent City	7.26	14.12	13.07	3.07	0.90	0.09	0.28	0.85	1.40	3.54	7.88	7.12	59.58
Crockett	0.77	4.39	2.36	0.46	0.00	0.00	0.00	0.00	3.19	0.35	2.39	1.71	15.62
Cuyamaca	4.26	5.61	15.70	0.00	0.45	0.59	0.11	1.37	0.37	1.10	5.43	4.83	39.82
Davis	0.95	3.59	3.10	0.82	0.00	0.00	T.	0.00	4.07	0.28	2.19	1.69	16.69
Deer Creek	1.95	15.88	14.32	2.63	0.42	T.	T.	T.	6.43	2.38	7.30	3.78	55.09
Del Monte	0.71	2.72	3.40	0.39	0.00	0.00	0.00	0.00	6.26	0.38	3.50	1.69	19.05
Denair	0.60	3.79	5.07	0.09	0.04	0.00	0.00	T.	0.50	T.	1.59	2.59	14.27
De Sabla	1.25	11.13	14.29	3.33	0.74	0.00	0.00	0.00	4.55	2.96	4.88	3.38	46.51
Devil Canon						0.20	0.10	0.25	0.48	1.57			
Dillon Ranch	0.20	9.52	8.00										
Dinuba	0.25	3.59	4.55	0.00	0.00	0.00	0.00	0.00	0.94	0.07	1.98	2.51	13.89
Dobbins (near)	1.79	8.65	8.63	2.32	0.18	0.00	0.00	0.00	4.86	1.70	4.17	2.33	34.63
Dodgeland										0.62	2.21	1.93	
Downieville	1.85	14.79	15.64	3.53	0.49	T.	T.	T.	7.65	3.36	5.73	2.68	55.72
Dudley	0.30	5.26	2.65	0.07	T.	0.00	0.00	0.00	0.25	0.18	1.03	1.04	11.78
Dudleys	1.06	12.66	15.26	0.42	0.69	T.	0.00	T.	2.09	0.97	5.30	2.25	40.70
Durham	1.12	4.54	5.19	0.77	0.56	T.	0.00	T.	2.62	0.95	2.34	1.52	19.61
East Park	0.65	4.47	3.32	0.23	0.20	T.	0.00	0.00	3.13	0.20	2.89	1.77	16.86
Echo Mountain	0.52	7.40	10.60	0.70	0.34	0.00	0.31	0.19	1.62	0.09	3.09	2.25	27.11
Edison	0.35	2.17	2.89	T.	0.00	0.00	0.00	0.00	0.64	0.20	1.16	1.82	9.23
El Cajon	1.44	2.29	6.58	0.00	0.06	0.00	0.08	0.19	0.04	0.82	1.83	2.66	15.99
Electra	1.18	9.17	11.45	0.96	0.50	0.00	0.00	0.00	3.96	0.79	2.77	2.14	32.92
Elsinore	1.30	3.38	4.54	0.24	0.30	0.00	0.17	0.21	0.19	0.83	0.71	0.81	12.68
Emigrant Gap	2.24	10.35	7.80	1.55	0.65	0.00	0.00	0.00	6.20	3.50	6.80	1.50	40.59
Escondido (No. 1)	2.87	2.63	7.46	T.	0.43	0.02	T.	0.32	0.17	0.70	1.95	2.00	18.55
Escondido (No. 2)	3.14	2.98	7.43	0.00	0.58	0.05	0.00	0.43	0.10	0.95	2.38	1.89	19.93
Eureka	2.55	6.29	5.84	1.07	0.29	0.02	0.22	0.21	1.42	1.00	4.74	4.29	27.94
Fairmont	0.28	6.79	6.52	T.	0.09	0.11	0.26	0.18	1.82	T.	1.41	2.75	20.21
Firebaugh	0.55	2.26	3.70	0.04	0.25	0.00	0.00	0.00	0.43	0.63	1.11	1.45	10.42
Fish Canon	0.73	7.22	10.23	0.37	0.08	0.09	0.00	0.00	0.79	0.24	2.80	1.73	24.28
Folsom	1.48	5.02	6.05	1.33	T.	0.00	0.00	0.00	3.61	0.48	2.37	2.54	22.88
Fontana	0.77	3.68	8.45	0.08	1.27	0.06	0.00	0.03	0.49	0.93	2.08	1.25	19.09
Fordyce Dam	3.57	15.71	16.80	3.25	0.26	T.	T.	T.	6.66	5.52	5.40	2.33	59.06
Fort Bidwell	2.03	1.46	2.13	0.47	0.74	0.23	T.	0.02	1.52	1.43	1.09	0.68	11.80
Foresters Sanitarium	0.14	6.52	7.87	0.16	0.13	0.10	0.10	0.15	1.35	0.01	2.12	2.45	21.10
Fort Bragg	2.44	6.24	3.52	1.89	0.00	0.12	T.	0.00	2.85	1.67	3.66	5.07	27.38
Fort Ross	2.96	11.46	8.48	2.14	0.15	0.14	0.08	0.00	1.86	1.89	5.26	2.37	36.79
Fresno	0.47	4.59	4.19	T.	0.51	0.01	T.	0.00	0.53	0.11	1.81	1.46	13.68
Friant	0.41	5.49	5.44	0.00	0.70	T.	0.00	0.00				1.77	
Georgetown	1.81	13.56	11.24	2.55	0.30	0.00	0.00	0.00	5.35	2.43	5.92	2.56	45.72
Glennville	0.82	3.38	5.64	0.36	0.09	T.	0.00	0.02	0.82	0.42	2.40	1.82	15.77
Goffs			3.40	0.05	0.00	0.61	2.30	1.22	2.23	0.56	0.23	1.64	
Gold Run	1.45	12.51	13.12	2.75	0.25	0.00	0.00	0.00	5.10	1.70	6.40	2.10	45.38
Grass Valley	1.82	12.87	11.68	2.34	0.62	0.00	0.00	T.	5.96	0.75	5.72	2.70	44.46
Gray Mountain	0.25	1.02								0.30	0.04	0.00	

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
California—Continued.													
Greenland Ranch	0.00	0.30	0.75	0.05	T.	0.00	0.00	0.01	0.00	0.01	0.00	0.00	1.12
Haines Canyon	0.54	13.26	12.86	0.33	0.06	0.23	0.31	0.37	2.27	0.23	3.82	3.01	37.29
Hanford	0.31	4.50	3.43	0.00	0.58	0.00	0.00	0.00	0.88	0.12	1.41	1.28	12.51
Happy Camp	3.75	8.64	5.60	1.45	0.42	0.13	0.00	0.45	1.33	1.86	5.98	4.26	33.87
Hayfork	1.75	4.37	4.06	1.33	0.00	0.00	T.	T.	2.06	1.35	4.67	2.94	22.53
Head Dam	1.64	10.62	9.81	2.62	0.25	0.00	0.00	0.00	7.44	2.89	5.21	2.47	42.95
Healdsburg	1.35	8.19	5.50	1.08	0.00	0.30	0.00	0.00	2.05	0.50	5.94	2.24	27.10
Helen Mine	2.12	18.48	10.39	1.47	0.00	0.00	0.00	0.00	3.93	2.02	8.23	4.13	50.77
Hetch Hetchy	1.06	9.69	11.21	0.56	1.56	0.02	0.40	0.00	1.35	0.71	3.92	1.85	32.33
Hollister	0.54	3.56	3.83	0.32	0.08	T.	0.00	T.	4.51	0.20	2.33	1.92	17.29
Hullville (near)	2.45	11.79	7.38	1.90	0.23	0.07	T.	0.00	2.33	1.58	6.78	4.06	38.57
Huntington Lake	0.60	9.67	10.15	0.59	1.03	0.42	0.42	0.47	3.91	1.64	4.08	1.83	34.81
Idria					0.10	T.	T.	0.00	0.85	1.44	2.89	1.77	
Independence	0.06	0.77	1.02	0.00	0.18	0.13	0.04	0.05	0.40	0.35	T.	1.02	4.02
Indio	0.03	0.45	0.71	0.00	T.	0.21	0.02	T.	0.04	0.00	0.25	0.28	1.99
Inskip	1.78	17.54	15.05	3.99	0.70	T.	0.00	T.	5.00	3.70	5.90	4.93	58.59
Jenny Lind	0.72	4.91	6.92	0.57	0.00	0.00	0.00	0.00	2.96	0.00	2.78	2.02	20.88
Jolon	0.26	7.12	5.96	T.	0.00	0.00	0.00	T.	3.08	0.74	2.76	1.75	21.67
Julian	2.86	2.87	12.76	0.12	0.41	0.68	0.98	0.13	0.16	1.37	3.63	4.01	29.98
Kennedy Mine	1.16	6.76	10.29	1.31	0.11	0.00	0.00	0.00	4.05	0.40	2.73	1.62	28.43
Kennett	1.69	9.70	8.93	1.82	0.17	0.00	0.00	0.22	3.01	5.78	6.74	3.81	41.67
Kentfield	1.19	12.53	4.03	1.40	0.00	T.	0.00	0.00	3.09	0.90	9.23	4.57	36.94
Kernville	0.27	2.02	3.78	0.00	0.00	0.00	T.	0.00	1.69	0.14	1.18	0.95	10.03
King City	0.18	4.56	4.07	0.00	0.00	0.00	0.00	0.00	2.01	T.	1.04	1.79	13.65
Knights Landing	1.10	4.05	3.47	1.11	0.00	0.00	0.00	0.00	3.65	0.10	1.92	1.53	16.93
La Crescenta	0.40	8.83	9.51	0.30	0.00	0.00	0.00	0.00	2.03	0.25	2.98	2.64	26.94
La Grange Dam										0.04	2.47	1.62	
La Jolla	3.67	3.88	12.39	0.77	2.08	0.20	0.07	0.15	0.20	1.31	3.60	2.46	30.78
Lake Eleanor	1.17	12.27	11.95	0.08	1.42	0.88	0.00	1.00	3.13	1.81	5.41	2.24	41.36
Lake Spaulding	2.85	14.70	16.48	3.81	0.48	0.00	0.00	0.03	6.60	3.97	7.08	3.07	59.07
Lancaster (near)	0.22	1.15	2.21	0.00	0.00	0.51	0.12	0.00	0.83	0.00			
La Porte	1.81	13.36	13.10	3.12	0.77	0.00	0.00	T.	7.50	4.39	5.58	3.37	53.00
Las Plumas	1.15	9.76	7.59	2.46	0.38	T.	0.00	0.00	3.49	0.28	3.50	2.22	30.83
Lathrop	0.87	2.53	2.58	0.69	0.00	0.00	0.00	0.00	4.28	0.70	1.51	1.73	14.89
LeGrand	0.83	4.84	6.16	0.00	0.00	0.00	0.00	0.00	0.70	0.00	2.06	0.95	15.54
Lemon Cove	0.25	3.02	5.02	0.10	0.38	T.	0.00	0.00	0.27	0.45	2.09	2.02	13.60
Lick Observatory	1.43	6.11	4.64	0.67	0.09	0.00	0.00	0.00	5.18	0.40	3.24	2.34	24.10
Lindsay	0.21	3.21	3.90	0.20	0.17	T.	0.00	0.01	0.52	0.05	1.53	1.60	11.40
Live Oak Canyon	0.53	5.28	9.42	0.32	0.36	T.	0.00	0.06	0.69	0.36	2.34	1.13	20.49
Livermore	0.59	3.08	3.32	0.61	0.00	T.	0.00	T.	5.72	0.39	2.38	1.51	17.60
Llano	0.30	2.55	2.08	T.	T.	0.40	0.10	0.30	0.85	0.16	0.75	0.80	8.29
Lompoc									0.54	0.00	3.35	2.57	
Lone Pine	0.27	1.59	2.80	0.00	0.20	T.	0.00	0.10	0.70	0.78	0.02	0.55	7.01
Lordsburg	0.00	4.80	8.26	0.00	0.05	0.00	0.00	0.00	0.25	0.00	0.80	1.36	15.52
Los Alamos	0.41	11.86	7.18	0.00	0.00	0.00	T.	T.	0.20	0.30	2.94	2.63	25.52
Los Angeles	0.50	6.14	6.21	0.15	0.40	0.03	0.09	0.03	0.55	T.	1.85	1.54	17.49
Los Gatos	0.67	5.33	5.82	0.35	T.	T.	0.00	0.00	6.84	0.30	5.96	2.50	27.77
Lower Haines Canyon			10.69	0.26	0.20	T.	0.36	0.24	2.21	0.11	2.83	2.47	
Lytle Creek	0.76	6.98	16.63	0.63	0.23	0.13	1.02	0.23	0.54	1.74	2.97	2.10	33.96
McCloud	1.46	8.23	9.53	1.86	1.15	T.	0.00	0.42	2.99	3.86	4.02	1.88	35.40
McKinney	1.45	10.32	7.42	0.86	0.07	0.18	T.						
Madeline	0.88	2.65	2.51	0.22	0.81	T.	T.	0.00	2.00	1.53	0.58	1.32	12.50
Magalia	1.15	11.24	12.11	2.56	0.98								
Maricopa	0.60	3.15	1.42	0.03	0.00	0.02	0.00	0.00	1.15	0.12	0.62	0.73	7.84
Mariposa	0.67	10.35	11.06	0.22	0.76	0.08	0.00	0.00	0.94	0.70	5.00	2.08	31.86
Markleeville	0.50	6.65	5.57	0.09	0.30	0.02	0.69	T.	2.62	1.39	0.77	0.71	19.31
Marysville	1.01	4.02	4.29	1.37	0.00	T.	T.	0.00	3.40	0.15	2.81	2.25	19.30
Mecca	0.01	0.26	0.85	0.00	0.00	T.	T.	0.55	T.	T.	T.	0.55	2.22
Melones	0.92	9.06	9.95	0.43	0.00	0.00	0.00	0.00	2.53	0.23	3.59	1.94	28.65
Merced	0.78	4.41	4.89	0.03	T.	T.	0.00	0.00	0.76	0.49	2.09	1.52	14.97
Merced Falls	0.78	5.50	7.89	0.01	0.16	T.	0.00	0.00	2.06	0.10	2.19	1.65	20.34
Mesa Grande	2.00	3.70	10.41	0.31	1.54	0.18	0.15	0.18	0.00	1.81	3.54	3.28	27.10
Middlewater	0.39	5.40	1.96	0.00	0.00	0.00	0.00	0.00	0.34	0.32	0.51	0.89	9.81
Mill Creek (No. 1)	1.30	13.70	15.23	1.39	0.89	0.00	0.00	0.11	3.65	2.98	4.72	2.69	46.66
Mill Creek (No. 2)	1.04	3.08	11.41	0.55	0.40	1.07	0.04	0.49	0.06	1.62	2.24	2.70	24.70
Milo	0.60	4.30	6.25	0.12	0.40	0.00	0.00	0.00	1.00	0.00	1.85	2.05	16.57
Milton (near)	0.83	6.06	9.14	0.75	0.01	T.	0.00	T.	3.53	0.10	2.48	1.99	24.89
Mineral						T.	0.08	0.11					
Mokelumne Hill	1.02	8.02	10.71	0.98	0.06	T.	0.00	T.	4.11	0.41	3.15	1.47	29.93
Monroeville	0.59	1.64	4.28	0.76	0.39	0.00	0.00	0.00	2.49	0.83	2.43	2.06	15.27
Monrovia Canon	0.50	7.46	11.53	0.65	0.08	0.07	0.11	0.04	1.28	0.22	2.76	1.66	26.36
Montague	1.76	1.38	1.22	0.22	0.04	T.	0.19	0.79	1.78	1.51	1.69	0.98	11.56
Montgomery Creek	1.35	6.77	11.85	3.75	2.70	0.00	0.00	1.20	4.55	5.35	4.90	1.65	44.07
Mount Tamalpais	1.06	5.02	2.78	1.11	0.01	0.04	0.00	0.00	2.90	0.45	5.18	2.78	21.33
Mount Wilson	0.64	13.39	12.85	0.37	0.31	0.07	0.40	0.39	1.90	0.58	4.79	2.53	38.22
Mouth San Antonio Canyon	0.76	6.71	12.66	0.49	0.72	0.00	0.00	0.33	0.51	0.67	3.45	1.33	27.63
Napa	1.04	6.48	2.91	0.75	0.06	T.	0.00	0.00	2.65	0.43	3.61	1.82	19.75
Needles	0.26	0.39	0.87	0.06	T.	0.88	0.77	2.85	0.08	0.13	0.19	1.20	7.68
Nellie	4.20	5.03	15.70	0.80	2.43	0.03	0.07	0.34	T.	2.00	3.87	3.43	37.90
Nevada City	1.58	11.05	10.26	2.62	0.45	T.	T.	T.	6.03	1.50	4.96	2.25	40.70
Newman	0.41	3.35	3.72	0.11	0.00	0.00	0.00	0.00	3.04	0.11	2.94	2.34	16.02
Nicolaus	1.19	4.29	3.64	1.35	0.00	0.00	0.00	0.00	3.54	0.27	1.91	2.09	18.28
Niles	0.88	3.64	4.19	0.55	0.00	0.00	0.00	0.00	5.05	0.20	2.77	1.71	18.99
North Bloomfield	1.35	10.33	10.60	2.67	0.34	0.00	0.00	0.00	6.26	1.76	4.22	2.18	39.71
North Fork	0.88	10.30	10.85	0.33	2.32	T.	0.00	T.	1.60	2.29	6.41	2.74	37.72
North Lakeport	1.89	5.45	4.50	0.85	0.00	0.28	0.00	0.00	1.92	0.22	4.50	2.62	21.93
Oakdale (near)			5.53	0.40	0.02	T.	0.00	T.	2.84	T.	1.98	1.80	
Oak Grove	1.14					0.32	T.	0.65	0.00	1.06	1.46	1.64	
Oakland	1.20	6.60	3.60	0.60	T.	T.	0.00	0.00	4.48	0.15	3.32	2.94	23.39
Oceanside	2.29	2.70	4.93	0.05	T.	0.22	T.	0.13	0.39	0.47	1.11	1.35	13.64
Ojai Valley	0.31	13.43	10.78	0.02	0.00	0.01	0.13	0.18	1.57	0.06	2.94	1.10	30.53
O Melveny Camp	0.44	9.25	14.68	0.54	0.20	0.06	0.05	0.05	0.76	0.52	2.82	1.70	31.07
Opid Camp	0.79	15.03	21.83	0.00	0.01						4.62	3.29	
Orland	0.55	3.64	3.71	0.71	0.20	0.03	T.	T.	1.97	0.66	2.58	2.44	16.49
Orleans	5.25	7.70	4.56	1.32	0.18	0.04	T.	0.77	1.59	1.46	6.84	5.03	34.74

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
California—Continued.													
Oroville (near)	1.23	5.27	6.50	1.70	0.47	T.	T.	T.	3.45	0.34	2.26	1.62	22.84
Ozena	0.78	9.97	6.69	0.00	T.	0.00	0.14	0.00	0.94	0.00	1.86	1.50	21.83
Pacoima	0.16	7.71	9.31	0.23	0.00	0.00	0.50	0.05	1.66		2.80	3.47	
Parkfield	0.29	7.44	4.87	0.00	0.26	0.00	0.00	0.00	0.46	0.70	2.35	1.74	18.11
Pasadena	0.36	8.34	9.43	0.25	1.07	T.	0.45	0.06	1.20	0.02	2.19	1.83	25.20
Paso Robles	0.36	7.90	5.45	0.00	0.00	0.00	0.00	0.00	0.46	0.49	3.04	1.29	18.99
Pattiway	1.41	6.56	3.32	T.	T.	T.	T.	T.	1.08	0.50	2.27	2.06	17.20
Peachland	1.59	10.36	5.82	1.21	0.24	0.22	T.	0.01	2.45	1.03	5.84	2.38	31.75
Petaluma	1.43	4.76	2.79	0.64	0.00	0.11	0.00	0.00	2.85	0.63	4.15	2.32	19.68
Piedra	0.32	5.86	5.66	T.	0.48	0.00	0.00	0.00	0.64	0.47	3.05	2.13	18.61
Placerville	1.45	11.30	10.92	1.86	0.46	T.	T.	T.	4.19	1.93	3.61	1.80	37.52
Point Loma	2.25	1.66	4.73	T.	0.04	0.04	0.00	0.18	0.18	0.87	1.47	1.80	13.22
Point Reyes Light	0.82	4.03	2.27	0.91	T.	0.26	T.	0.00	1.96	0.69	3.15	1.29	15.38
Pomona	0.77	5.14	7.66	0.03	0.25	T.	0.02	0.06	0.40	0.26	1.79	1.13	17.51
Porterville	0.18	1.92	3.16	0.17	0.19	0.00	0.00	0.00	0.74	0.56	1.65	1.50	10.07
Portola	0.20	5.33	3.46	0.05	0.04	0.00	0.00	0.01	2.08	1.18	1.26	0.70	14.31
Priest Valley	0.36	8.42	7.15	0.00	0.00	0.00	0.00	0.00	1.09	0.89	3.34	2.39	23.64
Quincy	0.75	5.56	8.47	0.35	1.33	0.00	0.00	T.	6.14	2.38	1.69	1.51	28.18
Raywood Flat	1.20	4.75	17.98	0.34	0.40	0.09	0.96	0.72	0.85	1.48	4.59	2.77	36.13
Red Bluff	0.67	3.23	4.28	0.68	0.05	0.09	0.00	0.12	7.46	0.51	4.70	1.78	23.57
Redding	1.52	5.70	5.39	1.15	0.46	0.10	T.	0.27	3.21	6.29	4.32	2.35	30.76
Redlands	0.57	2.48	7.22	0.14	0.53	0.02	0.08	0.64	0.07	0.82	1.13	2.03	15.73
Reedley	0.28	3.48	4.98	0.00	0.55	0.00	0.00	0.00	0.70	0.00	1.90	2.60	14.49
Represa	1.11	4.67	6.28	0.96	0.09	0.00	0.00	0.00	0.70	0.32	2.54	2.60	19.27
Rio Vista	1.03	3.64	3.62	0.81	T.	0.00	0.00	0.00	4.69	0.14	2.14	1.73	17.80
Riverside	0.59	2.23	5.49	0.04	0.19	0.04	0.02	0.26	0.30	1.39	1.19	0.96	12.70
Rocklin	1.10	4.84	5.01	1.18	0.00	0.00	0.00	0.00	3.60	0.44	2.19	2.07	20.43
Rohnerville	3.55	7.80	5.35	1.33	0.50	T.	0.15	0.30	2.00	0.00	5.07	5.68	31.73
Rosamond				0.00	0.00								
Ruth	2.59	9.87	8.40	2.63	T.	0.00	0.00	0.05	1.73	1.92	7.33	4.49	39.01
Sacramento	0.97	3.36	4.00	1.06	0.01	T.	0.00	T.	3.58	0.40	1.84	1.70	16.92
St. Helena	1.42	8.15	4.66	0.60	0.13	T.	0.00	0.00	3.43	0.92	5.02	2.29	26.62
St. John	0.64	3.71	4.42	0.76	0.32	0.00	0.00	0.00	2.13	0.57	2.16	1.80	16.51
Salinas	0.72	2.60	3.31	0.49	0.02	0.00	0.00	0.00	5.49	0.17	2.72	2.22	17.74
San Antonio Canon	1.19	9.43	16.43	0.32	0.00	0.00	0.00	0.00	1.05	1.40	3.95	2.25	36.02
San Antonio Intake	1.08	8.27	17.98	0.41	0.38	0.00	0.00	0.45	1.28	1.76	3.42	2.36	37.34
San Bernardino	0.53	3.05	7.44	0.32	0.32	1.02	0.05	0.03	0.29	0.89	1.95	1.72	17.61
San Diego	1.64	1.52	4.57	T.	T.	0.06	T.	0.11	0.08	0.42	1.91	1.68	11.99
San Francisco	0.81	5.79	2.73	0.60	T.	T.	T.	0.00	2.53	0.17	5.60	2.62	20.85
San Gabriel Intake	0.48	11.82	16.70	0.51	0.22	0.10	0.02	0.00	0.80	0.72	3.34	2.05	36.76
San Gabriel power house	0.80	7.38	10.84	0.39	0.25	0.02	0.00	0.00					
San Jacinto	1.10	2.09	6.80	0.02	0.42	0.39	0.12	0.09	0.03	0.99	1.60	1.16	14.81
San Jose	0.70	2.63	4.48	0.45	T.	0.00	0.00	0.00	6.33	0.15	2.24	1.28	18.26
San Luis Obispo	0.55	9.63	7.12	0.04	0.01	T.	T.	0.01	0.73	0.81	4.00	1.92	24.82
San Miguel Island	0.46	6.07	7.54	0.00	0.00	0.00	0.00	0.00	0.18	0.06	2.20	1.55	18.06
San Pedro	0.92	2.61	4.08	0.00	0.24	0.05	0.00	0.12	0.88	0.08	1.53	0.32	10.83
Santa Ana	1.23	1.99	4.50	0.10	0.39	0.01	0.00	0.11	0.51	0.10	2.39	0.72	12.05
Santa Ana River	1.18	3.21	12.21	0.82	1.14	1.00	0.14	0.38	0.07	1.11	2.25	2.42	25.93
Santa Barbara	0.51	10.47	10.37	0.05	0.00	0.00	0.25	0.58	2.13	0.02	3.64	0.83	28.85
Santa Clara	0.80	2.92	3.57	0.44	T.	0.00	0.00	0.00	6.27	0.23	2.87	1.70	18.80
Santa Cruz	1.25	4.33	3.11	0.44	T.	0.00	0.00	0.05	6.60	0.46	4.20	2.40	22.84
Santa Maria	0.53	9.39	5.87	0.00	0.00	0.00	0.00	0.00	0.00	0.63	3.55	1.46	21.43
Santa Monica	0.42	8.12	8.10	T.	0.44	T.	0.05	0.15	0.36	0.02	2.93	2.15	22.74
Santa Rosa	1.43	7.06	4.73	0.86	0.03	T.	0.00	0.03	2.52	1.04	3.96	2.55	24.21
Seven Oaks	1.45	4.50	17.90	0.33	0.26	1.66	0.64	1.56	0.41	2.88	2.28	2.81	36.68
Shields Ranch	0.18	4.60	3.76	0.28	0.35	0.40	0.00	0.32	1.26	0.85	1.05	1.01	14.06
Shively	3.06	8.66	5.90	2.23	0.24	0.00	0.08	0.10	2.50	1.42	5.05	5.60	34.90
Sierra Alta ranch						1.94	1.23	2.30	1.56	1.55			
Sierra Madre	0.29	8.58	10.57	0.67	0.19	0.06	0.16	0.05	1.49	0.08	3.15	1.71	27.00
Sierraville	T.	5.80	5.61	1.03	0.00	0.00	0.00	0.00	3.54	2.55	1.91	0.75	21.19
Sisson	1.31	1.72	6.00	1.30	0.33	0.00	0.00	0.20	3.76	2.73	1.70	1.40	20.48
Sister Elsie Peak	0.51	8.95	10.39	0.22	0.18	0.15	0.20	0.36	2.29	0.30	4.03	2.84	30.92
Sonora	0.97	8.93	11.35	0.53	0.00	T.	0.00	T.	0.80	0.25	2.25	0.79	25.87
Spreckels	0.47	2.45	2.90	0.38	0.09	0.00	0.00	0.00	5.17	0.32	2.39	1.74	15.91
Springville (near)	1.34	5.68	10.60	0.54	1.35	0.92	0.00	0.05	2.06	1.02	5.24	2.35	31.15
Squirrel Inn	0.64	8.88	19.87	1.76	0.78	T.	T.	0.37	0.71	3.26	4.80	3.62	44.09
Standish	0.11	2.17	2.29	0.00	0.32	0.25	0.00	0.00	3.25	1.03	0.58	0.55	11.15
Stanwood	1.73	12.27	12.52	3.04	0.22	0.00	0.00	0.00	4.66	2.49	3.45	2.79	43.17
Sterling	0.52	0.10	0.50	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.00	T.	1.62
Stevenson Creek	0.70	9.55	9.60	0.30	1.90	0.00	0.30	0.00	1.91	T.			
Stirling City	2.20	7.90	14.40	3.00	1.10								
Stockton	0.67	2.88	2.90	0.88	0.00	0.00	0.00	0.00	3.68	0.27	1.84	2.09	15.21
Storey	0.75	3.95	4.20	0.00	0.00	0.00	0.00	0.00	0.75	0.00	2.75	0.93	13.33
Summit	3.30	12.70	10.20	0.80	0.56	0.15	0.00	0.16	6.17	4.54	5.40	4.00	47.98
Susanville	0.68		5.26	0.13	0.59		0.00	0.00	3.70	1.50			
Tahoe	1.15	9.28	8.63	0.70	0.21	0.56	T.	0.12	3.70	3.01	2.97	1.33	31.66
Tamarack	2.22	7.65	9.79	1.61	1.90	0.35	1.58	0.15	5.09	3.98	4.29	3.24	41.85
Tehachapi					0.10	0.00	0.12	0.25	1.95				
Tejon Rancho	1.60	3.01	2.90	0.25	T.	0.00	T.	0.00	0.55	0.55	1.44	1.81	12.11
Three Rivers	0.46	3.38	6.37	0.22	0.63	T.	T.	0.05	0.30	0.62	2.38	1.90	16.36
Towle	1.31	13.75	15.77	3.48	0.27	0.00	0.00	T.	6.42	0.00	7.25	2.65	50.90
Truckee	0.60	7.87	6.50	0.17	0.30	0.00	0.00	0.00	2.80	2.04	1.10	0.70	22.08
Tujunga	0.35	12.03	10.75										
Tustin (near)	1.01	3.03	4.17	T.	0.78	0.01	0.03	0.08	0.45	0.18	2.35	0.64	12.73
Twin Valley				1.09	0.46	0.21	0.00	T.	2.59	1.05	6.36	3.85	
Ukiah	2.31	8.21	4.87	1.08	T.	0.02	T.	0.90	1.43	0.78	4.33	3.54	26.57
Upper Mattole	5.27	12.75	7.67	3.27	0.09	0.00	0.00	0.00	2.29	2.35	7.87	6.79	48.35
Venice	0.62	5.78	6.26	0.12	0.35	0.00	0.08	0.16	0.34	0.08			
Visalia	0.13	3.06	3.26	0.03	0.60	0.00	0.00	T.	0.52	0.11	1.43	1.88	11.02
Walnut Creek	0.76	5.07	3.29	0.45	0.00	0.00	0.00	0.00	4.61	0.10	3.38	1.73	19.39
Warner Springs	1.48	2.33	6.75	0.05	0.54	0.48	0.00	0.28	0.05	0.67	1.53	2.10	16.26
Wasioja	0.80	10.85	7.40	0.00	0.00	0.00	0.00	0.00	0.85	0.00	2.42	0.87	23.19
Watsonville	0.89	3.90	4.96	0.74	0.00	0.00	0.00	0.00	5.67	0.32	3.87	2.34	22.69
Wells Meadow	0.02	3.70	4.60	0.00		0.00							
Weaverville	2.55	5.30	4.47	1.45	T.	T.	0.00	0.19	2.43	1.72	4.53	2.99	25.63
West Branch	1.47	14.13	14.82	3.85	0.60	T.	0.00	T.	3.64	2.67	6.69	3.37	51.24

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
California—Continued.													
West Point	1.23	11.39	13.46	0.82	0.70	0.08	0.00	0.06	3.79	2.15	3.50	2.54	39.72
Willows	0.63	4.03	3.25	0.37	0.59	T.	0.00	T.	1.79	0.45	2.11	1.63	14.85
Wilson Toll House	0.41	7.36	9.49	0.60	0.28	0.31	0.00	0.00	1.42	0.08	2.55	1.53	24.03
Woodfords	0.35	8.70	6.81										
Wrights									10.06	0.16	7.97	4.29	
Yorba Linda	1.19	3.67	5.82	0.05	0.98	T.	0.32	0.03	0.59	0.16	2.30	0.53	15.64
Yosemite	0.95	11.00	10.22	T.	1.85	0.00	T.	0.09	3.24	1.32	4.63	1.15	34.45
Yreka	1.80	3.16	1.10	0.21	0.17	0.07	0.06	0.58	2.33	1.53	2.29	0.83	14.13
Colorado.													
Akron	0.70	0.80	0.60	2.10	1.39	0.96	3.10	7.36	2.43	1.27	0.75	1.55	23.01
Ames	3.53	2.68	3.48	0.39	0.14	0.40	1.93	3.97	2.04	1.71	1.90	1.62	23.79
Arriba			1.09	1.58	0.22								
Ashcroft	2.28		4.63		0.87	1.69	2.00	1.25		2.18	0.78	0.67	
Aspen	3.56	2.87	2.77	1.47	1.10	0.90	1.24	0.67	3.67	2.30	1.22	1.30	23.07
Auldhurst	0.58	1.02	2.47	2.54	0.40	2.68	3.06	1.61	2.78	0.72	1.23	1.42	20.51
Blanca	0.85	1.59	1.68	3.22	1.80								
Bennett (near)	0.23	0.51	0.97	1.39	1.62	2.46	1.88	1.75	2.30	1.06	0.64	0.59	15.40
Bonanza	1.66	1.44	1.68	1.21	0.04								
Boulder	0.68	1.18	0.72	2.98	2.03	1.28	2.54	0.57	3.62	1.10	0.78	1.36	18.84
Branson								0.94	3.34	0.88	0.91	2.32	
Buena Vista	0.37	0.44	0.37	0.14	1.50	0.00		0.40	0.89	0.31		0.52	
Burlington	0.41	0.50	0.45	2.00	0.28	1.35	3.12	0.82	2.18	2.41	0.20	3.50	17.22
Calhan	0.31	0.97	0.54	2.75	0.68	2.28	4.03	2.00	2.44	1.44	0.74	1.31	19.49
Canadian			1.10	1.74	0.22	0.30							
Canon City	1.09	0.84	0.32	1.36	0.05	2.95	2.34	1.25	2.46	1.09	0.96	1.27	15.98
Cascade	2.98	2.72	4.45	0.99	0.18	1.22	4.74	2.70	3.19	1.75	2.22	2.59	29.73
Castle Rock	1.10	0.55			2.05	1.94	2.40	1.35					
Cathedral	0.87	0.65	0.60	0.50	0.10	0.83	2.61	1.15	1.71	0.50	0.12	0.04	9.73
Cedaredge	1.92	0.98	1.67		T.								
Cheesman	0.82	0.84	2.09	2.74	1.03	1.57	2.92	1.34	2.02	0.55	1.03	0.98	17.93
Cheyenne Wells	1.73	1.35	1.10	1.87	2.47	2.46	4.53	2.63	1.94	1.48	0.35	1.86	23.77
Collbran	3.79	1.25	2.43	1.04	0.08	0.39	1.41	1.49	2.22	1.70	1.32	1.46	18.58
Colorado Springs	0.46	0.38	0.11	1.05	1.29	1.69	3.48				0.93	0.27	
Columbine	2.72	2.60	2.85	1.54	1.29	0.95	1.65	0.29	2.11	2.48	1.05	0.85	20.38
Columbine Ranch	2.31	0.77	2.04	1.29	0.34	0.96	1.67	1.00	2.70	2.20	2.58	2.12	19.98
Crawford (near)	1.39	0.02	0.00	0.60	0.00	0.28	0.48	0.00	2.08	T.	0.74	0.92	6.51
Crested Butte	2.90	3.39	5.73	0.62	1.09	0.75	1.26	0.28	4.40	2.27			
Cripple Creek	0.45	1.46	0.84	1.40	0.19	4.05	4.12	0.82	1.54				
Cuchara Camps	2.30	1.74	6.41	2.10	0.30	2.83	4.49	1.70	3.43	3.42	1.92	2.34	32.98
Cumbres	4.26	4.57	6.86	0.30	0.34	2.37	2.45	1.47	1.49	0.44	4.99	3.78	33.32
Delta	1.98	0.68	0.46	0.67	T.	0.52	0.79	0.26	0.50	1.01	0.51	0.88	8.26
Denver	0.59	1.02	1.04	2.71	1.73	0.86	2.93	1.31	2.89	0.42	0.88	1.40	17.78
Dillon	1.65	2.77	2.13	0.98	0.56	0.89	0.71	0.76	2.62	1.14	0.78	0.61	15.60
Dolores	1.84	0.86	3.81	0.44	0.00	0.50	0.91	1.21	1.64	0.61		1.13	
Dove Creek	0.97	0.24	2.17	T.	T.	1.16	2.50	0.99	1.64	0.78	0.89	1.14	12.48
Durango	1.81	1.59	3.56	0.99	T.	0.39	1.88	1.81	2.52	1.83	2.40	2.28	20.56
Eads	0.47	0.50	0.84	0.41	2.75	1.29	0.65	T.	0.25				
Edgewater	0.66	1.32	1.50	3.07	1.67	0.90	2.71	1.12	1.92	0.13	1.01		
Estes Park	0.49	1.59	1.06	2.91	2.18	2.43	3.44	1.14	3.00	0.57	1.19	0.58	20.58
Fairplay	0.25	2.99									1.10		
Flebbe Ranch												0.25	
Fort Collins	0.41	1.05	0.14	3.72	0.95	1.18	4.83	1.91	3.23	0.71	0.90	0.76	21.79
Fort Lewis	1.20	1.23	2.17	0.49	T.	1.53	3.25	1.15	3.64	0.86	1.26	2.51	19.29
Fort Lupton	0.18	0.64	1.14	1.29	2.56	0.70	3.58	2.11	1.55	0.28	1.10	0.88	16.01
Fort Morgan	0.08	0.42	0.40	1.21	0.90	1.26	3.74	2.48	0.96	0.78	0.58	0.98	13.79
Frances	1.86	2.71	2.35	3.26	2.56	3.80	3.42	3.14					
Fraser	2.68	2.66	2.34	2.73	2.03	1.29	1.73	1.53	2.03	2.03	0.74	0.69	22.48
Fremont Experiment Station	0.96	0.94	1.32	2.68	0.52	3.70	3.13	3.32					
Fruita	1.15	0.29	3.06	0.51	0.22	0.66	2.17	0.58	1.48	1.18	1.35	0.73	13.38
Fry's ranch	0.55	1.66	1.17	2.68	2.06	2.54	3.99	0.70	2.40	1.08	0.89	0.70	20.42
Garfield	3.49	2.26	3.84	1.74	0.56	2.30	1.87	2.34	3.38	1.70	1.75	1.58	26.31
Garnett	0.34	1.04	0.00	0.25	0.00	1.06	2.10	0.46	1.57	0.67	0.35	0.60	8.44
Georgetown	0.48	0.87	0.82	1.12	0.66	1.99	2.85	1.63	2.71	0.77	1.15	0.27	15.32
Glade Park	1.49	1.08	2.61	1.09	0.24	0.55	1.27	1.97	2.06	0.89			
Glendevey								0.47	2.52				
Glenwood Springs				0.66	0.29	0.96	1.54	0.55	1.69	1.48	0.93	0.21	
Goodpasture	1.81	2.00	2.25	0.89	0.20	5.90	[illegible]0	0.50	3.20	0.70	1.07	1.67	21.99
Grand Junction	1.18	0.33	1.18	0.43	0.05	0.33	0.78	1.28	0.97	0.87	0.75	0.85	9.00
Grandlake	4.26	3.05	2.07	3.01	0.58	1.22	3.21	0.10	2.17	1.37	1.28	0.42	22.74
Greeley	0.35	0.24	0.10	0.76	1.62	0.88	2.97	1.84	1.42	0.12	0.51	0.53	11.34
Grover	1.56	0.84	0.05	3.35	1.46	2.68	3.86	1.21	1.61	0.23	0.06	0.90	17.81
Gunnison	1.58	0.85	0.63	0.24	0.66	0.47	1.80	0.82	2.50	0.38	1.03	0.71	11.67
Hamps	0.27	0.82	0.16	2.57	0.42	2.26	1.93	2.35	1.27	1.03	0.94	0.61	14.63
Hartsel	0.42	0.35	0.23	0.61	0.59	1.22	2.76	1.12	2.08	0.40	0.33	0.95	11.06
Hawthorne	0.66	1.81	2.27	3.63	2.96	3.95	2.17	1.87	5.15	2.15	1.39	1.33	29.34
Hermit	2.09	0.94	1.53	0.64	T.	0.71	3.32	4.28	1.75	1.99	1.94	1.93	21.12
Hoehne (near)			3.40	0.78	0.08	0.43	1.85	0.86	2.55	0.72	0.55		
Holly	0.40	0.73	1.05	0.91	1.34	0.66	2.14	1.42					
Holyoke	0.52		0.76	2.12	1.66	2.91	5.94	3.03	1.83	1.02	0.43	1.46	
Hoyt	0.44	0.83	0.94	1.40	1.70	0.52	2.92	0.79	1.60	1.90	0.65	1.10	14.79
Huerfano	2.24	1.21	2.97	1.17	0.06	2.22	2.23	0.98	2.80	0.99	0.92	2.32	20.21
Idaho Springs	0.59	0.73	1.38	1.80	1.69	3.16	3.21	1.16	2.54	1.40	0.66	0.41	18.73
Ignacio	1.08	0.91	2.42	0.31	0.03	0.69	2.38	0.95	1.57	1.03	1.54	1.35	14.26
Ironton	5.28	1.83	2.46	1.94	0.30	1.00	1.10	1.69	2.19	0.72	2.00	0.77	21.28
Julesburg	0.31	0.45	0.74	2.62	0.74	0.92	5.73	3.10	1.82	2.44	0.21	1.17	20.25
La Junta	0.90	0.76	0.44	0.79	0.59	3.41	1.20	1.63	2.21	0.55	0.37	1.36	14.21
Lake Moraine	1.05	1.30	2.45	2.63	0.52	3.74	5.67	2.09	2.78	1.70	1.41	1.22	26.56
Lamar	0.70	0.90	0.75	0.42	2.57	0.93	1.92	0.83	2.33	0.94	0.43	2.24	14.96
La Porte	0.54	1.16	T.	2.56	2.32	1.32	4.81	1.80	2.57	0.28	1.14	0.70	19.20
Las Animas	0.45	0.58	0.32	0.68	1.53	0.87	0.85	1.00	1.91	0.26	0.40	0.98	9.83
La Veta Pass	2.45	1.18	4.04	1.33	0.26	2.89	2.02	1.53	0.78	1.71	2.17	2.29	22.65
Ley	1.91	1.48	1.52	1.22	0.51	2.02	1.67	0.34	1.54	1.30	0.60	0.83	14.94
Leadville	2.29	2.60	2.17	0.92	0.40	0.28	0.28	0.97	3.50	1.85	1.12	1.00	17.38
Leroy (near)	0.57	0.73	0.51	2.74	1.20	2.63	5.32	5.28	2.48	1.57	0.43	1.48	24.94

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Colorado—Continued.													
Limon	0.60	0.72	0.19	3.42	0.26	2.10	1.88	2.65	1.76	1.84	1.09	2.02	18.73
Lonesome	4.99												
Longmont	0.32	1.20	0.73	3.06	2.02	0.86	4.93	1.82	1.70	1.40	0.93	0.75	18.72
Longs Peak	1.27	2.66	0.74	2.65	0.93	2.34	5.37	1.54	2.04	0.66	0.63	1.42	22.25
Lost Creek	7.00					1.70	2.69	0.62	2.11	3.15	2.06	1.61	
Madrid	0.86	0.52	2.27	0.67	0.03	0.91	3.25	1.38	2.56	1.52	0.84	1.15	15.96
Manassa	0.32	0.70	1.14	0.40	T.	0.47	1.45	1.01	1.40	0.38	0.25	0.67	8.19
Mancos	1.39	0.97	2.19	0.25	0.05	2.07	2.14	1.00	1.04	1.02	1.78	1.85	15.75
Meeker	3.23	0.84	1.01	1.40	0.56	0.62	2.54	1.83	2.29	1.49	1.29	1.80	18.90
Montrose	1.92	0.49	0.16	1.20	0.00	0.31	0.87	1.24	1.34	1.53	1.01	0.83	11.00
Monument	0.84	1.03	1.71	2.79	1.43	2.10	2.14	1.33	3.83	1.12	1.08	0.75	20.15
Nast	3.43	2.98	2.44	1.34	1.01	2.20	1.65	0.89	3.50	1.37			
North Lake	1.54	1.86	1.54	1.18	0.25	1.89	6.36	3.59	4.00	2.75	1.44	1.16	27.56
Ordway					1.05	2.62	1.40	0.25	1.35	0.15	0.58	1.23	
Palisade Lake	3.92	2.69	7.05	1.13	0.03	1.73	3.77	3.35	2.89	2.20	2.83	3.59	35.18
Palisades	2.54	0.44	1.70	0.38	0.00	0.00	0.70	1.05	1.05	1.04	0.79	1.09	10.78
Paonia	3.37	1.18	3.18	1.75	T.	1.16	1.34	0.45	2.18	2.59	1.74	1.44	20.38
Peetz	0.26	0.25	0.40	2.27	2.07	0.62	4.85	1.69	2.48	1.20		0.60	
Pitkin	2.19	1.27	3.42	2.14	0.38	4.31	1.44	1.29	2.80	0.88	1.33	0.73	22.18
Platte Canon	1.00	1.17	2.95	2.35	1.74	0.92	2.95	1.79	3.72	1.45	1.43	1.91	23.38
Platoro					0.63	2.30	5.33	2.11	2.17				
Pueblo	0.61	0.79	0.35	1.31	0.06	1.02	0.93	0.57	1.43	0.14	0.66	0.92	8.79
Pyramid								0.70	2.36	1.91			
Redvale	1.99	0.61	0.39	1.30	T.	1.01	2.12	1.31	1.56	1.34	1.80	1.53	14.96
Rico	3.66	2.05	5.86	0.94	0.32	1.03	5.26	3.12	3.08	1.77	2.00	1.89	30.98
Rifle	2.31	0.39	2.24	0.40	0.15	0.53	0.90	0.48	2.12	1.07	0.88	0.75	12.22
Rocky Ford (near)	0.56	T.	0.35	0.57	0.35	2.70	1.79	1.10	1.54	0.21	0.20	1.14	10.51
Saguache	0.90	2.50	0.05	0.10	T.	2.30	1.83	1.92	1.63	1.20	0.32	0.68	13.43
Salida	0.81	0.81	0.30	0.47	0.00	1.57	1.83	1.64	1.89	0.41	0.72	1.24	11.69
San Luis	1.01	0.44	0.40	0.74	0.26	1.82	1.20	0.66	2.31	0.46	1.40	0.78	11.48
Sapinero (near)	4.22	2.19	1.90	2.45	0.41	0.58	1.63	1.30	3.01	1.98	2.75	1.72	24.14
Savage Basin	10.56	4.49	6.26	4.76	1.03	1.32	3.06	3.76	3.64	3.88	4.01	2.01	48.78
Sedgwick	0.19	0.25	0.73	2.12	1.06	1.09	6.73	3.03	2.20	0.86	0.18	1.25	19.69
Shoshone	2.14	1.27	2.24	1.13	0.74	0.43	1.43	0.96	3.05		0.96	1.04	
Silver Lake	5.96	4.76	2.83	7.59	1.84			2.01	2.10	2.50	1.46	1.0	
Silverton (near)	1.44	0.54	2.73	0.38	0.05	1.21	2.83	3.15	3.50	2.13	2.12	1.87	21.95
Simpson	0.60	1.10	0.62	1.92	1.27	0.51	1.05		0.19	0.17			
Spicer (near)		1.36	0.42	0.14	0.07	0.53	1.45	0.81	1.37			0.54	
Steamboat Springs	5.00	2.70	2.12	1.86	0.46	0.79	3.07	1.02	2.70	2.81	1.31	1.16	25.00
St. Elmo	2.01	2.22	2.88	1.11	0.47	1.15	1.77	2.85	2.93	1.58	1.07	0.84	20.88
Sterling	0.71	1.10	0.31	1.52	1.31	1.47	3.59	5.04	1.69	0.48	0.34	0.57	18.13
Springfield	0.80	1.15	1.70	1.24	2.30	2.25	3.00	1.98	2.37	1.15	0.30	0.20	18.44
Tacoma	2.00	1.17	4.46	0.32	0.80	0.84	2.18	1.75	2.43	1.15	1.41	2.88	21.30
Telluride	4.85	1.39	2.00	1.84	0.61	1.47	3.23	2.70	2.63	1.64	1.65	0.95	24.96
Terminal Dam	2.99	1.90	2.84	0.59	0.04	0.11	2.70	3.12	2.49	1.74	0.87	3.65	23.04
Trinidad	1.75	1.07	3.04	1.00	0.18	0.88	2.62	1.81	3.43	1.54	1.04	1.53	19.84
Trout Lake	4.75	2.17	3.42	1.33	0.68	1.25	3.66	2.73	3.30	2.25	3.06	1.56	30.16
Two Buttes	0.30	0.93	1.70	1.05	2.48	2.93	2.59	1.39	2.22	1.84	0.25	1.85	19.53
Two Buttes Reservoir	0.24	0.32	2.37	0.98	2.15	0.72	2.80	0.73	1.81	0.42	0.02	0.82	13.38
Vallecito	1.14	1.06			0.00	0.97	2.30	1.47	2.30	1.79	1.29		
Victor (near)	1.21	0.95	0.73	1.15	0.39	3.26	5.26	2.22	2.04	1.01	1.06	0.76	20.04
Wagon Wheel Gap (Experiment Station)	0.82	1.07	1.78	0.60	0.12	0.90	3.13	2.59	2.80	1.03	1.99	1.32	18.15
Wagon Wheel Gap (River Valley)	0.37	0.99	0.96	0.36	T.	0.34	2.91	1.90	2.10	0.83	0.90	0.71	12.87
Waterdale				3.07	2.48	2.23	3.02	1.60	3.37	0.73	0.95	0.62	
Westcliffe	1.20	1.09	1.52	0.96	0.02	2.02	2.09	0.42	1.93	1.20	1.82	1.90	16.17
Wiggins	0.62	1.20	0.11	1.21	0.67	0.71	2.84	2.74	0.90	0.59	0.62	0.91	13.12
Wortman	3.85	3.06	2.54	1.67	1.06	2.13	3.12	1.36	4.30	2.40	1.27	1.56	28.32
Willard	0.39	0.26	0.29	1.79	2.52	1.77	7.06	3.05	2.02	1.39	0.42	0.85	21.81
Wray	0.40	0.95	0.50	1.00	1.20		3.80	2.25	2.85	2.75			
Yampa (near)	2.42	3.17	0.70	1.15	0.05	0.86	1.72	1.50	1.22	0.19	0.81	1.75	15.54
Yuma	0.27	0.77	0.55	2.38	1.05	1.19	3.80	2.80	2.01	1.71	0.78	1.62	18.93
Connecticut.													
Bridgeport	3.63	3.20	1.93	3.56	3.87	5.27	3.65	1.80	4.66	1.47	3.01	3.98	40.03
Canton		2.67	2.74	3.06	3.98	3.22	3.02	2.86	5.96	0.77	2.77	3.47	
Colchester	3.41	3.87	2.61	3.93	3.20	4.73	2.95	3.22	8.98	1.52	3.39	4.14	46.97
Cream Hill	3.90	2.66	2.30	3.86	4.44	3.23	3.77	2.76	6.99	1.78	2.95	3.97	42.61
Danielson	2.05	3.10	1.00	2.30	1.41	5.43	3.25	3.37	8.86	1.50	2.10	3.10	37.47
Hartford	3.28	2.43	2.58	3.36	3.46	4.36	2.76	3.51	4.89	0.82	2.74	3.56	37.75
New Haven	3.61	3.04	2.32	4.26	3.82	6.10	4.31	2.51	6.16	1.20	3.37	4.21	44.91
New London	4.81	4.46	2.32	4.24	3.77	4.88	4.15	1.41	6.66	1.44	3.01	3.64	44.79
North Grosvenor Dale	3.95	3.74	3.19	3.68	2.96	3.22	1.79	3.00	10.01	1.19	3.47	3.43	43.63
Norwalk	3.48	1.80	1.63	3.74	3.04	3.40	4.19	3.29	4.73	1.44	3.19	4.11	38.04
Southington	3.90	2.95	1.65	2.75	2.20	3.70	2.65	1.75	5.00	1.00	2.30	2.70	32.55
Storrs	3.71	2.32	2.37	3.08	2.74	4.29	3.01	3.87	7.77	0.93	0.91		
Torrington	3.30	3.00						2.81	5.00	1.58	4.49	2.67	
Voluntown	3.35	3.31	2.32	5.05		5.06	3.99	3.13	7.24	1.18	2.53	3.38	
Waterbury	2.78	1.62		3.24	4.64	4.68			4.83	1.94	2.42	4.12	
Delaware.													
Delaware City	3.11	1.20	2.52	3.98	3.26	2.16	2.75	0.51	3.91	0.16	2.48	3.37	29.41
Milford	4.57	1.40	7.06	4.52	2.87	1.85	4.04	2.14	3.25	0.73	0.96	4.47	37.86
Millsboro	4.67	0.96	3.71	4.71	2.99	4.12	0.86	1.86	4.90	1.39	0.68	3.04	33.91
Newark	4.30	1.07	1.77	4.47	4.85	2.44	2.16	1.74	3.58	0.98	1.27	4.08	32.71
Seaford	4.21	0.91	3.53	4.63	2.79	3.47	2.35	0.60	4.49	1.27	0.77	3.62	32.64
Wilmington	4.64	1.49	2.26	3.66	3.80	3.49	1.86	2.45	3.41	0.91	1.48	3.94	33.39
District of Columbia.													
Washington (U. S. Weather Bu.)	4.29	0.83	5.04	6.58	2.35	2.06	3.79	1.88	2.79	0.86	1.48	4.65	36.60

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Florida.													
Apalachicola	3.68	.....	3.02	2.93	1.97	5.75	5.25	6.28	9.94	4.73	6.83	15.88	.....
Arcadia	4.00	0.05	3.25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Archer	.....	.....	.....	4.88	0.95	10.00	5.39	7.53	7.41	5.64	5.60	.....	.....
Avon Park	4.09	0.23	2.29	2.64	0.61	5.95	5.77	9.50	8.11	3.82	2.01	1.16	46.18
Bartow	3.42	0.74	2.48	3.21	3.56	10.19	5.63	7.11	9.21	2.13	2.52	2.85	53.05
Boca Grande	.....	.....	1.46	0.39	.....	.....	1.32	4.01	6.23	.....	.....	0.70	.....
Bonifay	5.21	3.55	0.99	11.34	1.36	1.75	6.92	10.87	1.85	7.18	7.77	10.79	69.58
Bradentown	3.64	0.20	0.55	2.02	5.18	1.28	5.19	11.61	3.72	7.31	4.94	2.43	48.07
Bristol	4.01	1.77	1.09	10.36	4.20	6.53	6.80	8.76	5.89	4.06	7.54	.....	.....
Brooksville (No. 1)	3.99	2.15	3.79	6.39	2.65	3.63	.....	.....	.....	.....	.....	.....	.....
Brooksville (No. 2)	4.21	1.62	4.86	5.49	3.59	4.69	8.05	8.11	5.69	6.30	3.92	3.36	59.89
Bushnell (near)	.....	.....	.....	2.19	0.21	3.90	4.40	.....	5.20	.....	.....	.....	.....
Camp Johnston	.....	.....	.....	.....	3.19	4.71	6.33	4.28	5.11	8.74	3.99	2.86	.....
Carrsbelle	4.31	0.38	1.23	4.89	4.12	6.13	4.89	3.07	5.54	5.04	4.24	5.50	49.34
Cedar Keys	3.41	0.69	1.74	4.20	2.56	4.40	6.07	3.15	5.20	0.30	2.21	5.19	39.12
Clermont	2.92	0.24	1.58	6.09	2.69	.....	.....	.....	5.70	1.20	4.17	1.78	.....
Crescent City	2.41	0.22	2.54	5.53	2.65	6.64	3.88	8.33	3.55	10.82	2.10	3.05	51.72
Davie	0.81	2.11	5.06	6.90	3.79	7.58	7.56	3.27	9.93	7.88	0.61	3.15	58.65
De Funiak Springs	2.42	1.20	0.41	8.98	2.56	2.38	4.86	8.57	.....	.....	.....	.....	.....
De Land	2.36	0.21	3.04	4.71	1.47	5.92	7.71	4.56	5.83	7.45	3.38	5.02	51.66
Eustis	3.30	0.06	1.48	4.55	1.02	5.55	3.90	6.30	5.04	13.28	4.73	2.85	52.06
Federal Point	3.23	0.03	2.25	7.87	2.12	2.70	3.11	6.11	4.59	8.32	2.96	3.32	46.61
Fellsmere	3.38	1.64	2.04	2.48	2.08	6.35	4.98	3.95	9.56	5.96	1.49	2.07	45.98
Fenholloway	3.10	0.56	1.28	7.07	2.71	3.36	10.20	6.36	5.89	0.91	3.10	4.48	49.02
Fernandina	3.45	0.17	3.65	7.19	0.77	4.84	1.70	3.28	6.18	3.79	3.62	3.05	41.69
Fort Lauderdale	0.48	1.18	3.79	7.51	7.23	6.18	6.00	1.33	9.53	10.49	0.93	3.35	58.00
Fort Meade	2.90	1.68	4.33	3.16	1.43	5.41	6.26	4.70	9.12	3.76	1.98	2.96	47.69
Fort Myers	3.39	1.53	1.06	1.36	2.43	6.68	3.93	8.28	6.99	2.63	0.61	1.17	40.06
Fort Pierce	3.51	0.69	4.38	6.74	1.35	6.30	8.21	2.74	14.22	6.02	0.89	1.31	56.36
Gainesville	2.90	0.25	1.98	5.11	2.72	4.61	4.36	10.21	5.46	3.81	3.39	3.46	48.26
Garniers (near)	4.98	2.47	0.50	9.55	2.14	4.57	8.03	5.84	2.76	7.85	5.23	6.44	60.36
Griffin	0.81	0.92	2.89	3.28	2.48	5.88	.....	.....	8.27	8.74	1.04	2.58	.....
Hilliard	2.83	0.63	2.12	6.04	1.93	4.51	4.44	5.93	6.88	3.98	4.12	4.13	47.54
Homestead	1.60	0.40	2.78	5.61	3.81	9.98	6.43	5.65	8.28	7.77	0.88	1.77	54.96
Hypoluxo	1.01	0.27	6.43	9.30	1.23	4.63	6.04	4.36	8.57	9.41	1.24	1.57	54.06
Inverness	2.95	0.00	3.69	5.70	1.64	9.08	8.01	3.85	6.37	2.74	4.99	3.25	52.27
Isleworth	3.11	0.00	2.34	7.57	2.89	6.00	6.33	2.25	6.73	4.29	3.38	2.59	47.48
Jacksonville	2.78	0.21	2.31	5.96	2.50	3.32	3.35	3.12	6.17	3.97	3.26	2.60	39.55
Jasper	.....	1.80	1.65	4.82	3.47	10.41	6.12	.....	.....	.....	3.85	3.84	.....
Johnstown	3.85	0.25	1.89	8.34	2.69	3.99	1.98	11.72	5.05	5.56	3.27	1.95	50.54
Key West	1.05	0.12	2.65	2.80	5.19	0.43	1.72	1.85	3.53	7.94	0.38	2.11	29.77
Kissimmee	4.29	0.68	4.16	6.99	1.59	.....	9.99	8.05	6.34	5.04	5.35	1.33	.....
Lake City	3.40	0.39	3.18	7.92	1.94	6.85	5.29	6.32	5.77	3.42	3.82	4.92	53.22
Lakeland	2.77	T.	4.88	3.87	4.08	3.47	4.74	5.75	10.40	5.17	3.95	1.32	50.40
Live Oak	4.08	0.30	.....	.....	.....	.....	.....	4.24	4.80	2.29	3.75	4.50	.....
Lock No. 1	0.90	1.67	4.39	3.22	4.61	7.05	6.74	2.55	10.50	7.56	1.05	2.72	52.96
Long Key	1.31	0.26	3.59	2.12	2.87	3.81	5.42	3.50	7.06	10.01	0.31	2.29	42.55
Lucerne Park	2.99	T.	5.27	3.93	3.41	5.71	10.37	7.01	8.30	2.64	4.10	.....	.....
Lynne (near)	3.47	0.06	2.57	7.29	1.57	7.87	4.97	4.78	4.84	5.04	2.45	3.33	48.24
Macclenny	4.89	0.41	2.61	8.43	1.65	.....	6.10	8.55	5.26	4.29	.....	.....	.....
Madison	1.67	2.40	2.41	7.45	3.09	7.06	5.09	5.86	6.91	2.55	5.01	4.85	54.35
Malabar	3.65	0.44	5.19	3.95	0.10	2.49	7.64	1.10	9.57	6.59	1.91	2.10	44.73
Marianna	3.90	1.95	1.16	7.37	2.95	2.40	4.89	7.28	2.53	6.05	11.43	7.78	59.69
McDonald	4.33	0.10	1.49	7.46	3.96	10.32	5.11	3.43	8.04	5.42	3.33	2.60	55.59
Melrose	2.74	0.10	2.60	5.99	0.97	4.68	5.31	5.34	3.66	6.85	3.40	3.37	45.01
Merritts Island	3.64	0.94	3.69	3.43	0.37	4.79	7.65	2.01	9.37	13.78	3.88	1.81	55.36
Miami (No. 1)	0.85	2.51	1.48	4.49	2.80	6.17	4.01	1.43	10.06	4.82	0.60	4.11	43.33
Miami (No. 2)	1.06	2.21	2.13	3.82	2.50	7.65	6.60	2.10	10.00	6.88	0.72	4.72	50.39
Middleburg	3.83	0.20	3.18	10.65	1.66	2.64	4.07	4.42	5.01	6.37	2.63	3.05	47.71
Molino	5.30	2.00	.....	.....	.....	.....	.....	6.59	2.85	8.11	.....	.....	.....
Monticello	1.84	0.80	2.58	5.53	3.64	4.32	.....	.....	.....	.....	.....	.....	.....
Moore Haven	.....	.....	.....	2.05	0.35	2.55	2.87	6.94	10.83	2.72	0.98	0.73	.....
Mortons Farm	2.88	0.45	2.24	7.71	0.83	3.67	.....	.....	.....	.....	.....	.....	.....
Mount Pleasant	3.75	1.09	1.49	8.54	1.81	6.59	3.14	5.52	3.85	.....	6.43	7.99	.....
New Smyrna	2.90	0.49	4.00	4.91	0.40	4.29	5.60	3.27	6.34	7.52	1.98	2.95	44.65
Ocala	4.93	2.26	2.77	6.84	2.81	5.52	7.19	11.76	9.10	4.20	3.18	4.53	65.09
Okeechobee	.....	0.53	2.74	2.25	.....	.....	.....	.....	.....	.....	.....	0.80	.....
Old Town	.....	.....	.....	.....	.....	9.11	6.82	6.11	7.36	6.98	3.22	4.75	.....
Orange City	3.05	0.48	1.74	4.89	0.77	5.02	3.86	3.51	8.81	8.48	3.67	3.22	47.50
Orlando	3.72	0.14	1.72	8.24	2.11	5.37	12.30	3.34	6.60	7.25	2.30	3.23	56.32
Pensacola	5.53	2.02	0.32	13.90	1.15	2.39	6.02	14.79	3.30	8.09	4.58	6.25	68.34
Pinellas Park	2.81	0.10	0.76	1.58	2.15	2.54	3.16	6.81	7.50	5.13	4.51	3.02	40.07
Plant City	2.42	T.	3.33	3.62	3.42	4.73	5.75	10.12	5.55	2.12	5.90	2.14	49.10
Punta Gorda	2.20	0.25	1.02	.....	1.84	.....	.....	.....	8.13	.....	.....	.....	.....
Quincy	5.02	0.99	3.96	8.11	2.51	5.80	4.43	6.97	5.48	2.21	6.73	8.04	60.25
Ritta	1.99	2.28	2.75	2.97	0.95	3.60	3.13	7.06	4.54	5.39	.....	.....	.....
Rockwell	.....	0.51	2.40	5.51	.....	6.60	8.82	5.10	5.05	.....	.....	.....	.....
St. Andrews	4.09	1.05	0.96	11.76	2.88	2.49	5.01	4.86	3.44	9.34	5.50	7.41	59.39
St. Augustine	0.92	0.60	3.41	5.71	1.98	2.99	2.60	3.27	5.24	5.29	3.50	2.95	38.46
St. Cloud	3.03	0.25	3.45	5.90	0.56	8.33	.....	.....	.....	.....	.....	.....	.....
St. Leo	4.09	1.12	3.32	3.80	1.74	6.81	7.18	10.27	5.29	2.75	5.61	2.39	54.37
St. Petersburg	2.61	0.12	0.50	1.69	2.75	4.02	2.44	8.55	6.58	8.14	4.40	3.68	45.48
Sand Key	0.94	0.07	4.03	1.93	2.62	0.74	1.20	2.48	3.57	.....	.....	.....	.....
Sanford	3.68	0.11	1.51	6.95	0.90	2.81	6.02	2.88	7.39	7.48	2.30	3.00	45.03
Satsuma Heights	2.57	0.06	2.84	5.48	1.39	7.09	7.17	5.26	5.26	10.06	2.25	4.52	53.95
Switzerland	3.49	0.60	1.95	5.42	2.76	8.21	5.56	5.55	4.95	6.44	1.63	2.73	49.29
Tallahassee	3.23	1.18	1.51	6.12	5.28	5.68	1.28	3.98	3.85	2.30	4.44	8.16	47.01
Tampa	3.00	0.08	0.91	1.89	2.15	1.26	4.88	8.11	5.39	2.88	3.07	2.19	35.81
Tarpon Springs	4.77	0.26	1.31	2.34	1.65	1.92	6.24	10.35	3.56	4.97	3.22	3.52	44.41
Titusville	2.48	0.25	1.71	4.59	3.41	4.58	5.45	2.80	8.05	7.73	2.37	2.28	45.70
Wausau	4.03	3.03	1.48	8.11	8.32	1.41	8.79	8.39	3.86	5.70	9.13	4.99	65.04
Georgia.													
Abbeville	3.16	2.85	1.55	5.05	1.99	5.55	3.56	3.89	3.93	4.48	6.71	5.04	47.56
Adairsville	9.58	1.95	0.70	6.19	2.00	5.20	4.30	1.97	3.29	5.65	2.40	5.10	48.33
Alapaha	2.37	1.17	2.46	4.55	4.46	4.49	3.44	3.78	3.39	2.53	4.72	5.90	43.26

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Georgia—Continued.													
Albany	4.14	1.79	2.10	5.45	2.71	6.35	6.38	4.38	1.58	1.96	7.12	5.81	49.77
Americus	4.34	2.12	1.96	5.53	2.07	4.07	4.07	5.44	1.45	3.46	7.38	6.97	48.86
Athens	8.07	1.45	2.49	3.93	2.29	3.36	8.56	1.94	3.40	8.21	3.52	7.84	55.06
Atlanta	9.12	1.82	0.89	6.98	1.73	3.31	2.47	4.20	3.57	4.04	3.68	5.46	47.27
Augusta	3.42	1.82	1.70	4.86	2.05	2.30	3.84	4.70	1.38	3.21	3.51	3.07	35.80
Bainbridge	4.11	2.05	0.79	6.60	1.50	3.68	3.53	5.87	5.52	2.27	6.05	5.75	47.72
Blakely	5.92	6.48	0.71	8.93	0.68	3.36	3.85	5.99	2.74	6.45	7.84	9.18	62.13
Brunswick	1.79	2.54	4.47	4.49	2.73	4.26	4.80	4.39	7.30	1.79	3.31	3.29	45.16
Butler	4.68	2.64	0.49	7.14	1.33	2.01	4.63	1.83	2.66	2.28	4.68	6.49	40.86
Canton	8.59	2.43	0.91	8.29	1.94	3.81	5.85	.....	.....	10.16	3.21	6.80	.....
Carlton	7.27	1.34	1.61	3.73	1.80	2.65	3.39	3.69	2.19	5.25	4.48	6.36	43.76
Clayton	[9.50]	[3.75]	[2.50]	5.64	5.62	3.49	4.35	2.52	5.82	15.53	3.92	10.60	73.24
Columbus	6.05	2.55	0.85	5.48	1.47	3.80	3.42	4.24	2.21	5.51	4.55	10.66	50.79
Concord	7.40	2.46	.....	.....	.....	.....	4.13	3.23	3.14	3.20	3.88	7.32	.....
Covington	6.60	2.65	1.30	6.45	1.85	2.80	4.80	2.00	2.65	5.55	3.90	6.25	46.80
Dahlonega	8.14	3.70	1.42	7.76	2.00	6.99	4.80	2.30	5.03	11.29	4.17	8.33	65.93
Dublin	3.72	3.05	1.32	3.28	1.35	3.39	6.54	5.97	2.48	3.11	7.20	4.62	46.03
Eastman	3.64	1.38	0.81	4.42	1.54	6.64	3.12	6.56	3.34	2.76	6.26	5.19	45.66
Eatonton	5.55	1.48	1.40	4.90	0.37	4.54	3.12	4.68	2.43	4.27	3.86	5.01	41.61
Fair View	6.22	2.29	1.19	5.07	0.37	2.74	3.53	4.25	1.66	3.14	4.09	7.35	41.90
Fitzgerald	.....	.....	.....	.....	1.83	5.00	.....	4.50	6.10	.....	5.83	6.56	.....
Fort Gaines	4.52	2.58	0.55	6.20	2.03	4.50	4.40	5.85	1.42	3.48	7.17	9.72	52.42
Gainesville	7.77	2.77	1.08	5.85	3.00	3.92	5.67	5.25	5.54	7.57	3.45	6.30	58.17
Gillsville	9.79	2.29	2.28	4.76	1.17	3.44	4.81	5.03	2.48	8.53	3.65	7.29	55.52
Glennville	1.91	1.17	2.47	3.43	1.12	5.43	3.84	5.23	8.41	2.08	5.33	5.55	45.97
Goat Rock	5.31	2.51	0.84	7.11	1.07	3.50	3.28	3.54	0.99	3.82	4.23	10.91	47.11
Greensboro	6.14	3.03	1.91	4.35	1.66	3.99	4.79	6.29	1.79	3.07	4.27	4.33	45.32
Griffin	7.57	2.03	0.95	6.04	0.90	2.38	4.95	3.64	2.72	3.18	4.44	6.65	45.45
Hartwell	4.54	2.49	2.72	3.40	1.33	2.98	4.22	5.43	2.94	.....	.....	8.47	.....
Hawkinsville	3.39	2.21	1.06	5.34	1.16	3.76	7.24	5.75	2.38	1.95	5.24	4.93	44.41
Hazlehurst	.....	.....	.....	.....	.....	.....	.....	5.61	2.15	1.49	5.46	5.41	.....
Leesburg	.....	.....	.....	.....	.....	.....	.....	7.81	1.68	1.91	6.50	5.30	.....
Lisbon	6.57	1.38	2.48	3.85	1.26	3.51	4.05	3.44	4.95	5.46	3.15	5.08	45.18
Lost Mountain	9.26	1.42	0.70	9.73	1.52	3.34	4.02	5.12	2.80	8.42	4.25	7.26	57.84
Louisville	4.67	2.31	0.83	5.00	1.57	3.92	3.50	4.15	1.94	3.83	4.65	.....	.....
Lumpkin	3.95	2.69	0.47	8.04	1.73	3.59	3.94	5.27	1.03	2.69	.....	.....	.....
Macon	5.40	2.30	0.71	3.53	0.11	4.96	3.57	2.23	2.17	5.14	4.31	4.77	39.20
Marshallville	7.17	3.85	0.84	5.63	1.77	2.49	4.10	4.87	2.79	5.77	7.48	7.27	54.03
Milledgeville	6.34	2.52	1.44	3.38	3.19	3.27	7.64	2.74	3.36	3.06	4.81	4.42	46.17
Millen	3.12	1.80	1.90	4.18	1.75	4.10	8.87	3.73	2.80	1.85	3.75	4.50	42.35
Montezuma	5.91	2.83	0.28	6.77	1.89	3.27	7.05	6.28	2.32	4.22	6.12	6.61	53.55
Monticello	6.29	2.42	1.28	4.00	2.49	2.01	5.26	2.33	1.49	6.92	4.84	5.73	45.06
Newnan	9.63	2.27	0.65	8.02	1.35	4.75	3.74	4.52	3.21	2.83	4.28	8.53	53.78
Norcross	9.53	1.62	0.94	6.62	3.02	3.43	4.56	6.46	2.54	5.38	3.74	5.46	53.29
Point Peter	8.13	1.61	1.68	3.77	1.53	3.82	2.91	4.36	2.25	4.59	4.87	6.16	45.68
Quitman	3.18	0.66	1.63	4.27	1.60	3.97	5.46	5.76	3.45	2.73	6.91	6.52	46.14
Ramhurst	9.01	3.10	1.42	5.50	2.06	5.97	4.35	2.22	3.23	8.01	2.36	5.60	52.83
Resaca	10.38	3.45	0.75	8.22	1.60	3.80	4.30	2.12	3.36	8.44	2.63	6.62	55.67
Rome	10.03	2.51	1.07	8.16	1.96	3.41	3.21	4.18	3.69	9.65	3.17	5.60	56.64
St. George	3.81	0.31	1.80	6.48	1.63	3.82	3.96	13.50	7.56	4.50	3.14	3.98	54.49
Savannah	0.95	0.66	3.49	4.49	1.75	3.66	8.94	4.78	4.24	1.52	4.66	4.00	43.14
Statesboro	1.89	1.40	1.42	4.51	4.37	5.89	3.58	1.56	6.89	1.80	3.48	5.55	42.34
Talbotton	5.85	2.66	0.81	6.45	0.65	2.68	3.00	1.39	2.32	3.02	5.14	7.28	41.25
Tallapoosa	8.31	1.85	0.54	6.53	1.89	3.07	6.81	3.08	6.47	7.68	3.63	5.03	54.89
Tate	8.47	3.33	1.40	10.15	1.35	7.12	7.74	.....	.....	13.05	3.99	9.31	.....
Thomasville	3.73	2.27	1.41	5.02	1.38	6.74	2.46	6.16	3.44	1.65	5.38	8.13	47.77
Toccoa	8.16	2.36	2.12	3.70	1.91	4.36	3.32	4.70	2.60	13.32	3.91	11.62	62.08
Valdosta	2.95	0.95	1.60	8.00	2.60	3.30	5.10	9.05	3.80	1.45	4.25	6.25	49.30
Warrenton	5.59	1.94	1.70	3.97	2.58	2.93	5.98	3.98	3.95	5.35	4.46	4.34	46.77
Washington	5.00	1.75	2.00	4.31	2.80	4.00	5.38	1.31	4.26	2.97	3.57	5.69	43.04
Waycross	2.09	1.50	3.48	5.22	1.49	5.26	8.27	3.75	2.41	2.81	3.18	4.27	43.73
Waynesboro	5.19	1.41	1.13	4.63	2.20	3.03	5.18	3.74	1.92	1.73	5.02	3.95	39.13
West Point	7.85	2.75	0.75	7.55	1.85	5.70	5.94	4.88	2.02	2.20	4.41	9.54	55.44
Woodbury	6.13	2.42	0.84	5.43	0.75	4.66	6.16	4.16	2.25	2.36	3.58	8.80	47.54
Idaho.													
Aberdeen	0.55	0.61	0.91	0.63	0.50	0.89	1.35	0.43	1.00	1.36	0.29	0.23	8.75
American Falls	1.55	0.61	1.39	1.21	1.28	2.05	1.18	0.45	1.08	1.92	1.63	0.18	14.53
Arrowrock	3.40	0.60	2.45	0.35	0.65	0.10	0.00	0.25	2.16	0.85	0.60	0.60	12.01
Ashton	3.30	2.50	1.03	2.10	1.97	3.16	1.27	0.64	1.93	1.97	0.22	0.43	20.52
Atlanta	5.38	4.81	3.08	.....	.....	1.46	2.69	1.85	.....	.....	.....	0.81	.....
Avery	7.15	4.15	2.95	2.35	2.45	0.74	1.58	1.41	1.31	3.11	1.91	4.06	33.17
Bear Valley	.....	.....	.....	.....	.....	1.13	1.27	3.40	.....	.....	.....	.....	.....
Beaver Creek	.....	.....	.....	.....	.....	.....	.....	2.03	.....	.....	.....	.....	.....
Big Smoky	.....	.....	.....	.....	.....	1.12	0.60	1.22	.....	.....	.....	.....	.....
Big Springs	.....	.....	.....	.....	.....	1.89	3.04	1.54	3.16	3.97	.....	.....	.....
Blackfoot	1.07	0.34	0.72	0.62	0.57	0.74	1.33	1.19	1.16	1.62	0.44	0.54	10.34
Blackfoot Dam	2.02	0.47	0.42	0.84	1.07	1.57	1.51	1.01	0.67	3.93	0.76	0.83	15.10
Bliss	0.65	0.40	1.10	0.20	0.57	0.25	0.10	0.32	1.01	1.58	0.59	0.20	6.97
Bogus Creek	4.00	2.13	2.91	1.42	1.04	0.45	0.31	1.40	2.78	2.91	1.02	0.57	20.94
Boise	2.27	0.88	1.78	0.65	1.05	0.58	0.11	0.48	2.32	1.98	0.24	0.39	12.73
Boise King	2.79	1.51	2.08	0.68	1.32	0.63	0.74	1.92	2.97	2.90	.....	0.86	.....
Bonanza	2.00	2.53	2.12	0.27	0.82	1.71	1.44	1.25	4.76	2.10	0.65	0.32	19.97
Bostetter	.....	.....	.....	.....	.....	3.16	1.50	0.79	1.92	.....	.....	.....	.....
Boulder Mine	4.67	3.30	2.99	0.91	0.81	0.37	0.35	0.95	2.74	2.86	1.23	1.07	22.25
Brownlee	2.55	1.55	1.11	1.56	0.17	0.18	0.69	2.24	1.54	3.52	2.25	.....	.....
Buhl	0.96	0.40	0.68	0.53	1.40	0.58	0.10	0.25	0.76	1.01	0.14	0.55	7.36
Burke	8.26	6.74	3.43	0.41	0.88	.....	1.01	3.24	0.93	3.61	3.58	3.89	.....
Burley	0.93	0.59	0.56	0.66	0.66	0.67	0.09	0.12	0.92	1.80	0.50	0.30	7.80
Caldwell	1.54	0.64	1.92	0.34	0.45	0.22	0.30	0.17	1.86	1.30	0.31	0.27	9.32
Cambridge	2.29	2.60	1.19	1.22	0.01	0.16	1.77	1.45	0.51	2.31	0.95	1.21	15.67
Challis	0.43	0.71	0.59	0.13	1.41	0.67	0.70	1.13	2.54	0.39	T.	0.10	8.80
Chattin's Ranch	1.15	0.57	1.07	0.15	1.36	0.93	0.06	1.10	2.57	2.19	0.21	0.17	11.53
Chesterfield	1.28	0.40	.....	.....	.....	1.28	2.15	.....	.....	.....	.....	.....	.....
Coeur d'Alene	2.74	3.05	2.94	0.30	1.46	0.37	0.42	0.88	1.66	2.52	2.29	1.92	19.75

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Idaho—Continued.													
Coolwater Lookout							1.06	2.74					
Cottonwood Creek	3.76	2.92	2.38	0.79	0.65	0.73	0.02	0.96	2.61	2.93	1.00	1.04	19.79
Council	2.82	2.71	1.76	1.37	0.39	0.36	1.05	1.46	0.99	3.28	1.76	1.42	19.37
Cuprum	4.57	1.95	2.86	2.06	0.60	0.69	0.31	0.76	0.93	3.65	2.43	1.42	22.43
Deer Flat	0.09							0.30	1.86	1.50	0.25	0.15	
Driggs	3.03					1.21	1.32	0.77	1.13	0.82	0.70		
Emmett	0.83	0.89	1.71	0.59	0.32	0.10	0.75	0.23	1.42	1.52	0.40	0.23	8.99
Flowers				1.11	0.85	1.60	0.90	0.69	2.15	2.80	0.40	1.10	
Fort Hall	0.81	0.64	1.31	1.04	0.57	0.79	0.69	0.82	0.66	2.26	0.53	0.22	10.34
French Gulch (Elk City)											1.28	1.92	
Garden Valley Ranger Station			3.45	0.98	0.34	1.62	T.	0.98	1.84	2.71	0.83	0.69	
Geneva	1.91	2.16	1.88	0.34	1.90	0.04	2.43	0.10				0.40	
Glenns Ferry	0.79	0.96	0.70	0.12	0.38	0.69	T.	0.05	0.98	1.30	0.73	0.05	6.75
Gooding	0.83	0.43	0.94	0.42	0.57	0.43	0.38	0.29	1.67	1.15	0.64	0.50	8.25
Grace	0.76		0.44	0.32	1.61		1.41	0.49	0.76				
Grandview Ranger Station									1.29	2.84			
Grays Lake	2.65	0.80	0.80		2.67	1.18	2.08			1.13	1.55	0.84	
Grimes Pass	3.97	3.11	4.04	1.07	0.63	0.58	0.16	1.15	2.38	3.12	1.10	0.67	21.98
Guffey	1.24	1.23	1.87	0.43	0.66			0.56	0.17				
Gunnell		0.89											
Hailey	0.54	3.05	0.74	0.47	1.15	0.64	0.81	0.72	1.84	1.67	1.86	0.55	14.04
Hawley Gulch					2.54	2.00	2.24	0.94	1.50	3.92	1.79		
Hazelton	0.92	0.63	0.63	1.01	1.13	1.52	0.68	0.46	0.68	1.79	0.48	0.52	10.45
Hereford						2.21	0.90	0.51	1.99	3.00			
Hollister	1.05	0.12	0.29	0.40	0.85	0.96		0.36	1.30	1.74	0.41	0.56	
Hotspring	0.67	T.	0.14	0.00	0.62								
Idaho City	2.95	2.42	2.98	1.30	0.37	0.15	0.20		2.68	1.97		0.74	
Idaho Falls	1.81	0.79	1.38	0.61	2.06	0.79	0.98	0.88	0.72	1.96	0.32	0.25	12.55
Indian Cove	0.90		0.90	0.16	1.58	0.28	0.19			1.25	0.07		
Irwin	3.30	1.35	1.32	0.75	2.19	1.17	1.64	1.23	0.59	3.39	0.57	0.97	18.47
Jerome	1.05	0.49	0.72	0.82	1.37	1.15	0.42	0.42	0.95	0.96	0.42	0.54	9.31
Kamiah	4.37	0.98	2.14	1.28	1.50	0.15	2.19	1.32	0.20	1.01	1.21	0.99	17.34
Kellogg	5.18	3.75	2.83	0.92	2.66	0.77	0.92	1.19	0.93	4.53	2.45	0.81	26.94
Kirkham	3.06	2.34	2.58	0.71	0.63	1.60	0.41	1.67	3.72	2.52	1.25	0.23	20.72
Kooskia				1.84	1.40	0.12		1.68		1.85	1.18	0.68	
Lapwai	3.36	0.63	1.71	1.24									
Lemhi	1.25	0.62	0.39	0.98	0.60	0.45	0.99	1.64	1.53	1.01	0.50	0.16	10.12
Lewiston	3.12	0.60	1.42	0.57	0.66	0.55	0.73	1.17	0.37	2.27	0.34	0.45	12.25
Little Camas	2.38	2.22	1.10	0.55	0.88	1.11	0.91	0.30	1.24	2.44	0.83	0.35	14.31
Long Gulch	3.25	2.46		0.75	0.63	0.55	0.08						
Loon Creek	0.75	1.74	2.26	0.97	0.27	0.55	0.40	0.83	2.05	1.39		0.11	
McCall	4.34	3.42	2.30	1.54	0.78	0.67		1.28	0.75	3.61	1.08	1.43	
Mackay	0.80	1.17	0.97	0.53	1.22	0.25	1.10	1.56	1.21	0.86	0.22	0.20	10.09
Malad	2.70	1.26	0.85	0.35	1.27	0.86	2.27	0.70	0.64	2.70	0.72	0.33	14.65
Meridian	2.05	1.07	2.06	0.58	0.91	0.54	0.29	0.77	2.45	1.69	0.14	0.30	12.85
Middle Fork	7.74	2.29	2.26	1.79	1.15		2.36	1.93	0.80	3.40	1.10	1.80	
Montpelier	1.69	2.39	1.39	0.74	1.44	1.07	0.67	0.34	0.45	1.84	0.77	0.80	13.59
Moscow	3.21	2.18	2.04	0.46	0.94	0.95	0.93	0.80	0.75	2.15	1.81	1.62	17.84
Mountainhome	2.30	0.98	1.48	0.41	0.93	0.49	0.40	0.21	1.89	1.36	0.61	0.05	11.11
Murtaugh				0.78	0.77	1.53	T.	0.88	1.00	1.89	0.40	0.33	
Musselshell	8.27	2.82	2.70	1.68	2.62	0.27	2.02	2.32	0.19	3.83	2.06	2.98	31.76
New Meadows	3.05	2.74	2.40	1.56	0.43	0.26	0.80	1.37	1.08	3.50	1.57	1.25	20.01
Nezperce	4.15	0.74	1.55	1.26	1.44	0.73	2.18	2.27	0.55	3.12	0.83	0.53	19.35
Oakley	0.91	0.33	0.51	0.55	1.79	2.93	1.01	0.66	1.10	1.69	0.51	0.14	12.13
Orofino	6.69	2.93	2.48	1.50	1.59	0.75	1.30	0.46	0.58	3.58	1.15	1.92	24.93
Oxford Ranger Station	6.84	4.87	4.52	2.52	2.91	0.91	1.06	1.67	1.22	6.19	1.49	3.26	37.46
Payette	0.77	0.43	1.31	0.50	T.	0.32	0.32	0.24	0.74	1.48	0.24	0.30	6.65
Peace Valley							1.32	1.68	2.33				
Pine	2.61	3.29	1.33	1.24	0.68	0.47	0.16	0.33	2.14	2.68	0.68	0.82	16.43
Pleasant Valley	2.25	0.54	1.92	0.39	1.07	0.26	0.17	0.54	2.73	1.31	0.23	0.29	11.70
Pocatello	1.94	0.94	1.39	0.89	0.68	0.86	1.52	0.41	0.33	1.29	0.44	0.22	10.91
Pollock (Riggins)	2.26	2.00			0.86								
Porcupine	4.20	2.77						0.70	3.30	3.18	0.77	1.30	
Porthill	1.37	2.17	2.13	0.31	0.95	0.82	1.63	1.19	1.37	2.81	1.54	1.29	17.58
Potlatch	3.76	1.78	1.60	0.80	1.24	0.59	1.29	1.28	0.64	2.34	1.65	2.06	19.03
Prichard	4.28	4.10	2.89	0.72	2.86	0.86	0.89	0.96	0.83	4.60	1.83	4.41	29.23
Priest River Experiment Station	3.16	4.18	2.89	0.37	1.24	0.84	0.60	4.22	0.61	4.36	3.80	2.86	29.13
Pyle Creek	4.27	2.57	3.36	0.95	0.28	0.00	0.59	1.20	2.13	2.76	0.86	0.88	20.45
Rattlesnake	4.80	2.71	1.71	1.40	0.03	0.46	0.10	0.73	2.00	2.27	1.03	0.87	18.71
Rice	2.44	1.18	0.56	0.86	2.62	1.61	1.90	0.84	2.32	1.76	0.80	1.33	18.22
Richfield	0.55	1.02	1.21	0.97	1.33	1.40	0.27	T.	0.84	1.02	0.67	0.49	9.77
Rupert	0.90	0.55	0.95	0.72	0.90	0.97	0.08	0.25	0.87	1.71	0.33	0.42	8.65
St. Maries	3.22	1.31	1.48	0.98	2.15	0.18	1.12	0.74	0.05	2.57	2.27	2.04	18.11
St. Michael's Priory	4.02	1.51	2.31	1.83	1.87	1.03	1.52	2.39	0.54	2.98	0.64	0.66	21.30
Salmon	1.22	0.54	0.84	0.30	0.43	1.06	0.38	1.35					
Sandpoint	3.26	4.07	2.49	0.62	1.37	0.69	1.35	3.01	0.49	4.44	3.14	2.55	27.48
Sheep Hill	4.57	3.57	3.22	0.74	0.65	0.31	0.02	0.60	2.49	1.94	0.95	0.83	19.89
Shoshone	0.90	0.70	0.94	0.79	0.81	0.65	0.26	0.13	1.10	1.31	0.71	0.06	8.36
Shoshone Ranger Station				0.32	1.43	2.59	0.82	1.37	1.28	3.11			
Silver City											1.08		
Soldier Creek	1.66	4.49	2.51	0.99	0.62	0.88	1.07	0.56	3.00	3.12	1.49	1.18	21.57
Spencer	1.10	1.82	1.58	0.94	3.88	0.51	5.04	1.11	1.88	2.34	0.70	1.10	22.00
Springfield	0.89	0.71	0.85	0.55	0.71	0.04	0.79	0.68	1.24	1.17	0.36	0.41	9.00
Stanley					0.81	1.34	0.78	2.41	2.58	1.77	0.65	0.77	
Sublett					1.41	1.66	0.82	0.27	0.46	2.15			
Sugar	1.50	0.81	1.29	0.67	1.72	0.68	1.31	0.65	0.86		0.22	0.12	
Sunnyside	2.05	0.56	1.95	0.42	0.93	0.62	0.00	1.10	2.32	1.27	0.58	0.45	12.25
Sunset Lookout							1.71	1.45					
Tripod Mountain	2.07	1.69	1.65	0.86	0.10	0.36	0.90	1.41	0.85	2.95	0.28	0.90	14.02
Twin Falls	1.22	0.56	0.58	0.86	0.93	0.58	0.43	0.27	0.81	1.60	0.49	0.48	8.81
Wallace	5.35	4.76	3.68	1.69	2.19	0.53	1.56	1.04	0.92	4.59	4.16	3.96	34.43
Weiser	1.23	0.70	0.63	0.52	T.	0.39	0.21	0.74	0.69	1.26	0.49	0.48	7.36
Wendell	1.25	0.54	1.18	0.56	0.78	1.80	0.27	0.52	0.77	1.06	0.42	0.45	9.60
Whitebird	5.12	1.17	2.73	2.54	1.73								
Wrensted Ranch					1.30	1.13	2.23	0.24	0.90	1.97	1.06	0.58	

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Illinois.													
Aledo	1.10	1.33	0.10	2.87	7.54	4.54	4.86	4.83	2.32	3.11	2.38	1.66	36.64
Alexander	1.06	2.13	0.66	5.68	6.81	3.08	2.21	2.77	5.10	4.18	2.46	2.41	38.55
Anna	4.32	0.44	0.75	6.06	9.42	3.10	0.40	2.05	5.32	3.11	2.88	8.51	46.36
Antioch	3.90	2.24	1.65	2.80	4.28	0.80	3.19	0.95	1.58	4.96	1.61	2.89	30.85
Astoria	1.49	1.27	0.60	4.69	6.23	3.90	1.45	2.07	2.52	3.04	3.20	2.71	33.17
Aurora	2.80	2.25	0.45	3.69	4.27	1.23	3.15	2.94	2.24	3.72	2.63	2.41	31.78
Beardstown	.....	0.74	0.32	5.60	6.80	5.06	2.83	2.29	3.52	3.41	2.99	2.42	.....
Bloomington	2.50	1.85	1.08	4.81	3.14	5.01	2.79	3.77	2.61	3.07	3.25	2.46	36.34
Cairo	3.47	1.03	1.56	6.18	5.15	3.33	0.74	1.62	5.29	3.07	1.34	6.12	38.90
Camp Point	1.20	1.36	0.41	4.34	7.58	2.55	1.49	4.42	3.06	4.45	2.08	1.91	34.81
Carbondale	4.32	0.50	0.84	6.50	7.93	1.46	0.64	4.71	5.04	2.98	2.54	4.63	42.09
Carlinville	1.60	1.74	0.55	6.16	3.21	1.61	0.95	1.30	5.53	2.96	2.38	2.31	30.20
Casey	2.04	2.84	1.09	7.09	2.30	4.57	2.82	5.77	5.95	2.07	2.34	5.21	44.09
Charleston	2.15	2.57	1.03	7.46	3.00	5.49	3.00	4.55	5.60	2.64	2.23	4.95	44.67
Chester	2.86	0.80	1.67	9.70	7.45	2.60	0.25	5.56	3.65	3.51	2.36	4.08	44.49
Chicago	4.12	2.81	2.05	3.41	4.57	1.69	2.66	1.27	1.84	2.94	2.65	3.24	33.25
Clinton	2.34	1.81	1.67	5.18	4.93	7.44	4.62	6.53	3.87	3.08	2.75	3.24	47.46
Danville	2.53	2.00	1.42	6.44	4.72	4.39	2.03	3.47	5.19	4.49	2.06	4.30	43.04
Decatur	2.16	2.04	0.88	5.39	3.21	4.66	3.89	3.97	4.26	2.45	1.74	3.01	37.66
Dixon	2.30	1.84	0.75	2.77	4.57	2.44	4.98	5.06	2.70	2.64	1.53	1.98	33.56
DuQuoin	3.47	0.91	1.67	8.05	6.37	1.82	0.45	6.52	4.05	2.61	2.24	5.62	43.78
Dwight	2.31	1.69	1.36	3.77	4.66	3.90	1.87	3.95	1.95	3.77	2.07	2.96	34.26
Edwardsville	1.87	0.95	0.44	7.43	4.38	1.65	0.46	2.39	5.61	3.36	2.19	2.62	33.35
Effingham	.....	.....	.....	7.25	4.39	3.80	4.38	6.08	6.24	2.43	2.62	4.90	.....
Elgin	3.65	1.61	1.44	3.08	3.67	1.55	3.44	1.69	2.56	3.87	1.95	2.67	31.18
Equality	4.66	0.36	1.14	6.85	7.53	3.86	0.15	3.57	4.96	3.39	2.08	5.79	44.34
Ewing	4.14	0.75	0.79	6.63	5.62	1.30	0.31	4.90	2.28	2.47	3.03	5.21	37.43
Fairfield	3.61	1.16	0.95	6.44	4.22	7.46	1.06	4.70	3.52	2.78	2.35	7.17	45.42
Fairview	0.88	1.95	0.74	3.80	5.00	6.55	3.91	6.46	1.72	3.83	1.99	2.16	38.79
Flora	3.76	1.55	0.85	9.94	5.06	2.73	2.34	3.35	5.28	1.90	1.87	6.07	44.70
Freeport	.....	2.46	1.69	2.35	4.03	1.86	3.06	3.20	1.92	3.17	1.35	1.47	.....
Galva	2.05	1.52	0.22	2.06	7.21	5.74	5.35	5.25	2.43	3.06	1.80	2.16	38.85
Grafton	1.67	0.65	0.57	6.99	4.65	2.56	1.08	2.69	5.41	3.97	2.72	.....	.....
Greenville	2.09	1.33	0.76	7.83	3.37	1.97	0.98	4.82	6.78	3.19	2.93	3.11	39.16
Griggsville	1.03	0.74	0.21	5.58	4.21	2.10	1.24	3.04	4.07	3.69	2.80	1.95	30.66
Havana	1.89	0.96	0.39	4.95	3.46	5.21	1.93	3.45	2.45	3.87	3.37	2.35	34.28
Henry	1.57	1.88	0.88	3.14	4.33	3.20	4.16	6.20	2.21	2.97	2.39	2.09	35.02
Hillsboro	1.55	1.54	0.45	5.24	3.60	1.42	2.08	4.44	6.86	2.92	2.74	2.67	35.51
Hoopeston	2.65	2.10	1.21	5.60	4.02	7.11	2.34	3.87	4.19	4.14	1.91	4.59	43.73
Joliet	1.76	1.92	1.33	2.78	5.26	2.27	3.23	2.74	2.15	3.37	2.27	2.07	31.15
Kankakee	2.14	2.01	1.16	3.52	5.11	3.85	3.91	2.69	2.83	3.27	1.69	3.01	35.19
La Harpe	.....	1.87	0.50	3.54	8.22	4.60	1.49	2.45	2.06	4.23	2.42	2.85	.....
Lincoln	1.39	1.55	1.60	5.21	4.23	5.47	2.99	3.68	4.32	3.39	2.07	2.33	38.23
Macomb	1.65	2.05	0.87	2.24	6.01	5.93	1.26	2.51	2.36	4.78	1.84	2.45	33.95
McLeansboro	5.03	0.80	1.04	7.11	7.33	4.40	0.32	7.89	3.81	2.64	2.36	7.53	50.26
Marengo	.....	.....	.....	.....	.....	.....	1.12	2.91	1.88	4.02	1.56	1.81	.....
Mascoutah	1.52	1.11	1.18	8.32	4.88	1.70	0.42	5.52	4.59	3.25	3.08	3.55	39.12
Minonk	1.97	1.11	0.81	4.22	4.78	3.56	3.87	3.56	2.01	2.68	2.18	2.18	32.93
Monmouth	1.78	1.37	0.38	3.31	6.41	5.80	4.80	3.80	2.13	.....	2.45	2.49	.....
Morris	1.97	2.01	1.67	3.74	4.39	3.24	.....	2.83	1.88	2.98	2.69	2.21	.....
Morrison	2.60	2.08	0.77	2.97	5.25	4.13	2.92	3.32	2.00	2.28	1.59	1.78	31.69
Morrisonville	2.23	1.21	0.86	7.12	5.06	1.58	3.69	4.69	5.37	2.68	1.96	2.39	38.84
Mount Carmel	4.38	0.80	0.77	5.83	6.53	3.34	4.29	3.47	4.21	2.57	2.41	7.93	46.53
Mount Carroll	2.89	2.23	1.23	2.85	5.51	4.32	3.51	4.58	2.11	3.85	2.36	2.30	37.74
Mount Vernon	2.50	1.47	0.51	7.41	5.32	2.12	0.70	4.17	4.41	2.34	2.67	5.47	39.15
Nashville	.....	.....	0.73	9.77	5.92	1.84	0.57	3.03	5.34	2.45	2.27	4.53	.....
New Burnside	5.58	0.63	1.46	7.14	9.20	1.24	0.71	5.38	5.09	2.32	2.96	7.22	48.88
Olney	3.39	0.99	1.95	7.30	6.58	3.84	2.25	3.62	4.97	2.97	2.15	4.83	44.84
Oregon	2.57	2.15	1.12	2.73	3.83	1.95	2.59	3.48	2.50	2.24	1.33	2.48	28.97
Ottawa	.....	.....	.....	2.36	4.58	1.87	1.71	4.27	2.27	3.18	2.33	.....	.....
Palestine	2.74	1.32	1.56	6.77	7.98	5.10	3.53	6.56	5.36	2.92	2.77	9.53	56.14
Pana	2.09	1.99	0.46	6.23	6.86	3.75	2.81	5.80	6.74	3.86	2.03	3.04	45.66
Paris	3.22	0.81	1.34	6.85	3.67	4.99	1.96	3.02	6.52	2.28	2.52	5.32	42.50
Paw Paw	1.81	1.94	0.59	3.10	3.89	3.14	4.14	4.05	2.26	3.53	2.28	2.14	32.87
Pearl	.....	1.65	0.35	6.81	2.57	3.15	0.73	2.59	4.85	2.49	2.46	1.75	.....
Peoria	1.58	1.64	0.91	3.70	3.02	4.69	3.46	5.88	1.67	2.97	3.18	2.80	35.50
Peru	.....	1.98	0.55	2.63	5.74	2.75	2.63	3.12	2.11	3.00	2.28	2.62	.....
Pontiac	2.65	1.66	1.09	5.82	5.22	3.79	3.73	3.85	2.00	3.79	1.96	2.57	38.13
Quincy	1.22	1.14	0.28	4.00	5.39	2.92	1.69	3.03	3.74	2.29	2.32	2.02	30.04
Roberts	2.44	1.75	1.12	5.10	4.18	3.98	3.96	2.51	3.48	3.24	1.66	4.33	37.75
Rockford	3.27	2.40	1.25	3.17	4.44	1.62	1.53	3.19	1.60	2.73	1.61	2.37	29.18
Rushville	1.30	0.60	0.32	5.54	7.55	2.77	1.92	4.01	2.42	2.77	2.84	1.89	33.93
Salem	2.65	1.62	.....	8.74	4.89	3.46	1.11	5.13	7.10	2.29	1.81	4.88	.....
Shawneetown	4.62	0.85	1.60	6.30	5.65	2.39	2.42	3.16	4.27	2.32	1.76	5.96	41.30
Sidell	1.53	1.18	1.68	7.44	3.14	4.32	2.07	1.77	5.76	3.41	1.68	4.35	38.33
Sparta	2.98	1.61	1.31	10.05	8.06	2.36	0.11	7.48	5.08	3.00	2.71	4.70	49.40
Springfield	1.88	1.71	0.63	5.19	5.16	3.81	3.00	3.46	4.71	2.79	2.29	2.45	37.08
Streator	2.25	1.70	0.75	3.33	4.09	4.55	2.98	3.16	1.62	2.93	2.43	2.31	32.08
Sycamore	2.47	1.94	1.48	4.03	4.50	1.37	2.01	2.10	2.20	4.05	1.51	1.92	29.58
Tiskilwa	1.57	2.08	0.63	2.68	4.69	3.85	5.05	3.39	2.27	2.92	2.02	2.26	33.41
Tuscola	1.58	1.74	1.41	6.73	5.33	5.76	2.64	2.62	6.56	3.20	2.16	.....	.....
Urbana	1.74	1.86	1.57	6.78	4.70	5.43	2.51	5.15	4.91	2.82	1.73	3.99	43.19
Walnut	2.13	1.88	0.45	2.50	6.18	4.19	3.12	3.16	2.54	2.66	1.28	2.01	32.10
Warsaw	1.12	1.64	0.15	3.56	5.43	4.56	1.93	3.11	2.01	2.64	2.52	1.57	30.24
Waterloo	1.86	1.52	1.12	8.83	5.94	1.29	2.04	4.33	4.52	4.00	3.06	3.69	42.20
White Hall	0.73	1.66	0.81	6.48	3.63	3.28	1.47	2.29	5.25	3.28	2.79	2.30	33.95
Windsor	2.19	2.59	1.29	7.75	4.81	4.86	4.51	3.55	7.03	2.98	2.48	3.76	47.80
Indiana.													
Albion	2.24	3.11	1.63	2.84	3.65	3.15	1.35	1.60	3.96	2.96	3.35	4.66	34.52
Anderson	2.27	1.36	3.54	4.89	3.62	2.55	2.12	2.46	3.71	1.90	2.11	4.32	35.05
Auburn	2.70	2.51	1.21	1.98	2.49	1.11	2.08	0.93	3.94	.....	.....	.....	.....
Bedford	.....	.....	.....	.....	6.30	2.27	3.94	2.97	4.86	2.76	2.58	6.87	.....
Berne	2.50	1.73	2.41	3.24	3.25	3.93	3.09	1.11	4.90	2.45	2.24	4.64	35.49
Bloomington	4.01	1.85	1.08	6.30	7.87	4.18	6.05	3.16	5.94	2.82	2.96	7.86	53.78
Bluffton	2.82	1.65	2.41	2.26	4.78	3.73	3.52	1.90	6.18	3.00	2.12	6.26	40.63

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Indiana—Continued.													
Butlerville	4.60	1.16	3.07	5.11	6.97	4.04	7.96	4.94	4.60	3.74	2.31	4.72	53.22
Cambridge City	5.35	2.29	2.61	5.10	3.43	4.10	3.60	5.29	3.71	1.97	2.74	4.03	44.22
Collegeville	3.05	2.66	1.78	2.96	6.58	2.44	3.67	2.74	3.29	4.15	1.63	4.91	39.86
Columbus	2.86	1.59	1.15	4.15	5.03	2.86	2.03	5.37	3.56	1.94	2.58	4.78	37.90
Connersville	3.54	1.47	1.25	2.88	1.79	2.67	2.33	2.56	4.35	2.24	1.84	4.17	31.09
Crawfordsville	2.40	2.50	1.35	6.55	1.71	1.10	3.60	3.20	6.55	3.15	1.80	6.33	40.24
Crown Point	3.42	4.91	1.60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dam No. 39	3.51	1.65	1.81	2.69	3.66	4.60	4.44	5.03	3.79	2.90	1.50	3.96	39.54
Decker	4.10	0.83	1.37	7.53	6.92	2.93	4.44	3.56	4.79	2.28	2.04	7.09	47.88
Delphi	2.60	1.27	1.25	3.12	4.46	2.59	2.20	4.68	5.67	3.45	2.85	5.98	40.12
Elliston	2.66	0.48	0.37	5.09	6.15	4.16	4.54	2.04	3.54	2.09	2.57	8.75	42.44
Evansville	5.00	0.38	0.95	5.26	5.75	2.05	1.45	3.03	3.33	2.49	0.98	5.83	36.50
Farmersburg	2.33	2.01	2.10	5.03	6.13	3.56	1.31	4.16	4.51	1.67	1.73	7.00	41.54
Farmland	3.31	1.21	2.83	5.19	4.06	2.40	1.65	1.87	3.62	1.09	1.82	3.91	32.96
Forest Reserve	4.18	1.29	2.24	2.36	4.75	3.30	4.59	5.57	2.28	3.25	1.64	5.10	40.55
Fort Wayne	2.19	2.27	1.62	2.00	2.74	3.06	1.37	1.06	6.19	2.60	2.28	5.30	32.68
Frankfort	2.76	1.41	2.14	3.80	5.80	2.50	3.71	3.19	6.03	2.94	2.53	5.91	42.72
Goshen	1.15	3.08	1.34	2.51	3.96	2.44	1.09	1.71	2.85	2.96	3.01	5.30	31.40
Greencastle	2.52	0.57	4.26	6.04	4.93	3.34	2.75	2.50	4.32	2.72	2.13	7.11	43.19
Greenfield	2.95	1.30	2.58	5.10	5.25	3.51	1.61	3.87	4.25	1.39	3.25	5.28	40.34
Greensburg	2.80	1.91	2.16	4.00	3.98	3.88	1.99	4.01	4.24	1.80	2.08	4.35	37.20
Hammond	3.66	3.00	.....	.....	3.98	2.67	2.15	2.88	2.66	4.10	2.26	2.01	.....
Hickory Hill	2.70	1.49	0.94	4.20	5.60	3.43	2.74	3.27	5.41	2.17	3.14	5.97	41.06
Howe	3.50	3.65	3.70	2.75	4.15	2.40	5.25	1.59	3.34	3.37	3.74	4.80	42.24
Huntingburg	4.58	0.74	1.82	2.99	11.65	4.19	5.54	2.80	2.40	3.41	3.06	5.96	49.14
Huntington	2.11	1.71	1.97	2.25	3.82	2.99	2.36	1.93	5.01	2.88	2.54	6.11	35.68
Indianapolis	2.89	2.49	1.56	5.36	3.85	3.11	2.44	2.24	5.14	2.75	1.73	6.19	39.77
Jeffersonville	3.77	1.96	1.33	2.93	5.34	4.27	5.14	4.19	2.85	2.65	1.37	4.65	40.42
Knox	2.00	1.90	.....	2.50	.....	.....	.....	.....	.....	.....	.....	.....	.....
Kokomo	3.35	2.15	2.00	6.45	4.60	3.75	3.30	5.50	7.10	2.85	5.06	6.07	52.18
Lafayette	2.25	2.36	1.33	3.65	4.95	3.17	2.01	3.08	6.08	3.53	1.97	5.17	39.55
Laporte	2.95	3.58	1.83	3.12	4.96	3.81	0.85	1.83	3.84	3.90	2.06	.....	.....
Logansport	2.51	2.69	1.34	2.21	3.86	3.11	3.31	3.69	5.17	.....	.....	.....	.....
Madison	4.91	1.18	1.53	3.59	5.10	3.18	7.38	3.80	2.58	3.14	1.76	4.18	42.33
Marengo	.....	1.30	2.70	2.85	6.75	3.15	3.50	4.40	3.00	5.35	1.90	5.25	.....
Marion	3.04	1.71	2.59	2.21	3.93	2.21	2.79	1.97	5.74	2.88	2.22	7.05	38.34
Mauzy	2.97	1.78	2.18	5.61	4.07	2.93	2.77	2.79	4.33	1.43	2.18	4.51	37.55
Monticello	2.88	1.51	1.67	3.16	4.36	1.73	3.98	4.56	4.83	3.22	1.70	4.73	38.31
Moores Hill	4.93	1.12	2.13	5.25	5.13	3.66	2.75	4.30	3.45	2.72	1.54	4.82	41.80
Mount Vernon	5.06	0.56	1.10	6.78	4.76	2.28	2.16	4.75	3.92	2.22	1.35	5.61	40.55
Noblesville	.....	0.55	2.18	4.97	1.62	3.94	3.37	3.20	3.91	1.88	2.50	4.96	.....
Notre Dame	2.96	2.47	1.78	2.48	5.15	4.27	0.82	3.13	3.13	2.55	2.28	4.24	35.26
Paoli	4.47	0.69	2.22	3.03	6.95	3.98	6.57	2.43	3.13	4.35	2.01	5.52	45.35
Plymouth	1.90	3.86	1.62	2.54	4.56	2.59	1.32	1.71	3.88	3.53	2.24	4.67	34.42
Princeton	4.15	0.84	.....	8.48	4.95	.....	3.45	1.77	3.70	3.27	2.95	7.91	.....
Richmond	2.51	2.44	2.09	4.27	4.31	4.24	3.29	5.59	4.47	2.44	2.08	3.48	41.21
Rockville	2.88	2.31	1.78	8.35	2.73	3.70	1.61	2.97	6.02	2.56	2.84	6.80	44.55
Rome	4.75	1.66	1.67	4.24	5.32	3.94	3.83	3.54	4.01	3.94	1.62	4.74	43.26
Royal Center	.....	.....	.....	2.67	4.59	4.88	3.07	3.44	4.06	3.87	2.12	5.31	.....
Salamonia	2.33	2.29	2.94	4.57	3.27	4.05	1.87	3.03	.....	2.12	2.84	3.79	.....
Salem	3.55	0.90	2.75	2.91	6.46	2.83	2.88	5.17	2.56	3.95	1.99	5.22	41.17
Scottsburg	3.45	1.41	1.47	3.49	5.58	3.22	2.10	3.08	2.72	2.37	1.31	4.37	34.57
Seymour	4.16	1.83	2.10	4.01	5.52	3.55	2.72	4.63	3.26	2.75	1.69	5.26	41.48
Shelbyville	2.58	3.32	2.56	6.14	4.17	2.87	1.16	5.42	3.09	1.99	3.04	5.35	41.69
Shoals	3.41	1.38	0.68	3.52	6.60	4.39	3.40	4.80	3.87	2.27	1.52	5.97	41.81
South Bend	2.37	2.06	1.23	2.18	5.47	3.91	0.72	2.99	3.37	3.00	2.40	4.37	34.07
Terre Haute	2.63	2.05	1.64	6.24	3.95	3.58	2.84	2.57	5.04	2.56	1.63	7.05	41.78
Valparaiso	3.14	2.14	1.40	3.61	4.86	3.69	2.36	1.58	2.93	3.83	2.43	3.44	35.41
Veedersburg	2.40	2.17	2.18	5.79	3.82	4.61	2.09	5.65	6.67	3.16	1.35	5.74	45.63
Vevay	4.20	0.80	1.25	1.55	2.77	3.75	3.10	3.70	0.98	0.98	1.30	2.70	27.08
Vincennes	4.26	1.11	1.23	8.38	6.36	3.18	5.02	4.93	4.74	3.77	2.26	9.17	54.41
Washington	3.26	1.61	1.50	5.32	7.45	4.33	3.44	2.59	5.98	2.43	2.49	7.19	47.59
Wheatfield	1.69	2.56	1.60	3.25	4.08	4.65	3.71	3.14	2.84	4.28	1.72	5.66	39.40
Whitestown	2.29	1.26	3.73	6.28	3.56	2.73	3.47	2.79	4.88	2.87	2.45	6.03	42.34
Whiting	4.68	2.57	1.54	3.65	5.32	2.89	3.16	1.90	2.35	3.57	2.06	3.68	37.37
Winamac	.....	.....	.....	.....	3.40	3.78	2.97	1.55	3.93	4.45	2.21	4.96	.....
Winona Lake	2.43	2.91	1.69	2.13	3.66	2.90	1.89	2.70	4.79	3.93	3.86	4.28	36.67
Worthington	3.26	1.46	1.29	5.71	6.56	3.23	2.91	2.76	5.81	2.41	2.21	7.72	45.33
Iowa.													
Afton	0.62	0.82	0.02	3.14	5.57	3.61	2.30	3.55	1.92	3.93	1.57	1.30	28.35
Albia	0.56	0.96	T.	3.65	6.06	7.01	0.26	5.09	4.43	2.98	1.83	1.42	34.25
Algona	0.59	0.09	0.54	1.10	6.90	3.88	4.43	4.66	2.09	3.85	1.30	1.18	30.61
Allerton	0.86	0.76	0.14	2.82	9.16	3.55	0.86	4.19	3.69	2.88	1.57	1.32	31.80
Allison	1.41	1.10	0.99	2.49	10.65	5.18	6.41	3.04	2.14	3.12	1.50	1.07	39.10
Alta	1.01	0.65	0.74	1.76	7.68	5.33	3.37	3.42	0.95	4.83	2.29	1.45	33.48
Alta (near)	0.82	0.75	0.50	1.47	7.88	4.38	4.02	4.00	0.89	5.35	2.25	0.96	33.27
Alton	1.10	0.65	0.87	1.20	6.20	4.70	3.28	5.15	1.58	3.48	2.03	1.16	31.40
Ames	0.51	0.88	0.45	2.01	6.45	8.81	1.76	0.93	1.02	4.12	1.74	1.20	29.88
Atlantic	0.74	1.00	0.19	1.58	4.93	2.39	1.80	2.02	1.05	6.08	2.25	1.34	25.07
Audubon	0.90	1.53	0.15	1.64	6.23	1.55	3.46	2.51	0.56	4.15	2.12	.....	.....
Baxter	0.60	1.57	0.28	2.51	8.41	9.65	2.94	2.92	1.52	2.42	1.49	0.59	34.90
Bedford	0.73	1.18	0.16	3.32	6.38	2.75	2.35	1.90	2.03	4.97	2.25	1.04	29.06
Belle Plaine	1.11	2.09	0.21	3.32	9.28	6.80	4.33	3.28	1.57	3.47	1.54	1.17	38.17
Belmond	1.38	0.63	0.93	2.12	10.48	8.37	4.21	3.40	2.56	4.34	2.94	1.22	42.58
Bloomfield	1.66	1.49	0.32	2.87	9.13	5.30	1.89	3.39	4.54	2.94	2.42	2.64	38.59
Bonaparte	0.74	1.02	0.05	3.29	6.90	4.61	2.85	3.09	1.69	1.94	2.49	1.37	30.04
Boone	0.28	0.38	0.33	1.57	5.89	7.44	2.37	1.29	0.92	6.02	1.24	0.74	28.47
Britt	0.65	0.17	0.54	1.58	8.48	4.25	4.37	5.66	2.22	5.19	1.82	0.85	35.78
Burlington	1.63	1.85	0.30	3.41	6.96	3.47	3.33	4.52	2.36	3.21	2.64	1.92	35.60
Carroll	0.42	0.49	0.47	1.42	6.22	7.18	2.95	4.05	0.88	4.62	1.57	1.04	31.31
Cedar Rapids	0.73	1.94	0.41	2.56	6.04	5.53	3.04	4.54	1.65	2.20	0.70	1.34	30.68
Centerville	0.92	1.18	0.54	2.92	7.44	4.27	0.68	8.38	3.92	3.72	2.22	1.47	37.66
Chariton	0.74	0.86	0.16	2.62	4.69	5.26	1.33	5.45	2.68	3.13	1.76	1.24	29.92
Charles City	0.85	0.24	1.26	1.99	8.41	3.92	7.24	5.48	4.07	3.13	1.80	1.19	39.58

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Iowa—Continued.													
Clarinda	0.52	0.95	0.11	2.38	3.46	4.93	2.12	3.09	1.99	7.30	2.20	1.18	30.23
Clinton	2.24	1.64	0.53	2.36	5.10	4.41	2.79	4.31	1.94	2.04	1.61	1.86	30.83
Columbus Junction	1.06	1.53	0.13	3.60	6.89	6.32	3.91	5.51	1.44	2.32	2.24	2.33	37.28
Corning	0.47	1.30	0.05	2.54	5.54	2.31	2.05	2.96	1.73	6.41	2.83	1.47	29.66
Corydon	0.99	1.16	0.22	3.53	8.12	4.57	0.75	4.35	4.17	3.11	1.82	1.57	34.36
Creston	0.45	1.53	0.04	1.99	5.89	4.88	1.74	5.24	1.56	3.94	1.24	0.66	29.16
Cumberland	0.60	2.00	0.10	1.16	5.27	4.10	1.56	2.23	0.48	6.15	1.88	0.57	26.10
Davenport	1.56	1.17	0.66	2.32	7.15	5.03	4.39	3.38	2.19	2.45	1.89	1.89	34.08
Decorah	0.79	0.25	1.85	2.50	6.40	3.81	7.59	4.64	2.62	1.76	1.72	1.13	35.06
Delaware	0.76	0.85	1.38	3.46	8.33	5.95	3.22	3.20	1.67	2.77	1.23	1.32	34.14
Denison		0.30	0.13	1.42	5.23	4.16	1.52	2.33	0.77	4.01	1.75	0.55	
Des Moines	0.78	1.45	0.29	1.81	5.87	5.63	1.18	2.54	0.91	3.81	2.10	1.35	27.72
Dubuque	1.83	1.37	2.12	2.16	8.64	6.15	3.77	6.09	1.63	2.85	1.10	1.90	39.61
Earlham	1.03	1.57	0.12	1.35	6.44	4.66	1.13	4.31	1.30	3.59	1.72	0.93	28.15
Elkader	1.02	0.53	1.60	3.20	6.40	4.25	5.55	5.42	2.32				
Estherville	0.76	0.80	1.75	1.72	6.33	4.49	4.81	5.11	1.32	2.53	1.93	0.94	32.49
Fairfield	2.05	0.73	0.04	3.68	10.00	8.19	4.03	2.85			2.86	2.36	
Fayette	1.32	0.54	1.17	3.33	7.29	5.63	3.29	7.71	2.05	1.37	2.40	0.51	36.61
Forest City	0.95	0.34	1.04	1.56	6.56	3.73	4.25	7.62	1.34	4.31	2.39	1.24	35.33
Fort Dodge	1.17	0.55	1.25	1.83	7.01	8.23	3.61	0.79	1.35	4.89	2.06	1.40	34.14
Fort Madison		1.62	1.14	3.01	9.06	6.72	2.73	2.24	2.19	2.37			
Gilman	1.65	1.69		1.65	11.98		4.16						
Glenwood	0.70	1.45	0.15	2.48	2.72	3.60	3.40	3.63	1.36	6.78	3.05	1.35	30.67
Greenfield	0.92	1.15	0.03	1.23	6.48	4.74	1.05				1.08	1.08	
Grinnell	1.04	1.95	T.	4.06	10.34	8.15	2.98	4.75	1.38	3.44	2.10	1.14	41.33
Grundy Center		0.48	0.65	2.41	8.24	9.94	2.95	2.09	1.82	4.15	2.05	1.30	
Guthrie Center	0.53	1.16	0.21	1.32	6.50	5.46	2.35	1.55	0.92	6.38	1.72	1.32	29.42
Harlan	1.10	1.70	T.	2.09	6.91	4.01	1.72	1.23	0.63	6.86	1.35	0.98	28.58
Humboldt				1.01	5.43	5.83	2.40	1.05	0.87	3.44	2.26	1.73	
Independence	0.53	0.51	1.93	2.72	7.66	7.33	3.52	2.91	1.66	2.50	0.82		
Indianola	0.65	1.19	0.04	1.10	7.04	3.71	1.69	3.99	2.52	4.11	1.52	1.39	28.95
Inwood	1.27	0.33	1.70	1.60	5.98	6.44	3.46	3.02	1.02	1.52	2.61	1.02	29.97
Iowa City	1.10	1.46	0.33	3.43	6.22	8.36	4.87	6.72	2.00	2.05	2.10	1.62	40.26
Iowa Falls	1.17	0.83	1.42	2.25	10.08	10.10	3.54	2.14	2.98	2.66	2.19	0.82	40.18
Jefferson	0.78	0.58	0.58	1.23	4.79	6.26	2.33	2.78	0.60	5.70	1.48	1.37	28.48
Keokuk	0.70	1.15	0.16	2.66	6.72	3.90	1.08	3.24	1.77	2.16	2.91	2.10	28.55
Keosauqua	1.72	0.82	0.64	3.37	7.46	6.25	2.79	3.05	4.52	2.20	2.11	2.60	37.63
Knoxville	0.85	1.80	0.13	2.87	4.10	6.52	1.48	4.24	2.40	2.87	1.90	1.45	30.61
Lacona	1.45	1.67	0.31	2.35	4.50	6.60	1.80	3.93	2.00	3.36	1.83	2.40	32.20
Lake Park	0.60	0.75	1.90	1.55	6.70	3.02	5.44	6.70	1.20	2.80	1.62		
Lamoni	1.15	1.50	0.17	3.90	5.74	4.79	2.11	2.91	1.99	3.59	2.18	1.26	31.29
Lansing	0.93	0.38	1.70	2.78	7.12	4.47	4.14	3.75	2.26	1.94	2.30	0.48	32.23
Le Claire	2.79	2.09	0.49	2.38	7.28	4.85	3.66	3.05	2.90	3.03	2.22	1.99	36.73
Le Mars	0.85	0.84	0.83	1.27	7.77	4.86	1.96	2.41	0.94	2.09	1.66	0.37	25.86
Lenox	0.32	0.62	0.16	5.82	5.03	2.09	1.00	2.62	1.77	5.07	1.93	1.05	27.48
Little Sioux	1.25	1.02	0.26	2.00	7.84	4.56	1.98	3.37	0.83	5.34	3.26	0.89	32.60
Logan	0.56	0.90	0.21	1.87	6.27	2.17	1.72	0.90	0.70	6.35	3.37	0.82	25.84
Maquoketa	1.60		0.77	2.76	6.74	5.03	4.09	5.41	2.61	2.59	1.99	1.75	
Marshalltown	0.80	1.13	0.31	2.91	7.53	8.16	3.56	2.84	1.09	3.29	2.38	0.81	34.81
Mason City	0.92	0.60	1.07	1.77	8.42	3.78	5.06			3.15	2.73	1.33	
Monroe	0.27	1.95	0.07	2.60	8.03	10.19	2.03	5.18	1.46	4.19	1.40	1.74	39.11
Mount Ayr	0.76	0.71	0.19	2.98	6.79	2.38	0.76	3.00	1.77	3.98	1.82	1.37	26.51
Mount Pleasant	1.57	1.00	0.53	2.27	5.97	5.63	2.93	3.67	2.61	1.36	2.41	1.99	31.94
Murray	0.42	0.80	0.08	2.31	6.07	6.54	1.72	4.74	2.55	3.72	2.05	1.16	32.16
Muscatine	1.16	1.57	0.25	3.41	8.10	4.63	4.22	5.91	2.03	2.75	1.88	1.53	37.44
New Hampton	0.68	0.31	0.87	2.47	7.82	5.61	5.71	4.24	3.34	2.51	1.95	0.99	36.50
Nora Springs	1.79	0.42	1.42	2.37	10.02	4.36	7.01	7.42	2.89	4.27	3.87	1.69	47.53
Northboro	0.26	1.44	0.15	2.01	5.49	1.98	2.54	3.58	2.54	6.27	2.30		
Northwood	1.25	0.55	1.85	2.45	10.23				3.25	4.82	5.10	2.05	
Olin		2.10	0.40	4.20	5.10	4.60	3.00	3.40	2.30	2.65	1.35	1.40	
Onawa	1.67	1.02						0.83	0.67	4.69	3.35	0.71	
Oskaloosa		1.06	0.05	2.56	5.47	5.44	2.36	3.63	3.09	2.53	2.40	3.30	
Ottumwa	1.51	0.86	0.21	3.19	5.52	5.97	0.88	5.43	4.04		2.21	2.15	
Pella	1.01	0.92	0.03	3.35	4.24	5.93	1.06	5.18	2.38	3.53	1.90	0.79	30.32
Perry	0.31	0.67	0.29	1.55	5.46	4.56	2.07	2.07	0.74	4.99	1.31	1.01	25.03
Pocahontas	0.99	0.54	0.71	1.27	6.07	5.76	1.99	2.31	1.56	4.96	1.65	0.75	28.56
Postville	1.25	0.60	0.98	3.25	5.58	4.76	8.05	3.58	2.55	1.64	1.49	0.95	34.68
Rock Rapids	1.03	0.40	2.08	1.90	5.89	5.50	6.04	3.51	0.73	1.78	2.71	1.33	32.90
Rockwell City	1.05	0.63	0.60	1.44	7.59	6.40	2.79	2.57	1.35	4.92		0.84	
Sac City	1.80	0.46		1.80	5.23	3.57	2.90	1.83	0.76		1.77	1.17	
St. Charles	0.46	1.20	0.06	1.38	4.68	4.78	1.49	2.98	1.77	3.96	1.84	1.24	25.84
Sanborn	0.82	0.85	1.83	1.31	6.75	4.86	4.87	4.94	2.14	2.66	2.90	1.39	35.32
Shenandoah						2.27	2.41	1.01	2.24	6.13	1.96	1.06	
Sibley	1.40	0.34	1.43	1.50	6.98	4.14	5.53	3.49	0.96	3.09	3.79	1.07	33.72
Sigourney	1.22	0.80	0.22	3.27	6.55	5.35	1.68	3.25	2.45	1.86	2.46	2.22	31.32
Sioux Center	1.15	0.55	0.95	1.84	8.47	5.61	3.18	3.97	1.73	2.76	3.18	1.54	34.93
Sioux City	1.37	0.84	0.55	1.55	5.22	4.27	2.08	2.64	0.52	2.65	2.38	1.34	25.41
Stockport	1.40	1.32	0.33	3.36	5.42	4.06	4.25	2.71	4.41	1.60	1.96	1.92	33.64
Storm Lake	0.59	0.53	0.64	1.62	5.44	4.43	3.60	2.91	1.25	4.09	1.91	0.76	27.77
Thurman	0.45	1.53	0.23	3.63	5.12	1.82	2.43	0.54	1.43	7.56	3.93	1.61	30.28
Tipton	1.50	1.40	0.08	3.21	5.42	5.59	4.44	4.88	1.65	3.07	2.09	1.72	35.05
Toledo	0.98	1.57	0.20	2.86	8.98	10.02	4.67	1.68	1.57	3.12	2.14	1.07	38.86
Washington	0.91	1.35	0.43	3.00	7.67	5.00	3.61	3.70	2.44	2.00	2.21	1.27	33.59
Washta	1.35	0.65	0.48	1.51	5.55	5.56	2.53	2.83	0.66	5.45	2.92	1.35	30.84
Waterloo	0.84	0.39	1.12	2.34	7.17	7.88	4.21	1.40	2.01	2.56	1.70	0.78	32.40
Waukee	0.62	1.27	0.21	1.48	7.54	4.53	1.09	2.00	0.90	3.18	1.80	1.15	25.77
Waverly	1.73	0.47	0.77	2.09	7.37	5.45	3.31	3.69	3.29	2.81	1.65	0.86	33.79
Webster City	0.85	0.40	0.60	2.14	8.10	9.35	2.66	1.68	1.81	4.78	1.16	0.98	34.51
West Bend	1.09	0.31	0.44	1.51	7.24	3.51	3.79	4.40	1.74	4.63	1.85	1.31	31.82
Whitten			0.04	2.22	6.95	8.47	2.42	1.52	1.46	3.81	1.80		
Williamsburg	0.80	1.28	0.08	3.11	8.67	8.31	2.56	5.81	1.67	1.62	1.85	1.33	37.14
Winterset	0.42	1.52	0.30	1.77	6.11	2.60	2.00	2.63	1.54	4.48	1.89	1.36	26.62

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Kansas.													
Abilene	0.60	0.28	1.81	6.30	2.73	1.65	2.18	1.85	1.20	6.52	0.87	1.65	27.64
Agricultural College	0.65	0.52	0.76	4.60	5.17	1.56	1.98	3.43	2.35	4.87	1.55	2.40	29.84
Alden	0.32	0.28	3.20	5.00	3.81	2.43	1.91	2.35	2.66	3.02	1.67	1.69	28.34
Alton	0.70	1.23	2.51	3.04	4.08	0.27	3.69	1.96	3.34	2.29	1.14	2.34	26.59
Anthony	0.76	0.28	4.51	4.66	7.58	3.05	2.51	3.24	1.85	7.20	2.72	2.59	40.95
Arkansas City	1.19	0.65	2.30	2.89	10.77	2.25	4.38	4.15	3.29	5.90	2.88	3.43	44.06
Ashland	0.62	0.11	2.64	1.36	5.81	2.72	3.62	0.85	2.23	1.89	0.32	3.35	25.52
Atchison	0.65	0.65	0.49	2.93	6.80	1.83	3.51	4.78	2.96	3.11	3.20	2.49	33.40
Bazaar	0.90	1.31	2.54	3.58	4.21	0.91	1.31	3.47	2.55	8.05	3.51	2.50	34.84
Beloit	0.61	0.85	1.35	4.92	1.99	0.97	1.87	3.13	4.85	3.57	0.85	1.43	26.39
Bird City	0.19	1.40	0.59	3.32	1.67	0.64	3.06	5.05	3.03	1.68	0.21	1.83	22.67
Blakeman	0.54	0.95	0.58	2.80	1.80	0.20	2.09	1.23	2.11	2.94	0.29	1.75	17.37
Blue Rapids	0.32	1.08	0.48	4.12	2.81	0.94	0.96	4.48	3.25	5.04	1.12	1.47	26.07
Burlington	1.19	0.90	1.74	3.39	3.71	2.71	1.24	1.41	2.48	4.40	2.80	2.69	28.66
Burr Oak	0.92	1.61	1.14	4.09	6.18	2.45	2.35	2.85	1.62	4.86	1.17	2.11	31.35
Cawker City	0.85	1.47	1.73	4.02	2.90	1.31	3.19	1.47	5.66	4.96	0.99	2.24	30.79
Centralia	0.87	0.52	0.56	3.64	2.97	1.09	3.04	3.64	3.71	5.90	3.45	2.88	32.27
Chanute	1.30	0.30	2.45	4.43	5.79	1.15	3.25	2.36	3.56	6.15	2.99	2.92	36.85
Chapman	0.28	0.08	1.99	4.00	3.05	2.29	3.75	4.74	2.61	5.95	0.76	2.17	31.62
Cimarron	0.35	0.43	2.25	1.14	2.66	1.29	2.90	0.47	2.92	2.46	0.31	3.49	20.67
Clay Center	0.70	1.35	1.11	4.02	2.07	1.40	2.20	3.35	1.94	6.60	0.67	1.80	27.21
Clyde						1.34	0.28	1.87	2.52	4.95	1.25	1.66	
Colby	0.77	1.79	1.34	1.40	2.35	0.34	1.74	2.05	2.33	3.15	0.49	2.71	20.37
Coldwater	0.35	0.04	3.13	2.30	3.77	4.08	2.12	0.61	1.91	2.62	0.59	2.50	24.02
Columbus	1.45	0.17	1.78	6.05	3.36	1.00	1.58	2.68	4.26	6.68	5.37	3.54	38.92
Concordia	0.85	0.63	0.77	3.51	2.52	1.85	1.77	3.10	1.72	4.49	1.24	1.87	24.32
Council Grove	0.63	0.73	1.24	4.08	5.58	0.94	2.43	2.36	1.10	6.18	3.43	2.87	31.57
Dalton	1.06	1.66	2.14	3.02	6.40	1.84	1.98	1.76	5.31	5.40	2.08	3.00	35.65
Deerfield	0.30	1.75	2.11	1.39	1.82	0.77	5.55	1.63	2.19	1.72	0.29	4.26	23.78
Densmore	0.80	1.20	1.01	1.77	2.89	0.84	4.30	3.49	1.08	2.09	1.06	3.25	23.78
Dodge City	0.89	0.29	2.59	1.38	2.90	0.26	2.25	0.84	2.20	1.67	0.37	4.03	19.58
Dresden	0.81	0.75	0.50	1.38	3.16	0.11	4.03	2.44	2.03	2.33	0.66	2.33	20.55
El Dorado	1.15	1.10	1.67	3.60	5.99	0.56	1.69	3.81	3.03	1.54	4.07	2.59	33.80
Elkhart						1.92	2.75	1.46	4.46	1.67	0.30	2.20	
Ellinwood	0.74	0.23	3.34	4.36	4.38	0.43	2.08	1.82	2.38	3.18	1.49	2.41	26.84
Ellsworth	0.31	0.24	2.00	5.80	3.71	1.20	3.21	1.66	2.82	2.58	1.50		
Emmett	0.57	0.42	1.45	3.00	3.25	2.16	4.16	2.40	2.86	4.35	1.92	2.56	29.10
Emporia	0.36	1.42	1.29	2.70	5.11	2.02	1.61	2.84	2.52	5.70	4.38	2.68	32.63
Eskridge	0.36	1.32	0.98	5.78	5.79	3.08	2.17	2.40	0.95	5.67	4.15	3.34	35.97
Eureka	1.21	0.81	2.40	3.55	5.48	0.31	2.16	1.61	1.91	6.41	1.70	3.60	31.15
Fort Riley		0.62	1.21	4.31	3.74	2.90	2.60	2.93	1.85	4.88	1.18	2.34	
Fort Scott	0.73	0.30	1.92	4.50	3.26	2.93	1.06	2.59	3.37	4.87	3.84	2.60	31.97
Fredonia	1.24	0.29	2.13	4.34	3.30	1.27	1.76	3.56	3.98	5.14	2.52	3.22	32.75
Garden City	0.70	0.75	2.48	0.92	2.67	1.88	4.01	0.66	2.14	4.44	0.12	4.60	25.37
Garnett	0.89	1.10	0.82	3.56	4.27	1.71	2.51	1.46	1.87	5.16	2.84	2.86	29.05
Goodland	0.57	1.02	1.20	2.36	2.50	1.40	4.47	1.51	2.82	4.58		1.68	
Gove	0.33	1.08	1.07	1.76	4.66	0.24	1.62	3.83	0.58	0.93	0.44	4.36	20.90
Greensburg	0.50	0.15	2.66	2.29	5.45	1.31	1.83	1.60	2.27	2.50	0.75	4.21	25.52
Grenola	1.04	0.34	2.11	3.34	6.92	1.15	1.25	3.90	3.62	5.45	6.35	3.07	38.74
Hanover	0.38	1.18	0.32	3.04	2.89	1.54	4.54	5.37	1.52	4.90	1.33	2.06	29.07
Hays	0.80	1.15	1.71	2.49	4.79	0.53	3.04	1.76	1.42	2.41	1.10	2.38	23.58
Healy	0.27	0.41	1.57	1.21	3.00	0.36	4.59	1.75	1.33	1.37	0.29	4.82	20.97
Herington		0.39	2.02	4.84	3.49	2.11	1.53				0.73	2.29	
Hill City	0.40	1.47	1.32	1.42	5.26	0.74	1.54	2.18	1.28	1.78	0.96	2.93	21.28
Holton						0.99	3.40	2.24	3.81	5.90	2.57	2.35	
Horton	0.67	0.39	0.43	3.26	4.05	1.21	3.01	3.15	4.06	4.14	2.15	1.78	28.30
Howard	0.78	0.78	2.05	4.07	3.53	0.26	1.71	2.05	2.24	5.22	5.80	3.15	31.64
Hoxie	0.12	0.41	1.91	1.86	5.94	0.30	2.12	1.38	1.98	2.33	0.70	3.05	22.10
Hugoton	0.60	0.37	2.38	1.32	5.02	1.01	2.98	1.03	3.35	1.60	1.00		
Hutchinson	0.16	0.15	2.97	5.16	3.38	0.64	2.59	2.14	3.80	3.94	1.06	3.00	28.99
Independence	1.33	0.15	1.69	2.97	6.67	1.07	1.86	2.98	3.15	5.36	3.16	3.34	33.73
Iola	0.90	0.91	1.96	4.60	4.91	2.54	2.48	1.50	3.51	5.08	2.89	3.22	34.50
Irene	0.50	0.48	2.20	1.00	1.61	0.69	4.43	0.33	0.96	1.73	0.26	1.65	15.84
Jetmore	0.49	0.80	2.68	1.49	4.65	0.43	3.55	1.54	2.22	3.85	0.63	3.84	26.17
Johnson	0.17	0.34	1.65	1.29	1.13	1.59	4.93	1.15	2.43	2.17	0.40	1.91	19.16
Kismet	0.12	0.30	1.55	0.92	3.15	1.93	2.62	0.95	3.40	2.47	0.25	0.77	20.43
La Crosse	0.30	0.76	1.60	3.08	2.36	0.38	3.75	0.48	2.33	2.43	1.46	2.79	21.72
Lakin	0.06	0.42	1.83	1.41	2.49	0.77	3.61	1.22	2.53	1.92	0.30	1.89	18.45
Larned	0.60	0.25	3.14	2.67	3.88	1.40	3.67	1.27	2.99	2.89	1.19	3.16	27.11
Lawrence	0.65	1.67	0.78	3.17	7.99	1.88	1.69	2.86	6.01	3.23	3.90	2.98	36.81
Leavenworth	1.04	1.80	0.57	3.20	6.25	1.13	2.21	3.10	5.20	1.74	5.66	2.65	34.55
Lebo	0.43	1.25	1.38	2.99	3.55	2.65	2.60	1.71	2.31	4.55	4.01	2.50	29.93
Leoti	0.45	0.02	1.24	0.83	1.23	1.10	3.00	1.49	1.14	1.53	0.32	2.25	15.50
LeRoy	1.01	0.89	1.81	3.98	4.48	1.62	1.42	2.07	2.43	4.64	2.92	3.15	30.42
Liberal	0.60	0.18	2.39	1.37	3.41	0.98	3.74	1.31	4.59	1.55	0.25	3.93	24.30
Lincoln	0.55	0.77	2.27	5.15	3.41	1.82	4.51	0.92	2.22	3.65	1.23	1.87	28.37
Lindsborg	0.87	0.66	2.41	6.23	5.80	1.94	1.70	1.74	4.34	4.30	0.51	1.99	32.49
McFarland				4.72	4.63	2.51	1.99	2.02	4.31	5.99			
McCracken					2.00	0.32	2.12				1.75	3.80	
McPherson	1.10	0.40	2.69	4.38	3.30	1.23	2.68	2.91	6.30	4.16	1.05	2.70	32.90
Macksville	0.60	0.25	3.02	2.92	3.94	0.76	2.98	1.83	2.09	2.90	0.86	2.40	24.55
Madison	1.05	0.92	2.98	2.99	3.06	1.18	2.10	1.32	3.39	7.03	3.87	3.30	33.19
Manhattan	0.43	0.41	0.70	4.70	5.15	1.59	2.07	2.81	2.42	4.83	1.24	2.78	29.13
Marion	0.98	0.53	3.16	5.35	4.00	0.89	1.25	5.03	2.08	5.79	1.82	3.30	34.18
Medicine Lodge	0.39	0.16	1.84	4.39	6.86	1.30	1.78	1.68	0.90	5.89	1.27	2.30	28.76
Medora	0.56	0.00	2.93	3.89	4.24	1.00	3.13		1.58			2.51	
Minneapolis	0.41	0.46	2.22	5.32	3.78	1.64	1.32	0.97	5.21	3.96	0.88	1.99	28.16
Minneola	0.30	0.10	2.56	1.34	2.39	2.60	1.31	2.04	2.24	1.62	0.24	3.50	20.24
Mount Hope	0.96	0.08	3.50	4.01	3.77	1.33	2.55	3.55	1.49	4.36	1.74	3.59	30.94
Natoma	0.52	3.11	1.45	3.64									
Neosho Rapids	0.49	1.80	1.32	2.28	4.03	1.78	3.02	1.25	2.62	4.64	3.66	1.86	28.45
Newton	0.72	0.34	2.85	4.23	2.81	1.16	1.08	2.40	1.26	3.20	1.36	3.18	24.59
New Ulysses	0.08	0.09	2.01	0.79	1.74	1.23	1.15	0.80	0.99	4.29	0.16	2.80	16.13
Norton	0.95	0.32	0.62	2.14	2.40	0.89	7.67	4.01	1.60	1.97	1.31	2.76	26.64
Norwich	0.47	0.08	5.22	4.93	9.05	0.52	3.37	1.71	1.74	6.54	4.39	2.16	40.18
Oberlin	0.73	1.11	0.52	1.95	2.34	0.14	3.40	4.54	2.71	2.26	0.50	2.38	22.58
Oketo	0.37	0.87	0.67	2.96	4.04	1.80	2.85	5.10	1.17	5.42	1.39	0.94	27.58

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
***Kansas*—Continued.**													
Olathe	0.89	1.75	0.66	2.93	3.95	1.46	2.08	1.14	6.45	3.00	4.14	2.75	31.20
Osage City	0.92	1.50	0.94	3.53	4.35	2.04	0.87	1.39	2.44	4.43	4.63	3.12	30.16
Oswego	.....	0.30	2.31	4.72	4.46	1.14	1.79	1.50	4.36	6.70	5.78	3.25	.....
Ottawa	0.70	0.89	1.20	3.19	4.01	2.05	1.76	0.36	3.81	4.29	3.41	3.00	28.67
Paola	0.77	1.04	0.74	3.35	3.53	0.69	1.39	0.93	3.85	4.43	2.48	2.78	25.98
Phillipsburg	0.63	0.81	0.91	2.69	6.71	0.41	4.11	2.30	1.49	2.03	1.16	2.68	25.93
Pittsburg	1.37	0.11	1.72	5.80	5.86	2.80	1.36	0.78	3.83	4.62	4.57	.....	.....
Plains	0.60	0.12	1.70	1.10	3.15	1.85	1.90	0.90	3.65	2.12	0.50	3.50	21.09
Plainville	1.10	1.67	1.93	2.92	3.92	0.81	3.63	2.13	0.65	1.93	1.41	2.59	24.69
Pleasanton	0.55	0.92	1.49	3.49	2.94	0.70	1.40	1.23	3.81	3.27	2.71	3.16	25.67
Pratt	1.20	0.18	2.95	2.49	4.99	0.59	0.88	1.50	.....	4.70	0.71	2.37	.....
Quenemo	0.70	2.16	0.75	2.89	3.44	1.99	1.31	1.45	3.08	4.31	4.41	2.32	28.81
Randolph	.....	.....	.....	.....	2.61	1.70	1.28	2.12	1.49	5.13	1.41	1.57	.....
Republic	0.48	1.03	0.73	3.41	5.13	1.06	0.92	1.87	1.90	4.81	0.88	1.64	24.46
Richfield	0.15	0.32	1.92	1.38	1.28	1.83	4.27	0.19	2.85	2.58	0.14	6.30	23.21
Russell	0.25	0.66	2.24	3.79	3.46	1.77	1.80	3.38	1.75	.....	.....	.....	.....
Russell Springs	0.30	0.70	1.90	1.51	3.74	2.20	2.98	4.99	1.21	1.41	0.35	3.70	24.99
St. Francis	0.62	0.92	0.56	2.89	2.01	0.71	4.43	1.95	2.71	2.24	0.20	1.76	21.00
Salina	0.70	0.63	2.26	3.34	2.86	1.55	2.85	1.32	2.90	4.81	1.14	2.25	26.61
Scott City	1.43	2.30	1.88	0.96	5.79	0.42	2.34	1.93	1.20	1.95	0.48	6.03	26.71
Sedan	1.88	0.25	2.56	2.88	10.07	1.49	1.90	3.30	3.32	5.18	3.17	3.50	39.50
Sedgwick	0.51	0.22	3.19	3.68	3.37	1.00	2.06	6.10	2.45	4.16	2.57	2.76	31.07
Smith Center	0.71	0.91	0.99	2.91	4.27	1.02	2.13	2.77	2.30	1.86	1.19	1.89	22.95
Sublette	0.54	0.37	3.35	1.01	3.37	1.02	2.90	0.82	4.00	2.29	0.48	4.57	24.72
Syracuse	.....	.....	.....	.....	.....	1.40	1.39	1.86	1.65	2.69	0.17	2.46	.....
Topeka	0.51	1.28	0.86	3.64	7.14	2.18	2.65	3.24	4.05	3.95	3.51	2.37	35.38
Toronto	1.56	0.96	1.33	4.04	4.65	0.63	2.38	0.68	3.06	5.34	2.90	3.67	31.20
Tribune	0.23	0.79	2.90	0.96	3.25	2.62	2.77	1.37	1.24	1.73	0.18	1.72	19.76
Trousdale	0.65	0.15	2.47	2.39	3.57	0.32	1.85	1.21	2.17	2.75	0.40	2.72	20.65
Utica	0.65	2.52	1.99	1.35	3.51	0.08	2.46	1.80	1.24	2.80	0.90	3.06	22.36
Valley Falls	0.54	0.67	0.35	2.81	6.92	1.49	3.05	5.12	2.57	4.24	4.26	2.02	33.84
Vinland	0.84	1.58	0.81	3.31	4.44	2.13	0.88	1.86	5.78	3.12	5.14	2.75	32.64
Wakeeney	0.50	2.90	1.33	1.90	4.43	0.50	3.34	1.67	0.88	2.07	1.26	3.01	23.79
Wallace	.....	0.55	.....	.....	.....	.....	4.49	2.48	1.33	1.88	0.29	1.55	.....
Walnut	0.91	0.06	2.06	4.49	.....	0.72	2.05	1.13	.....	.....	.....	.....	.....
Wamego	0.82	0.33	0.77	4.51	6.43	2.88	2.74	2.93	2.88	7.52	.....	3.56	.....
Wellington	0.53	0.56	1.90	3.54	6.41	.....	.....	.....	.....	.....	.....	.....	.....
Wheaton	.....	0.50	0.16	4.16	3.37	2.11	2.22	3.96	2.26	5.43	1.48	2.39	.....
Wichita	0.89	1.93	2.44	4.14	5.86	1.29	2.11	5.19	1.80	5.98	3.62	3.31	38.56
Winfield	1.17	0.80	2.15	3.63	7.22	2.42	2.49	3.59	1.20	7.25	1.47	4.80	38.19
Yates Center	1.18	1.01	2.00	5.19	3.95	1.11	3.69	1.47	3.24	6.39	2.34	3.27	34.84
Kentucky.													
Alpha	9.91	2.80	1.09	7.75	5.35	1.86	5.33	4.10	3.31	6.48	3.45	5.49	56.92
Anchorage	4.00	2.27	1.43	2.85	4.97	3.61	3.55	5.17	2.55	2.99	1.83	4.69	39.91
Bardstown	5.11	2.04	1.59	2.88	4.57	2.45	4.65	2.44	2.40	3.57	1.65	4.59	37.94
Beattyville	5.20	2.88	2.54	4.24	5.43	5.35	5.99	2.12	2.75	3.23	1.32	3.20	44.25
Beaver Dam	.....	1.57	1.55	3.75	4.17	2.02	3.23	3.16	2.16	3.25	1.45	3.67	.....
Berea	5.94	2.35	3.21	3.59	3.78	2.88	3.79	.....	.....	.....	.....	.....	.....
Blandville	5.46	1.01	1.44	6.99	6.37	2.07	0.81	1.24	6.87	4.14	1.64	5.98	44.02
Bowling Green	7.10	1.58	0.75	3.45	3.41	1.36	3.48	2.95	2.34	4.01	1.75	6.25	38.43
Brownsville	5.27	2.47	2.09	4.66	3.85	1.22	2.00	2.07	2.33	4.61	1.59	4.36	36.52
Burnside	9.18	2.93	3.62	6.27	4.35	3.47	2.05	2.57	3.97	5.68	2.12	2.74	48.95
Calhoun	4.71	1.14	1.80	3.80	4.47	4.93	2.05	7.18	2.81	3.40	1.48	5.48	43.25
Carrollton	4.20	1.40	1.72	3.04	3.54	3.41	5.56	4.41	2.16	2.46	1.80	3.61	37.31
Catlettsburg	3.77	2.65	4.23	3.87	3.47	3.18	1.65	1.63	2.06	3.43	1.34	3.34	34.62
Cloverport	3.23	1.33	1.11	3.25	3.56	3.06	8.25	3.31	2.57	3.38	2.12	4.27	39.44
Cynthiana	4.49	3.32	2.79	3.33	5.70	3.09	3.69	4.90	2.55	3.35	2.15	2.90	42.26
Earlington	3.17	1.10	1.58	4.50	5.70	4.02	0.91	2.27	2.12	2.62	1.55	4.61	34.15
Edmonton	4.82	4.57	2.20	4.72	.....	5.22	6.45	2.55	1.26	.....	2.03	5.11	.....
Eubank	6.25	2.87	2.68	4.48	4.42	2.36	3.37	1.26	4.21	4.94	3.78	4.25	44.87
Falmouth	3.95	3.24	2.25	3.22	3.25	5.45	2.67	3.33	3.00	2.77	1.85	4.00	38.98
Farmers	4.22	2.12	3.18	5.75	2.51	4.45	3.16	2.88	2.45	3.64	2.14	4.66	41.16
Frankfort	4.46	3.13	1.58	2.87	3.03	3.96	4.12	2.48	1.80	3.76	2.05	4.60	37.84
Franklin	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.70	1.53	4.41	.....
Greensburg	5.03	1.77	1.91	3.73	1.78	2.02	4.71	2.28	2.80	5.51	1.62	4.14	37.30
Greenville	4.89	2.05	1.60	4.09	5.11	3.61	3.16	2.60	2.59	4.88	1.03	5.06	40.67
Harlan	.....	.....	.....	.....	.....	.....	.....	.....	3.92	6.91	1.83	4.62	.....
Henderson	3.43	1.32	0.84	4.64	3.66	3.65	0.73	3.35	3.79	1.91	1.63	5.37	34.32
High Bridge	5.37	1.67	2.05	2.24	3.55	4.04	4.32	2.39	2.82	3.83	2.37	4.41	39.06
Hopkinsville	4.75	0.86	0.86	4.78	3.52	3.15	0.94	1.42	5.84	3.36	1.79	5.44	36.71
Irvington	3.92	1.79	1.67	3.50	5.86	4.16	1.72	3.06	1.65	2.91	1.24	3.90	35.38
Jackson	4.90	2.62	1.77	3.55	4.94	4.71	3.49	1.30	3.77	4.20	1.31	2.83	39.39
Junction City	5.60	2.63	2.33	2.99	3.75	3.25	5.47	1.55	2.72	4.09	2.69	5.47	42.63
Leitchfield	4.27	1.32	0.23	4.29	3.07	2.20	3.57	4.02	2.60	4.28	2.10	5.70	37.65
Lexington	4.46	1.92	1.55	2.09	4.13	3.61	2.01	2.68	1.41	4.57	2.24	4.83	35.50
London	8.19	2.52	3.12	5.17	7.49	7.64	3.51	5.12	7.13	4.54	2.15	3.92	60.41
Loretto	.....	2.00	1.90	4.05	6.50	2.57	1.57	1.51	.....	3.44	.....	.....	.....
Louisville (No. 1)	3.49	1.90	1.22	2.52	4.99	4.24	4.02	3.25	2.19	2.62	1.19	4.48	36.11
Louisville (No. 2)	4.09	0.49	1.56	2.92	5.05	4.50	4.72	4.55	2.46	2.66	1.64	4.95	39.59
Louisa	4.00	2.19	3.95	2.90	3.04	4.70	1.50	3.15	2.01	3.97	1.00	2.74	35.15
Manchester	3.84	2.00	1.81	3.48	3.17	4.76	.....	.....	.....	.....	.....	.....	.....
Marion	5.92	1.04	1.19	5.22	4.75	4.24	0.95	4.89	.....	.....	1.69	5.46	.....
Mayfield	.....	1.30	0.80	6.54	5.88	2.10	0.43	3.55	2.60	2.77	2.15	3.36	.....
Maysville	4.67	2.19	2.51	3.67	4.59	4.23	5.02	3.27	2.38	3.01	2.53	3.58	41.65
Middlesboro	10.28	2.43	2.53	4.44	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mount Sterling	4.64	2.39	2.75	4.11	2.92	2.44	4.70	2.62	3.43	3.42	3.37	5.16	41.95
Owensboro	3.40	1.02	2.11	3.91	4.08	3.11	2.67	1.72	3.42	3.02	1.94	4.94	35.34
Paducah (near)	6.74	1.10	2.17	5.74	6.18	3.46	0.63	3.51	5.04	3.37	1.87	7.10	46.91
Pikeville	5.84	2.20	4.05	5.10	5.39	7.16	6.22	2.72	3.74	.....	1.80	3.16	.....
Princeton	.....	.....	.....	6.69	7.00	6.04	2.95	6.08	3.41	3.38	2.07	3.75	.....
Richmond	3.75	1.47	1.38	4.02	2.41	3.08	2.86	3.63	1.93	4.03	3.40	4.96	36.92
Russellville	4.72	2.00	0.57	4.29	3.45	1.82	1.28	1.37	2.54	.....	.....	.....	.....
St. John	4.53	2.66	1.58	3.60	2.25	2.67	6.40	3.58	3.41	3.45	1.50	5.50	41.13
Scott	3.76	1.81	2.52	3.21	4.26	4.48	2.59	3.66	2.35	3.95	1.71	4.48	38.69
Shelbyville	4.42	2.17	1.54	2.75	5.61	3.94	2.66	3.80	1.93	3.25	1.73	4.64	38.44

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Kentucky—Continued.													
Taylorsville	4.64	2.61	1.49	2.53	3.59	3.77	2.98	4.08	1.35	3.90	1.71	5.31	37.96
Weeksbury	6.10	2.18	0.57	.....	2.60	3.20	.....	.....	.....	6.46	1.32	.....	.....
Williamsburg	7.31	1.65	2.88	5.17	5.73	5.65	2.50	5.20	3.25	4.68	1.60	2.24	47.86
Williamstown	4.88	2.10	1.70	2.90	2.90	3.49	2.60	3.15	2.97	2.95	2.24	4.06	35.94
Woodbury	4.08	2.14	1.75	3.63	2.43	2.34	4.39	4.02	2.65	4.17	1.53	3.20	36.33
Louisiana.													
Abbeville	3.80	3.14	2.75	3.93	1.07	2.63	2.42	3.12	3.13	11.50	5.05	4.64	47.18
Alexandria	3.65	3.83	1.52	7.79	0.25	3.53	1.13	6.85	1.70	8.73	5.35	4.50	48.83
Amite	5.35	2.42	2.60	6.90	1.30	6.50	5.95	10.42	3.50	9.65	5.74	5.32	65.65
Angola	4.75	1.90	2.45	10.10	1.60	2.40	3.55	5.35	2.19	13.98	.....	.....	.....
Antioch	.....	0.85	.....	.....	1.05	3.82	1.03	6.28	1.20	7.24	5.14	.....	.....
Avoca Island	3.79	2.90	1.85	5.78	5.07	3.44	4.62	17.03	5.60	11.86	4.86	12.31	79.11
Baton Rouge	4.61	2.65	1.09	8.76	1.29	5.07	3.24	6.01	1.48	5.37	5.67	5.23	50.47
Burrwood	7.50	2.55	5.89	9.02	1.43	1.24	8.56	5.53	4.93	12.93	2.31	9.37	71.26
Cades	3.32	2.70	2.06	4.28	1.94	3.57	1.56	4.76	4.05	8.68	4.77	6.25	47.94
Calhoun	3.18	1.06	0.67	5.06	1.60	9.53	0.42	8.39	0.80	5.27	4.66	2.63	43.27
Camp Beauregard	.....	.....	.....	.....	.....	2.45	0.61	5.22	1.47	7.23	5.36	4.30	.....
Cheneyville	2.54	2.72	2.15	10.95	1.20	1.42	5.02	5.71	1.85	15.42	6.45	2.65	58.08
Cinclare	4.32	3.15	1.44	7.37	2.42	4.80	5.30	5.29	1.37	6.41	4.89	5.64	52.40
Clinton	8.36	1.65	1.10	9.08	2.34	3.87	3.09	6.38	0.84	8.54	6.68	4.06	55.99
Covington	4.90	1.99	1.58	7.24	2.36	3.76	8.27	11.03	1.57	10.93	3.01	7.98	64.62
De Ridder	0.86	2.59	2.83	9.22	0.91	6.67	2.63	9.77	3.74	7.29	4.96	3.14	54.61
Dodson	1.73	2.17	0.47	5.28	1.13	3.53	1.61	3.00	1.31	5.56	4.45	4.05	34.29
Donaldsonville	5.05	2.86	3.48	6.24	0.91	5.52	4.07	7.12	3.70	9.21	4.45	6.77	59.38
Dutchtown	3.95	2.81	2.34	5.94	2.14	3.93	2.74	2.78	.....	11.98	4.18	7.52	.....
Farmerville	.....	.....	.....	.....	.....	2.78	0.14	5.03	0.66	5.57	5.42	3.19	.....
Franklin	4.00	3.89	1.43	6.94	6.40	5.83	4.65	10.88	4.75	11.98	5.84	9.57	76.16
Franklinton	5.60	2.27	0.90	6.90	0.30	3.35	4.05	9.80	.....	5.25	.....	4.85	.....
Grand Cane	1.50	0.91	1.83	4.95	0.77	1.64	0.11	4.66	0.76	4.96	5.36	4.07	31.52
Grand Coteau	6.68	1.71	3.10	5.23	0.68	.....	2.58	6.93	2.90	.....	.....	5.82	.....
Hammond	5.30	2.45	1.85	7.20	1.05	2.65	9.10	8.20	4.70	.....	.....	.....	.....
Houma	8.80	3.56	3.40	.....	2.73	4.49	3.12	9.65	2.88	10.99	3.60	13.62	.....
Jeanerette	3.90	1.38	1.27	3.99	4.22	5.85	4.66	7.90	2.04	10.60	.....	6.92	.....
Jennings	3.04	2.20	3.77	6.04	2.13	4.64	3.44	5.27	5.21	5.54	5.87	4.32	51.47
Kelly (near)	4.33	2.73	0.72	6.95	0.79	0.77	1.60	5.60	2.12	9.18	4.10	3.24	42.13
Lafayette	4.72	2.51	3.97	7.31	1.64	5.30	4.64	4.76	4.46	12.02	5.81	4.58	61.72
Lake Charles	3.53	2.43	3.30	6.36	2.33	2.50	2.31	8.32	4.94	11.69	10.18	4.43	62.32
Lakeside	2.83	2.42	2.72	6.69	5.07	2.96	1.90	3.61	3.50	8.92	8.19	3.15	51.96
La Rose (near)	3.79	3.26	2.62	.....	.....	.....	4.07	8.85	0.42	.....	.....	.....	.....
Lawrence	4.76	3.47	4.01	7.66	3.76	5.49	2.79	5.54	1.92	13.20	6.67	8.69	67.96
Liberty Hill	3.01	1.33	0.55	4.61	1.58	.....	.....	.....	.....	.....	.....	.....	.....
Logansport	2.25	1.07	1.99	7.50	1.83	2.68	.....	6.33	.....	5.92	5.98	.....	.....
Melville	8.53	1.65	1.95	6.30	1.25	3.90	2.56	2.30	1.95	4.50	6.65	5.45	46.99
Merryville	2.00	2.55	3.65	6.91	1.38	2.95	2.66	11.14	3.37	9.60	6.47	.....	.....
Minden	3.24	0.66	0.63	6.91	1.49	7.61	0.61	4.30	0.64	7.45	6.93	3.40	43.87
Monroe	5.65	2.57	0.50	6.59	1.95	6.75	0.30	3.96	0.83	7.65	5.04	2.34	44.13
Morgan City	4.58	2.66	1.70	5.59	5.41	3.33	3.15	13.85	3.27	11.78	4.75	10.88	70.95
Napoleonville	5.89	3.03	2.68	8.68	8.84	1.29	5.67	10.06	.....	.....	5.31	7.71	.....
Newellton	5.31	2.38	0.46	8.22	2.00	2.35	1.56	2.33	1.17	10.41	3.34	4.58	44.11
New Iberia	3.55	2.60	1.89	4.55	2.98	3.52	4.78	4.46	3.79	8.63	5.04	5.73	51.52
New Orleans (No. 1)	4.43	2.21	1.69	10.73	2.79	2.45	2.03	6.19	4.82	11.07	4.46	8.46	61.33
New Orleans (No. 2)	4.91	2.17	2.19	11.24	2.68	3.26	3.86	5.66	4.22	11.48	4.65	7.64	64.32
New Orleans (No. 3)	3.39	1.41	1.92	11.08	0.98	2.16	2.05	4.98	4.10	9.98	3.79	7.01	52.85
New Orleans (No. 5)	4.38	1.78	1.97	10.39	1.84	4.41	3.04	6.52	4.62	10.86	4.19	8.55	62.55
New Orleans (No. 6)	3.98	2.10	1.60	10.51	2.88	2.83	2.01	5.98	4.91	10.52	4.11	7.82	59.25
New Orleans (No. 7)	4.31	1.62	1.71	9.79	1.86	1.13	1.92	4.77	2.97	10.15	3.26	7.13	50.62
New Orleans (No. 8)	3.88	0.95	0.46	8.76	2.34	1.03	1.68	6.23	4.48	11.14	4.04	9.04	54.03
Opelousas	5.75	1.47	2.96	4.17	1.51	.....	4.34	10.02	2.40	8.84	8.98	.....	.....
Paradis	3.98	1.80	2.83	9.83	0.98	0.47	3.50	7.11	3.70	8.95	5.00	10.00	58.15
Pearl River	6.36	2.22	1.30	8.23	1.00	3.78	6.23	5.01	.....	10.09	4.08	10.41	.....
Plain Dealing	2.92	1.34	2.85	6.18	1.43	3.09	0.32	3.84	2.95	3.02	5.15	3.51	36.60
Pontchartrain Grove	5.47	2.19	2.32	10.27	3.05	3.40	2.35	6.28	2.57	.....	.....	.....	.....
Rayne	7.07	2.79	4.11	7.71	2.28	3.32	1.86	8.04	4.05	14.56	8.11	4.65	68.55
Reserve	4.55	2.75	2.80	9.90	3.85	1.70	4.80	5.70	3.25	8.00	4.15	9.35	60.80
Richland Plantation	4.75	3.45	1.41	7.56	2.18	3.07	2.20	4.88	2.79	9.94	5.57	4.45	52.25
Robeline	1.30	2.31	0.25	3.45	0.90	3.19	1.54	.....	.....	.....	.....	.....	.....
Ruston	.....	1.09	0.32	5.15	1.40	6.03	0.48	.....	1.10	5.59	4.96	2.89	.....
St. Francisville	8.21	2.00	1.09	8.67	0.74	2.34	1.47	7.89	1.57	11.59	8.80	4.40	58.77
St. Gabriel	4.00	.....	1.80	6.40	2.90	.....	.....	.....	.....	.....	.....	.....	.....
Schriever	3.60	.....	2.40	7.00	1.30	5.20	9.30	6.00	2.50	9.40	5.10	12.00	.....
Shreveport	2.07	0.16	1.14	5.28	1.49	2.13	T.	2.23	0.36	4.25	4.13	3.09	26.33
Simmesport	5.58	2.66	2.72	9.90	4.10	3.27	2.58	6.15	.....	.....	.....	.....	.....
Stables	.....	.....	.....	.....	.....	.....	.....	6.93	3.56	12.45	7.22	3.20	.....
Sugartown (near)	3.04	2.39	1.94	8.53	1.35	3.79	1.26	9.70	4.92	13.02	8.58	5.44	63.96
Maine.													
Bar Harbor	4.61	4.35	2.20	4.70	1.14	4.10	2.31	3.53	9.77	6.78	5.10	3.31	51.90
Cornish	2.72	2.89	1.32	2.91	2.47	.....	.....	4.86	9.02	2.83	3.25	4.55	.....
Eastport	2.88	3.95	2.17	2.10	1.50	3.26	2.98	1.57	4.65	3.33	2.00	2.31	32.70
Farmington	2.56	2.38	1.91	2.46	3.19	4.98	3.58	2.35	8.98	5.57	4.15	3.56	45.67
Gardiner	2.06	2.45	1.54	2.55	1.16	4.62	7.06	4.42	7.98	3.99	3.46	4.13	45.42
Greenville	2.49	2.47	2.19	1.66	3.37	3.28	8.25	1.42	6.52	5.38	3.77	3.49	44.39
Houlton	2.40	1.75	1.70	1.23	0.39	2.00	2.86	1.51	5.15	4.38	2.05	1.77	27.19
Lewiston	3.18	2.44	1.35	2.56	2.55	3.83	6.86	4.05	7.70	3.29	3.86	4.22	45.89
Madison	2.65	2.42	1.82	2.81	2.32	3.93	6.19	2.36	7.13	5.09	4.35	4.36	45.34
Millinocket	3.10	3.03	1.94	1.85	4.08	3.45	7.73	2.28	6.23	6.03	5.25	3.24	48.21
North Bridgton	3.55	2.50	1.34	2.37	2.42	5.44	4.55	3.74	8.72	4.11	2.70	3.84	45.28
Orono	3.55	2.91	1.65	2.20	1.69	2.41	6.89	2.58	4.29	5.47	2.33	4.23	40.20
Patten	2.10	2.60	0.30	1.00	2.80	2.80	9.60	2.50	6.00	2.85	2.70	3.20	38.45
Portland	3.48	2.62	1.93	2.70	1.76	2.73	2.94	4.64	5.58	2.39	3.38	4.30	38.45
Presque Isle	2.40	3.80	1.80	1.65	4.00	3.74	6.78	1.62	.....	.....	.....	.....	.....
Rumford	2.77	1.99	1.39	2.23	3.30	4.30	3.76	2.62	7.74	5.30	3.09	2.72	41.21
Van Buren	2.75	3.07	2.17	1.69	3.57	5.41	3.73	0.71	4.53	3.40	2.47	3.50	37.00
Winslow	1.78	2.37	0.74	1.74	1.83	2.15	6.06	3.42	6.66	4.84	3.26	2.96	37.80

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Maryland.													
Annapolis	3.72	0.80	2.22	.....	3.14	1.32	3.40	1.48	4.94	1.34	1.06	4.05	.....
Bachmans Valley	4.85	2.81	2.63	5.96	4.02	1.51	3.21	.....	.....	.....	.....	.....	.....
Baltimore (U. S. Weather Bu.)	5.00	1.04	4.17	6.79	3.17	1.75	2.28	3.35	3.01	0.76	1.50	4.72	37.54
Cambridge	4.00	1.20	4.01	8.39	3.71	2.45	4.39	2.97	3.55	0.66	1.00	3.55	39.88
Cheltenham	4.66	0.63	4.72	10.10	2.94	2.29	3.10	5.38	4.11	0.94	1.23	3.54	43.64
Chewsville	3.79	1.62	2.41	6.18	2.93	1.89	3.56	4.45	3.16	2.19	1.43	4.53	38.14
Clear Spring	5.82	2.57	2.05	8.29	.....	.....	.....	.....	.....	.....	.....	.....	.....
Coleman	4.28	1.24	3.91	4.78	5.06	1.76	3.41	4.23	5.31	1.02	1.39	4.35	40.74
College Park	4.18	0.81	6.01	6.27	3.88	2.36	3.44	1.61	3.52	0.93	1.48	4.60	39.09
Cumberland	3.70	2.16	2.62	4.57	4.65	.....	3.20	2.71	.....	2.03	0.80	4.19	.....
Darlington	4.91	1.09	1.69	2.72	3.52	2.45	1.35	2.18	3.72	1.44	1.97	4.14	31.18
Deer Park	3.26	4.15	2.65	4.65	5.64	4.37	3.96	3.02	.....	.....	.....	.....	.....
Denton	4.09	1.21	3.87	6.41	3.31	1.50	3.17	2.89	2.54	0.88	1.02	4.06	34.95
Easton	3.69	0.99	3.54	5.86	3.76	1.89	5.40	1.69	3.74	1.37	1.31	3.26	36.50
Elkton	4.92	1.69	3.16	4.59	5.83	3.00	3.13	1.99	3.70	0.92	1.72	4.89	39.54
Emmitsburg	6.11	1.55	2.07	4.03	3.29	1.28	1.65	4.36	2.25	1.99	3.18	4.96	36.72
Fairview	4.98	1.85	2.19	4.86	3.89	1.80	2.35	5.01	5.51	3.06	1.12	4.48	41.10
Fallston	5.47	1.70	2.50	3.59	4.94	2.42	3.16	3.32	5.63	1.35	1.82	4.23	40.13
Ferry Landing	4.58	0.73	4.80	9.11	4.70	3.56	2.23	5.48	3.53	1.12	2.18	4.41	46.43
Frederick	4.61	0.80	3.72	6.31	4.46	2.32	4.74	5.12	2.94	1.43	2.06	5.33	43.84
Frostburg	4.59	2.34	1.89	5.67	4.39	3.23	4.23	3.53	3.16	2.16	1.76	4.82	41.77
Grantsville	3.55	4.46	3.01	6.00	5.75	2.89	2.27	3.08	1.96	.....	.....	.....	.....
Great Falls	4.24	0.74	5.05	5.66	3.56	2.11	3.08	.....	.....	.....	.....	.....	.....
Keedysville	4.09	2.19	1.91	6.41	2.58	1.99	2.80	5.50	2.53	2.09	1.97	4.27	38.33
Laurel	4.25	0.90	6.65	.....	2.92	2.43	3.27	4.25	3.67	0.95	1.54	4.95	.....
Oakland	2.28	5.14	3.06	6.34	5.22	4.10	2.70	4.42	2.93	3.22	2.59	4.95	46.95
Princess Anne	3.69	0.96	3.72	7.59	2.44	3.13	4.03	3.10	5.66	1.55	0.97	3.73	40.57
Public Landing	3.91	0.73	2.82	4.46	2.22	2.57	0.60	1.99	3.99	1.46	0.60	3.53	28.88
Salisbury	3.52	1.06	4.79	5.74	3.20	2.70	3.05	2.72	5.10	1.76	0.71	3.70	38.05
Sledds Point	.....	.....	4.79	6.38	4.66	1.36	1.84	2.86	2.69	0.76	1.20	4.09	.....
Solomons	3.78	0.58	3.48	6.92	2.61	2.20	3.52	1.78	2.66	0.79	0.68	3.28	32.28
State Sanatorium	3.60	1.10	1.57	4.23	2.80	2.59	2.17	3.30	3.50	2.09	.....	4.91	.....
Sudlersville	4.54	1.04	5.38	5.58	4.14	2.78	5.14	4.24	4.37	1.00	2.19	3.28	43.78
Takoma	4.80	0.96	5.19	6.11	3.73	2.17	2.55	1.82	3.97	0.90	1.26	4.49	37.95
Towson	4.91	1.23	3.92	6.20	4.15	1.64	3.09	2.28	4.60	1.05	1.69	5.23	39.99
Union Bridge	4.02	1.60	3.36	5.42	3.10	1.52	3.55	3.42	2.83	1.25	1.58	5.43	37.08
Western Port	3.10	2.68	2.75	4.46	3.64	1.91	3.55	2.70	2.89	1.70	0.31	2.51	32.20
Woodstock	4.75	1.13	4.36	6.52	5.08	1.37	3.48	2.57	4.12	0.82	1.78	5.00	40.98
Yarrow (Rockville)	4.27	0.70	6.84	5.86	3.33	2.38	3.62	2.08	3.70	0.80	1.62	4.90	40.10
Massachusetts.													
Amherst	4.11	2.99	2.91	2.79	2.47	4.01	1.84	2.22	7.00	1.32	2.87	2.95	37.48
Blue Hill	3.34	3.05	3.68	4.19	3.21	2.54	6.10	1.63	9.36	1.15	2.19	4.42	44.86
Boston	3.11	2.30	3.19	3.08	1.99	1.94	2.64	1.56	9.19	0.99	1.20	3.21	34.40
Chestnut Hill	3.46	4.04	1.98	4.50	1.17	2.40	3.93	1.68	9.34	1.25	1.88	3.78	39.41
Clinton	3.52	3.79	2.63	4.11	1.19	4.00	3.24	2.11	8.35	1.26	2.59	3.21	40.00
Concord	3.15	2.25	2.88	2.92	2.43	3.44	3.73	2.14	8.86	0.96	2.59	3.19	38.54
Fall River	4.01	3.56	2.46	5.51	2.00	3.24	2.51	3.98	4.42	1.08	2.32	4.08	39.17
Fitchburg	2.48	3.11	1.97	2.15	2.92	4.39	3.64	2.14	7.53	1.03	2.60	3.01	36.97
Framingham	3.34	3.72	2.43	4.53	1.03	3.52	4.06	1.44	8.29	1.04	2.59	3.73	40.72
Lawrence	3.01	2.44	2.62	2.79	2.05	3.44	7.63	2.14	7.97	1.27	3.09	3.72	42.17
Lowell	3.37	2.25	2.78	2.99	2.36	2.71	2.88	2.06	7.71	0.89	2.25	3.19	35.44
Nantucket	2.71	2.22	2.42	3.84	1.44	3.19	1.47	1.62	2.06	2.12	1.53	3.65	28.27
New Bedford	3.10	2.33	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Plymouth	4.12	3.18	2.44	4.92	0.58	2.97	3.66	.....	3.44	.....	.....	4.31	.....
Provincetown	3.01	3.22	3.17	3.17	1.44	2.94	1.93	2.28	3.59	0.94	1.65	3.10	30.44
Rockport	2.53	1.38	1.40	3.39	1.72	2.32	1.92	2.35	10.65	1.16	2.48	3.24	34.54
Rutland	3.24	4.66	2.21	3.26	1.08	4.63	2.12	3.85	6.81	1.83	3.40	1.13	38.22
Springfield	3.73	3.13	2.18	2.98	1.47	3.39	1.76	3.14	5.40	0.68	2.10	5.09	35.05
Turners Falls	4.00	2.23	3.46	3.12	3.43	3.84	1.51	1.96	5.01	1.23	2.22	3.31	35.32
Westboro	3.34	2.50	3.69	3.63	2.41	5.07	4.98	2.76	10.31	1.19	3.19	3.21	46.28
Williamstown	1.89	1.86	2.37	2.45	4.04	3.04	1.78	2.31	6.44	2.75	1.83	3.42	34.18
Worcester	2.34	2.39	2.34	1.89	1.62	3.88	3.44	2.31	6.01	2.35	2.79	3.15	34.51
Michigan.													
Adrian	0.93	2.05	3.11	1.85	1.39	1.85	0.24	2.42	2.88	1.82	2.23	5.06	25.83
Albion	1.05	2.75	1.81	2.18	3.04	1.74	1.58	1.13	2.77	2.11	3.08	2.77	26.01
Allegan (No. 1)	2.71	.....	.....	.....	3.25	1.15	0.90	3.70	2.80	.....	.....	5.57	.....
Allegan (No. 2)	2.56	2.87	3.37	1.84	2.12	0.87	1.15	3.14	1.97	3.31	.....	.....	.....
Alma (No. 1)	2.05	3.69	1.92	1.89	4.76	1.97	1.17	1.70	3.55	3.82	2.62	3.20	32.34
Alma (No. 2)	.....	.....	1.78	1.59	4.29	.....	.....	.....	.....	.....	.....	.....	.....
Alpena	1.41	0.92	0.87	2.00	4.49	3.00	0.73	3.17	2.18	3.73	3.20	3.20	28.90
Alpena (near)	1.71	1.43	2.48	2.09	5.31	3.79	0.74	4.15	2.64	3.98	3.82	2.95	35.09
Ann Arbor	0.91	.....	.....	3.21	3.51	.....	1.38	.....	.....	3.36	.....	.....	.....
Ann Arbor (near)	1.11	3.36	3.48	2.20	1.98	1.43	0.79	1.75	3.43	2.05	2.79	4.62	28.99
Arbela	0.70	2.24	1.54	1.72	5.29	.....	1.70	1.54	3.51	1.97	.....	2.81	.....
Armada	1.46	3.20	1.91	2.20	3.23	1.71	1.34	2.91	4.65	1.94	2.35	3.56	30.46
Baraga	0.54	0.57	0.34	0.80	4.19	1.35	0.45	1.36	4.17	2.55	2.68	1.07	20.07
Battle Creek (No. 1)	2.05	3.55	2.03	2.41	4.52	1.79	1.79	1.27	3.76	3.09	3.29	3.63	33.18
Battle Creek (No. 2)	.....	1.39	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bay City	1.19	2.58	1.89	1.77	4.46	1.31	0.32	3.04	1.68	1.45	4.12	2.54	26.35
Benzonia	2.02	2.65	1.92	2.56	7.60	2.32	1.22	3.09	2.27	3.02	4.66	2.99	36.32
Bergland	1.15	1.88	0.48	1.26	4.18	3.17	2.35	3.89	3.57	2.35	.....	1.42	.....
Big Rapids	1.53	1.90	2.09	2.13	3.99	2.05	0.71	2.20	2.78	4.22	2.52	3.04	29.16
Bloomingdale	0.92	2.06	4.24	2.12	2.25	1.14	0.78	2.29	0.63	2.35	4.27	3.29	26.34
Bridgeport	.....	.....	2.99	1.89	4.37	.....	.....	.....	.....	.....	.....	.....	.....
Cadillac	2.10	1.66	1.48	2.28	4.42	2.54	1.05	2.01	2.49	3.60	2.41	1.95	27.99
Calumet	3.20	0.48	0.39	1.26	4.90	2.43	2.43	2.83	5.43	4.39	3.73	3.35	34.32
Cassopolis	1.71	2.32	1.88	2.92	7.49	4.54	1.97	3.41	4.07	4.48	2.88	4.23	42.90
Ceresco	1.28	2.05	2.18	2.48	4.17	2.42	1.08	0.91	3.35	2.82	3.35	1.94	28.03
Charlevoix	.....	.....	0.65	1.98	7.39	1.40	1.48	3.36	1.70	2.47	3.88	1.33	.....
Charlotte	.....	2.39	3.85	1.28	2.18	2.67	1.50	2.09	1.93	3.11	2.30	2.59	.....
Chatham	0.96	0.95	.....	.....	.....	1.54	4.21	5.17	5.75	4.42	.....	.....	.....
Cheboygan	1.61	1.42	0.75	1.64	6.19	.....	.....	.....	.....	.....	.....	.....	.....

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Michigan—Continued.													
Chesaning			2.37	2.38	3.90								
Coldwater	1.10	2.95	2.55	2.15	4.80	2.15	2.51	1.41	2.41	2.69	3.78	4.13	32.63
Cooke Site	0.92	0.70	0.65	2.54	3.84	1.90	1.12	3.23	1.65	3.26	2.96	2.60	25.37
Croton	1.49	2.24	0.82	2.08	3.06	2.32	1.95	1.99	2.73	3.81	2.71	2.70	27.90
Deer Park (near)	2.15		1.12					2.60	4.59	2.10	1.52	2.11	
Detroit	2.53	3.56	3.15	2.30	2.64	3.30	0.74	1.29	4.10	1.87	2.12	3.59	31.19
Durand	1.25			2.20	4.55	0.73							
Eagle Harbor	0.88	0.23	0.13	1.23	3.36	1.08		2.95	3.05	2.55		2.50	
East Tawas	1.52	0.79	1.54	1.97	3.40	2.01	2.42	3.41	2.48	3.62	3.30	3.53	30.09
Eaton Rapids		2.10	3.42	2.86	1.72								
Eloise	0.58	1.87	2.93	1.41	2.74	1.97	0.41	2.90	2.28	2.19	2.13	3.54	24.95
Escanaba	1.12	1.78	0.66	1.61	5.77	1.53	1.68	2.78	2.44	3.20	2.58	2.35	27.50
Ewen	1.14	1.23	1.06	1.41	4.53	2.99	1.73	4.10	3.36	2.66	3.82	2.22	30.25
Five Channels	1.18	0.76	1.25	2.51	4.13	2.16	0.61	3.14	2.00	3.44	2.96	3.41	27.55
Flint (No. 1)	0.49	1.99	1.48	3.05	4.13	0.76	2.54	1.55	3.16	2.37		2.50	
Flint (No. 2)			2.94	2.74	3.21								
Fosters			2.28	2.12									
Frankfort	2.84	1.61	1.26	1.48	5.78	2.74	1.58	2.50	2.38	2.36	2.92	1.79	29.24
Ganges	1.50	2.81	2.71	2.03	2.97	0.68	1.60	0.53	1.75	4.84	4.08	2.99	28.49
Gaylord	1.04		0.24				1.28	3.70	2.20	2.80	2.15	3.13	
Grand Haven	2.99	2.75	1.77	2.54	2.26	1.54	1.72	0.83	2.61	4.42	3.68	3.67	30.78
Grand Ledge (No. 1)			1.60	2.35	3.98	1.32	1.33	2.88	2.89				
Grand Ledge (No. 2)			2.61	2.07	3.79								
Grand Marais	3.05	1.00	0.70	0.81	3.88	2.52	5.24	4.79	4.18	4.37	2.34	2.97	35.85
Grand Rapids (No. 1)	3.24	3.81	2.37	2.22	4.03	1.17	1.17	0.84	2.01	3.59	2.63	4.02	31.10
Grand Rapids (No. 2)		3.21	1.97	1.88	4.12	0.79	1.17	0.83		2.88			
Grayling		1.09	0.70	2.44	5.06	1.06	2.88	2.78	2.00	4.34	3.86	2.44	
Greenville									2.76	3.91	2.50		
Hamburg	0.78	4.07	2.82	1.15	2.86	0.44		2.68	3.48	2.09	2.64	3.66	
Harbor Beach				2.68	3.69	4.31	0.82	2.05	3.40	1.81	2.43	2.46	
Harrison	1.37	0.80					1.18		3.15				
Harrisville	1.37	1.18			2.22	1.55	2.32	2.56	1.06	2.85	3.04	3.73	
Hart	1.38	1.44	0.94	2.57	2.19	1.07	1.63	0.80	2.40	3.52	4.26	2.72	24.92
Hastings	0.67	4.66	3.17	2.14	2.77	1.32	0.50	2.06	1.93		4.38	4.71	
Highland	1.15		1.78	2.89	2.81	1.37	1.99	1.50	4.34		3.28	3.62	
Hillsdale	1.35	2.89	3.36	2.47	3.27	1.55	0.93	1.42	3.13	2.44	3.18	5.39	31.38
Holland	2.84	2.59	1.42	2.02	3.64	0.53	3.62	1.05	1.80	4.86	3.35	3.05	30.77
Houghton	2.65	0.63	0.23	1.67	6.38	1.55	1.34	1.88	3.87	3.95	3.24	2.35	29.74
Houghton Lake (near)	1.06	0.92	0.69	1.98	4.16	2.33	0.28	2.24	2.39	3.68	2.92	2.49	25.14
Howard City	1.49	1.87	2.27	1.99	3.38	3.00	0.57	1.74	2.85	4.70	3.20	2.96	30.02
Howell	0.82	3.30	3.17	2.41	2.53	0.90	1.27	0.60	3.30	3.62	3.70	4.46	30.08
Humboldt	1.00	0.51	0.29	0.77	2.28	1.50		2.88	3.09	3.45	2.86	0.86	
Ionia			2.25	1.91	4.46								
Iron Mountain	0.50	1.03	0.54	1.32	5.34	4.77	2.79	5.64	3.08	3.18	3.25	1.29	32.73
Iron River	0.57	2.60	1.34	1.33	6.05	3.72	1.54	4.63	2.89	3.28	2.86	1.88	32.89
Ironwood	1.17	1.39	0.70	1.54	4.58	2.54	1.78	3.55	1.43	3.12	3.10	1.18	26.08
Ishpeming	1.65	1.61	0.45	1.19	4.76	2.47	2.28	2.84	4.75	3.74	3.80	1.51	31.05
Ivan	1.82	0.56	1.41	2.44	5.39				2.26	3.06	4.18	3.09	
Jackson (No. 1)	1.80	3.21	2.81	1.84	3.46	1.86	1.15	2.39	2.44	2.61	3.28	3.55	30.40
Jackson (No. 2)	1.26	2.30	4.34	1.68	2.55	1.97	1.47		2.78	2.00	4.16	3.80	
Jeddo	1.02	2.84	2.38	2.59	4.65	1.20	0.79	1.83	4.49	1.92	2.10	2.32	28.06
Johannesburg	0.78	0.68	0.65	2.34	4.53	1.80	1.87	3.05	2.03	3.04	2.64	2.09	25.50
Kalamazoo (No. 1)	1.46	3.38	2.26					4.84	4.53	3.79	4.03	4.47	
Kalamazoo (No. 2)	1.82	2.15	2.67	1.60	4.41	1.91	1.12	3.81	3.38	2.55	3.44	2.65	31.51
Lansing	2.08	3.04	3.58	1.97	2.89	2.07	1.96	1.44	2.88	3.21	3.22	3.61	31.95
Lapeer	1.17	2.92		2.81	2.60	1.47		1.46	2.50	1.79	1.75	2.85	
Loud	1.39	0.72	1.64	1.59	4.46	2.06	0.45	3.20	2.03	3.16	2.58	3.34	26.62
Lowell (No. 1)	1.12	3.74	1.38	2.08	5.01	0.97	1.72	1.10	2.05	3.98	2.80	3.65	29.60
Lowell (No. 2)			1.62	1.70	4.94								
Ludington	3.21	1.40	2.17	2.60	2.99	1.64	1.44	1.48	3.09	2.84	2.83	3.25	28.94
Luther	1.72	1.42	1.89	2.70	5.18	2.00	1.36	2.86	2.61	4.58	3.31	2.15	31.78
Mackinac Island	1.27		0.44		4.59	1.86	0.48	2.02	1.98	3.72	3.58	2.60	
Mackinaw						1.56	1.48	3.41	0.99	3.41	2.61		
Mancelona	1.24						2.17	4.90	2.85		4.20		
Manistee				2.52	6.11	2.29	1.00	0.95	1.92	2.86	3.96		
Maple Ridge	0.65	2.40	0.60	1.11	4.35	1.63	2.97	4.13	3.27	4.87	3.48	1.30	30.76
Marquette	4.77	2.12	1.13	1.37	6.58	2.51	2.50	3.20	5.49	3.91	5.29	2.94	41.81
Menominee	0.98	0.52	0.67	2.15	6.98	1.16	1.32	3.34	1.40	1.90	2.80	1.43	24.65
Midland (No. 1)	1.65	0.79	1.59	1.10			0.57	1.12	1.66		2.83		
Midland (No. 2)			1.61	1.55	4.10								
Mio	1.46	0.78	1.18	2.22	5.85	2.29	0.40	1.34	1.77	3.20	2.57	2.09	25.15
Monroe	1.92	2.00	2.96	1.94	1.97	3.02	2.48	2.96	3.86	2.06	1.93	3.85	30.95
Morenci			2.96		2.31	1.94		1.46	3.50	2.57	2.09		
Mount Clemens	0.97	3.80	2.19	2.48	2.48	1.15	1.26	0.91	2.67	1.56	2.35	4.17	25.99
Mount Pleasant (No. 1)	1.60	2.18	2.30	2.27	4.79	3.05	0.66	1.18	2.56		2.09	2.61	
Mount Pleasant (No. 2)			2.49	2.50									
Munising	2.15	2.00	0.54	1.68	3.71	3.10	2.67	5.67	4.92	4.33	4.67	2.81	38.25
Muskegon	3.62	2.31	1.22	2.52	2.68	2.28	1.11	0.68	2.38	3.52	4.46	3.11	29.89
Newberry	1.60	1.67	0.62	1.70	5.87	2.70	2.82	5.11	3.98	3.42	2.73	1.93	34.15
Norways						2.24	3.44	4.64	3.18	4.47	3.24	2.63	
Old Mission	1.03	1.24	0.70	1.96	7.48	2.25	1.88	4.25	2.91	3.29	4.27	1.80	33.06
Olivet	1.13	2.48	2.80	1.33	2.14	0.91	1.69	0.82		1.81	2.95	2.07	
Omer	0.95	0.75	1.07	1.32	2.40	2.10	1.05	2.90	2.50		3.62		
Onaway (near)	1.84	1.94	1.54	2.89	5.09	2.45	1.74	3.16	1.19	6.04	2.91	2.97	33.76
Otsego	2.47	2.53	3.49	2.67	3.65	2.25	1.65	2.13	2.94	4.33	3.39	3.62	35.12
Owosso (No. 1)	0.54		2.06	2.41	3.31	1.65	2.16	1.01	2.46		2.23	2.77	
Owosso (No. 2)			2.31	2.61	4.97								
Paines			2.35	2.01									
Petoskey	2.08	2.02	1.26	1.09	6.03	2.00	2.37	3.20	1.45		3.89	3.04	
Plainwell	1.97	3.14	3.98	2.10	2.63	2.07	1.23	2.34	2.26	3.85	2.91		
Plymouth	0.85	3.48	1.50	1.11		1.61					2.30	4.05	
Pontiac	0.96	2.95	2.45	2.65	2.64	1.48	2.38	0.98	3.66	1.80	2.10	3.10	27.15
Port Austin	1.98	2.05	0.63	1.81	3.45	2.16	4.05	1.57	2.85	2.76	3.81	2.45	29.57
Port Huron	1.74	2.70	1.82	2.31	3.19	0.51	0.50	1.89	4.78	1.45	1.77	2.34	24.91
Portland			2.19	1.78	4.45								
Reed City	0.98	2.23	1.08	2.56	4.76	1.75	0.61	1.83	2.41	3.64	2.88	2.83	27.56

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Michigan—Continued.													
Rogers	1.55	2.33	1.56	2.15	3.82	1.95	1.89	2.19	3.70	4.66	2.82	3.57	32.19
Roscommon	1.69	1.80	0.93	2.00	4.47	2.24	1.44	1.38	2.07	3.80	2.65	2.65	27.12
Saginaw (No. 1)	2.18	2.98	3.07	1.69	3.28	1.38	1.22	1.85	2.06	2.75	3.05	2.59	28.10
Saginaw (No. 2)	1.90	2.75	1.18	1.01	4.51	1.36	0.85	1.54	1.86	2.22	3.36	2.83	25.37
St. Clair	0.59	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
St. Ignace	1.49	0.44	.....	.....	.....	2.01	.....	.....	.....	.....	.....	.....	.....
St. James	0.67	0.64	0.50	1.59	5.25	1.63	2.09	2.71	2.06	2.76	.....	2.01	.....
St. Joseph	3.00	2.08	2.21	1.90	2.88	2.44	1.34	0.70	2.69	3.72	1.39	.....	.....
Sandusky	0.52	2.54	1.16	0.96	5.26	1.44	.....	.....	.....	.....	.....	.....	.....
Saranac	.....	.....	0.46	2.30	5.02	1.07	0.70	1.33	2.09	4.22	.....	2.84	.....
Sault Ste. Marie	0.99	1.47	0.48	2.51	5.74	2.56	2.03	3.19	2.68	4.38	2.53	2.45	31.01
Seney	0.56	0.55	0.35	1.58	4.04	1.92	4.42	2.83	2.21	2.16	2.08	.....	.....
Sidnaw	.....	0.65	0.63	1.28	2.58	2.36	2.34	2.76	5.39	3.56	3.18	1.67	.....
South Haven	1.67	3.50	2.85	3.05	4.05	1.38	2.49	1.00	2.93	4.98	3.82	.....	.....
Stronach	1.29	0.71	1.10	2.86	5.55	2.33	0.91	2.13	2.52	3.55	3.49	2.66	29.10
Traverse City	1.95	0.48	0.77	1.15	4.15	0.75	1.00	.....	.....	.....	3.29	2.12	.....
Trowbridge	2.15	3.19	5.07	2.09	2.18	.....	0.77	2.01	2.17	3.05	2.95	3.27	.....
Vassar	.....	.....	2.01	2.80	5.25	.....	.....	.....	.....	.....	.....	.....	.....
Victoria	1.02	0.54	0.26	1.48	3.90	3.01	2.76	2.87	4.04	2.86	4.13	1.56	28.43
Wasepi	1.86	4.23	2.49	2.18	5.93	2.42	4.63	1.39	3.69	4.20	3.98	4.20	42.20
Webber Dam	1.31	2.75	1.63	2.31	3.60	1.32	2.83	0.89	2.01	3.49	2.36	2.80	27.30
Wellston	.....	0.81	1.19	2.53	5.42	.....	2.37	1.66	.....	.....	3.46	2.22	.....
West Branch (near)	1.03	1.22	1.43	2.65	3.02	3.27	0.74	2.04	2.78	4.43	3.17	2.93	28.71
Whitefish Point	3.93	2.53	0.51	1.61	5.58	3.35	3.76	4.47	5.05	5.23	3.30	.....	.....
Ypsilanti	1.91	2.98	3.06	1.83	2.86	1.12	1.03	1.76	2.90	2.04	2.51	4.25	28.25
Minnesota.													
Ada	.78	.06	.00	2.87	3.37	1.71	1.47	3.34	.99	1.43	.86	.49	17.37
Albert Lea	.81	.29	1.87	1.30	9.30	2.80	5.12	4.55	1.75	3.92	3.30	1.10	36.11
Alexandria	.68	.03	.62	1.93	3.60	1.20	2.80	1.20	.30	1.63	1.74	1.38	17.11
Angus	.42	.21	.15	2.18	2.25	1.35	3.66	3.43	1.00	1.74	.88	.74	18.01
Argyle	.43	.46	.15	1.93	2.10	1.15	2.89	2.77	1.27	2.38	.68	1.25	17.46
Artichoke Lake	.34	.13	.51	2.58	4.20	.68	1.47	2.28	.17	2.07	2.04	1.26	17.73
Baudette	.63	.62	.17	1.26	2.35	2.54	.....	6.69	.53	3.42	1.19	1.00	.....
Beardsley	.30	.40	1.28	1.63	4.96	3.59	3.17	5.77	T.	1.35	2.24	1.40	26.09
Bemidji	.25	.30	T.	2.55	3.08	.72	2.93	5.40	.62	1.35	1.48	.90	19.58
Bird Island	.30	.44	1.27	2.23	5.80	1.66	2.02	4.06	1.35	2.22	3.39	1.70	26.44
Brainerd	.22	.07	.47	1.39	2.41	1.75	2.88	1.23	1.09	2.62	3.03	1.54	18.20
Caledonia	1.26	2.35	2.12	2.02	5.31	2.21	4.74	2.78	2.28	1.43	1.72	.63	28.85
Campbell	1.04	.19	.54	2.74	3.50	2.45	2.67	2.13	.12	1.86	1.22	1.11	19.57
Canby	.60	.45	1.90	1.58	5.41	.....	.....	.....	.....	1.65	3.04	1.99	.....
Cass Lake	.22	.07	.04	2.53	2.16	1.10	2.16	3.51	1.20	1.46	2.15	1.49	18.09
Chatfield	.63	.41	1.19	1.70	7.51	2.75	4.83	3.85	2.55	1.18	2.38	1.22	30.20
Cloquet	1.30	.31	.52	1.49	4.65	1.40	1.83	2.27	1.73	2.42	.57	1.11	19.60
Collegeville	.26	.12	.42	1.73	4.20	1.58	2.93	2.63	.62	2.22	3.83	1.13	21.68
Crookston (No. 1)	1.13	.18	.05	2.64	2.59	2.37	3.49	4.39	.48	1.76	.98	.....	.....
Crookston (No. 2)	.12	.25	T.	2.14	2.96	1.60	3.37	3.81	.55	1.78	.87	.62	18.07
Crystal Bay	.....	.....	.....	.....	4.27	2.85	2.55	3.62	2.26	.....	.....	.....	.....
Detroit	.46	.20	.50	3.14	4.69	1.96	2.25	2.89	.45	1.54	.....	.93	.....
Duluth	.94	.28	.50	2.02	4.07	.84	1.23	2.32	1.41	2.18	1.94	2.03	19.76
Duluth (near)	1.40	.47	.44	2.10	2.99	.80	1.47	2.58	1.68	.....	.....	.....	.....
Fairmont	1.09	.69	1.76	1.56	9.66	2.53	5.51	7.69	1.14	2.78	3.01	1.62	39.04
Faribault	.75	.60	1.82	1.17	6.95	1.59	3.44	4.69	1.17	3.64	1.39	1.33	28.74
Farmington	.58	1.66	.60	.75	5.38	1.30	5.37	6.69	2.12	2.38	3.66	1.24	31.73
Fergus Falls	.96	.39	.90	3.11	4.79	1.58	3.52	2.72	.16	2.48	.98	1.08	22.67
Fort Ripley	.52	.04	.20	1.39	2.73	1.05	3.31	1.33	.80	2.52	2.53	.94	17.36
Fosston	.38	.09	.01	2.30	2.97	1.66	4.38	4.41	.25	1.41	.76	.71	19.33
Glencoe	.48	T.	1.40	1.58	4.04	.73	.....	.....	1.25	4.87	4.18	1.59	.....
Grand Marais	.....	.50	.00	.52	3.41	1.25	1.97	2.09	.72	2.18	1.17	2.30	.....
Grand Meadow	.85	.49	2.39	1.55	6.77	3.18	3.05	5.35	1.86	2.89	1.53	1.14	31.05
Grand Rapids	.23	.18	.12	2.10	2.75	.78	2.24	4.29	.82	2.92	2.18	2.17	20.78
Grandy	.42	.24	.63	1.52	4.80	.87	2.58	1.55	.69	3.26	2.42	2.09	21.07
Gull Lake Dam	.25	.11	.24	2.03	3.37	.83	2.11	1.58	1.31	2.44	2.86	.84	17.97
Hallock	.37	.30	.20	1.60	1.05	2.00	3.88	2.01	.87	.75	1.10	.80	14.93
Hinckley	.27	.02	.32	1.00	5.42	.51	5.78	4.12	.90	2.74	1.68	1.02	23.78
Hutchinson	1.01	.40	1.42	2.17	5.49	1.12	3.02	5.72	1.61	2.88	4.19	2.99	32.02
International Falls	.62	.76	T.	1.82	1.49	.....	2.30	2.57	.74	3.09	1.39	1.18	.....
Itasca State Park	.15	.20	.15	2.37	3.07	1.01	1.83	4.71	.68	1.58	1.36	1.80	18.91
Lake Crystal	.77	.80	1.00	1.27	6.87	2.98	5.97	9.06	3.25	4.00	3.00	1.62	40.59
Leech Lake Dam	.57	.28	.16	2.13	3.06	1.76	3.70	3.41	1.27	2.12	1.94	1.81	22.21
Little Falls	.72	.....	2.05	2.04	7.86	2.84	3.20	4.26	.61	2.18	.....	1.41	.....
Long Prairie	.47	.....	.65	1.81	3.71	.77	2.05	2.29	.31	.....	.....	.....	.....
Luverne	.86	.04	1.74	1.96	6.25	4.67	2.64	5.72	1.12	1.38	2.32	.93	29.63
Lynd	.62	.21	1.25	2.13	3.74	2.60	2.89	5.24	1.61	1.30	3.45	1.71	26.75
Mankato	.68	1.07	1.32	1.62	7.44	3.66	4.80	9.83	2.62	3.11	2.96	1.89	41.00
Mapleplain	.79	.56	1.18	1.54	5.37	2.68	2.74	4.00	1.29	2.94	4.22	2.24	29.55
Meadowlands	1.18	.....	.67	.....	3.80	.85	3.50	4.25	2.20	.55	.31	.....	.....
Milaca	.12	.14	.44	1.35	5.28	.70	5.93	2.35	.63	3.85	2.62	1.73	25.14
Milan	.94	.42	1.35	2.42	2.86	.78	1.24	3.67	.56	2.01	1.88	1.57	19.70
Minneapolis (Weather Bureau)	.38	.55	.93	.91	4.32	2.83	5.07	3.73	1.25	2.31	4.06	1.71	28.05
Minneapolis (No. 2)	.64	.76	1.02	1.07	4.74	3.02	5.05	4.48	1.37	2.47	4.60	1.93	31.15
Montevideo	.87	.42	.96	2.85	3.46	2.57	1.38	7.05	.36	1.40	3.29	1.52	26.13
Moorhead	.61	.35	.37	2.63	2.72	1.79	2.68	4.90	.29	1.61	1.27	1.80	20.42
Moose Lake	.66	.10	.05	1.47	4.10	.30	2.25	3.30	1.05	.....	.....	.....	.....
Mora	.63	.26	.52	1.31	6.38	.26	4.33	3.64	1.10	3.07	2.95	1.62	26.07
Morris	.90	.10	.85	2.78	3.57	2.14	2.29	6.13	.24	1.92	1.15	.....	.....
New London	.50	.10	.43	1.72	1.95	.77	3.31	4.28	.46	1.89	3.00	.81	19.07
New Richland	.59	.27	1.58	1.22	6.63	4.20	7.02	6.68	1.74	3.68	2.72	.89	37.62
New Ulm	.91	.91	.93	1.57	5.76	3.04	4.37	6.63	1.47	3.16	4.56	3.71	37.02
Park Rapids	.34	.21	.34	3.15	3.50	1.41	5.38	2.40	1.38	1.49	1.75	1.42	22.77
Pine River Dam	.32	.18	.49	2.35	3.27	1.22	2.83	2.67	1.67	2.23	2.80	1.44	21.47
Pipestone	.25	.10	.20	1.07	1.28	.17	2.36	2.67	.87	1.57	2.43	.....	.....
Pokegama Falls	.33	.16	.10	2.51	2.83	.78	2.74	4.09	1.10	2.42	1.97	1.26	21.31
Red Lake	.69	.34	.10	2.14	4.77	1.95	4.93	4.61	1.07	1.29	1.85	1.32	25.06
Red Lake Falls	1.42	1.03	T.	1.99	2.27	1.79	3.07	4.35	.80	1.59	.83	1.50	20.59
Red Wing	.94	.84	1.10	.90	4.52	3.94	3.97	5.40	2.84	2.90	2.16	1.94	31.45

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Minnesota—Continued.													
Redwood Falls	0.59	0.25	0.80	2.17	7.40	1.95	2.65	7.17	0.76	2.82	3.60	1.92	32.08
Reeds	.34	.24	.49	.61	3.97	4.10	1.38	2.73	1.47	2.01	1.14	.71	19.19
Rochester	.65	.62	2.97	1.13	4.34	3.54	4.46	3.69	1.60	3.18	1.27	1.19	28.64
Roseau	1.02	.32	.17	1.01	2.13	3.22	1.47	2.97	.39	2.61	.86	.87	17.04
St. Charles	1.06	.66	2.01	1.94	5.08	2.39	4.68	4.98	1.76	2.91	1.24	.97	29.68
St. Cloud	.48	.27	.72	1.79	4.14	1.64	4.43	3.21	.84	3.23	2.99	.72	24.46
St. Paul	.51	.69	.88	.94	4.52	2.81	5.05	5.19	1.49	2.61	3.45	2.05	30.19
St. Peter	.....	.80	.95	1.19	5.88	3.69	.....	6.52	2.32	3.63	4.39	1.13	.....
Sandy Lake Dam	.31	.07	.46	1.75	4.18	1.68	1.87	2.38	1.73	2.84	1.60	1.68	20.55
State Sanatorium	.44	.....	.07	.00	.....	.50	3.25	1.96	.69	1.06	1.35	.87	.....
Stillwater	.50	1.30	1.40	1.23	6.07	6.24	5.04	4.25	1.46	3.32	3.39	2.74	36.94
Taylors Falls	.56	.25	.14	1.18	6.21	1.66	2.45	3.35	1.10	2.16	2.95	1.54	23.55
Thief River Falls	.33	.21	.12	2.49	3.91	1.31	3.37	2.51	1.56	2.58	1.27	.94	20.60
Tracy	.40	.13	1.18	1.43	4.46	3.31	5.14	4.04	2.20	1.88	3.91	1.33	29.41
Two Harbors	.71	.48	.11	2.45	4.53	.79	1.51	2.30	1.42	3.07	2.27	1.34	20.98
Tyler	.....	.....	.....	1.75	4.10	1.80	3.70	.....	1.20	1.10	.....	.....	.....
Virginia	.73	.46	.17	1.58	4.12	2.03	1.36	2.81	.87	2.69	1.51	1.09	19.42
Warren	.35	.....	.15	2.17	2.51	1.63	4.41	2.25	1.36	.84	1.57	.80	.....
Warroad	.57	.47	.24	1.06	1.86	4.06	2.80	4.50	.61	3.47	1.22	.83	21.69
Waseca	.56	.62	5.00	1.81	6.61	3.11	4.54	6.75	2.71	3.28	2.29	.72	38.00
Wheaton	.41	.12	.80	2.57	3.36	2.87	2.84	3.18	.05	1.58	1.00	1.13	19.91
Willmar	.75	.50	1.37	1.53	3.77	.65	2.39	4.03	.79	1.80	2.87	1.27	21.72
Windom	.55	1.04	1.50	1.44	5.65	2.87	5.24	6.09	1.07	2.57	.....	.....	.....
Winnebago	.93	.67	2.15	1.58	8.28	3.73	6.13	5.53	.99	3.55	.....	.....	.....
Winnibigoshish	.49	.35	.16	2.87	2.85	.64	1.92	3.86	.66	1.78	1.56	1.34	18.48
Winona	.89	.49	2.46	1.69	5.95	3.29	2.53	2.18	2.21	2.49	1.98	1.08	27.24
Winthrop	.32	.19	.67	1.36	4.92	1.68	3.13	4.63	1.38	2.54	4.37	1.92	27.11
Winton	.90	1.15	.05	1.91	4.20	1.31	2.30	2.39	1.18	2.90	1.01	3.20	22.50
Worthington	.95	.50	1.75	1.65	5.61	3.28	4.27	8.28	1.24	2.35	3.81	1.65	35.34
Zumbrota	1.63	.65	2.75	1.20	5.46	2.58	2.88	4.65	2.66	2.93	2.34	2.30	32.03
Mississippi.													
Aberdeen	5.11	2.34	0.32	7.94	2.02	2.49	2.17	3.48	2.54	7.04	4.28	3.33	43.06
Agricultural College	7.73	3.03	1.17	8.13	1.97	4.74	2.95	1.16	.....	10.76	3.89	2.47	.....
Anguilla	4.50	3.32	0.90	8.06	0.87	4.70	5.90	3.61	2.77	8.61	3.57	3.43	50.24
Austin	6.00	1.76	1.09	7.55	0.78	2.05	0.51	3.95	4.28	2.62	3.90	2.75	37.24
Batesville	4.85	2.65	0.30	8.15	0.82	1.49	1.04	3.44	2.49	2.41	1.80	2.94	32.38
Bay St. Louis	3.92	3.10	0.98	10.94	3.57	1.05	4.73	.....	0.65	15.00	4.55	5.50	.....
Biloxi	4.02	2.94	1.59	10.25	1.73	2.46	2.54	6.48	2.54	15.73	5.71	7.50	63.49
Booneville	6.51	2.02	0.38	6.10	3.15	3.31	3.15	3.45	5.16	5.64	.....	5.22	.....
Brookhaven	8.88	2.30	1.02	7.82	2.58	2.91	3.32	6.85	2.35	15.77	6.56	4.11	64.47
Canton	7.31	3.16	1.44	7.55	0.64	2.20	2.02	3.62	5.05	11.93	3.98	3.85	52.75
Charleston	4.12	2.33	0.57	5.73	0.47	5.15	0.60	2.75	.....	.....	2.94	.....	.....
Clarksdale	3.82	2.58	0.50	5.25	0.69	2.67	0.83	4.44	2.13	4.02	4.76	3.30	34.99
Cleveland	2.85	1.33	0.97	6.64	0.72	1.49	1.50	4.24	3.30	2.70	2.71	3.70	32.15
Collins	5.68	2.18	0.73	.....	.....	.....	.....	.....	.....	.....	.....	3.88	.....
Columbia	7.04	1.80	1.09	6.68	1.67	2.71	4.47	5.11	2.28	7.86	6.16	5.77	52.64
Columbus	6.09	2.88	0.42	7.81	2.00	7.02	2.28	1.77	4.33	12.55	4.91	3.75	55.91
Corinth	5.20	2.90	0.58	4.68	3.08	3.87	3.80	3.74	4.98	4.47	2.22	4.08	43.55
Crenshaw	3.87	2.20	T.	5.84	0.88	1.36	0.90	3.60	2.88	.....	3.35	4.60	.....
Crystal Springs	6.69	2.82	1.25	9.51	2.65	2.48	2.52	1.69	2.87	16.11	5.15	4.48	58.22
Derma	.....	.....	.....	.....	1.02	3.73	.....	.....	.....	.....	.....	.....	.....
Duck Hill	4.17	3.54	0.65	10.21	1.18	5.44	1.15	0.99	1.42	5.12	5.01	3.30	42.18
Edinburg	6.70	3.48	1.30	7.20	1.94	5.27	1.66	2.81	5.39	12.19	3.46	3.36	54.75
Edwards	6.56	3.57	0.92	7.66	0.50	4.62	3.91	6.70	1.61	14.76	3.12	4.25	58.18
Enterprise	9.65	2.30	1.24	11.71	2.50	5.94	3.28	1.66	3.94	10.05	4.93	4.92	62.12
Fayette	6.74	2.31	0.55	7.54	1.07	1.80	3.49	2.58	2.40	9.65	3.49	4.08	45.70
Fruitland Park	5.30	2.27	1.00	8.15	1.10	3.60	2.90	7.46	2.30	12.15	5.35	5.95	58.53
Fulton	5.32	1.98	0.36	5.14	3.68	4.14	4.08	4.22	2.64	4.94	3.53	3.83	43.86
Greenville	3.97	1.39	1.29	5.96	0.95	2.75	1.06	2.96	3.32	4.43	4.82	2.94	35.84
Greenwood	4.45	1.99	1.85	7.18	0.90	4.13	3.09	1.75	2.70	6.63	2.90	3.35	40.92
Grenada	.....	1.71	0.64	7.00	0.57	3.42	1.47	1.78	2.51	4.57	3.46	1.60	.....
Hattiesburg	5.95	2.01	1.56	9.32	1.58	6.32	1.77	3.28	0.97	14.53	3.72	6.03	57.04
Hazlehurst	5.35	3.48	1.16	11.54	1.82	5.42	3.31	4.13	2.28	16.72	6.45	4.74	66.40
Hernando	6.33	2.00	0.34	4.29	1.33	3.26	1.84	5.58	7.00	2.06	2.85	2.62	39.50
Hickory	8.08	2.25	0.72	9.82	2.45	6.26	2.85	1.84	1.64	10.69	4.88	2.49	53.87
Hickory Flat	4.38	2.32	T.	4.00	2.10	2.09	2.40	3.88	4.12	2.33	.....	.....	.....
Holly Bluff	3.59	4.44	0.80	8.85	0.56	4.39	2.13	3.86	1.86	8.11	3.48	4.12	46.19
Holly Springs	5.26	2.76	0.46	7.25	1.11	3.25	2.74	5.07	3.37	3.84	.....	.....	.....
Jackson	6.67	2.85	1.32	7.86	1.67	5.22	1.83	2.32	4.20	10.58	3.45	3.96	51.92
Kosciusko	6.47	3.75	1.65	9.82	1.38	3.39	1.48	3.27	3.39	10.57	3.35	4.36	52.88
Lake	6.80	2.20	0.64	7.39	1.71	8.08	3.25	5.61	3.91	10.51	5.10	3.14	58.34
Laurel	8.32	1.64	1.57	9.84	1.74	5.03	2.63	3.74	.....	7.95	4.63	5.95	.....
Leakesville	5.79	1.58	1.10	8.55	4.07	5.42	6.96	5.94	5.48	11.17	5.49	4.38	65.93
Louisville	7.74	3.41	0.98	9.31	3.27	3.76	1.84	1.28	4.46	9.78	2.90	3.10	51.83
McNeill	5.72	2.28	1.85	6.97	2.27	3.63	6.27	3.10	1.25	10.91	3.91	9.37	57.53
Macon	5.97	3.14	1.14	8.56	1.30	3.81	2.37	2.27	4.00	10.63	3.80	3.20	50.19
Magnolia	6.49	3.20	0.83	8.39	3.85	2.76	3.53	6.76	2.20	10.09	4.50	3.66	56.26
Meadville	7.30	.....	0.80	5.75	1.13	6.66	6.27	6.23	.....	15.24	6.96	.....	.....
Mendenhall	7.50	1.74	1.01	11.11	2.16	.....	.....	.....	.....	.....	.....	.....	.....
Meridian	9.82	1.72	0.88	10.36	1.66	5.99	0.56	4.96	4.13	8.55	4.23	3.50	56.36
Merrill	5.81	2.18	0.71	8.80	2.66	4.63	2.24	7.07	3.69	10.15	4.37	5.90	57.71
Monticello	7.27	2.05	1.14	7.23	1.83	4.89	1.91	7.27	4.81	4.78	4.99	4.77	52.94
Moorhead	2.85	2.01	1.01	7.75	0.74	5.54	3.02	1.55	2.65	5.25	3.22	2.54	38.13
Natchez	7.46	2.05	1.61	7.88	1.30	4.23	1.36	2.45	1.93	10.56	5.48	4.42	50.73
Okolona	5.70	2.80	0.28	5.21	1.75	3.24	2.56	2.80	3.43	6.33	3.55	2.71	40.36
Pascagoula	2.91	2.26	2.46	10.89	1.37	2.02	3.90	11.25	3.87	.....	6.20	6.30	.....
Pearlington	5.18	2.87	0.85	12.78	3.03	3.44	4.12	8.33	1.92	18.17	4.01	7.91	73.11
Pontotoc	.....	.....	0.81	2.70	0.90	0.85	.....	2.00	2.36	.....	.....	.....	.....
Port Gibson	6.87	2.35	0.58	8.35	2.44	3.79	3.71	2.61	1.40	11.96	2.32	4.40	51.28
Rosedale	3.24	1.31	1.03	6.48	0.80	1.01	1.29	4.90	3.80	5.55	4.73	2.85	36.49
Scott	.....	.....	.....	.....	.....	2.42	0.84	2.03	3.94	3.54	3.92	3.22	.....
Shubuta	7.50	1.84	1.22	7.93	1.13	4.84	1.84	2.82	4.81	8.58	5.95	5.93	64.39
Stoneville	3.49	1.10	1.03	6.27	0.89	3.30	1.23	2.52	2.63	4.60	5.08	2.38	34.52

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Mississippi—Continued.													
Swan Lake	4.00	1.88	0.76	7.05	0.54	.....	.....	.....	.....	.....	4.22	2.45	.....
Tchula	4.94	3.54	1.18	6.91	0.48	5.26	5.12	2.76	2.35	6.83	3.32	3.16	45.85
Tupelo	.....	1.49	0.43	5.32	1.03	2.68	4.83	3.38	4.04	6.20	3.73	1.76	.....
University	4.30	1.56	T.	7.60	.....	2.85	0.70	0.60	3.76	3.13	3.30	3.76	.....
Utica	7.16	3.05	1.35	9.03	0.99	6.34	0.98	2.25	3.93	12.59	2.77	3.82	54.26
Vicksburg	6.72	2.40	0.58	8.41	0.74	4.66	1.98	6.96	1.26	17.26	3.85	4.94	59.76
Water Valley	6.96	2.50	0.78	6.90	0.30	6.80	3.46	1.61	4.67	3.88	2.85	2.92	43.63
Waynesboro	7.60	1.52	0.90	8.47	1.70	5.72	3.16	2.80	5.18	13.45	6.93	5.10	62.53
Woodville	6.37	3.78	1.48	6.57	1.21	2.55	3.19	6.58	1.86	9.78	8.33	4.16	55.86
Yazoo City	6.74	3.97	0.89	8.40	1.01	6.42	4.59	5.96	2.39	10.08	4.20	5.35	60.00
Missouri.													
Amoret	0.91	0.88	1.31	2.85	2.42	0.62	2.28	1.54	4.27	3.88	2.00	3.37	26.33
Appleton City	1.27	0.73	0.83	4.18	2.58	1.99	2.72	1.53	3.98	3.54	3.45	2.54	29.34
Arcadia	2.80	0.98	3.31	10.90	6.63	3.38	0.47	5.15	3.95	7.71	2.61	4.27	52.16
Arlington	0.30	1.00	1.10	7.87	3.81	2.74	1.02	3.42	3.26	0.80	2.79	2.88	30.09
Avalon	1.55	2.04	0.35	3.15	5.06	3.15	1.55	2.85	3.80	2.10	3.70	3.53	32.83
Bethany	1.20	0.78	0.32	2.84	6.16	3.79	2.17	2.87	2.78	3.51	2.51	1.94	30.87
Birchtree	3.33	0.86	0.45	4.91	7.88	3.62	1.35	3.87	5.47	3.17	2.29	4.21	41.41
Bolivar	1.10	2.00	3.03	6.08	4.62	3.13	3.87	2.78	3.40	3.80	4.74	3.13	41.68
Boonville	0.99	0.87	0.77	5.20	4.34	2.74	1.46	4.05	5.28	1.81	2.81	1.72	32.04
Brunswick	0.94	1.41	0.68	3.47	5.94	3.66	2.09	1.83	4.06	1.59	2.47	1.74	29.88
Cape Girardeau	4.00	0.42	1.35	6.06	11.17	2.85	0.29	.....	.....	.....	2.90	8.86	.....
Caruthersville	7.18	1.45	1.24	4.83	8.56	4.16	0.65	4.87	6.36	2.87	2.60	7.33	52.10
Cassville	1.96	0.12	1.56	3.19	4.04	.....	1.34	2.63	5.25	4.13	.....	2.20	.....
Chillicothe	1.21	1.50	0.40	2.15	3.50	2.83	1.34	2.32	2.95	3.65	3.35	4.19	29.39
Clifton Hill	1.75	1.64	1.17	3.73	5.51	2.14	1.55	3.45	1.85	2.14	2.27	2.87	30.07
Clinton	1.91	0.77	1.31	3.59	4.99	2.80	3.31	0.68	5.90	4.03	3.27	2.25	34.81
Columbia	1.00	1.30	0.64	5.07	3.95	2.68	0.73	7.83	9.69	1.99	2.47	2.30	39.65
Conception	0.50	1.24	0.38	1.72	3.95	2.85	1.56	4.50	2.85	3.09	1.74	1.71	31.09
Crocker	1.70	.....	1.28	.....	3.10	4.50	.....	.....	.....	.....	.....	.....	.....
Dean	2.60	0.00	3.77	4.34	3.37	3.14	1.94	3.40	6.90	4.62	.....	3.02	.....
Doniphan	6.15	0.95	0.46	7.51	8.00	1.92	1.01	4.90	6.79	5.09	1.87	6.75	51.40
Eldon	1.06	0.45	0.38	5.74	4.08	2.59	1.15	2.95	5.55	2.74	2.76	2.47	31.92
Farmington	.....	.....	.....	.....	.....	.....	1.48	6.03	3.95	4.34	2.28	4.44	.....
Fayette	2.25	0.99	0.62	3.19	4.43	3.35	1.17	2.37	4.66	2.14	2.55	2.71	30.43
Fulton	1.30	2.00	0.85	6.07	5.80	2.22	0.46	2.68	6.90	2.61	2.77	2.09	35.75
Gallatin	1.65	0.94	0.38	2.98	4.83	3.68	2.96	3.04	2.63	3.84	3.13	2.16	32.22
Gano	2.51	0.65	1.17	8.75	4.91	3.32	1.80	4.82	3.08	2.67	3.60	3.87	41.15
Glencoe	.....	.....	.....	.....	.....	1.93	.....	.....	5.38	4.46	3.07	2.98	.....
Goodland	1.74	1.10	1.49	8.51	7.24	2.87	0.25	6.67	3.36	3.95	3.28	3.95	44.41
Gorin	0.50	1.44	0.37	3.19	6.26	4.48	1.63	2.81	2.48	2.10	2.71	1.25	29.22
Grant City	0.60	0.70	0.49	2.40	7.83	2.38	4.94	3.35	3.82	4.11	2.34	1.82	34.78
Hannibal	0.98	0.88	1.10	4.40	6.21	2.03	1.19	5.40	5.89	2.25	2.11	1.79	34.23
Harrisonville	0.99	1.00	1.46	4.96	2.86	2.31	1.95	1.53	6.15	4.47	2.40	2.15	32.23
Hermann	1.08	1.34	0.32	5.60	6.36	3.67	1.54	1.92	7.66	2.31	3.11	2.07	36.98
Hollister	4.00	T.	3.80	12.14	6.25	2.91	2.62	4.89	5.24	2.53	3.57	4.96	52.91
Houston	2.30	1.08	2.02	3.41	3.57	4.13	3.99	2.71	2.92	1.18	2.70	4.13	34.14
Jackson	2.51	0.92	0.91	6.01	11.53	3.05	0.21	2.82	4.96	3.19	2.04	7.84	45.99
Jefferson City	0.88	0.92	0.53	5.72	5.20	2.13	1.47	2.50	5.85	2.16	2.77	2.26	32.44
Kansas City	0.94	1.53	0.48	2.87	3.77	1.50	1.82	2.45	7.29	4.00	4.61	2.98	34.24
Keytesville	1.95	1.17	0.84	3.41	6.61	2.09	1.56	2.61	.....	2.00	2.64	1.83	.....
Kidder	0.69	1.05	0.32	2.36	5.02	4.35	2.07	2.41	3.85	3.57	3.60	2.37	31.66
Kirksville	0.89	1.68	0.51	3.53	4.10	2.54	2.95	2.52	2.04	2.50	2.69	3.46	29.41
Koshkonong	4.79	0.67	0.57	4.82	9.99	4.78	1.33	4.70	4.71	3.89	2.82	6.37	49.44
Lamar	0.80	0.43	2.00	5.97	4.05	4.93	1.36	4.99	4.17	7.95	6.45	3.68	46.78
Lamonte	0.22	1.38	0.61	3.24	5.54	4.64	1.27	3.67	9.50	2.70	3.19	3.36	39.32
Lebanon	1.48	0.70	1.15	7.98	3.90	7.24	1.94	5.96	3.34	3.95	4.12	2.69	44.45
Lexington	1.13	1.94	0.53	3.35	4.62	4.59	1.24	1.73	4.04	1.83	2.76	1.76	29.57
Liberty	.....	2.15	0.82	3.19	5.46	1.52	2.32	1.92	6.27	2.88	5.30	3.67	.....
Lockwood	0.77	0.52	2.09	7.63	5.35	8.06	2.80	2.93	5.12	6.30	5.26	3.16	49.99
Louisiana	1.83	1.56	1.10	6.54	3.89	3.77	1.84	4.98	5.07	3.62	3.57	1.95	39.72
Macon	.....	1.00	0.02	2.87	3.72	2.97	4.05	3.57	3.35	3.01	2.64	1.83	.....
Marble Hill	1.28	1.10	0.47	6.29	7.50	3.50	0.40	4.15	5.40	4.20	4.00	5.75	44.04
Marshall	1.73	1.68	1.21	3.91	3.85	3.28	1.27	2.22	7.59	1.95	2.63	2.20	33.52
Maryville	0.82	1.92	0.17	2.53	8.15	2.25	1.78	6.50	2.47	4.77	2.55	1.45	35.36
Mexico	1.25	0.52	0.28	6.33	4.78	6.00	1.23	1.15	5.00	2.15	2.70	1.78	33.17
Mountain Grove	1.87	0.22	1.65	7.39	7.03	5.01	2.02	3.70	3.39	1.51	4.09	4.49	42.37
Neosho	3.06	0.04	3.28	4.92	4.99	2.03	1.28	2.21	5.25	4.97	7.60	3.02	42.65
Nevada	.....	.....	.....	.....	.....	1.38	1.77	2.46	5.73	4.80	4.77	3.10	.....
New Madrid	5.49	1.67	1.31	7.54	7.19	4.89	0.79	3.81	3.96	3.31	2.42	4.36	46.74
Oakfield	1.14	1.68	0.28	7.70	4.87	3.20	0.91	5.32	6.37	3.67	3.02	3.23	41.39
Oregon	0.58	0.72	0.14	3.10	4.24	1.28	1.88	2.43	1.84	3.85	2.46	2.37	24.89
Osceola	.....	0.91	1.29	5.64	2.48	1.96	2.91	1.97	5.66	3.63	5.20	2.21	.....
Pacific	1.34	1.51	0.48	7.05	5.16	1.93	0.65	5.32	5.75	3.79	2.64	2.67	35.29
Palmyra	1.31	1.02	0.32	5.00	4.57	2.94	1.94	4.28	4.11	2.23	2.22	1.75	31.69
Patton	1.50	0.80	0.70	5.50	10.20	2.00	.....	4.05	3.55	4.10	1.90	3.90	.....
Poplar Bluff	4.75	0.66	0.55	7.00	7.57	3.15	0.74	1.80	6.51	5.13	3.03	3.65	49.54
Rolla	1.33	1.01	1.00	8.90	4.05	2.94	0.80	5.87	3.86	3.37	4.20	3.35	40.77
St. Catherine	0.59	1.45	0.25	2.82	4.20	2.88	3.06	2.54	1.73	2.13	2.90	2.23	26.78
St. Charles	0.85	0.35	T.	4.94	3.76	2.60	1.77	2.55	6.68	3.93	2.27	1.21	30.91
St. Joseph	0.67	1.07	0.34	2.57	6.71	1.30	1.61	3.28	4.53	3.10	2.82	1.97	29.97
St. Louis (No. 1)	1.31	2.09	0.67	7.09	3.28	1.47	0.60	5.26	5.09	3.63	2.73	2.69	35.91
St. Louis (No. 2)	1.69	1.98	0.72	8.56	3.84	2.13	0.90	6.47	5.67	4.64	2.78	3.08	42.46
Shelbina	.....	1.17	0.99	4.55	4.22	2.80	2.43	2.62	3.48	2.50	2.64	2.21	.....
Springfield	1.96	0.64	1.33	4.25	4.19	3.61	1.11	3.12	4.82	2.72	3.90	2.97	34.62
Steelville	0.66	0.95	1.00	7.76	4.99	3.65	3.15	3.65	5.75	4.75	4.09	2.94	43.34
Steffenville	1.02	1.68	T.	3.31	7.10	2.75	1.73	3.50	3.37	2.65	2.15	3.27	32.53
Tarkio	0.42	0.79	0.04	1.64	6.27	2.68	4.87	3.70	3.00	6.44	2.40	1.87	34.12
Trenton	1.09	1.04	0.20	3.79	7.21	6.26	1.84	3.75	2.26	3.93	3.44	2.39	37.20
Tuscumbia	1.18	0.93	0.85	5.84	4.11	2.04	0.92	3.65	7.27	2.67	3.40	2.67	35.53
Union	1.43	1.32	0.67	8.79	6.14	3.42	0.71	7.56	6.48	3.98	2.53	2.67	45.70
Unionville	1.36	1.58	0.59	3.88	9.35	3.15	1.89	2.97	3.95	3.45	2.83	2.25	37.25
Valley Park	1.20	1.33	0.75	7.53	4.06	1.63	0.82	7.31	5.60	5.00	.....	.....	.....
Warrensburg	0.66	1.16	1.15	3.84	.....	2.71	1.87	.....	.....	2.71	.....	.....	.....
Warrenton	1.20	1.10	0.31	4.50	9.12	4.25	0.71	2.48	5.58	3.53	3.28	2.44	35.50
Warsaw	1.95	1.00	1.25	5.98	2.57	2.27	2.11	3.66	6.71	2.98	4.91	3.58	38.55
Waverly	0.98	1.63	0.67	4.00	4.61	1.74	2.14	2.18	5.44	1.94	2.75	1.53	29.91

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Montana.													
Adel	3.25	1.10	1.44	3.43	2.79	2.59	4.15	2.63	2.77	0.84	1.32	1.36	27.67
Agricultural College	1.98	0.81	1.24	1.35	2.82	2.70	1.72	0.79	2.43	1.05	1.71	0.29	18.89
Anaconda	1.32	0.72	0.96	0.73	1.25	1.40	3.44	1.55	2.09	0.52	0.17	0.07	14.22
Augusta	0.96	0.16	0.32	0.32	0.08	2.02	2.35	0.25	2.12	0.40	0.64	0.24	9.86
Babb	1.20	1.06	1.30	3.01	1.69	0.28	1.50	1.68	3.00	1.09	.....	0.32	.....
Belton	.....	.....	.....	.....	.....	0.66	1.67	1.43	1.34	.....	0.89	0.82	.....
Big Ox	1.44	.....	.....	.....	1.04	0.62	3.34	1.52	1.52	0.44	0.40	0.04	.....
Big Timber	1.20	0.57	2.50	1.47	2.95	1.75	2.74	1.62	4.89	0.40	0.28	0.10	20.47
Billings	2.00	0.69	0.59	1.58	2.44	0.83	1.63	1.28	2.21	0.42	1.44	0.01	15.15
Blackleaf	.....	.....	0.18	0.03	0.51	1.29	1.46	.....	2.24	0.44	0.65	0.61	.....
Boulder	.....	.....	1.41	0.76	.....	.....	2.95	1.88	1.96	.....	.....	0.05	.....
Bowen	1.13	0.71	0.90	0.23	0.12	0.45	0.84	2.20	0.79	0.94	0.25	T.	8.56
Brenner	.....	0.37	0.36	0.77	0.75	0.71	1.59	2.44	2.70	0.57	0.63	0.49	.....
Bridger	.....	0.62	0.93	1.54	1.58	.....	.....	0.44	3.04	0.69	.....	0.02	.....
Browning	0.96	0.26	0.25	0.27	0.39	0.14	0.99	2.23	2.16	0.18	0.12	0.18	8.13
Busby	1.93	0.19	0.66	1.76	2.48	1.34	4.03	1.18	2.75	0.80	0.82	0.43	18.37
Busteed	1.76	0.58	1.13	0.82	2.37	1.43	3.47	2.14	3.98	0.74	0.61	0.20	19.21
Butte	1.86	0.84	3.15	1.41	0.64	1.09	2.54	1.11	1.88	1.45	0.36	0.02	16.35
Canyon Ferry	0.67	0.20	0.29	0.19	0.53	0.88	2.21	1.57	1.29	0.77	0.04	T.	8.64
Cascade	0.80	0.54	0.46	1.97	2.50	1.75	2.28	0.68	1.08	0.04	1.35	0.49	13.94
Chester	.....	.....	.....	.....	.....	0.67	0.19	1.18	1.14	.....	.....	.....	.....
Chinook	1.36	0.31	0.33	0.35	0.15	0.26	0.82	2.25	0.76	1.16	0.15	0.11	8.01
Choteau	.....	0.15	0.27	0.63	2.60	0.38	1.49	1.19	1.70	0.41	0.11	0.07	.....
Christensen	0.69	0.18	0.32	0.45	2.33	1.24	4.00	3.21	1.09	.....	0.24	0.28	.....
Clear Creek	1.08	0.44	0.16	0.55	0.65	0.14	0.77	2.53	0.90	0.77	0.50	0.08	8.67
Clyde Park	0.80	0.52	0.90	0.50	2.40	1.70	.....	.....	.....	.....	.....	.....	.....
Columbia Falls	2.55	1.19	0.64	0.88	0.76	0.33	2.49	1.79	2.45	2.18	0.55	1.36	17.18
Como	1.12	0.67	0.58	0.62	0.86	0.45	1.55	3.78	1.85	1.58	0.99	0.34	14.39
Copper	2.10	0.50	0.56	0.42	2.64	1.11	2.94	1.38	4.01	2.19	0.19	0.01	18.05
Crow Agency	2.13	0.57	0.10	1.35	0.85	1.55	2.37	1.01	2.79	0.55	2.25	.....	.....
Culbertson	0.36	0.06	0.09	2.33	1.11	1.05	1.55	2.11	0.27	0.59	1.20	0.52	11.24
Cut Bank	1.20	0.24	0.04	0.50	0.20	0.41	0.41	1.51	0.99	0.60	0.04	0.04	6.18
Dayton	1.68	0.28	1.06	1.05	0.51	0.54	0.98	1.76	1.05	0.74	0.23	0.29	10.17
Deer Lodge	0.60	0.17	0.03	0.25	0.48	0.91	1.74	1.13	2.57	0.71	0.31	T.	8.90
Dell	0.22	0.32	0.09	0.44	0.69	3.64	2.51	1.70	1.29	0.38	0.39	0.13	11.80
Denton	1.61	0.49	0.14	0.43	1.02	1.08	1.83	1.66	1.16	1.18	0.59	0.07	11.26
Dillon	1.36	1.69	1.04	2.21	2.35	2.43	2.61	0.96	1.61	0.60	1.93	0.80	19.59
Dunkirk	1.36	0.08	0.13	0.08	0.28	0.22	0.86	1.90	1.51	0.52	0.05	0.28	7.27
East Anaconda	3.88	0.82	1.60	0.53	0.85	0.91	2.10	1.38	1.79	0.46	1.65	0.01	15.91
Ekalaka	0.28	0.19	0.61	1.57	2.34	1.59	2.27	2.80	1.02	0.28	0.35	0.20	13.50
Elliston	.....	.....	0.49	0.37	0.28	0.61	1.30	1.46	3.30	0.30	0.50	0.26	.....
Ennis	2.13	0.80	0.32	1.68	2.15	2.40	1.51	0.65	1.72	1.30	0.83	0.48	.....
Findon	1.41	0.57	0.79	0.61	2.38	1.23	4.12	1.73	3.62	0.96	0.20	0.04	17.66
Flatwillow	1.47	0.51	0.66	0.55	2.25	0.94	2.44	2.90	0.73	0.93	0.54	0.09	14.01
Fortine	2.10	1.03	0.83	0.69	0.87	0.46	2.44	1.80	2.50	1.56	1.82	1.60	17.70
Fort Shaw	0.48	0.08	0.09	0.25	0.39	1.31	0.99	2.19	1.15	T.	0.12	0.24	7.29
Foster	.....	.....	T.	1.37	1.49	2.61	1.38	1.02	2.06	0.20	0.87	0.05	.....
Geyser	0.70	0.04	0.11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Glacier Park	1.68	2.15	0.90	0.70	1.00	0.58	.....	.....	.....	.....	.....	.....	.....
Glasgow	0.73	0.38	0.09	1.12	0.37	0.66	1.90	4.26	0.77	0.55	0.26	0.56	11.65
Glendive	0.56	0.17	0.40	2.14	1.25	0.73	1.14	3.05	0.83	0.60	0.91	0.48	12.26
Goldbutte	1.03	0.58	0.39	0.28	0.43	0.41	0.69	1.44	0.56	0.46	0.06	0.35	6.68
Graham	0.62	0.27	1.39	2.35	3.00	0.88	3.24	1.76	3.17	0.32	0.30	0.18	17.48
Great Falls	1.41	0.08	0.38	0.86	0.86	1.42	1.85	2.05	2.02	0.16	1.09	0.14	12.32
Hamilton	1.52	0.30	.....	.....	.....	0.63	0.80	.....	.....	.....	.....	.....	.....
Harlowton	0.54	0.08	0.09	0.10	0.35	0.17	5.40	1.05	0.96	2.40	0.00	.....	.....
Haugan	3.09	2.41	1.78	1.04	1.96	0.43	0.66	1.31	0.90	3.88	0.52	2.55	20.53
Havre	1.19	0.40	0.51	0.35	0.13	1.45	0.75	2.61	0.98	1.05	0.53	0.09	10.04
Hebgen Dam	4.24	2.42	2.31	1.37	1.65	2.37	3.58	1.65	3.01	2.70	.063	0.85	26.78
Helena	1.07	0.38	0.42	0.57	1.36	0.87	3.18	0.96	1.76	0.39	0.15	0.07	11.18
Hercules Ranch	.....	1.00	.....	2.50	1.87	1.58	1.14	0.60	1.63	0.38	0.52	0.05	.....
Heron	3.67	5.00	2.50	1.37	1.87	1.30	2.50	1.85	0.50	3.20	2.82	5.07	31.65
Highwood	1.57	0.32	0.34	1.25	0.53	0.66	2.09	1.78	2.27	0.60	0.81	0.42	12.64
Huntley	1.71	0.44	0.26	0.84	2.07	1.17	1.74	0.78	2.19	0.35	1.15	0.08	12.78
Jordan	0.82	0.67	0.16	0.81	0.60	1.12	2.44	6.30	.....	0.42	0.33	0.15	.....
Kalispell	1.82	0.90	0.76	0.63	0.43	0.58	1.47	0.96	1.59	0.91	0.23	0.87	11.15
Knobles Ranch	0.66	0.63	0.21	0.14	0.63	0.40	0.97	1.90	1.18	0.51	0.12	0.18	7.53
Knowlton	1.61	0.58	0.33	2.75	2.26	0.57	0.95	4.33	0.52	0.74	1.30	.....	.....
Lewistown	.....	0.87	0.38	0.18	3.32	1.68	2.08	3.14	1.28	1.76	0.52	0.26	.....
Libby	1.32	1.89	1.37	0.79	0.63	0.49	2.64	1.42	0.67	1.32	1.10	1.49	15.11
Lindsay	1.02	0.60	1.06	1.58	0.89	0.91	1.69	3.67	0.20	0.37	0.83	0.67	13.49
Livingston	1.17	0.39	1.14	1.54	2.87	1.60	1.34	1.04	3.35	0.75	0.93	0.08	16.20
Lonepine	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.35	.....
Lytle	1.78	0.22	0.31	0.89	0.37	0.55	1.40	1.61	1.80	0.29	0.80	0.25	9.77
Malta	0.52	0.05	0.15	0.47	0.63	1.23	1.58	2.85	0.53	0.69	0.38	0.10	9.18
McClary's Ranger Station	.....	0.28	0.35	.....	2.73	1.54	2.80	0.85	1.44	.....	.....	.....	.....
Medicine Lake	.....	.....	.....	2.22	1.30	1.21	2.04	2.78	0.30	0.53	0.12	0.50	.....
Melstone	0.57	0.42	0.07	0.48	1.36	0.32	5.65	1.80	1.35	.....	.....	.....	.....
Mildred	0.32	0.64	0.11	1.64	1.37	0.85	1.40	0.87	0.29	0.56	0.37	0.45	8.87
Miles City	1.32	0.49	0.54	1.67	1.75	0.61	2.19	1.08	0.75	0.35	1.30	0.65	12.70
Missoula	2.04	1.79	1.62	0.59	1.04	0.22	1.09	3.06	1.60	1.87	0.26	0.49	15.67
Norris	0.92	0.74	0.49	2.24	2.30	1.45	1.33	1.25	1.29	1.23	1.06	0.36	14.66
Outlook	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.65	0.20	.....	.....
Ovando	1.51	0.49	0.42	0.75	0.92	0.61	0.76	2.58	1.67	1.49	0.45	1.23	12.88
Philipsburg	0.94	0.42	0.71	0.88	1.11	1.37	1.19	2.43	3.18	1.29	0.66	0.06	14.24
Pinegrove	3.36	1.07	1.01	1.68	3.06	1.61	7.79	.....	1.32	1.31	0.46	0.43	.....
Plains	1.60	0.59	1.10	0.88	1.96	0.34	1.14	1.50	0.65	1.55	0.25	0.71	12.27
Plevna	0.95	0.44	0.63	2.04	2.09	0.40	1.48	1.60	0.31	0.61	0.71	0.63	11.89
Polson	2.71	0.52	1.08	1.24	0.70	0.70	1.35	1.36	1.12	1.05	0.33	0.22	12.38
Poplar	0.37	0.10	0.04	1.79	0.37	1.23	2.33	3.21	0.32	0.58	1.88	0.76	12.98
Red Lodge	1.08	0.98	1.41	4.23	1.70	0.36	1.59	0.66	5.56	1.63	1.04	0.76	21.00
Renova	0.38	0.50	0.47	0.45	0.98	1.15	2.15	1.03	1.77	1.14	0.08	T.	10.10
Rock Springs	1.02	0.54	0.76	1.25	1.33	0.63	1.86	3.45	1.16	0.45	1.09	0.75	14.89
Roundup	1.89	0.12	.....	.....	.....	.....	.....	.....	1.82	0.41	0.50	T.	.....
Rudyard	0.29	0.10	0.32	0.30	0.02	0.18	0.92	.....	0.89	0.17	0.10	0.04	.....
Ryegate	.....	.....	.....	1.30	2.03	2.81	1.16	1.81	.....	.....	.....	.....	.....
St. Ignatius	2.36	0.33	0.62	1.71	1.43	1.08	0.52	1.51	1.18	0.47	0.49	0.31	12.01

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Montana—Continued.													
Savage	0.22	0.25	0.54	1.67	1.00	1.18	1.52	4.46	0.48	0.31	1.09	0.78	13.50
Shelby	0.81	0.40	0.02	0.25	2.47	0.46	0.49	1.62	1.80	0.24	0.20	0.12	8.88
Sidney		0.29											
Snowbelt	0.85	0.50	0.74	0.80	1.34	0.52	2.19	4.06	1.66	0.63	0.79	0.21	14.29
Springbrook	1.06	0.80	1.15	3.06	1.41	1.67	1.57	4.49	0.68	0.30	3.19	1.61	20.99
Stevensville	0.68	0.07	[0.18	0.54	0.68	0.52	0.69	3.71	1.89	0.96	0.31	0.17	10.40
Stryker	2.55	1.98	1.26	0.65	1.19	0.51	2.45	2.67	2.16	2.75	0.45		
Suffolk	1.79	0.29	[0.16	0.40	1.24	1.53	2.55	1.61	0.97	1.35	0.23	T.	12.12
Sula					0.50		1.47	2.56			0.36		
Sun River Canyon	1.43	0.36	0.55	1.02	0.51	0.89	2.43	2.18	1.91	0.55	0.55	0.37	12.75
Sunset Orchard	1.55	0.36	0.58	0.73	0.92	0.53	0.96	3.88	1.96	0.79	T.	0.01	12.27
Superior	2.29	1.23	2.18	0.89	1.92	0.70	1.02	2.58				0.10	
Thompson Falls	2.33	1.84	1.43	0.80	1.85	0.61	2.42	1.54	1.44	1.79	1.31	1.67	19.09
Three Forks	0.43	0.10	0.61	0.37	1.13	1.39	1.22	0.85	1.99	0.85	0.89	0.04	9.87
Trout Creek	3.53	3.95	2.86	1.29	1.38	0.21	1.00	1.37	0.50		2.43	5.46	
Upper Yaak River	1.21	1.57	1.81	1.11	0.84	0.42	1.62	2.43		2.72	1.48	1.37	
Utica	1.06	0.36	0.84	0.71	2.0	1.30	3.98	0.93	2.00	1.30	0.42	0.03	15.79
Valentine	[0.62	0.06	0.03			0.07	0.23	1.65	0.09	0.07	0.76	0.52	
Valier	0.33	0.02	0.06	0.26	0.43	0.17	0.76	1.41	2.05	0.69	0.08	0.17	6.43
Vananda	1.62	0.36	0.35	1.05	2.38	0.35	0.72	1.50	1.55	0.56	0.87	0.01	11.32
Victor	2.19	0.77	0.64	0.37	0.61	0.37	1.34	4.14	1.99	1.09	0.23	0.26	14.00
Virginia City	1.58	0.52	0.65	1.10	1.25			0.65	0.92	1.31	0.35	0.51	
Wheaton	1.47	0.68	0.29	0.72	2.22	1.63	2.92	3.50	2.78	0.52	0.20	0.12	17.05
White Sulphur Springs	0.76	T.	0.33	0.32	1.50	1.06	3.47	0.92	1.86	1.64	0.00	0.32	12.18
White Water	0.46	0.38	0.27	0.91	0.41	0.62	1.00	4.70	0.50	0.73	0.23	0.23	10.44
Wibaux	0.60	0.40	0.20	3.18	1.06	1.84	1.40	3.50	0.49	0.15	1.32	0.20	14.34
Wolf Creek	0.47	0.66			1.50	0.99	2.51	1.94	1.36	0.05	0.24		
Nebraska.													
Ainsworth		0.60	0.50	3.31	3.56	2.29	2.38	2.03	1.64	1.28	0.51	2.14	
Albion	1.10	0.39	0.49	0.57	4.19	2.04	3.38	2.42	1.17	3.75	2.50	1.06	23.06
Alliance	0.58	0.23	0.35	2.93	2.50	1.66	3.25	2.96	3.97	0.43		1.89	
Alma	0.78	0.50	0.33	1.62	2.35	0.87	5.90	2.48	1.57	2.33	1.42	2.54	22.69
Antioch		0.25		1.17	2.46	0.61	2.14	2.83	3.79			0.96	
Arcadia	0.45	0.29	T.	1.06	5.73	3.14	1.45	2.45	1.11	1.66	3.56	1.86	22.76
Arden	1.24	0.91	0.71	1.42	5.48	2.58	3.13	2.77	1.93	2.15	2.52	1.22	26.06
Ashland	0.62	0.86	0.23	0.66	3.39	1.94	3.83	1.06	1.09	4.49	2.61	0.77	21.55
Atkinson	1.38	0.85	0.42	0.77	4.45	1.27	1.88	2.12	0.95	3.15	0.93	1.15	19.32
Auburn	0.50	1.64		3.08	8.06	3.36	2.91	5.04	2.09	6.36	1.97	1.95	
Beatrice	0.57	0.90	0.25	1.86	5.48	2.33	1.26	2.82	2.89	5.01	1.94	1.17	26.48
Beaver City						0.72	6.58	1.65	1.51	2.01	0.86	1.65	
Benkelman	0.41	0.38		2.22									
Bertrand	0.97	0.68	0.12	1.88	2.78	1.26	3.53	2.47	0.51	2.10	0.99	0.88	18.17
Bigspring	0.24	0.19	0.91	3.29	2.29	0.31	5.62	2.55	2.69	3.29	0.09	1.52	22.99
Blair	0.89	1.03	0.28	2.00	9.27	2.35	1.32	1.01	1.29	5.61	2.84	0.93	28.82
Blake	0.74	0.50	0.30	0.73	6.79	1.51	1.81	2.41	1.17	1.20	0.30		
Bloomfield	0.45	0.60	0.60	2.05	7.80	2.52	1.67	2.42	0.89	1.15	2.25		
Bradshaw	0.88	0.73	0.55	1.56	3.35	2.71	1.68	3.00	0.90	4.31	2.09	1.55	23.31
Brewster	0.75	0.70	0.45	1.84	5.92	1.87	3.44	2.69	2.61	3.07	1.17	3.61	28.12
Bridgeport	0.45	0.20	0.62	2.85	3.18	0.32	1.75	2.91		4.07	0.63	0.17	1.27	18.42
Broken Bow	0.88	0.36	0.13	1.70	5.56	1.61	2.12	2.17	0.95	2.58	0.82	1.27	20.15
Brownlee	0.22	0.21	0.39	2.10	2.05	4.21	2.66	2.27	1.83	0.77	0.20	0.84	17.75
Bruning	0.66	0.93	0.45	2.22	5.34	2.15	2.48	1.50	2.13	3.83	1.14	1.46	24.29
Burwell	0.72	0.30	0.38	1.10	5.88	3.77	1.80	1.07	1.55	1.66	0.70	1.06	19.99
Butte	0.76	0.49	0.81	1.83	5.14	1.36	2.21	2.76	1.23	1.68	1.07	1.07	20.41
Cairo	1.05	0.45	0.34	1.94	2.83	2.26	2.13	3.04	0.98	1.82	1.04	1.42	19.30
Callaway	0.80	0.20	0.19	1.60	6.35	2.06	1.60	2.70	1.21	3.74		0.99	
Central City	1.00	0.48	0.39	1.28	2.84	1.66	2.69	2.19	1.11	2.78	1.71	1.17	19.30
Chadron	0.18	0.67	0.90	3.15	1.48	2.30	2.23	1.09	2.55	1.51	0.36	1.21	17.63
Clay Center	0.50	0.70		2.10	4.66	3.51	3.23	2.20	0.99	2.89	1.05	1.24	
Columbus	0.58	1.10	0.55	1.83	5.24	2.67	2.45	1.05	1.06	2.40	1.79	1.09	21.81
Crete	0.42	1.25	0.05	2.36	5.12	2.28	3.43	1.51	1.68	4.87	1.83	1.44	26.24
Culbertson	1.33	0.55	0.29	2.05	2.10	1.20	4.30	3.09	1.30	1.70	0.40	1.58	19.89
Curly			0.35	3.25	3.90						0.45	1.15	
Curtis	0.86	0.53	0.54	2.70	3.50	0.80	4.20	2.20	1.00	3.10	0.95	1.03	21.41
David City	0.95	1.30	0.50	1.59	3.75	2.19	3.60	1.67	0.70	4.71	1.58	1.19	23.73
Drexel	0.49	0.94	0.19	1.77	4.28	2.55	2.12	0.70	1.04	5.01	2.66	0.95	22.70
Dumas	0.38	0.38	0.28	0.94	5.96	2.20	2.93	1.52	1.72	1.43	2.10	0.90	20.74
Elm Creek	0.46	1.18	0.25	1.75	3.68	1.02	3.65	1.95	0.46	3.05	0.96	2.13	20.84
Elsie	0.59	0.29	0.90	3.44	3.73	0.90	6.37	1.65	1.85	2.66	0.17	1.70	24.25
Ericson	0.70	0.50	0.08	0.95	4.78	1.24	1.86	1.80	0.94	1.57	3.56	1.56	19.49
Ewing	0.25	0.54	0.13	1.75	3.24	2.34	1.48	2.73	2.07	0.43	1.87	1.16	22.99
Fairbury	0.69	1.97	0.37	2.10	3.09	3.25	1.91	2.65	1.59	4.48	1.67	1.46	30.23
Fairmont	0.82	0.90	0.18	1.90	3.36	2.16	3.09	1.89	0.97	3.54	1.03	1.13	20.97
Falls City	0.70	0.90			7.25	1.66	2.53	3.15	1.58	4.24	3.06	1.71	
Fort Omaha	0.44	0.88	0.06	2.03	4.28	2.12	2.77	1.33	1.12	4.77	3.48	0.90	24.18
Fort Robinson	0.71		0.34	1.28	2.50	1.01	5.13	1.35	2.15	0.83	0.48	1.29	
Franklin	0.88	0.48	0.61	2.62	3.49	1.23	5.46	3.00	1.11	2.21	1.27	2.75	25.11
Fremont	1.01	0.79	T.	1.02	5.69	2.72	1.48	0.38	1.05	4.77	2.13	1.06	23.10
Fullerton	1.28					2.47					1.64	0.97	
Geneva			0.30	2.00	3.81	2.67	2.00	3.16	1.48	4.27	1.21	3.00	
Genoa	0.95	0.55	0.74	1.35		2.25	2.53	0.85		3.22			
Gordon	0.59	0.15	1.40	2.25	2.49	3.30	4.32	2.10	1.60	1.16	0.33	0.98	20.67
Gosper	0.30	0.95	0.19	2.52	4.97	1.37	4.46	3.03	0.49	3.16	0.89	1.74	24.07
Gothenburg	0.90	0.40	0.50	2.15	4.43	0.84	3.07	4.01	0.77	3.62	0.80	1.50	22.99
Grand Island	1.42	0.95	0.27	2.08	2.65	1.90	1.94	2.91	0.61	1.82	1.34	1.09	19.67
Greeley		0.45	0.10	1.49	3.36	1.32	2.97	1.75	0.74	2.24	2.50	1.65	
Gresham	0.46		0.26										
Guide Rock	0.90	1.00	1.14	2.97	5.01	2.61	2.87	3.29	1.36	4.29	1.47		
Haigler	0.37	0.80	0.50	1.27	1.34	0.23	3.24	1.95	2.04	2.18	0.15	1.48	15.35
Halsey	0.23	0.25	0.33	2.60	3.63	1.37	2.94	2.04	1.74	2.60	0.32	0.92	19.47
Hardy							2.45	6.55	1.75	3.55	0.87	1.68	
Harrison	0.78	0.70	0.87	5.02	4.16	1.35	2.22	1.01	3.51	0.99			
Hartington	1.25	0.90	0.89	1.47	8.20	3.79	1.58	4.58	1.53	2.57	2.28	1.28	30.22
Hastings	1.55	1.35	T.	2.15	2.60	2.59	1.10	1.80	0.75	2.44	1.75	1.73	19.81

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Nebraska—Continued.													
Hayes Center	1.57	2.00	0.81	3.68	4.13	1.47	3.22	2.92	1.12	2.75	0.60	2.03	26.30
Hay Springs	0.60	0.67	2.00	5.05	2.90	1.10	4.59	1.91	2.38	1.13	0.63	1.15	24.11
Hebron	0.50	1.53	0.62	2.75	7.16	2.43	1.43	2.53	2.26	6.49	0.99	1.45	30.14
Hemingford	0.64	0.27	0.80	2.52	1.59	3.46	3.13	2.20	4.08	0.62	0.44	1.03	20.78
Hershey	0.64	0.37	0.36	3.16	2.91	1.85	7.70	1.28	1.02	2.32	0.20	1.35	23.16
Hillside	0.21	0.24	0.51	1.48	1.72	0.75	4.11	3.81	.....	.....	.....	.....	.....
Holdrege	1.16	0.85	0.22	1.23	2.66	0.62	4.71	2.73	0.87	1.05	2.02	2.22	20.34
Hull	0.50	0.75	0.40	1.90	2.99	2.60	2.15	1.45	4.85	0.82	0.60	1.45	20.46
Imperial	1.37	0.96	0.72	2.95	3.70	0.86	2.61	1.99	1.98	3.86	0.21	2.56	23.77
Kearney	1.00	1.02	0.29	1.79	4.01	1.71	3.38	2.70	0.86	1.78	0.94	1.63	21.11
Kimball	1.07	0.50	1.45	3.06	3.21	1.11	2.56	2.55	2.17	0.67	0.30	1.20	19.85
Kirkwood	0.68	0.46	0.25	2.06	3.38	1.12	3.53	2.43	1.26	1.00	0.59	1.50	18.26
Kola	.....	.....	.....	0.38	.....	1.17	2.41	3.71	1.34	1.62	0.27	1.01	.....
Kowanda	0.32	1.55	1.43	1.98	1.73	0.36	2.38	5.21	2.07	0.76	0.02	1.19	19.00
Lexington	1.00	0.80	1.08	2.10	5.89	1.48	1.77	3.56	0.63	4.68	1.54	1.45	25.98
Lincoln	0.58	1.22	0.14	1.89	2.82	2.53	2.51	0.77	2.25	4.80	1.92	0.83	22.26
Lodgepole	0.48	0.28	0.79	3.36	2.14	0.50	4.72	4.24	1.92	0.72	T.	1.34	20.49
Long Pine	0.40	0.50	0.35	1.86	2.92	1.73	3.02	.....	.....	.....	.....	.....	.....
Loup City	0.36	0.20	T.	1.30	6.12	2.36	5.01	1.55	1.30	2.86	1.91	2.15	25.12
McCook	0.66	0.90	0.16	1.65	2.71	0.75	3.57	4.40	1.13	1.52	0.34	1.30	19.09
McCool Junction	1.40	1.20	0.41	1.16	4.04	2.16	2.27	1.68	1.32	3.45	0.88	1.20	21.17
Madison	1.05	0.75	0.35	2.14	3.70	4.60	3.37	1.75	1.56	5.22	1.20	.....	.....
Madrid	0.77	0.81	1.12	2.20	2.83	2.57	3.28	2.21	2.22	2.23	0.28	1.61	22.13
Marquette	0.70	0.53	0.31	1.48	2.45	3.62	3.83	2.04	0.99	2.08	1.48	1.14	20.65
Mary	0.64	0.76	0.57	1.60	3.44	1 59	1.94	2.65	1.31	2.37	0.10	1.24	18.21
Mason City	1.29	0.60	0.09	0.80	.....	.....	1.69	1.65	0.80	3.95	2.11	2.25	.....
Melbeta	0.58	0.40	0.37	2.99	3.23	1.34	1.91	1.28	3.77	0.76	0.60	1.95	19.18
Merriman	0.56	0.28	1.44	2.41	2.53	0.89	3.40	3.48	1.82	0.51	0.52	0.88	18.72
Minden	0.68	0.52	0.61	2.31	2.04	2.09	3.69	2.33	1.01	2.27	1.05	2.72	21.32
Mitchell	1.11	0.27	0.32	4.10	3.24	1.02	3.55	1.68	3.93	0.81	0.35	1.70	22.08
Nebraska City	0.60	1.05	T.	1.69	7.83	2.24	5.11	0.89	1.81	5.77	1.51	0.98	29.48
Neligh	.....	.....	.....	1.35	7.88	2.39	3.10	3.34	1.58	1.23	1.75	0.88	.....
Nelson	0.19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nenzel	0.61	0.43	0.92	2.71	1.98	1.03	6.35	1.40	2.33	0.70	0.12	1.05	19.63
Norfolk	0.71	0.75	0.62	1.92	3.63	2.79	1.84	2.18	1.26	3.59	2.52	1.19	23.00
North Loup	1.08	0.54	0.15	1.30	5.23	4.61	4.18	2.65	0.60	3.89	3.31	1.25	28.79
North Platte	0.54	0.28	0.32	2.51	2.30	2.18	1.88	1.73	0.38	1.43	0.29	1.31	15.15
Oakdale	0.70	0.66	0.34	1.36	4.83	1.69	1.48	2.62	2.00	2.90	1.41	1.06	21.05
Ogallala	0.88	0.15	0.51	2.62	4.48	1.13	2.29	1.59	1.64	1.98	.....	.....	.....
Omaha	0.65	1.05	0.11	1.57	4.08	1.80	1.76	1.14	1.03	4.65	2.89	0.72	21.45
O'Neill	0.77	0.70	.....	.....	.....	.....	.....	.....	.....	.....	0.65	1.21	.....
Ord	0.55	0.50	0.06	1.10	5.44	3.30	1.74	1.94	1.35	1.96	4.18	0.37	22.49
Orleans	0.74	0.60	0.35	2.08	2.42	0.80	3.80	2.46	1.39	2.05	1.30	2.70	20.69
Osceola	0.65	1.05	0 32	1.50	2.35	1.60	.....	1.41	0.67	.....	.....	.....	.....
Oshkosh	0.41	0.45	0 98	3.28	1.63	0.87	4.30	5.28	1.93	1.51	0.14	1.49	22.27
Palisade	0.53	1.61	0 52	4.02	3.13	0.98	7.30	1.56	1.74	1.89	0 20	1.41	24.89
Pawnee City	0.40	1.43	0.41	2.58	5.38	1.32	3.00	4.75	1.65	5.75	2.00	1.75	30.42
Paxton	1.37	0.46	0.15	4.27	2.81	1.38	4.05	3.57	1.73	3.00	0.37	1.36	24 52
Plattsmouth	.....	.....	.....	1.04	2.37	3.45	2.68	.....	.....	.....	.....	.....	.....
Purdum	0.75	0.41	0.39	2.33	4.67	1.65	2.07	2.46	1.47	2.76	0.23	1.71	20.90
Ravenna	0.78	0.40	0.10	1.45	3.84	3.78	4.58	2.07	1.01	3.79	1.64	1.85	25.29
Red Cloud	0.69	0.78	0.86	2.28	5.95	1.87	3.62	3.12	1.34	3.39	1.06	2.01	26.97
St. Paul	0.77	0.50	0.14	1.41	4.09	2.01	2.40	2.51	0.52	3.03	0.78	0.76	18.92
Santee	0.70	0.31	0.61	2.01	5.44	6.06	1.97	4.66	0.43	1.65	2.14	0.75	26.73
Schuyler	1.14	0.50	0.02	1.18	5.08	2.25	1.36	1.19	0.76	3.55	1.60	1.48	20.11
Scottsbluff	0.51	0.20	0.33	3.00	5.40	2.01	2.80	1.63	3.82	0.54	0.69	1.75	22.68
Seward	0.92	1.63	0.27	2.01	5.17	2.00	3.55	0.73	1.89	3.93	1.29	1.40	24.79
Sidney	0.47	0.50	0.54	3.06	2.27	0.42	3.17	2.99	2.08	0.97	0.12	1.41	17.98
Springfield	0.94	1.57	0.15	1.91	3.47	2.52	3.23	0.37	0.83	6.55	3.23	0.67	25.44
Stanton	1.03	1.00	0.00	1.30	3.12	2.63	3.90	.....	0.92	5.93	1.73	1.34	.....
Stratton	0.08	0.46	0.33	2.49	3.77	0.30	0.25	2.33	1.33	1.45	0.20	1.20	20.79
Syracuse	0.85	1.51	0.23	2.95	6.51	4.31	5.59	0.71	1.50	5.86	2.44	1.70	34.16
Table Rock	0.38	1.73	0.19	2.30	4.84	1.67	5.40	3.18	2.30	5.55	1.61	2.23	31.38
Tecumseh	0.39	1.11	T.	2.61	5.93	2.13	3.73	1.47	3.31	5.35	1.51	2.36	29.90
Tekamah	1.75	1.40	0.10	2.29	4.83	4.33	1.84	1.81	0.41	3.78	2.82	0.82	26.18
University Farm	0.58	1.22	0.27	1.79	2.97	2.38	2.48	0.75	2.14	4.66	2.30	0.86	22.40
Upland	0.80	0.60	0.25	2.75	1.96	0.92	6.35	2.83	1.65	1.70	1.90	1.55	23.26
Utica	0.27	0.81	0.47	1.48	4.59	1.59	1.46	1.51	1.52	2.52	1.26	0.80	18.28
Valentine	0.71	0.21	0.93	2.40	1.39	0.32	2.30	1.71	1.89	0.79	0.20	0.80	13.65
Wahoo	1.20	1.35	T.	1.00	7.10	2.77	3.21	1.84	0.68	4.27	3.32	0.37	26.11
Wakefield	0.70	0.80	0.42	1.65	5.41	3.19	2.70	3.44	0.85	3.56	2.12	1.14	25.98
Walthill	0.76	0.76	0.50	1.47	5.34	2.83	1.65	1.85	0.68	4.43	2.07	1.01	23.35
Watertown	1.00	0.60	0.28	1.20	4.07	1.43	4.96	4.40	0.79	5.06	1.47	2.50	27.76
Wauneta	0.57	0.48	0.60	3.08	3.03	0.30	2.50	3.33	1.35	2.02	0.19	1.68	19.13
Weeping Water	0.46	1.24	0.21	2.20	3.77	1.33	4.59	0.42	1.37	5.20	2.93	1.08	24.80
West Point	2.19	1.33	0.20	3.19	7.57	3.49	2.86	2.19	1.14	7.94	2.16	1.26	35.52
Whitman	0.70	0.70	1.35	.....	.....	2.00	2.70	3.41	.....	.....	.....	.....	.....
Wisner	1.43	1.32	0.12	1.40	3.63	4.85	2.67	1.90	0.72	5.12	2.74	1.07	26.97
York	1.20	1.11	0.47	0.91	4.62	1.54	1.29	2.56	1.40	2.73	1.61	1.02	20.46
Nevada.													
Arthur	2.60	2.71	2.03	T.	0.72	1.37	0.29	0.32	0.90	1.85	0.72	0.93	14.44
Austin	1.62	1.43	0.92	1.32	1.89	3.14	0.00	0.14	0.77	0.54	2.00	1.41	15.28
Battle Mountain	0.08	.....	T.	0.30	0.20	0.02	T.	0.02	0.04	0.04	0.40	0.55	.....
Beatty	0.08	1.03	1.88	0.40	0.33	0.29	0.10	0.37	0.44	0.27	0.15	1.08	6.37
Beowawe	1.05	0.70	0.16	0.21	0.35	1.50	.....	.....	0.68	0.20	0.52	0.69	.....
Clover Valley	2.87	1.19	0.73	0.28	0.59	1.15	0.52	0.21	0.45	1.23	0.65	0.84	10.71
Duck Flat	0.27	0.86	0.82	0.08	1.17	0.00	0.00	0.00	0.94	0.63	0.50	0.37	5.64
Elko	1.36	1.85	0.17	0.55	0.10	1.70	0.10	0.30	0.40	0.90	0.80	0.50	8.73
Eureka	1.00	1.39	2.30	1.45	1.46	1.97	0.66	0.73	2.04	1.76	0.46	1.07	16.29
Fallon	0.17	0.51	0.62	0.84	0.28	0.79	0.44	T.	1.50	0.62	0.23	0.40	6.40
Franktown	4.68	1.89	.....	.....	.....	.....	.....	0.00	3.29	0.85	.....	0.54	.....
Gardnerville	0.08	3.79	2.81	0.02	0.03	0.08	0.00	0.02	1.53	0.44	0.31	0.25	9.36
Gerlach	0.05	0.25	0.29	0.08	0.10	0.02	0.00	0.00	1.37	0.98	0.32	0.14	3.60
Golconda	0.16	.....	2.04	0.40	1.03	0.85	T.	0.25	1.22	0.73	0.72	0.63	.....
Gold Creek	1.95	0.90	0.21	.....	.....	.....	.....	.....	.....	.....	.....	1.21	.....

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Nevada—Continued.													
Goldfield	0.04	1.04	2.08	0.00	0.64	2.83	0.96	0.45	0.54	0.77	0.03	0.63	10.01
Hylton	2.07	1.20	1.41	0.72	0.74	1.19	1.11	0.00	1.64	2.27	1.52	1.13	15.00
Imlay	0.49	0.50	1.93	0.56	1.13	1.15	T.	0.28	1.70	1.65	0.52	0.52	10.43
Jungo	0.02	0.41	0.05	0.02	0.05	0.04	0.00	0.00	1.30	0.75	.....	0.24	.....
Lahontan	0.16	0.55	0.26	0.40	0.10	.....	T.	.....	.....	.....	0.25	0.36	.....
Lamoille	1.81	2.21	1.81	1.08	1.36	1.67	0.59	0.19	1.99	1.75	2.05	0.66	17.17
Las Vegas	0.00	0.71	2.63	.....	T.	0.67	0.82	0.54	1.05	0.28	0.53	1.35	.....
Lemmons Valley	0.30	1.38	1.91	0.10	0.06	0.20	0.00	T.	3.04	0.97	0.49	0.46	8.91
Logandale	0.09	1.10	2.08	0.00	T.	0.30	0.41	0.75	0.06	0.43	0.12	1.87	7.21
Lovelock	0.36	0.92	0.71	0.54	0.32	0.99	.....	0.02	1.20	1.12	0.39	0.13	.....
McDermitt	0.55	0.68	1.49	0.10	0.35	0.95	0.00	0.05	1.40	0.92	0.80	0.48	7.77
McGill	0.86	2.13	1.04	0.96	2.49	3.25	0.95	0.18	1.15	1.36	0.94	0.90	16.21
Mahoney Ranger Station	2.38	1.15	1.15	1.30	2.15	0.68	0.54	1.40	2.20	2.48	1.03	1.23	17.69
Marlette Lake	1.29	9.01	7.45	0.74	0.32	0.17	0.00	0.06	3.06	2.30	2.46	1.59	28.45
Metropolis	0.66	0.80	T.	0.30	0.32	0.65	0.11	0.10	0.75	.....	.....	0.90	.....
Millett	0.34	0.53	0.41	0.00	0.17	3.36	0.41	0.57	0.55	0.77	0.65	0.91	8.67
Mina	T.	1.01	0.29	0.05	0.20	1.29	0.14	0.27	0.71	0.55	T.	0.31	4.82
North Fork	0.45	0.23	0.64	0.47	0.83	1.68	T.	0.68	2.03	1.37	0.43	0.24	9.05
Oasis Ranch	T.	1.15	0.50	0.00	0.05	0.75	T.	T.	0.04	0.08	T.	0.05	2.62
Owyhee	2.83	1.55	1.61	1.02	.....	.....	.....	0.76	1.88	1.26	1.34	1.66	.....
Pahrump	0.13	1.15	1.83	.....	0.37	.....	.....	.....	.....	.....	.....	2.25	.....
Paradise Valley	0.64	1.08	0.62	0.26	0.37	1.17	.....	.....	1.97	1.10	0.28	0.13	.....
Potts	0.32	0.64	0.20	0.48	0.25	1.15	T.	0.01	0.75	.....	0.48	0.36	.....
Quinn River Ranch	0.40	0.50	1.28	0.05	0.50	0.36	T.	T.	1.02	.....	0.58	0.10	.....
Rebel Creek	0.70	1.13	1.68	0.46	0.81	0.44	.....	.....	.....	1.82	0.92	0.27	.....
Reno	0.13	1.73	2.51	0.16	0.25	0.14	T.	T.	2.41	0.75	0.37	0.40	8.85
Sand Pass	0.13	1.05	1.52	0.06	0.15	0.25	T.	T.	1.89	0.85	0.71	0.14	6.75
San Jacinto	1.26	0.36	0.16	0.30	1.19	1.72	0.48	T.	0.96	1.25	0.42	0.37	8.47
Searchlight	0.00	0.55	3.71	T.	0.07	0.33	2.03	0.57	1.65	0.51	0.15	2.25	11.82
Sharp	.....	.....	.....	.....	.....	.....	.....	.....	1.72	1.19	0.28	1.95	.....
Smith	0.13	1.41	0.96	0.13	0.15	0.78	2.50	T.	1.08	0.21	0.32	0.67	9.34
Sulphur	.....	0.08	0.10	.....	0.50	0.43	T.	0.00	1.69	1.15	0.16	0.28	.....
Tecoma	1.04	1.04	0.00	0.08	0.16	0.15	0.75	0.00	0.11	0.91	0.32	0.06	4.62
Thorne	0.02	.....	T.	.....	.....	.....	.....	T.	1.50	T.	0.07	0.32	.....
Tonopah	0.22	0.39	0.57	T.	0.34	0.85	0.73	0.23	0.65	0.52	0.13	0.74	5.37
Tuscarora	.....	.....	.....	.....	.....	.....	.....	0.40	3.50	1.55	1.23	0.66	.....
Vya	1.00	1.09	1.76	0.25	0.50	1.10	0.00	0.00	1.24	0.89	0.05	0.47	8.35
Winnemucca	1.04	0.79	1.95	0.52	0.77	1.33	0.27	0.37	1.53	0.45	0.77	0.50	10.29
Yerington	0.05	0.69	0.76	0.60	0.21	0.96	0.00	0.09	1.20	0.80	0.12	1.35	5.83
New Hampshire.													
Alstead Center	2.43	1.84	1.82	2.54	4.80	3.61	1.56	2.89	8.55	2.09	2.47	2.74	37.34
Berlin	3.09	3.67	2.03	1.79	1.98	3.08	2.24	4.13	6.03	5.08	2.62	2.83	38.57
Bethlehem	1.83	1.90	1.28	1.71	3.56	3.12	1.72	4.11	7.91	6.14	2.06	.....	.....
Concord	1.65	1.82	1.26	2.26	2.43	2.77	1.74	3.97	6.96	1.14	2.34	3.52	31.86
Durham	2.05	1.90	1.21	1.37	2.41	2.74	5.24	3.25	6.43	0.73	1.39	2.49	31.21
Franklin	3.14	2.34	2.31	2.32	1.84	3.08	2.95	3.92	8.25	2.71	2.34	3.25	39.05
Glencliff	2.61	2.56	2.35	2.03	4.17	4.19	2.06	6.30	6.96	5.78	2.57	3.29	44.87
Grafton	.....	.....	.....	.....	.....	2.33	.....	.....	.....	.....	.....	.....	.....
Hanover	2.21	1.85	1.44	2.41	3.54	4.04	1.59	4.53	6.18	2.92	1.56	2.25	34.52
Keene	2.78	2.16	1.95	2.84	4.65	3.69	2.53	2.64	7.01	1.52	2.21	3.39	37.37
Newton	2.58	2.09	1.80	2.38	1.82	3.31	4.00	3.11	7.04	1.24	2.80	.....	.....
Pittsburg	1.38	2.04	1.74	1.57	4.01	3.10	4.24	2.99	6.97	8.74	4.05	4.45	45.28
Plymouth	1.95	2.46	1.26	2.09	2.30	4.00	2.44	4.10	7.57	3.28	2.42	3.17	37.04
New Jersey.													
Asbury Park	3.73	1.03	2.19	4.70	5.68	.....	4.17	.....	3.63	0.93	1.42	3.79	.....
Atlantic City	4.34	1.34	2.36	4.53	3.81	1.94	1.84	1.38	2.66	1.43	0.49	4.02	30.14
Belvidere	4.93	2.96	2.70	5.43	6.39	3.71	4.11	0.61	6.00	1.71	1.98	4.54	45.07
Bergen Point	3.80	1.89	1.37	3.49	4.73	4.58	3.02	.....	3.36	1.26	1.77	3.91	.....
Boonton	.....	3.20	1.58	3.95	3.61	3.69	2.39	1.65	3.60	0.98	2.53	4.13	.....
Bridgeton	4.21	1.48	3.76	3.53	4.37	1.35	5.79	3.29	4.20	1.78	1.44	3.94	39.14
Burlington	3.82	1.52	2.35	3.87	7.03	3.93	4.05	1.63	4.86	1.13	1.91	4.52	40.62
Cape May	3.54	1.17	3.48	2.94	3.16	2.62	1.20	0.48	3.41	1.56	0.73	3.55	27.84
Charlottsburg	4.01	2.74	2.02	4.80	5.52	2.57	2.82	2.26	4.50	1.56	3.05	4.48	40.33
Chatham	3.80	3.35	1.76	3.93	5.24	3.91	4.04	1.77	.....	.....	.....	.....	.....
Clayton	6.14	1.59	2.82	3.55	6.58	2.32	4.10	0.34	3.57	1.28	1.76	4.19	38.04
Culvers Lake	3.76	2.45	.90	4.93	3.68	3.82	2.54	2.32	5.46	1.45	2.65	3.89	38.85
Dover	4.85	3.41	1.83	4.60	4.94	4.10	1.81	1.32	3.91	1.47	2.82	4.80	39.86
Elizabeth	3.74	2.94	1.60	4.13	4.67	5.73	3.23	1.71	3.17	0.93	1.90	3.94	37.69
Flemington	4.42	3.03	1.71	3.43	4.39	6.21	2.04	0.91	3.22	1.54	2.13	4.33	37.36
Hammonton	4.76	1.21	3.38	4.16	6.09	2.83	3.91	2.20	4.03	1.24	1.26	3.65	38.82
Highwood	3.77	2.62	1.60	3.44	4.30	2.93	4.07	1.66	3.13	0.96	2.28	3.60	34.36
Hightstown	.....	.....	.....	3.62	7.59	4.86	.....	.....	.....	.....	.....	.....	.....
Imlaystown	3.65	1.26	.....	3.28	.....	.....	.....	.....	.....	.....	.....	.....	.....
Indian Mills	5.10	1.45	3.08	3.55	5.54	1.94	7.44	2.87	3.58	1.03	1.55	4.00	41.13
Jersey City	3.82	2.39	1.79	4.58	4.66	4.52	4.54	2.38	3.10	0.96	2.10	3.51	38.35
Lakehurst	.....	.....	.....	.....	.....	.....	.....	.....	3.10	0.88	1.51	.....	.....
Lakewood	4.52	1.25	2.41	4.77	6.86	2.96	5.63	1.41	3.84	1.05	1.45	3.47	39.62
Lambertville	.....	3.07	1.70	4.00	4.40	.....	2.02	1.64	2.93	2.03	2.16	.....	.....
Layton	4.39	1.89	1.19	5.57	4.56	3.49	3.16	3.55	5.67	2.17	2.69	3.49	41.82
Little Falls	4.01	2.86	1.61	3.76	3.73	3.47	4.40	2.52	2.91	0.92	2.09	3.24	35.52
Long Branch	5.45	1.91	1.61	4.03	4.15	5.37	13.60	0.53	4.90	1.49	3.01	4.94	51.49
Moorestown	3.22	1.15	2.57	3.88	7.49	2.29	3.33	4.25	5.44	1.12	1.56	3.77	40.07
Newark	3.56	2.19	1.32	2.88	4.69	5.36	3.23	2.94	2.82	0.80	1.88	4.02	35.69
New Brunswick	3.01	2.69	1.77	3.11	5.11	4.34	4.54	2.55	3.32	1.30	2.17	3.49	37.40
Newton	3.52	2.13	0.99	5.79	4.30	4.38	.....	1.64	3.34	1.23	1.62	3.97	.....
Northfield	4.06	1.06	2.48	4.04	4.82	1.75	1.57	1.28	3.49	1.47	0.72	3.72	30.46
Palisades Park	4.07	2.79	1.65	3.58	3.78	3.80	4.67	3.41	2.74	0.97	2.15	3.77	37.38
Paterson	3.75	2.35	1.08	3.74	2.81	2.23	5.22	1.10	3.82	0.79	2.17	3.21	33.27
Philipsburg	4.31	2.99	1.69	4.60	4.83	4.88	5.28	1.68	4.05	1.03	1.95	4.40	41.69
Pleasantville	4.96	1.44	2.59	5.15	5.28	1.50	1.86	1.48	3.91	1.12	0.92	3.77	33.98
Pompton Plains	4.09	3.19	1.81	4.05	4.18	3.30	3.89	1.60	5.40	1.07	2.57	4.05	39.20
Sandy Hook	3.54	1.73	1.69	3.46	2.74	3.30	4.93	0.66	3.22	0.74	1.37	3.38	30.76
Somerville	3.36	2.67	1.91	3.94	6.07	4.70	1.30	1.87	4.30	1.04	2.34	4.13	37.63

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
New Jersey—Continued.													
South Orange	2.78	2.40	1.58	3.15	4.75	4.03	3.46	2.82	3.71	1.24	2.71	4.20	36.83
Trenton	3.00	1.84	2.02	3.25	4.37	3.78	4.97	2.52	3.20	0.74	1.85	3.86	35.40
Tuckerton	6.00	1.20	2.51	4.91	5.80	1.43	2.42	0.47	4.37	2.36	1.16	4.08	36.71
Vineland	4.80	1.16	2.64	3.83	5.85	1.56	7.59	0.94	.....	1.24	0.98	3.23	.....
Woodbine	5.16	1.41	2.42	.....	3.92	2.00	3.15	1.88	.....	.....	.....	.....	.....
New Mexico.													
Abbott	0.84	0.31	1.46	0.34	0.78	1.65	2.34	3.79	2.91	1.89	0.41	1.47	18.19
Agricultural College	0.41	0.08	T.	T.	0.05	0.69	1.02	1.64	0.05	0.98	1.43	0.88	7.23
Alamogordo (No. 1)	1.27	0.19	0.23	T.	T.	0.78	1.37	1.22	0.14	3.60	1.46	1.21	11.47
Alamogordo (No. 2)	0.82	0.25	0.22	0.00	T.	0.91	0.58	1.20	0.08	2.97	1.60	1.11	9.75
Alamos Ranch	1.68	0.52	0.98	.....	.....	.....	0.85	2.77	0.71	2.38	1.14	1.73	.....
Albuquerque	0.29	0.31	0.98	0.33	0.49	0.34	0.95	1.46	0.15	1.79	0.24	0.30	7.63
Alma	0.85	0.46	0.63	T.	0.55	1.17	1.62	1.03	0 36	1.58	1.80	2.39	12.44
Ancho	0.90	0.34	0.29	0.00	0.25	0.24	1.65	1.67	0.44	3.28	1.87	1.32	12.25
Anchor Mine	3.55	4.08	3.08	2.30	1.50	1.89	4.39	4.12	3.02	1.39	1.56	3.09	33.87
Aragon	2.20	1.79	0.48	0.00	0.10	0.25	2.00	1.75	0.10	1.55	1.76	1.25	13.23
Artesia	0.87	0.00	T.	T.	0.78	0.52	0.48	1.42	0.29	1.48	1.22	0.45	7.51
Aspen Grove Ranch	1.88	2.80	2.64	0.40	0.74	1.33	3.24	2.13	1.21	2.47	2.26	2.45	23.55
Aurora	1.65	1.43	2.09	0.96	0.73	2.03	3.42	3.39	2.03	2.36	0.41	1.86	22.36
Aztec	0.83	0.71	1.02	0.07	T.	0.40	0.79	0.10	0.58	0.61	0.66	0.81	6.58
Baca Ranch Ranger Station	1.01	0.07	0.18	T.	0.32	1.15	3.34	1.61	1.20	2.43	0.52	.....	.....
Baldwin Ranger Station	.....	0.02	0.04	.....	.....	0.06	1.50	.....	0.00	1.50	2.52	1.69	.....
Barton	1.30	0.62	1.32	0.34	0.60	0.32	0.93	1.74	0.35	3.02	1.62	3.18	15.34
Batemans Ranch	3.96	3.19	5.31	0.59	0.25	2.77	2.96	2.65	1.67	2.60	3.39	2.15	31.49
Bell Ranch	0.50	0.50	0.62	1.02	0 11	0.91	3.25	1.81	1.86	2.91	0.50	2.02	16.01
Black Lake	1.51	1.24	1.91	0.38	0.89	2.67	4.34	2.42	1.41	1.95	0.38	0.93	20.03
Black Rock	1.45	0.77	0.40	0.25	0.13	0.49	2.16	2.00	0.09	1.14	0.94	0.64	10.46
Bland	1.47	1.16	0.72	0.48	0.48	0.69	2.64	2.38	0.93	2.49	2.04	2.84	18.32
Block Ranch Ranger Station	0.92	0.20	0.10	0.25	.....	0.30	2.86	2.35	1.43	1.92	.....	.....	.....
Bloomfield	0.94	0.97	1.21	0.08	0.07	1.44	0.90	0.52	0.50	0.88	0.94	0.94	9.39
Bluewater	0.85	0.82	0.48	0.04	.....	.....	.....	1.15	0.88	.....	.....	.....	.....
Boaz	0.39	T.	0.06	0.13	1.24	0.39	0.95	0.52	1.30	1.31	1.16	1.17	8.62
Buchanan	0.51	0.21	0.06	0.22	0.33	1.39	1.45	2.78	1.27	2.09	1.13	1.84	13.28
Burrache Ranger Station	.....	2.10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cabeza	0.73	0.32	0.30	0.44	0.15	0.70	2.34	1.44	1.40	2.69	0.56	1.86	12.93
Cambray	1.16	0.04	0.08	0.00	0.05	0.00	2.82	3.01	0.00	1.25	1.54	1.33	11.28
Campana	0.43	0.08	0.36	1.33	0.08	2.12	1.97	2.58	1.15	2.58	0.70	1.75	15.13
Camp Cody	.....	.....	.....	.....	.....	.....	.....	1.03	0.04	1.82	1.54	0.45	.....
Capitan	2.25	0.12	0.02	0.01	0.04	0.83	5.55	2.92	0.42	3.11	0.82	1.93	18.02
Capulin Ranger Station	1.07	1.93	2.56	0.24	0.42	1.48	4.06	1.88	0.83	1.08	1.56	1.25	18.36
Carlsbad	0.57	0.00	T.	0.00	0 38	0.16	1.43	1.35	0.25	1.60	1.69	0.43	7.86
Carrizozo	0.84	0.34	0.22	T.	T.	0.05	2.89	2.02	0.00	3.47	0.59	1.21	11.63
Carson Seep Ranger Station	1.85	0.03	0.23	T.	0.27	0.28	3.86	4.09	1.07	2.20	2.87	2.14	18.89
Chacon	2.11	1.53	3.18	2.19	0.00	3.00	3.40	2.02	.....	2.59	1.32	2.47	23.81
Chama	3.07	2.69	3.31	0.60	0.39	1.47	3.49	1.51	0.78	1.00	0.98	1.94	21.23
Cimarron (near)	1.03	1.46	1.50	0.50	0.41	2.31	2.28	2.06	1.81	4.11	0.54	1.22	19.23
Clayton	0.60	0.28	3.05	1.48	3.12	0.83	3.44	2.64	1.35	3.39	0.49	1.86	22.53
Cloudcroft	3.51	1.08	1.25	T.	T.	2.56	4.57	7.47	0.39	2 64	3.05	2.00	28.52
Cloverdale	2.09	1.06	0.47	0.00	0.25	1.22	1.64	0.62	0.93	0.41	1.38	1.79	11.86
Clovis	0.25	0.06	0.20	0.95	2.07	1.54	2.66	2.50	1.36	2.99	0.70	1.18	16.46
Columbus	1.03	0.40	0.21	0.00	0.00	0.00	0.46	0.75	0.00	1.24	1.85	1.68	7.62
Corona	1.23	0.45	0.04	T.	0.15	1.10	2.66	1.25	0.35	2.05	1.21	1.32	11.81
Crown Point	0.50	0.60	0.30	0.50	0.00	0.55	0.75	0.00	0.10	0.60	0.60	0.50	5.00
Crozier	0.22	.....	0.42	0.14	0.00	0.30	0.41	1.78	0.00	1.06	.....	0.75	.....
Cuervo	0.45	0.20	0.24	0.27	T.	1.50	3.10	2.25	1.00	1.50	0.90	2.90	14.31
Cundiyo	0.46	0.22	0.14	0.46	0.05	0.54	1.80	1.37	1.04	1.59	0.15	1.60	9.42
Dawson	2.63	0.43	0.53	0.12	0.02	0.57	3.42	1.25	0.50	2.13	1.16	0.57	13.33
Deming	0.29	0.06	0.00	T.	0.12	0.32	0.71	1.99	0.00	0.60	1.12	0.28	5.49
Demonstration Farm	1.19	0.42	0.36	0.35	0.51	1.68	2.27	1.94	1.79	1.89	0.66	1.85	14.91
Des Moines	0.42	0.95	2.20	3.15	2.55	1.66	3.81	1.83	4.04	1.17	1.16	2.18	25.12
Dulce	1.89	1.10	2.72	1.06	T.	1.95	2.65	2.11	1.07	1.07	2.42	2.48	20.52
Duran	0.96	0.32	0.08	0.42	0.04	1.15	3.12	3.55	0.74	2.14	1.04	2.18	15.74
Eagle Rock Ranger Station	1.12	1.12	1.64	.....	.....	0.70	3.92	1.37	1.54	1.24	0.55	2.19	.....
Elephant Butte Dam	0.48	0.23	0.02	0.00	0.28	0.67	0.63	3.99	0.33	2.34	0.62	1.17	10.76
Elida	0.30	0.00	0.00	0.39	0.82	1.10	1.74	4.04	0.67	1.83	0.38	0.80	12.07
Elizabethtown	2.03	2.28	3.45	0.52	0.44	1.00	3.60	1.81	1.99	1.32	0.70	1.00	20.14
Espanola	0.64	0.60	1.15	1.03	0.14	0.79	0.79	1.62	0.71	1.96	0.34	1.28	11.05
Estancia	1.05	0.35	0.73	0.33	.....	.....	.....	.....	.....	.....	.....	.....	.....
Farmington	.....	0.97	1.05	T.	0.00	0.48	0.52	0.95	0.80	0.60	0.60	0.80	.....
Felix	0.79	0.00	0.00	.....	.....	0.25	4.20	4.00	1.45	1.30	.....	0.60	.....
Fort Bayard	1.40	0.42	0.35	0.01	0.80	1.27	3.13	4.44	0.84	2.15	1.62	1.94	18.37
Fort Stanton	1.09	0.11	T.	0.02	0.30	0.53	4.32	4.10	0.77	2.40	0.35	1.18	15.17
Fort Sumner	1.19	T.	0.20	0.52	0.49	3.17	0.17	2.66	1.10	3.09	3.12	3.97	20.22
Fort Union	0.48	0.80	0.67	0.33	0.45	2.30	2.88	3.52	2.15	2.17	0.95	1.08	17.78
Fruitland	0.54	0.91	0.97	0.30	T.	0.23	0.90	0.36	0.30	0.65	0.48	0.91	6.55
Gage	0.97	0.23	0.00	T.	.00	0.86	1.86	0.99	0.00	1.28	1.80	1.15	9.14
Gallinas Planting Station	1.29	1.06	1.19	1.24	1.29	3.37	4.03	2.00	2.08	2.17	0.68	2.81	23.21
Gallinas Ranger Station	1.12	0.21	0.23	0.09	0.72	1.32	4.26	1.44	1.44	2.24	2.05	1.75	16.87
Gallup	.....	.....	.....	.....	.....	.....	.....	.....	0.32	1.75	0.65	1.14	.....
Gila	0.95	0.70	0.53	T.	1.21	.....	.....	.....	.....	.....	.....	.....	.....
Gila Planting Station	1.74	0.83	0.35	T.	0.69	1.10	2.60	3.96	0.75	1.50	1.75	2.44	17.71
Glorieta Ranch	0.47	0.56	0.22	T.	0.49	0.16	0.27	2.74	0.27	2.32	1.69	2.56	11.75
G. O. S. Ranch	1.45	1.02	0.47	0.21	0.58	2.03	.....	.....	.....	.....	.....	.....	.....
Grogans Ranch	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.40	1.66	.....	.....
Hachita	0.74	0.54	T.	0.00	0.10	0.38	1.43	0.69	0.17	1.10	1.16	0.38	6.68
Harvey's Upper Ranch	3.06	1.24	2.11	1.42	2.89	2.22	5.26	5.29	2.18	2.89	1.92	3.19	33.67
Hayden	0.32	0.05	1.62	1.80	1.17	1.27	2.95	1.09	0.74	2.98	0.55	2.31	16.85
Haynes	2.42	0.69	0.70	T.	0.50	.....	.....	.....	.....	.....	.....	.....	.....
Hermanos	1.85	0.16	0.06	0.00	0.00	0.39	0.76	1.18	6.15	0.91	1.52	1.15	8.13
Hermosa	1.04	1.31	0.38	0.15	0.53	1.15	1.83	4.63	0.26	2.95	1.95	1.70	17.88
Hobbs	0.82	0.05	T.	0.07	1.55	5.67	0.66	0.99	0.22	1.30	0.82	0.85	13.00
Hollene	.....	.....	.....	.....	.....	.....	0.68	1.05	1.32	.....	.....	.....	.....
Hondo Reservoir	0.48	.....	T.	T.	0.89	.....	.....	1.90	0.61	.....	.....	.....	.....
Hood Ranger Station	1.60	1.49	1.56	0.00	0.74	0.87	3.04	1.25	0.37	1.92	1.85	3.63	18.32

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
New Mexico—Continued.													
Hoosier Ranch	0.18	0.16	0.90	0.94	0.19	0.58	3.21	2.98	0.80	1.95	0.54	1.95	14.38
Ione	0.25	T.	0.60	1.05	1.83	1.95	2.80	1.39	1.24	3.51	1.13	2.69	18.44
Jemez Springs	1.66	1.59	1.07	0.97	0.05	1.70	3.14	1.88	0.72	2.29	1.53	1.88	18.48
Johnsons Park											0.43		
Kappus		0.05	0.51	0.91	0.77	2.64	3.23	2.96	1.49	2.34	0.89	1.61	17.40
Kingston Ranger Station	1.57	0.86	0.40	0.00	0.86	0.63	3.13	5.13	0.04	1.83	2.10	2.14	18.69
Knowles	0.35	T.	T.	T.	0.78	0.61	1.05	1.16	0.36	1.60	0.58	0.85	7.34
Laguna	0.42												
Lagunita	0.55	T.	0.30	0.31	0.17	0.51	1.93	0.65	0.40	2.28	0.98	2.18	10.26
Lake Alice	1.07	0.60	5.15	1.87	T.	0.99	4.83	1.89	3.89	2.44	0.54	0.90	24.17
Lake Avalon	0.40	0.00	0.00	0.00	0.00	0.26	0.91	2.05	0.20	0.80	1.78	0.51	6.91
Lake Valley	0.88	0.51	0.50	T.	0.66	1.21	2.40	4.34	0.32	1.92	1.32	1.25	15.31
Lakewood (near)	0.57	0.00	0.00	T.	0.16	0.55	1.71	2.01	0.28	0.70	0.98	0.58	7.54
Lanark	0.27	0.04	0.09	0.00	0.05	2.20	1.10	2.28	0.00	2.20	0.87	1.42	10.52
Las Vegas	1.43	0.42	0.67	0.50	0.49	0.57	2.72	2.32	1.88	2.50	0.74	2.13	16.37
Logan				1.10	1.63	0.99	4.37	1.27					
Lordsburg		0.37	0.21	0.01	T.	T.	T.	0.50		0.30	0.10		
Los Lunas (near)	0.56	0.05	0.58	0.00	1.09	0.30	1.06	1.99	T.	3.16	0.85	0.30	9.94
Loving	0.83	T.	0.03	0.00	0.28	T.	1.65	2.28	0.30	0.62	2.77	0.23	8.99
Luna	3.30				0.81	1.30	2.65				1.25	2.92	
Magdalena		0.19	0.24	0.08	0.81	0.37	3.23		T.	1.41	1.16	0.79	
Maxwell (near)	0.25	0.14	0.89	0.99	0.38	2.90	3.60	4.21	2.95	0.81	0.13	0.59	17.84
Mayhill Ranger Station	1.84	0.32	0.25	0.13	0.25	0.91	3.18	5.88	1.00	2.95	1.52	0.84	18.57
Meek	1.58	0.23	0.12	0.51	0.44	1.01	3.06	6.23					
Melrose	0.52	0.12	0.13	0.65	0.93	1.73	2.32	1.43	1.02	3.11	1.80	1.62	15.38
Mescalero				0.05	0.33	0.90	4.48	3.36	0.51	3.28	1.88	1.77	
Miami Ranch	0.62	1.04							2.31	1.98	0.86	1.73	
Mills (No. 1)		0.58	1.85	0.25	0.70	1.75	3.74	6.53	1.95	2.29		1.53	21.17
Mills (near)	0.50	0.55	1.71	0.90	0.55	2.85	3.70	4.70	1.55	2.00			
Mimbres	1.39	1.06	0.28	0.00	0.15	1.55	2.40	4.21	0.10	1.50	1.21	1.35	15.20
Mineral Hill	1.73	0.55	0.64	1.05	0.53	1.14	4.45	1.69	1.29	2.04	0.86	1.85	17.82
Mogollon Ranger Station	2.10	2.17	1.86	0.04	0.83	2.36	2.77	1.36	1.42		4.22	4.17	
Montoya	0.18	0.30	0.06	0.85	T.	0.70	1.30	1.30	0.25	1.73	0.53	2.97	10.19
Moriarty (near)	0.87	0.15	0.30	0.13	0.20	0.59	1.55	1.50	0.11	1.84		1.00	
Mosquero	0.19	0.15	0.97	0.43	0.50	0.58	2.53	5.48	0.80	3.28	0.96	2.00	17.87
Mountainair	1.64	0.89											
Mountain Park	2.48	0.86	1.27	0.04	T.	1.55	4.19	3.71	0.62	4.48	1.98	1.96	22.14
Nara Visa	0.14	T.	0.61	1.13	1.46	1.95	2.36	1.42	0.79	3.33	0.80	1.65	15.64
Newman	0.30	T.	T.	0.00	0.00	1.20	1.04	T.	0.00	1.06	1.04	0.96	5.60
Nogal (near)	3.13	0.71	0.79	0.65	0.46	0.98	7.28	4.54	0.70	4.16	1.72	2.86	27.98
Noria	0.51	0.08	0.04	0.00	0.55	0.41	2.32	1.66	0.03	1.01	1.43	1.45	9.49
Oro Grande	0.09	T.	0.00	0.00	0.00	1.02	0.85	0.66	0.80	0.80	0.43	0.53	6.08
Oscura (No. 1)	0.50	0.07	0.32	T.	0.03	0.59	1.84	1.16	0.41	4.13	0.67	1.20	10.92
Oscura (No. 2)	0.87	0.07	0.72	T.	T.	0.10	1.82	1.99	0.36	3.02	1.30	1.26	11.51
Palma	0.90	0.09	0.01	0.47	0.18	2.15	1.63	0.14	0.00	2.05	1.18	2.90	11.70
Palo Verde	0.44	0.29	1.96	0.73	0.30	0.34	2.37	3.16	1.56	1.93	0.67	1.45	15.10
Pasamonte	0.39	0.25	3.15	0.45	1.10	0.85	4.37	3.67	1.45	1.87	0.43	0.81	18.79
Pastura	0.51	T.	T.	0.25	0.00	0.58	0.80	2.48	2.17	1.12	0.46	1.10	9.47
Pearl (near)	1.45	0.17	0.00	0.00	0.82	0.13	1.33	0.69		1.39	1.71	0.40	
Pecos	2.06												
Pinon (near)	1.48	0.15	T.	T.	0.15	1.11	2.90	2.01	0.85	1.62	1.25	2.21	13.73
Pinos Altos (near)	3.30	1.71	0.77	0.24	0.85	1.70	4.39	4.82	0.56	2.10	3.03	2.76	26.23
Plainview (near)				0.04	1.32	1.62	0.56	4.66	0.96	1.50			
Pleasant View	0.40	0.15	1.60										
Portales (near)	0.46	0.03	0.04	1.14	1.45	0.54	1.80	4.32	0.89	2.45	1.19	1.74	16.05
Quemado						0.16	4.85	1.08	0.48	1.75	1.49	1.22	
Raton (near)	0.77	1.02	1.24	0.69	0.04	1.73	3.41	1.33	3.22	2.23	0.66	0.66	17.00
Red River Canyon	2.57	2.06	2.96	0.70	0.93	1.84	3.77	2.16	2.35	1.78	0.85	1.81	23.78
Redrock	1.06	1.94	0.58	0.07	0.59	0.15	1.35	3.23	0.16	0.93	2.00	2.77	14.83
Regina	2.09	3.50		0.36	T.	1.99	2.40						
Richland (near)	0.24	0.00	T.	0.17	0.50	0.16	1.78	1.03	0.41	1.65	0.54	0.45	6.98
Rincon	0.24	0.20	0.00	0.00	0.27								
Rio Grande Industrial School	0.28	0.25	0.62	0.00	0.48	0.14	1.80	1.10	0.70	2.96	0.20	0.35	8.88
Rociada	2.04	1.22	1.06	1.82	0.72	2.03	4.13	3.05	0.95	2.38	1.56	2.85	23.81
Rodeo	0.60	0.47	T.	0.00	1.05	0.10	1.00	0.92	0.00	0.65	1.02	1.15	6.96
Rosedale	0.68	1.10	0.20	0.25	0.54	1.56	2.07	3.76	0.75	1.96	2.55	1.71	17.13
Roswell (Weather Bureau)	0.73	0.02	T.	0.07	0.59	0.29	1.47	1.40	1.16	0.79	1.70	0.96	9.18
Roswell (No. 2)					0.56	0.24	2.61	1.46	1.18	1.10	1.89	0.99	
Roy	0.59	0.32	1.52	0.82	T.	0.37	0.84	3.51	2.08	1.40	0.81	3.15	15.41
Saint Vrain (near)	0.22	0.01	0.16	0.46	1.25	0.91	3.48	1.79	1.13	3.03	0.98	2.63	16.05
San Antone Ranger Station	1.38	1.28	2.27	0.10	0.28	1.02	2.77	1.42	0.46	0.76	1.34	1.83	14.91
San Jon	0.19	0.02	0.23	1.12	0.38	1.87	3.35	0.48	1.35	2.86	1.13	1.88	14.86
San Marcial		T.	T.	0.05	0.50	0.90	1.40	0.70	0.05		0.80	1.22	
San Mateo				0.29	0.11	1.68	1.43	1.07	0.56				
Santa Fe	1.63	1.14	1.46	0.72	1.02	0.68	2.42	0.82	0.76	2.73	0.63	1.24	15.25
Santa Rosa	0.20	0.00	T.	0.18	T.	T.	2.40	2.88	0.63	1.80	0.69	1.35	10.13
Schuster Springs Ranger Station	2.40	2.25	1.55	0.35	T.	1.30	1.95	2.25	0.32				
Senorito (near)	2.05	3.11	2.62	0.93	0.36	1.49	2.51	1.40	0.40	1.68	1.91	2.00	20.46
Silver City	1.39	0.94	0.71	0.08	0.88	1.30	2.51	2.96	0.22	1.85	2.57	2.12	17.53
Skeleton Canyon Ranger Station	1.12	1.23	0.00	0.06	0.01	0.07	1.16	2.70	0.80		1.60	1.65	
Socorro	0.82	0.20	0.82	0.10	0.31	1.19	1.83	1.48	0.38	2.43	1.18	1.98	12.22
Soham	1.54	0.41	0.89	0.60	0.69	1.57	2.27	1.79	0.38	1.95	0.88	1.16	14.08
Solano (No. 1)	0.36	0.22	1.23	0.83	0.28	0.46	3.50	4.00	2.25	2.64	0.60	1.94	18.31
Solano (No. 2)	0.48	0.22	0.83	0.90	0.34	0.41	3.67	4.12	2.39	2.97	0.81	2.00	19.14
Springer	0.67	0.56	1.30	0.50	0.70	2.12	2.80	2.29	2.85	1.05	0.47	1.10	16.41
Stanley	0.65	0.34	0.82	0.18	0.53	1.55	3.35	1.69	0.00	1.28	0.50	1.13	12.02
Tajique (near)			3.46	2.51	1.01	0.67	2.00	5.26	0.69	3.78	3.80	3.61	
Taos	1.82	1.06	1.98	0.75	0.33	0.76	1.67	3.74	1.04	0.95	0.68	1.13	15.91
Taos Canyon	2.03	2.59	3.92	1.12	0.47	2.04	3.02	2.24	1.10	1.46	1.20	1.45	22.64
Taos Junction	0.85										0.67		
Taylor	1.03	0.42	1.89	0.86	1.36	3.00	2.70	1.92	1.35	1.52	1.12	1.75	18.92
Tecolote	2.65	0.40	0.25	0.00	0.00	0.40	2.65	0.27	0.83	1.91	2.07	1.48	12.91
Texico (near)	0.26	0.10	0.20	1.24	0.89	1.30	2.70	1.94	1.16	1.83	1.27	3.78	16.67
Three Rivers	0.84	0.04	0.24	T.	0.08	0.05	1.23	0.61	0.30	1.26	0.62	0.93	6.20
Tijeras Canyon	1.23	0.85	1.27	0.82	0.51	1.67	2.27	2.79	0.50	1.77	1.93	1.91	17.52
Tobatchi	0.87	0.28	0.37	0.37	T.	0.16	2.08	0.92	0.58	0.50	0.80	0.83	7.76

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
New Mexico—Continued.													
Torrence	1.08	0.22	0.17	0.10	T.	0.10	0.38	1.23	0.75	1.48	0.57	2.07	8.15
Trementina	0.52	0.72	0.35	1.35	0.13	0.38	1.75	1.81					
Tres Piedras	1.45	1.43	1.14	0.27	0.31	1.23	4.94	1.69	1.37	1.67	1.29	1.31	18.10
Truchas	1.68	0.49	0.74	1.52	0.89	2.00	2.28	2.26	0.85	2.14	0.80	2.02	17.67
Trujillo (near)			0.65	1.20	0.35	0.35	3.72	2.27	1.10	2.10	1.40	2.15	
Tucumcari (near)	0.23	0.13	0.21	1.14	0.21	0.80	2.54	1.02	2.85	2.60	0.51	2.60	14.84
Tucumcari (No. 2)	0.13	0.09	0.16	1.10	0.28	0.80	1.96	1.64	1.60	2.28	0.30	2.60	12.04
Tularosa	0.79	T.	0.10	0.00	T.	0.75	1.53	1.58	T.	1.39	1.13	1.23	8.50
Turney's Ranch	0.78	0.09	T.	T.	0.05	0.09	1.53	2.88	0.00	0.96	1.71	0.67	8.76
Tyrone	0.45	0.57	0.10	0.00	T.		0.62	0.90	0.01	1.10	1.32	2.24	
Valmora	0.64	0.68	1.38	0.59	0.42	2.10	1.92	4.35	1.00	1.78	0.95	1.17	16.98
Vance (near)	0.28	0.25	2.59	1.65	1.16	1.73	1.62	1.94	2.80	3.31	0.41	1.22	18.96
Vaughn	0.53	0.04	0.27	0.21	0.00	1.90	1.47	2.58	3.80	3.80	0.85	2.30	17.75
Vermejo Park	1.13	0.49			0.05	0.90	3.94	2.11	1.59	2.05	0.57	0.95	
Virsylvia				0.18	0.23	0.74	2.97	1.34	3.05	1.12	0.68	0.95	
Wagon Mound (near)	0.57	0.47	1.59	0.55	0.68	2.79	3.99					1.00	
Weed Ranger Station	2.21	0.57	0.36	0.07	0.22	1.09	4.24	6.75	1.15	2.69	1.94	1.50	22.79
White Tail	2.22	0.47	0.33	0.25	0.16	1.83	4.88	3.50	1.37	3.10	2.05	1.38	21.54
Willard (near)	0.91	0.35	0.32	0.18	1.05	1.00				2.01	0.80		
Winsor's Ranch	2.03	1.79	2.82	1.16	0.88	2.58	3.18	2.54	1.39	2.59	0.96	2.35	24.27
New York.													
Adams Center	6.03	5.50	3.09	3.45	5.69	6.05	3.88	1.99	7.13	5.30	3.88	6.51	58.50
Addison	1.61	1.09	3.83	3.60	4.05	4.02	1.05	3.67	4.46	2.41	1.49	0.97	32.25
Albany	2.57	1.35	1.89	2.48	2.78	2.30	1.59	3.42	5.37	1.67	2.54	2.16	30.12
Alfred	1.65	1.78	3.11	2.18	3.40	3.33	2.13	5.12	5.42	2.76	2.03	1.68	34.59
Amsterdam	2.23	1.87	3.50	2.89		4.08	2.63	2.41	6.44	3.22	1.35	2.38	
Angelica								4.93	4.83	2.76	2.16	1.68	
Appleton	2.23	2.97	1.50	1.96	1.64	3.64	1.82	2.90	3.23	2.28	1.16	1.69	27.02
Athens	3.70	1.48	2.90	3.82	4.08	2.80	1.50	3.89	5.32				
Auburn	1.84	1.60	2.40	1.99	2.56	3.65	3.29	1.60	6.29	3.85	1.37	2.08	32.52
Avon	0.82	1.24	1.55	2.13	3.15	2.50	1.46	1.46	4.50	2.90	1.00	0.82	23.53
Babylon		0.64											
Bainbridge	2.29	1.05	3.16	4.03	6.80	3.88	2.71	3.13	6.25	5.14	2.05	2.37	42.86
Ballston Lake	2.58	2.05	2.72	2.66	3.00	3.54	3.59	2.30	6.20	2.17	1.78	2.39	34.98
Bedford Hills	3.19	2.30	1.35	3.38	2.63	4.41	6.32	3.00	4.76	0.43	2.51	4.63	38.91
Beerston	2.62	2.27	2.78	2.98	5.34	5.06	6.39	4.46	4.90				
Binghamton	2.32	1.60	2.80	3.97	7.03	3.76	5.63	3.64	4.90	4.05	1.56	1.36	42.62
Bolivar	3.93	1.79	3.24	2.65	2.80	3.51	2.21	6.64	4.60	3.36	2.05	2.18	38.96
Boyds Corners	4.38	3.11	1.52	4.58	3.78	3.26	5.35	4.88	3.85	1.64	3.35	4.37	44.07
Brockport	2.18	3.41	2.53	2.30	2.10	2.91	2.59	2.75	3.57	3.30	2.05	2.54	32.23
Buffalo	5.64	2.46	2.45	2.41	2.47	2.81	1.37	3.02	3.79	1.95	1.43	2.41	32.21
Canisius College				2.21	2.56	3.61				2.17	1.58	2.53	
Canton	2.37	3.73	1.37	1.84	3.91	3.57	3.64	3.18	6.05	5.21	2.34	2.79	40.00
Cape Vincent	1.30	4.63	1.66	2.99	2.43	2.22	2.24	1.17	5.63	4.03	2.20	0.48	30.98
Carmel	3.48	2.74	1.62	4.74	3.33	2.82	4.82	3.94	3.53	1.55	2.61	3.40	38.58
Cazenovia	3.06	2.24	3.29	3.50	4.11	4.05	2.14	1.85	5.42	4.27	2.73	2.77	39.43
Chatham	2.77	1.64	2.93	3.93	5.46	3.03	2.22	2.51	7.91	2.01	2.43	2.54	39.38
Chazy	1.90	0.78	1.10	0.51	2.35	3.45	2.60	1.49	7.71	6.16	4.07		
Cooperstown	3.51			3.98	5.32	5.29	3.99	6.27	5.11	3.97	1.68	2.63	
Corinth	2.91	3.40	2.39	2.22	4.57	3.70	2.42	1.63	7.38	3.54	2.84	3.00	40.00
Cortland	2.61	0.80	3.37	3.02	5.65	4.11	2.94	2.81	5.66	3.54	1.67	1.95	38.13
Cutchogue	2.94	2.44	1.43	4.63	3.52	6.05	4.18	2.26	10.62	1.42	1.95	3.24	44.69
Dannemora	3.53		3.60	2.44	3.15	4.18	3.74	2.12	8.07	7.44	5.58	5.22	
Dansville				1.71	3.47	1.80	2.62	2.63	3.19	2.61	0.92	1.38	
De Ruyter	4.04	3.18	2.67	3.28	4.36	4.98	2.89	3.60	5.97	4.36	2.26	2.90	44.49
Elba			2.85	2.86	2.41	2.85	1.42	2.43	4.14	2.93			
Elmira	1.83	1.93	2.25	3.99	4.17	5.07	0.66	4.02	4.84	2.72	0.89	1.06	33.43
Farmingdale	2.84	2.60	1.59	4.13	4.25	4.22	4.83		9.35	2.52	2.20		
Fayetteville	1.94	1.07	1.55	2.92	4.57	3.97	2.56	1.17	4.98	2.84	1.60	1.63	30.80
Fishs Eddy						4.11	1.91	2.15	5.98	1.60		4.36	
Flushing	3.75	2.33	1.90	4.13	5.42	4.35	3.41	3.16	4.85	1.21	2.27	3.60	40.38
Fredonia	2.07	2.44	4.46	1.98	4.88	3.94	3.25	2.88	4.57	3.01	2.21	2.54	38.23
Gabriels	1.47	4.41	2.60	3.19	4.51	4.62	3.46	5.43	5.77	5.02	3.68	2.96	47.12
Geneva	1.74	1.58	2.82	2.38	4.10	3.38	4.21	2.25	3.60	3.39	2.25	2.68	34.38
Glens Falls (No. 1)	2.99	2.93	2.48	2.40	4.55	3.49	2.89	2.15	5.65	2.71	3.21	2.82	38.27
Glens Falls (No. 2)	3.38	2.80	2.92	2.55	5.44	3.16	3.60	1.57	7.01	2.80	2.85	2.91	40.99
Gloversville	3.34	4.61	3.39	3.63	3.48	4.77	6.88	4.49	6.03	4.59	1.52	3.75	50.48
Greenfield Center	2.75	3.97	2.20	2.19	2.48	3.16	1.70	1.25	6.55	2.32	2.40	3.60	34.57
Harkness	1.83	1.96	2.47	1.80	3.41	3.97	4.21	5.31	4.54	6.34	2.40	1.72	39.96
Haskinville	1.44	1.15	2.70	1.84	3.50	3.17	2.20	1.57	4.95	2.11	1.48	0.95	27.06
Hemlock	1.33	0.75	1.31	1.76	4.19	3.36	2.50	2.27	3.46	4.26	1.16	1.25	27.60
Homestead Sanatorium	2.60	4.75	2.38	3.13	4.44	5.57	2.27	3.00	7.61	3.57	1.82	2.00	43.14
Hoosick Falls	2.28	2.44								2.09	1.96	1.94	
Hunt	1.17	2.03	3.27	2.31	3.61	1.80	1.54	2.64	4.12	3.75	1.08	1.35	28.67
Indian Lake	2.18	4.98	1.62	2.94	4.64	4.77	4.61	1.77	6.92	5.96		3.48	
Ithaca	1.88	1.48	2.58	3.54	4.49	3.05	4.55	3.75	5.54	2.70	0.94	1.42	35.88
Jamestown	2.32	1.81	6.50	2.53	2.52	4.51	3.28	3.78					
Jeffersonville	2.87	2.34	2.48	3.52	3.21	2.89	3.08	4.28	4.90	4.08	1.10	2.98	37.73
Keene Valley					1.27	3.06	4.17	4.37	4.83				
Lake George	3.27	1.92	1.73	4.15		4.54				5.66	4.00	3.93	
Lake Grove		2.95	2.01	5.80	2.54	3.76	3.38	3.65	7.09	2.37	3.25	3.31	
Lake Placid Club	2.69	2.73	2.10	2.90	2.60	2.40	5.03	5.92	4.85	6.87	2.70	1.91	42.70
Lauterbrunnen	0.88	1.78	2.58	2.28	4.84	1.96	1.16	2.43	3.30	2.97	1.19	2.28	27.65
Liberty					4.05	2.65	1.55						
Little Falls	2.51	2.70	1.19	2.55	4.05	4.83	4.35	1.57	4.99	3.62	1.25	1.08	34.69
Lockport	0.69	2.70	2.11	1.93	2.16	3.00	2.63	2.27	3.87	2.09	1.26	1.95	26.66
Lowville	3.17	5.67	1.48	1.80	8.04	4.44	2.22	1.97	5.53			3.33	
Mechanicsville	2.08	1.11	2.59	2.29	4.17	3.31	2.71	2.70	6.72	2.01	3.25	2.21	35.15
Medford	3.01	1.69	2.37	4.15	3.87	4.77	4.54	4.44	6.53	1.62	2.92	4.88	44.59
Mohonk Lake	4.90	2.27	1.70	6.21	4.66	2.84	5.11	4.13	6.69	2.49	2.60	4.70	46.30
Moira	3.60	5.04	1.77	1.79	3.71	3.14	3.76	2.21	4.05	4.77	3.44	1.74	39.02
Morrisville	2.34	1.43	1.05	1.78	4.33	2.95	1.85	6.39	4.95	3.50	2.65	1.50	34.72
Mount Hope	3.76	3.92	2.76	3.86	4.17	2.96	4.36	2.20	2.97	1.12	3.03	4.74	39.85
Mount McGregor	3.00	2.81	2.88	1.81	3.94	4.17	2.14	3.91	5.84	2.55	2.79	2.95	38.79

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
New York—Continued.													
Mount Vernon	3.94	3.02	1.80	3.79	4.32	3.79	5.51	2.66	3.28	1.22	3.32	4.15	40.80
Newark Valley	2.60	1.02	4.04	4.23	5.65	3.66	5.53	5.07	5.59	3.77	2.01	2.16	45.33
New Berlin	.....	.....	.....	.....	.....	.....	.....	2.30	.....	4.95	2.44	3.53	.....
New Lisbon	2.36	1.75	2.26	3.71	4.96	3.86	4.78	3.28	3.88	4.79	1.87	1.98	39.48
New York	3.41	1.98	1.51	3.78	3.37	4.12	3.61	1.70	3.54	0.83	2.04	3.70	33.59
North Lake	3.59	5.72	2.55	2.37	5.39	4.84	6.48	3.72	7.71	6.54	2.90	4.37	56.18
Northville	2.89	3.93	2.33	3.19	4.06	3.70	2.95	2.25	6.74	4.33	2.12	3.78	42.27
Norwich	2.86	2.11	2.37	2.70	4.95	3.47	4.97	3.62	5.69	4.58	1.27	2.88	41.47
Ogdensburg	1.84	3.16	1.42	1.94	4.64	2.91	.....	0.89	6.20	6.19	2.36	.....	.....
Olean	1.81	2.47	4.20	2.16	3.52	3.45	3.62	4.44	5.72	3.96	2.15	2.31	39.81
Oneonta	2.20	1.83	2.47	1.49	4.19	4.73	2.08	6.40	3.37	3.89	1.15	1.34	35.14
Oswego	1.69	1.89	1.53	2.09	4.70	3.16	1.74	2.56	3.79	3.78	1.97	2.35	31.25
Palermo	3.97	2.51	2.12	2.51	4.29	3.14	5.02	2.04	5.76	4.51	3.77	3.41	43.05
Penn Yan	1.14	1.38	2.31	2.71	3.53	2.79	1.83	1.56	5.51	2.25	2.03	1.63	28.67
Perrysburg	2.75	4.52	3.71	1.72	2.97	2.88	3.36	2.38	4.83	3.78	2.61	4.28	39.79
Philadelphia	4.97	4.64	2.15	2.40	4.98	3.60	2.89	1.75	5.21	5.89	2.97	4.07	45.52
Port Jervis (No. 1)	4.38	1.61	1.71	4.92	4.93	2.79	3.38	4.63	3.92	2.04	2.36	3.21	39.88
Port Jervis (No. 2)	.....	.....	2.24	.....	4.26	2.51	3.56	.....	4.47	1.72	2.29	3.32	.....
Raquette Lake	3.37	4.79	2.80	3.33	5.28	5.46	5.61	1.97	7.04	5.86	3.16	4.16	52.92
Rhinebeck	3.39	3.09	2.43	4.29	4.27	2.60	1.72	3.13	5.01	1.67	2.57	3.53	37.70
Rochester	2.25	2.67	2.35	2.01	1.75	2.40	2.70	1.83	4.01	3.28	1.77	2.33	29.35
Rome	.....	.....	.....	.....	7.06	4.09	.....	4.23	7.23	5.70	3.19	.....	.....
Romulus	1.12	0.95	1.65	1.64	3.56	3.34	1.69	1.15	3.45	1.34	0.67	2.21	22.77
Roslyn	3.49	2.44	1.38	4.57	5.09	4.43	2.68	3.54	6.45	1.34	2.68	4.19	42.28
Roxbury	2.41	1.94	2.78	3.11	5.38	3.48	2.42	2.33	5.38	3.38	1.38	2.93	36.92
Salisbury	1.39	5.16	1.78	3.42	4.75	5.31	5.57	3.91	5.81	7.52	2.54	4.73	51.89
Scarsdale	3.55	3.72	2.15	3.08	2.54	2.22	3.96	3.38	3.33	1.19	2.85	4.28	36.25
Setauket	3.46	2.45	1.40	4.42	3.67	4.06	5.38	2.62	7.84	1.32	2.91	3.51	43.04
Sharon Springs (No. 1)	3.05	1.91	2.40	3.52	4.54	3.68	2.84	2.77	6.05	2.79	1.24	2.61	37.40
Sharon Springs (No. 2)	3.24	2.50	2.91	3.61	3.77	3.55	2.29	3.22	5.08	2.82	1.38	2.77	37.14
Sherburne	2.04	2.70	2.69	3.61	5.29	3.91	3.71	1.80	5.31	3.71	1.76	2.81	39.34
Shortsville	1.10	1.12	1.72	2.04	2.74	3.53	3.21	2.10	3.05	3.02	1.26	1.30	26.19
Skaneateles	2.33	1.20	3.20	3.16	4.50	4.64	3.85	2.79	7.33	4.92	1.93	2.49	42.34
Southampton	2.52	1.82	1.58	3.67	2.71	4.97	3.02	3.30	2.99	1.06	.....	.....	.....
Southeast Reservoir	3.97	2.05	1.64	4.79	3.21	3.01	5.03	3.62	3.66	1.96	2.40	2.96	39.10
Spier Falls	2.81	2.99	1.65	2.08	4.32	3.38	1.72	1.36	6.74	2.17	2.70	3.33	35.25
Syracuse	3.60	2.02	1.86	2.73	3.35	4.22	2.22	1.45	4.34	3.56	1.18	2.26	32.79
Trenton Falls	1.99	3.10	2.22	3.13	3.65	4.25	3.55	2.80	7.12	5.70	2.37	4.71	44.59
Tribes Hill	2.10	1.85	2.80	3.55	2.69	3.92	2.21	3.63	5.74	4.17	0.93	3.75	37.34
Troy	2.88	1.20	2.56	2.47	3.33	2.58	2.07	4.89	5.41	2.07	2.80	2.73	34.99
Utica	2.21	2.47	1.74	3.23	.....	.....	.....	.....	.....	.....	.....	1.63	.....
Volusia	1.74	2.41	3.91	2.25	3.09	3.42	4.26	3.55	4.71	3.53	4.22	2.35	39.44
Walton	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.88	2.32	.....
Wanakena	3.06	4.22	2.65	1.34	3.13	4.60	2.92	1.97	.....	6.22	4.70	2.32	.....
Wappinger Falls	2.83	4.83	2.29	4.09	3.38	3.82	3.38	1.69	4.85	1.99	2.56	4.62	40.33
Warwick	3.84	1.49	1.38	4.25	4.18	3.41	5.06	3.07	3.73	1.28	2.50	3.50	37.69
Watertown	3.63	4.21	1.52	2.37	4.40	3.65	4.22	1.36	4.86	4.00	3.59	3.57	41.38
Wedgewood	2.29	1.36	3.60	3.37	4.62	4.08	5.87	2.10	5.54	2.48	1.08	1.36	37.75
West Berne	1.80	0.98	1.46	2.51	3.65	2.71	2.88	3.71	5.19	2.35	1.20	2.11	30.55
Westfield	1.20	3.02	4.82	3.03	4.77	4.55	4.21	3.34	5.78	3.82	4.81	3.51	46.86
West Point	3.38	1.54	1.27	3.91	3.55	1.54	3.45	.....	2.39	0.98	2.10	4.04	.....
York	1.21	1.73	2.35	2.26	2.88	2.65	1.76	1.66	4.41	3.40	1.26	1.77	27.34
North Carolina.													
Albemarle	5.36	1.29	2.03	9.99	1.66	1.91	4.85	5.29	4.65	1.78	3.86	4.95	47.62
Altapass	2.00	0.16	1.63	3.64	3.11	3.84	3.12	3.50	1.96	10.87	0.48	.....	.....
Andrews	.....	.....	1.40	.....	4.44	3.28	3.05	.....	.....	.....	.....	.....	.....
Asheville	4.56	1.98	2.25	2.74	4.39	6.53	2.74	5.07	3.00	11.32	1.78	4.73	51.08
Banners Elk	5.17	1.27	3.53	6.19	5.65	8.22	5.46	4.19	4.85	12.14	1.72	5.73	64.12
Beaufort	1.23	1.99	1.77	6.72	0.83	3.39	4.67	.....	2.95	.....	3.44	5.75	.....
Belhaven	2.87	0.95	1.15	6.90	1.86	2.35	9.05	4.00	4.00	1.75	1.30	6.13	42.31
Brevard	7.82	2.60	1.99	5.92	4.62	5.11	1.42	8.61	4.62	14.16	4.37	10.48	71.72
Brewers	5.54	0.74	3.13	5.75	1.65	4.29	3.61	9.21	5.49	13.15	2.00	5.46	60.02
Bryson City	8.78	4.26	3.55	4.64	3.78	7.91	5.31	4.84	3.29	8.52	2.04	5.36	62.28
Caroleen	7.04	2.48	.....	.....	.....	4.92	8.56	2.82	5.27	10.96	3.21	4.49	.....
Chapel Hill	4.30	.....	.....	6.82	3.52	2.63	.....	.....	.....	1.27	2.57	4.25	.....
Charlotte	3.82	1.92	2.33	5.47	2.92	2.43	1.90	2.18	5.83	8.00	3.23	4.35	39.38
Chimney Rock	6.91	2.08	1.15	6.76	3.81	7.01	2.57	6.77	2.69	10.08	0.24	7.92	57.99
Cullowhee	5.48	4.28	2.64	3.46	2.51	6.82	6.82	4.18	3.76	8.70	1.41	3.73	53.79
Durham	3.72	1.17	3.64	6.61	3.87	3.51	5.46	3.19	3.83	0.87	3.19	4.39	43.36
Eagletown	4.51	0.95	2.37	6.58	3.88	2.64	5.13	2.60	4.04	1.30	1.95	4.37	40.32
Edenton	2.40	0.75	1.40	6.90	3.50	7.80	6.25	12.05	4.50	2.70	1.20	5.90	55.35
Elizabeth City	1.66	0.90	2.91	8.35	5.55	6.00	7.20	4.87	4.17	1.45	1.75	5.08	49.89
Elizabethtown	3.75	0.73	4.27	8.40	4.31	1.59	3.73	5.07	5.37	1.06	1.90	6.16	46.34
Elkin	4.32	0.78	2.84	3.90	3.30	3.06	7.17	2.79	3.59	6.99	2.08	6.91	47.73
Ellijay	7.55	3.87	2.38	4.16	3.73	5.14	7.05	4.99	5.51	9.01	1.92	4.60	59.91
Enfield	4.40	1.73	3.12	5.28	4.79	2.08	7.68	4.42	4.29	0.80	1.60	4.55	44.74
Fayetteville	2.59	0.90	1.11	7.37	5.65	2.87	6.49	1.53	4.77	0.70	2.43	4.19	40.60
Goldsboro	2.95	0.97	1.96	8.05	4.74	2.55	5.14	2.42	5.47	1.61	3.43	5.47	44.76
Gorge	6.45	1.46	2.20	7.03	5.05	6.67	7.55	4.96	5.19	14.05	3.91	7.96	72.48
Graham	5.83	0.99	2.90	6.68	3.26	3.64	9.41	5.03	4.59	1.59	2.91	4.00	50.83
Greensboro	6.43	1.53	4.13	8.05	3.76	3.76	5.79	5.99	6.49	1.43	2.75	5.35	55.46
Greenville	2.37	1.09	1.64	8.23	5.50	2.83	6.16	2.95	7.07	1.85	1.69	3.93	45.31
Hatteras	1.78	1.73	1.34	5.34	1.48	4.69	7.10	3.10	2.41	1.12	2.30	4.58	36.97
Henderson	5.28	0.67	2.90	8.61	6.79	3.39	2.24	3.78	3.86	1.40	1.79	4.59	45 30
Hendersonville	7.95	2.23	2.28	4.43	4.52	4.18	4.30	1.89	3.94	14.59	3.07	12.85	66.23
Hickory	5.82	1.61	1.93	5.21	2.39	2.46	4.53	6.56	4.73	10.44	2.47	6.24	54.89
Highlands	9.52	3.99	3.13	7.64	4.11	4.06	10.55	4.22	7.03	22.73	5.32	13.92	96 22
Hot Springs	4.99	2.73	4.44	3.93	4.68	5.46	1.84	3.26	4.40	5.82	0.95	1.46	43.96
Jefferson	2.88	1.54	2.81	5.58	3.67	4.73	3.06	4.20	4.41	12.06	2.43	5.64	53.91
Kinston	3.25	0.86	2.81	7.48	3.61	2.50	8.51	4.23	.....	.....	3.85	4.15	.....
Lenoir	6.29	1.31	1.89	5.26	1.52	3.92	4.34	5.46	4.49	13.25	3.97	6.80	58.50
Lillington	4.80	0.99	1.65	6.20	5.31	1.11	6.24	1.75	6.92	1.57	2.32	4.73	41.59
Lincolnton	6.22	2.01	1.45	5.32	2.50	2.86	6.38	2.58	6.02	5.63	2.73	5.85	49.56

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
North Carolina—Continued.													
Louisburg	4.80	1.78	1.43	7.99	5.51	3.25	5.27	2.27	3.28	0.29	0.50	5.94	42.31
Lumberton	2.19	1.63	2.53	13.74	3.94	4.51	5.23	3.15	4.47	0.85	3.30	5.40	50.94
Manteo	2.20	0.48	1.32	7.16	0.78	4.36	5.94	7.80	3.42	1.45	1.96	4.44	41.31
Marion	5.80	2.38	2.15	5.34	4.01	5.92	5.95	4.39	2.90	13.04	3.65	9.92	65.45
Marshall	5.67	1.76	2.69	3.05	3.85	6.46	2.84	4.88	3.79	7.38	1.22	2.82	46.41
Moncure	4.47	1.21	2.02	5.63	2.87	2.48	6.14	1.41	4.42	1.21	1.64	4.01	37.51
Monroe	4.81	1.29	2.15	6.46	2.19	2.29	5.05	4.21	3.78	2.23	2.39	3.72	40.57
Montreat	7.14	2.36	2.44	5.43	5.60	8.21	4.27	4.10	4.07	11.80	2.70	8.06	66.18
Morganton	6.61	1.99	1.82	5.66	3.41	3.64	5.35	4.37	4.04	13.06	2.41	7.18	59.54
Mount Airy	5.41	0.59	2.03	4.85	3.62	3.55	3.41	3.97	4.22	6.75	2.28	6.71	47.39
Mount Holly	5.70	2.47	2.94	5.50	2.36	4.30	5.56	2.76	5.75	5.16	3.32	5.99	51.81
Murphy	8.11	5.50	2.09	5.22	3.95	5.97	4.11	1.18	3.99	7.32	3.02	5.01	55.47
Nashville	3.59	0.70	2.12	7.76	4.10	1.97	9.03	3.33	5.43	0.93	1.57	4.62	45.15
Newbern	3.57	1.61	2.53	10.38	1.67	2.91	12.11	8.13	3.31	1.53	1.54	7.33	56.62
New Holland	2.23	1.20	1.75	5.54	0.60	4.30	7.08	4.64	2.79	0.89	1.26	6.95	39.23
Neuse	4.14	1.32	1.99	6.56	4.90	2.81	6.05	1.36	5.55	0.89	1.43	4.77	41.77
Parker	6.87	1.53	3.11	4.31	5.92	8.03	6.70	3.25	3.53	8.38	1.96	4.89	58.57
Pinehurst	5.24	1.26	1.30	6.62	3.66	2.46	5.69	0.59	.....	1.20	.....	2.73	.....
Raleigh (No. 1)	4.80	1.16	2.53	6.96	4.18	2.31	5.37	2.41	5.21	0.76	1.66	4.33	41.68
Raleigh (No. 2)	4.62	1.11	2.21	7.08	4.62	1.90	5.15	1.98	4.98	0.83	1.49	4.22	40.19
Randleman	6.07	1.26	2.22	6.31	4.12	1.82	10.31	2.88	6.07	1.15	2.60	3.98	48.79
Reidsville	5.92	0.51	3.68	6.78	3.71	3.30	2.63	4.43	4.30	1.57	2.10	4.46	43.39
Rock House (No. 1)	9.85	4.40	2.53	7.11	6.35	5.56	7.83	5.63	7.05	18.52	5.66	14.34	94.83
Rock House (No. 2)	10.25	3.71	2.64	7.07	6.60	5.51	7.43	5.86	6.80	19.49	5.16	13.57	94.09
Rockingham	3.70	2.20	1.20	6.25	4.22	1.95	.....	.....	4.41	1.38	1.00	.....	.....
Rocky Mount (No. 1)	4.22	1.00	2.09	6.82	2.96	1.59	7.80	2.45	3.85	1.02	1.35	4.10	39.25
Rocky Mount (No. 2)	.....	.....	1.87	8.11	3.09	1.53	4.85	2.61	2.38	1.20	1.87	5.03	.....
Rougemont	3.25	0.45	2.65	5.25	2.55	3.13	3.80	3.20	.....	1.45	2.80	3.62	.....
Salisbury	6.75	1.60	1.98	6.54	2.90	2.61	5.34	1.73	4.39	1.66	3.07	5.29	43.86
Sanatorium	2.26	1.50	1.75	4.82	.....	1.73	3.27	.....	5.24	.....	2.63	3.61	.....
Scotland Neck	3.83	0.95	1.62	5.05	3.95	2.59	4.13	2.06	2.37	1.00	1.98	3.47	33.00
Settle	4.58	1.42	3.09	4.98	3.59	2.64	4.52	6.55	4.32	4.57	2.96	6.49	49.71
Siler City	6.02	1.58	2.24	5.39	2.20	2.35	7.84	1.59	4.05	1.16	2.69	2.06	39.17
Sloan	2.39	1.22	2.14	5.17	4.11	5.87	8.54	5.26	3.74	1.28	2.21	5.10	47.03
Smithfield	4.15	0.84	1.66	6.80	4.96	3.28	4.84	2.92	3.31	1.51	1.80	5.89	41.96
Southern Pines	3.68	1.08	1.10	7.36	4.88	1.28	4.47	2.77	4.06	0.60	1.95	4.41	37.64
Southport	1.90	1.82	1.82	8.40	1.71	1.76	2.41	6.47	1.61	0.65	2.90	5.88	37.33
Statesville (No. 1)	2.44	1.12	2.55	4.98	2.50	3.12	4.66	3.65	3.84	4.68	3.06	5.22	41.82
Statesville (No. 2)	6.40	1.38	2.81	5.45	2.39	2.55	5.63	4.33	4.30	4.98	2.91	7.23	50.36
Tarboro	3.73	0.80	1.47	7.27	5.77	2.08	4.86	4.45	2.77	1.24	1.98	4.37	40.79
Todd	.....	.....	1.89	5.58	5.49	6.08	.....	.....	.....	.....	.....	.....	.....
Tryon	8.16	2.30	1.78	6.66	2.85	8.59	5.75	2.94	4.21	15.74	3.95	9.90	72.83
Waynesville	.....	.....	.....	.....	.....	.....	.....	.....	2.90	.....	.....	5.33	.....
Weldon	4.52	0.35	2.45	5.82	4.67	3.26	4.81	5.90	6.09	1.33	1.29	4.18	44.67
Wenona	4.65	1.41	1.37	10.30	2.45	3.06	11.21	10.38	3.41	1.29	4.00	5.19	58.72
Willard	3.93	.....	0.56	9.05	.....	2.90	6.65	5.00	.....	.....	.....	.....	.....
Wilmington	2.17	2.77	0.78	6.24	1.52	3.22	6.41	6.13	1.50	0.32	2.62	4.67	38.35
Wilson	3.57	.....	.....	.....	.....	2.32	4.66	2.83	2.50	1.30	1.62	5.24	.....
Winston-Salem	5.07	1.50	1.93	6.41	4.17	1.83	3.42	3.42	4.83	2.94	2.10	4.28	41.90
North Dakota.													
Amenia	0.21	0.05	0.06	2.11	2.05	2.35	1.49	2.97	0.15	1.50	0.45	1.21	14.60
Ashley	0.90	0.40	0.90	2.18	2.35	1.76	2.10	2.08	0.17	1.30	1.21	0.90	16.25
Beach	0.24	0.35	T.	2.27	1.31	0.48	1.81	2.71	0.28	0.40	0.48	0.67	11.00
Berthold Agency	0.59	0.14	0.18	2.49	1.46	0.51	2.78	1.68	0.38	0.35	0.23	0.39	11.18
Bierman	0.72	0.64	0.80	2.38	2.59	0.90	3.78	1.43	0.59	0.46	0.37	1.07	15.64
Bismarck	0.62	0.29	0.85	2.13	2.03	0.59	2.09	2.62	0.47	0.28	0.81	1.02	13.50
Bottineau	0.28	0.10	0.03	0.75	1.93	2.13	1.57	3.90	0.35	0.55	0.62	0.47	12.68
Bowbells	0.30	0.40	0.16	1.81	1.56	0.81	2.45	3.87	0.28	0.53	0.70	0.74	13.61
Bowman	0.37	0.21	0.85	2.26	1.77	0.93	1.61	1.76	0.30	0.32	0.21	0.21	10.80
Buford	0.30	0.22	0.11	1.73	0.73	0.48	2.15	3.23	.....	.....	.....	.....	.....
Cando	T.	T.	T.	0.86	2.32	1.40	2.75	1.91	0.34	0.42	1.23	0.32	11.55
Carson	0.60	0.14	0.89	2.99	2.16	1.21	1.68	1.58	0.63	0.17	0.55	1.25	13.85
Colgate	0.17	0.02	0.05	1.66	3.26	2.21	2.43	4.71	0.04	0.75	0.90	0.50	16.70
Cooperstown	0.30	T.	T.	1.65	2.50	2.78	1.05	7.10	0.40	0.55	1.05	1.70	19.08
Crosby	0.62	0.02	0.49	2.14	1.89	0.88	3.67	4.39	0.15	0.55	0.92	0.70	16.42
Devils Lake	0.24	0.14	0.22	2.86	3.69	2.90	2.81	2.25	0.48	0.55	1.80	0.67	17.71
Dickinson	0.39	0.25	0.31	2.11	1.67	1.61	1.73	2.99	0.48	0.42	0.10	0.30	12.36
Donnybrook	0.25	T.	0.10	2.00	0.97	0.52	1.63	3.65	0.17	0.20	1.28	0.95	11.72
Dunn Center	0.40	0.60	0.35	3.38	1.43	0.86	2.97	3.48	0.39	0.28	0.40	0.43	14.97
Dunseith	0.07	0.20	0.20	1.40	2.65	2.41	3.37	3.81	0.51	0.63	1.31	.....	.....
Eckman	0.40	0.13	0.50	1.42	2.01	2.09	1.97	3.40	0.45	0.49	1.23	0.73	14.82
Edgeley	0.17	0.11	0.10	2.64	1.25	1.00	3.32	2.68	0.07	0.32	1.03	0.38	13.07
Ellendale	0.42	0.50	0.71	2.46	3.27	2.47	2.64	3.47	0.14	0.23	2.16	0.67	19.14
Energy	0.48	0.08	0.59	2.19	1.96	0.37	6.08	3.09	0.46	0.38	0.42	0.67	16.77
Epping	0.87	0.28	0.29	1.70	1.07	0.24	3.16	3.56	0.40	0.29	0.39	0.77	13.02
Fessenden	0.44	0.10	0.24	2.01	2.90	2.58	3.14	5.93	0.13	0.57	1.71	1.35	21.10
Forman	0.08	0.10	0.80	1.82	4.39	2.31	2.19	2.97	0.07	0.48	2.05	1.75	19.01
Fryburg	.....	.....	.....	2.68	1.92	1.17	2.03	1.48	0.47	0.35	0.54	0.50	.....
Fullerton	0.47	0.61	0.94	3.62	2.12	1.97	2.89	1.31	0.18	0.24	2.58	1.30	18.23
Garrison	0.46	0.24	0.63	1.91	3.89	0.80	4.13	3.77	0.92	0.06	0.44	0.32	17.57
Grafton	0.54	0.35	0.21	2.55	1.69	2.13	3.11	2.46	1.25	0.89	1.12	0.84	17.14
Grand Forks	0.50	0.27	0.04	2.55	3.20	0.79	4.04	3.94	0.46	1.20	1.03	2.29	20.31
Grand Rapids	0.50	0.05	0.55	2.48	1.58	1.06	3.33	3.83	0.28	0.32	2.45	0.80	17.23
Granville	0.42	T.	0.19	1.49	1.59	1.53	2.88	1.47	0.23	0.26	1.30	1.04	12.40
Hannah	0.40	0.40	0.12	1.44	3.03	3.12	3.62	1.72	0.81	0.75	1.92	1.10	18.43
Hansboro	T.	0.02	T.	0.98	2.20	1.75	3.68	4.06	0.49	0.57	0.57	0.62	14.89
Hettinger	.....	.....	.....	1.54	1.38	1.93	3.17	0.87	0.33	0.19	0.14	0.30	.....
Hillsboro	0.50	0.25	T.	2.93	2.69	2.20	1.22	3.50	0.66	1.55	0.90	1.15	17.55
Howard	0.50	T.	0.27	3.14	3.84	0.72	2.35	5.76	0.02	0.03	0.75	1.63	19.01
Jamestown	0.35	0.10	0.53	2.81	2.36	3.31	2.79	9.30	0.11	0.65	1.68	1.55	25.54
Lakota	0.52	0.16	0.12	1.56	2.04	1.06	2.48	2.74	0.64	0.62	1.34	0.67	13 95
Lamoine	0.40	0.16	0.48	1.34	3.76	1.96	4.65	3.90	0.27	0.05	0.40	1.10	18.41
Langdon	0.40	0.20	0.10	2.08	1.52	3.56	3.92	2.10	1.02	0.54	1.66	1.05	18.15
Larimore	0.80	0.22	0.10	3.33	2.05	3.23	3.12	2.63	1.43	1.91	0.85	1.13	20.80
Linton	0.50	0.27	.....	1.65	2.80	2.00	1.20	4.95	0.00	.....	.....	.....	.....

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
North Dakota—Continued.													
Lisbon	0.85	0.20	1.00	2.19	2.04	3.12	2.86	2.28	0.26	T.	0.45	0.05	15.30
McClusky	0.90	0.00	0.80	2.12	2.44	1.41	4.34	6.63	0.18	0.25	0.96	1.60	21.63
McHenry	T.	T.	0.70	1.86	3.85	3.05	3.25	7.17	0.12	0.90	1.17	1.90	23.97
McKinney	T.	T.	0.05	1.75	1.59	0.73	2.31	4.58	0.40	0.43	0.40	1.15	13.39
McLeod	1.10	0.20	0.20	2.62	4.32	2.47	3.56	2.36	0.32	0.33	1.23	0.90	19.61
Maddock	0.30	0.00	0.40	1.47	3.62	1.73	3.00	3.31	0.17	0.00	2.01	0.36	16.37
Mandan	0.20	0.11	0.45	2.61	1.69	1.44	2.47	2.03	0.63	0.27	0.45	.....	.....
Manfred	0.46	0.12	0.57	1.84	2.94	1.68	3.61	5.70	0.19	0.48	2.05	0.92	20.56
Marmarth	0.80	0.56	0.70	2.02	1.83	1.35	2.10	4.26	0.52	0.35	0.66	0.71	15.86
Marstonmoor	.....	.....	0.65	3.06	2.95	0.90	2.25	3.10	0.20	0.23	1.75	.....	.....
Mayville	0.28	0.06	0.02	2.62	1.71	2.36	2.11	8.60	0.86	1.15	0.83	0.65	21.45
Melville	0.30	0.05	1.20	2.44	4.63	1.47	2.32	2.91	0.43	0.85	2.03	1.80	20.43
Milnor	0.65	0.20	1.16	2.13	3.92	2.05	2.45	2.03	0.14	0.87	1.62	0.77	17.99
Minot	0.43	0.18	0.14	2.25	1.61	0.98	3.11	2.42	0.25	0.44	2.62	1.50	15.93
Minto	0.28	0.21	0.15	2.63	1.25	1.64	2.68	2.71	1.08	1.31	1.24	1.03	16.41
Mott	0.88	0.62	1.10	2.66	1.94	1.70	1.78	1.11	0.60	0.36	0.52	0.33	13.60
Napoleon	0.10	0.15	0.35	3.30	1.40	2.02	1.33	4.70	0.32	0.89	0.74	0.45	15.75
New England	.....	.....	0.60	1.80	1.65	1.74	2.27	1.76	0.29	0.15	.....	0.12	.....
New Salem	0.89	0.49	0.81	2.49	2.20	1.07	2.29	0.94	0.62	0.14	0.24	1.57	13.75
Orange	0.50	0.60	0.90	1.52	2.94	2.05	0.92	1.20	0.16	0.08	0.34	1.00	12.21
Park River	0.05	T.	0.25	2.04	3.16	0.87	4.09	1.47	0.71	1.09	0.44	0.48	14.65
Parshall	0.44	T.	0.00	2.56	1.38	0.09	1.99	2.61	.....	.....	.....	.....	.....
Pembina	0.35	0.62	0.05	1.30	0.30	3.92	2.68	1.74	0.20	0.60	0.81	0.15	12.72
Power	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.85	.....
Powers Lake	0.25	0.05	0.25	2.30	0.80	1.20	3.36	5.72	0.33	0.36	0.40	1.30	16.32
Sanish	0.80	.....	0.47	1.57	0.78	0.15	1.88	3.72	0.00	0.00	.....	.....	.....
Selfridge	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.47	.....
Steele	1.18	0.52	0.85	2.13	3.29	1.58	4.66	6.07	0.28	0.64	1.91	1.42	24.53
Taylor	1.38	0.19	0.30	2.40	2.23	1.47	1.89	2.34	0.46	0.47	0.29	0.42	13.84
Towner	0.30	T.	0.00	0.91	1.53	2.66	2.42	1.55	0.31	0.49	1.13	1.05	12.35
Valley City	0.05	.....	0.36	1.31	4.21	2.19	1.82	3.10	.....	.....	.....	.....	.....
Wahpeton	0.32	0.10	0.19	3.69	3.82	1.33	3.79	1.79	0.14	0.90	1.22	0.20	17.49
Walhalla	0.40	0.65	0.05	2.81	3.39	1.43	3.67	2.59	1.13	1.14	1.69	1.50	20.45
Washburn	0.74	0.02	0.26	1.97	1.93	1.73	4.65	3.72	0.16	.....	.....	.....	.....
Westhope	T.	0.00	0.75	0.88	2.33	3.11	0.53	2.49	0.33	0.29	0.78	0.32	11.81
Williston	0.75	0.13	0.48	2.22	1.04	0.57	2.27	3.66	0.30	0.38	1.04	1.00	13.84
Willow City	0.40	0.15	0.12	1.15	2.25	1.57	2.60	3.38	0.35	0.52	1.62	0.60	14.71
Zap	0.28	0.06	0.23	1.89	2.03	1.06	4.80	5.24	0.54	0.31	0.23	0.50	17.17
Ohio.													
Akron	1.72	2.32	2.73	3.35	6.41	2.39	1.73	2.56	3.78	3.53	1.69	2.13	34.34
Amesville	3.94	3.58	3.25	4.21	5.01	1.15	1.25	4.30	2.80	3.08	2.66	4.36	39.59
Ashland	1.72	1.83	2.16	2.64	6.30	2.51	1.60	3.25	3.79	2.67	1.33	2.50	32.30
Bangorville	3.25	1.95	2.37	3.83	5.35	1.46	2.03	3.53	3.94	1.92	2.15	3.64	35.42
Batavia	5.33	0.95	2.54	2.73	3.94	5.93	1.36	5.88	2.46	3.02	2.15	4.73	41.02
Bellefontaine	4.52	0.76	2.46	2.92	4.03	1.43	5.74	3.12	4.52	1.94	2.77	2.62	36.83
Bellpoint	2.91	1.24	2.30	2.61	3.66	1.73	2.69	2.20	3.68	3.45	2.36	4.82	33.65
Benton Ridge	.....	.....	.....	.....	.....	2.03	0.95	2.74	4.26	2.70	2.41	2.88	.....
Beverly	3.27	2.90	2.25	4.02	5.04	3.31	2.83	4.06	2.73	3.17	1.48	4.30	39.36
Bowling Green	2.35	1.96	2.11	3.23	4.32	1.75	2.68	1.69	6.32	2.07	2.31	3.28	34.07
Brilliant	4.90	2.25	0.70	3.50	6.02	2.31	1.60	6.13	2.84	3.20	3.76	4.65	41.95
Bucyrus	4.65	1.17	1.25	2.50	4.02	1.46	1.70	2.50	5.20	2.23	2.10	3.00	31.78
Cadiz	2.90	2.75	1.06	2.12	6.92	1.43	2.05	4.21	2.60	3.89	2.44	4.47	36.84
Cambridge	3.90	3.02	1.38	2.51	7.15	1.39	3.86	4.63	2.10	3.81	1.78	3.81	39.34
Canfield	2.41	1.84	2.26	3.97	5.08	1.78	1.93	1.25	3.29	3.26	1.70	2.97	31.74
Canton	2.56	3.19	2.16	3.52	5.28	1.30	3.85	2.71	3.61	2.94	1.75	3.19	36.06
Catawba Island	2.34	.....	1.58	1.83	3.25	1.11	0.52	2.09	4.51	1.44	1.74	4.05	.....
Chillicothe	4.65	1.98	3.98	3.58	3.33	3.42	3.52	3.61	2.36	2.32	1.84	4.28	38.87
Cincinnati	4.30	1.61	2.28	3.38	4.05	5.97	3.05	4.53	2.70	2.68	1.65	4.68	40.88
Circleville	4.48	2.41	3.36	3.78	2.80	1.86	4.52	4.11	3.37	2.96	2.04	3.87	39.56
Clarington	4.45	3.88	2.69	4.58	6.30	2.43	2.71	4.19	3.06	3.59	1.97	4.50	44.35
Cleveland (Weather Bureau)	2.60	1.48	2.38	2.55	4.02	1.83	1.06	2.47	3.78	2.11	1.77	1.58	27.65
Cleveland (St. Ignatius)	2.53	1.80	2.40	2.52	3.45	3.28	1.54	2.41	4.50	2.39	1.59	1.76	30.17
Columbus	3.51	2.55	1.85	2.80	4.30	1.25	2.50	4.42	3.19	2.09	1.24	3.23	32.93
Columbus Reservoir	2.36	2.66	1.67	3.40	.....	1.58	2.55	5.09	4.33	3.03	1.58	.....	.....
Coshocton	2.15	2.87	1.57	3.03	5.73	1.21	2.91	4.47	3.36	2.81	2.67	4.54	37.32
Dam No. 28	3.75	1.93	3.70	4.25	3.23	4.17	2.37	2.96	2.96	3.29	1.12	3.20	36.93
Danbury	1.95	1.81	2.14	1.21	2.54	1.24	0.86	2.46	4.37	1.49	1.68	4.46	26.21
Dayton (Weather Bureau)	3.46	2.53	2.17	3.40	4.35	2.87	2.62	3.44	4.13	1.64	1.67	2.92	35.20
Dayton (Boyer)	3.87	3.91	2.48	3.84	5.04	3.68	3.66	3.98	4.98	2.03	1.92	3.10	42.49
Delaware	4.02	1.66	1.68	3.15	4.18	1.57	2.69	3.11	5.02	2.51	1.14	3.49	34.22
Demos	2.11	3.38	1.88	3.37	6.24	1.96	1.77	5.86	2.89	3.57	1.99	4.66	39.68
Dennison	2.50	2.61	1.33	3.32	6.64	1.09	2.07	5.54	3.44	2.61	2.60	4.30	38.05
Dover	1.64	2.21	1.56	2.80	6.54	0.55	2.96	3.81	3.32	2.34	1.61	3.85	33.19
Eaton	4.24	2.65	2.12	5.62	4.58	5.26	4.53	6.52	4.07	1.50	1.98	2.73	45.80
Fernbank	3.69	1.35	2.55	4.00	4.92	4.41	4.87	4.49	2.90	2.22	1.43	4.22	41.05
Findlay	3.11	1.23	2.20	2.60	3.51	2.46	2.99	1.74	4.43	2.18	1.87	3.30	31.62
Frankfort	4.45	1.40	4.10	4.05	2.54	4.15	2.35	3.75	2.50	1.89	2.02	3.94	37.14
Fremont	2.54	1.24	1.95	2.62	2.94	1.91	1.85	2.29	5.99	1.97	1.59	2.66	29.55
Gallipolis	2.87	3.09	3.15	3.62	2.50	4.33	2.77	1.04	2.96	3.28	1.66	4.07	35.24
Gambier	2.86	2.04	1.95	3.72	6.45	.....	.....	.....	.....	.....	2.10	3.52	.....
Geneva	0.73	1.46	.....	.....	.....	.....	.....	.....	1.11	3.57	2.91	2.63	2.50	.....
Germantown	4.07	2.14	1.71	3.51	4.18	3.51	1.94	6.31	4.60	1.85	1.66	3.32	38.80
Granville	4.28	3.02	1.96	2.74	5.74	1.25	3.59	3.05	3.60	2.79	2.37	3.30	37.68
Green	3.83	.....	2.13	4.81	3.01	7.01	1.96	3.79	2.78	4.88	3.65	3.75	.....
Greenfield	5.74	2.98	3.68	4.11	4.08	4.09	3.19	3.94	2.72	2.48	2.04	4.56	43.61
Green Hill	1.87	2.18	1.54	3.57	5.62	0.88	1.93	2.81	2.84	3.08	1.66	3.46	31.44
Greenville	3.40	2.05	2.81	4.37	3.50	4.05	3.88	3.74	4.27	2.24	1.96	3.74	39.91
Hamilton	4.52	2.49	3.32	3.29	4.24	5.54	4.76	6.30	.....	.....	1.81	3.27	.....
Haydenville	.....	2.39	3.33	3.81	3.85	2.82	3.85	4.56	1.87	3.61	2.27	4.74	.....
Hillhouse	1.50	1.03	3.45	2.34	5.25	6.46	2.05	1.59	4.27	3.77	3.17	1.98	35.86
Hillsboro	5.66	2.12	3.64	3.32	3.06	6.24	1.73	3.50	2.48	2.98	2.57	4.48	42.38
Hiram	2.03	1.98	3.64	4.03	4.91	3.10	1.40	3.71	4.18	3.93	2.39	2.74	38.04
Hudson	2.20	.....	3.62	3.38	6.83	4.02	1.88	5.35	3.78	4.32	2.18	2.62	.....
Ironton	3.85	2.26	5.24	3.61	2.80	4.13	2.74	2.49	1.96	3.64	1.68	4.57	36.90
Jackson	3.58	2.82	2.97	3.41	3.31	4.61	4.22	2.73	.....	3.23	2.91	4.07	.....

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
***Ohio*—Continued.**													
Kenton	1.16	1.07	1.63	1.81	3.26	3.31	2.73	2.75	4.88	1.84	2.03	2.59	29.06
Killbuck	2.13	2.40	2.45	2.82	6.48	0.58	2.10	3.85	.....	3.15	3.00	.....	.....
Kings Mills	4.24	1.97	3.37	3.05	3.88	4.49	3.86	4.79	4.30	3.05	1.77	3.73	42.50
Lake View	3.44	1.23	2.69	2.66	4.65	2.38	2.49	4.78	3.31	2.57	1.74	3.17	35.11
Lancaster	4.90	2.69	3.05	2.99	3.89	1.22	3.42	3.79	3.04	3.69	2.75	4.55	39.98
Larue	3.01	1.32	2.18	2.03	4.02	1.32	1.41	2.30	3.95	3.07	2.04	2.97	29.62
Lima	3.12	1.53	2.72	2.90	3.86	2.93	2.69	1.94	3.45	1.92	1.96	2.28	31.30
London	.....	.....	.....	.....	4.32	1.58	2.79	4.01	5.34	2.00	2.06	.....	.....
Loudonville	2.85	2.47	2.21	3.13	5.10	0.74	2.49	3.33	3.96	2.63	1.55	.....	.....
McArthur	4.64	4.06	3.61	4.01	3.48	2.84	1.15	3.59	2.08	3.52	2.82	4.89	40.69
McConnelsville	3.19	3.30	2.64	4.97	6.45	3.11	2.18	3.67	2.15	3.38	2.46	4.55	42.08
Mansfield	3.07	2.12	2.30	2.74	7.39	2.65	3.55	3.76	4.10	2.51	1.79	3.14	39.12
Marietta (No. 1)	3.53	3.73	3.86	5.10	5.00	1.54	3.92	6.29	3.00	3.34	1.62	4.62	45.55
Marietta (No. 2)	3.69	3.88	3.23	4.46	5.03	1.43	3.04	4.57	3.72	2.45	1.83	4.40	41.73
Marietta Experiment Farm	3.15	2.33	3.88	4.84	4.15	1.96	2.75	4.71	2.58	3.81	1.64	4.47	40.27
Marion	3.27	1.33	2.34	2.48	4.34	1.16	5.10	3.18	4.80	2.38	1.90	3.43	35.71
Marysville	2.59	1.21	2.96	4.17	6.24	2.66	1.20	3.50	4.41	2.15	1.91	3.63	36.63
Medina	1.52	2.24	2.42	3.10	6.56	2.11	1.86	2.78	3.89	2.95	1.29	2.21	32.93
Milfordton	3.52	1.27	0.59	1.92	4.15	0.91	1.62	4.78	3.31	1.79	1.80	2.77	28.43
Millersburg	2.73	2.53	1.70	2.69	5.46	2.02	2.47	5.18	3.02	.....	.....	.....	.....
Milligan	.....	3.70	2.15	.....	.....	2.70	4.31	.....	.....	4.48	.....	.....	.....
Millport	2.07	2.28	1.30	2.77	4.51	1.18	2.73	3.86	2.82	2.93	1.82	3.37	31.64
Milton Dam	1.26	1.16	2.20	.....	.....	2.03	2.05	3.38	3.74	3.62	1.99	2.51	.....
Montpelier	2.97	4.82	2.43	2.13	3.04	1.46	1.27	0.65	4.35	2.81	3.14	6.24	35.31
Mount Healthy	3.98	2.63	4.01	3.26	4.70	7.75	3.30	5.34	3.90	2.94	1.70	3.54	47.05
Mulberry	5.53	1.92	0.98	4.09	4.17	6.19	3.47	5.97	3.39	3.31	2.47	4.90	46.39
Napoleon	3.47	1.99	2.26	2.31	2.52	2.06	1.10	1.54	6.57	2.68	2.05	4.84	33.39
New Bremen	2.66	0.84	2.55	2.66	3.25	2.44	3.86	3.03	4.35	1.59	1.86	2.98	32.07
New Carlisle	3.64	2.24	2.18	3.57	5.04	2.24	6.21	6.51	4.68	1.91	1.98	2.82	43.02
North Bass Island	.....	0.85	1.43	1.49	2.02	1.00	0.97	1.51	4.96	2.37	.....	2.53	.....
North Royalton	1.80	1.79	1.89	2.34	6.48	3.35	3.28	3.69	4.47	2.88	2.20	2.99	37.16
Norwalk	2.20	1.23	2.26	2.54	3.47	2.16	4.94	1.19	5.20	2.27	1.51	2.17	31.14
Oberlin	2.42	1.27	2.59	2.80	4.75	3.15	1.37	2.33	4.70	1.93	1.38	2.46	31.15
Ohio State University	4.35	2.60	1.78	2.92	4.53	1.91	3.49	7.08	3.01	2.22	1.48	3.78	39.15
Ottawa	2.65	1.50	1.65	3.50	3.53	1.76	1.34	4.57	4.89	2.20	1.81	3.08	32.48
Oxford	4.45	2.75	2.18	5.16	5.29	3.25	3.91	3.85	4.54	1.77	1.93	.....	.....
Pataskala	3.85	2.87	2.02	3.35	5.22	1.68	1.67	3.63	4.01	2.73	2.97	4.00	38.00
Paulding	2.04	1.19	.....	.....	3.22	1.97	1.74	1.02	.....	2.01	2.73	4.44	.....
Peebles	4.59	3.72	2.04	4.62	4.33	4.13	1.81	3.22	2.37	2.71	2.75	5.10	41.39
Philo (No. 1)	3.00	1.88	1.39	1.73	4.38	1.91	2.13	3.81	2.46	4.18	1.85	3.10	31.82
Philo (No. 2)	3.25	3.22	1.91	3.54	5.00	1.84	2.34	3.01	2.15	3.82	1.88	3.44	35.40
Piqua	.....	1.80	2.26	.....	4.71	2.82	3.23	3.77	4.43	2.32	2.40	3.48	.....
Plattsburg	2.83	1.73	2.06	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Portsmouth (No. 1)	3.80	2.83	3.87	4.02	3.89	4.03	2.71	2.62	2.33	3.41	2.93	3.53	39.97
Portsmouth (No. 2)	3.80	2.96	3.84	3.99	4.10	4.47	2.66	2.44	2.25	3.35	2.56	3.27	39.69
Prospect	.....	1.37	3.00	3.98	5.98	1.96	2.30	4.63	4.70	1.60	1.70	2.82	.....
Put-in-Bay	2.07	0.64	1.87	1.73	2.10	1.88	0.37	1.84	4.75	2.01	2.16	3.17	24.59
Roxabell	4.83	1.87	3.26	3.11	3.66	4.38	3.97	3.21	2.12	.....	2.97	.....	.....
Saint Paris	3.88	1.84	3.16	3.93	5.49	2.23	4.54	4.27	.....	2.57	2.58	3.81	.....
Sandusky	2.77	1.25	1.92	1.39	4.15	1.25	1.32	1.76	4.30	1.13	1.17	2.71	25.12
Sidney	3.08	1.02	3.03	3.26	5.19	2.49	5.94	5.20	3.74	2.90	2.36	3.56	41.86
Somerset	3.28	2.65	2.65	3.41	3.74	1.25	1.96	4.49	2.40	2.14	2.46	4.06	34.49
Springfield (No. 1)	3.94	2.79	1.85	2.89	4.90	3.29	4.64	6.46	3.88	2.79	2.19	3.11	42.73
Springfield (No. 2)	3.90	2.77	2.09	3.15	4.85	3.57	5.20	7.32	4.13	2.49	1.82	3.32	44.61
Summerfield	2.44	3.67	2.10	4.25	8.67	1.47	1.85	3.51	2.97	3.64	2.29	4.85	41.71
Syracuse	.....	.....	3.73	3.46	3.12	3.48	0.81	.....	.....	.....	.....	.....	.....
Tadmor	2.46	.....	1.40	.....	4.63	.....	2.61	4.80	3.20	1.30	2.60	3.24	.....
Tiffin	2.93	1.74	2.64	2.55	3.17	2.49	3.07	2.45	4.52	2.75	1.67	3.48	33.46
Toboso	3.39	.....	2.01	2.52	3.58	.....	2.10	3.59	3.60	2.22	2.06	3.46	.....
Toledo	3.65	1.99	2.25	2.43	1.60	1.53	0.95	2.11	7.78	2.99	1.46	3.04	31.78
Upper Sandusky	2.50	2.24	1.58	3.89	4.64	1.87	2.90	4.33	7.17	2.79	.....	3.13	.....
Urbana	3.58	1.45	3.23	4.53	5.65	2.75	2.84	5.05	4.28	2.90	2.41	3.11	41.78
Valley Crossing	3.75	2.39	1.72	3.00	3.98	1.56	3.09	5.55	3.33	2.12	1.44	3.61	35.54
Versailles	3.49	0.87	3.33	3.77	3.63	3.81	3.15	2.55	.....	2.34	1.66	3.24	.....
Vickery	1.87	1.17	2.08	1.67	2.54	2.30	0.36	1.95	5.08	1.59	1.38	2.82	24.81
Walhonding	2.15	1.40	1.31	2.95	5.55	0.64	1.30	4.07	2.43	2.58	1.27	4.27	29.92
Wapakoneta	2.53	1.50	1.67	2.31	6.02	3.56	2.18	2.00	3.97	2.38	1.88	2.47	32.47
Warren (No. 1)	2.33	1.32	3.09	3.24	4.66	3.31	0.69	2.19	4.27	3.06	1.91	2.66	32.73
Warren (No. 2)	3.65	2.48	2.16	2.07	.....	2.07	0.73	2.18	3.98	3.51	.....	1.64	.....
Washington Courthouse	4.43	2.19	2.85	3.54	3.51	4.92	1.89	3.27	2.98	2.72	1.74	3.49	37.53
Wauseon	3.33	2.60	2.05	2.47	1.98	1.78	2.44	0.78	4.94	2.56	1.50	3.37	29.80
Waverly	5.03	2.75	3.54	4.49	3.46	4.23	2.58	3.20	1.70	2.65	2.55	4.98	41.16
Waynesville	3.60	2.00	2.65	3.36	5.37	4.95	3.24	5.35	4.73	2.23	1.73	3.69	42.90
West Manchester	3.85	1.85	3.50	5.03	4.50	2.30	.....	5.05	3.45	1.99	1.00	3.71	.....
West Milton	2.85	1.27	2.25	4.23	4.62	2.37	2.82	5.14	4.50	2.48	1.59	2.75	36.87
Wickliffe	1.64	1.32	2.83	2.34	3.99	2.30	1.18	2.15	5.34	3.18	2.91	1.53	30.71
Wilmington	4.30	2.07	3.01	2.94	4.41	4.54	3.22	4.78	4.41	2.05	1.49	5.55	42.77
Wooster (No. 1)	2.66	2.39	2.01	2.96	4.88	1.91	2.68	3.03	3.27	2.82	1.43	3.71	33.75
Wooster (No. 2)	.....	2.28	2.30	2.71	4.94	2.63	2.32	4.02	3.02	2.83	1.23	2.99	.....
Xenia	.....	2.50	.....	2.33	3.81	3.05	2.49	4.65	2.35	.....	.....	4.64	.....
Youngstown	1.51	2.07	3.41	4.05	4.49	2.74	.....	.....	3.10	3.28	1.45	2.10	.....
Zanesville	2.73	3.13	2.31	3.14	5.32	1.24	3.51	4.94	2.56	3.46	1.51	3.99	37.84
Oklahoma.													
Ada	1.53	0.16	6.69	3.66	7.68	4.58	0.05	3.22	2.92	4.05	1.64	4.09	40.27
Altus	0.61	0.40	2.35	2.48	2.07	5.55	1.36	0.65	2.48	8.63	1.32	4.36	32.26
Alva	1.20	0.47	2.19	3.83	6.43	3.22	2.47	1.95	1.30	6.10	2.19	3.98	35.33
Antlers	.....	.....	3.54	6.74	3.94	4.07	T.	4.71	.....	3.28	8.36	6.25	.....
Apache	0.64	0.25	5.50	2.48	1.84	3.37	1.39	1.70	3.54	8.47	2.57	3.90	35.65
Arapahoe	1.02	1.02	1.74	1.97	4.08	2.31	0.30	1.36	2.85	7.44	0.73	3.73	28.55
Ardmore	1.20	0.18	1.97	5.92	3.20	3.19	2.54	0.31	9.04	4.20	2.99	3.77	38.51
Arnett	0.42	0.48	2.60	3.19	4.28	3.95	2.62	0.18	1.83	3.29	1.01	3.43	27.28
Bacone	1.48	0.40	1.74	1.84	3.44	1.92	.....	.....	.....	.....	.....	.....	.....
Bartlesville	1.38	0.01	2.83	2.21	3.62	2.30	0.78	3.02	3.10	2.81	6.74	4.62	33.42
Beaver	0.50	0.13	1.15	0.92	4.19	2.79	1.66	0.91	4.85	1.75	0.51	3.90	23.26
Billings	1.29	0.34	1.61	0.79	4.79	2.19	1.35	2.19	3.14	7.72	4.57	4.12	34.01

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Oklahoma—Continued.													
Blackwell	0.42	0.62	1.80	2.90	3.66	3.27	3.27	3.14	3.56	7.51	2.36	3.39	35.90
Bristow	1.50	.....	.....	.....	.....	.....	.....	.....	.....	4.50	4.38	3.37	.....
Broken Arrow	.....	.....	.....	.....	.....	2.28	2.36	1.98	5.57	4.81	5.37	3.34	.....
Broken Bow	2.38	.....	1.01	10.92	0.86	7.30	1.79	3.33	4.10	3.75	4.13	.....	.....
Buffalo	0.85	0.11	1.51	2.67	4.23	2.60	1.53	0.65	2.48	1.64	0.40	4.48	23.15
Calvin	1.13	0.11	3.44	3.82	5.56	3.58	0.34	2.81	3.99	3.70	2.53	3.34	34.35
Camargo	.....	.....	1.75	3.13	4.50	4.77	3.78	1.40	1.97	7.80	.....	.....	.....
Canton	0.49	0.20	2.92	3.75	3.00	4.18	1.59	4.26	0.74	5.69	1.47	4.09	32.38
Carnegie	0.31	0.25	1.72	1.70	2.31	3.30	0.12	1.78	3.15	7.28	2.23	2.92	27.07
Chandler	1.00	T.	2.08	4.66	4.38	3.81	0.89	0.39	3.45	4.58	5.30	3.00	33.54
Chattanooga	0.60	0.49	1.90	1.30	1.13	4.56	0.03	0.13	2.76	7.61	0.90	3.15	24.56
Cherokee	0.29	0.17	2.62	4.15	3.88	1.61	2.61	3.04	1.62	5.37	1.37	2.84	30.07
Chickasha	0.90	0.16	1.84	2.03	1.23	4.99	0.43	1.65	3.26	6.22	0.98	1.85	25.54
Claremore	1.38	0.22	3.11	4.27	3.57	1.30	1.01	1.97	4.71	4.85	6.61	3.69	36.69
Cleveland	1.25	0.08	2.26	2.96	3.62	4.52	2.74	4.77	1.82	3.55	5.90	3.65	37.12
Cloud Chief	0.67	0.30	1.88	2.96	5.83	2.66	0.58	1.81	4.74	7.78	1.21	3.08	33.50
Durant	1.31	0.25	2.75	9.97	3.57	4.72	0.47	0.37	4.90	3.97	6.36	4.58	43.22
Eldorado	.....	0.50	.....	1.57	1.09	5.33	.....	0.63	0.99	5.32	.....	.....	.....
Enid	1.00	0.55	2.07	4.46	4.07	3.34	1.67	1.75	1.31	8.25	2.35	3.80	34.62
Erick	0.01	0.58	1.68	2.14	4.31	2.06	2.26	0.85	1.63	4.49	0.65	5.44	26.10
Eufaula	1.60	0.68	3.29	2.78	4.87	2.37	0.12	1.77	2.93	4.26	2.28	3.60	30.55
Fort Gibson	3.18	0.35	1.37	2.92	3.89	1.93	1.45	3.92	7.28	5.33	3.28	3.10	38.00
Fort Reno	0.70	0.10	1.40	3.00	4.80	5.80	1.30	4.57	2.10	7.20	3.16	3.51	37.64
Frederick	1.52	0.38	1.46	1.62	1.82	5.39	0.84	0.36	2.80	10.29	1.76	3.12	31.86
Geary	1.29	0.31	1.57	3.05	3.31	4.07	0.60	1.19	1.75	7.72	1.14	4.01	30.01
Goodwell	0.47	0.17	1.32	1.81	3.46	0.72	1.41	3.75	1.75	1.73	0.74	2.80	20.13
Guthrie	2.35	0.10	1.34	1.87	9.49	4.67	0.19	1.96	4.09	5.94	6.90	2.56	41.46
Hammon	0.49	0.30	1.84	4.92	3.54	3.78	0.83	0.99	2.87	6.98	0.92	3.71	31.17
Healdton	0.90	0.14	2.36	6.61	1.28	5.04	0.10	0.48	4.54	6.60	3.22	5.12	36.39
Hennessey	0.80	0.10	.....	3.25	4.39	2.21	1.63	2.00	0.83	.....	.....	.....	.....
Hobart	0.27	0.39	1.88	1.23	3.14	4.19	0.09	0.95	4.05	6.76	0.74	3.00	26.69
Holdenville	1.67	0.08	4.68	2.90	5.02	4.46	0.57	1.06	3.96	4.69	1.62	4.25	34.96
Hooker	0.30	0.16	1.72	1.37	3.14	0.64	3.40	0.98	3.41	3.11	0.50	2.85	21.58
Hugo	3.01	0.70	4.55	4.44	2.90	2.78	0.31	6.10	4.30	2.65	8.44	5.17	45.35
Hurley	1.80	0.60	3.30	2.60	5.71	2.30	5.56	3.30	4.40	3.80	1.69	3.00	38.06
Jefferson	0.65	2.36	1.94	3.55	3.55	2.49	3.69	2.06	2.33	7.22	1.36	3.03	34.23
Kenton	0.90	0.88	3.57	1.95	2.21	2.70	1.99	1.28	3.50	2.87	0.62	2.30	24.77
Kingfisher	0.92	0.10	2.00	2.36	9.01	3.82	0.94	2.73	1.22	7.74	1.33	3.45	35.62
Lawton	0.40	0.26	2.36	2.69	1.27	2.82	1.20	0.69	4.53	9.93	1.13	4.15	31.43
Lawtonka Lake	.....	.....	.....	1.29	1.43	3.12	1.80	0.95	4.22	11.04	2.50	5.05	.....
Mangum	0.65	0.77	1.32	1.04	5.94	3.78	2.62	0.30	4.04	5.45	0.55	.....	.....
Marlow	0.40	0.10	1.77	3.48	2.55	4.82	1.05	2.68	3.49	6.29	1.64	4.47	32.74
McAlester	2.51	0.39	4.24	3.37	3.51	6.40	0.31	2.18	2.77	6.00	3.10	4.68	39.46
Meeker	1.25	0.02	2.07	4.23	8.60	2.58	0.95	1.46	2.65	6.33	2.72	2.05	34.91
Miami	1.10	0.65	1.24	4.44	4.01	1.37	1.68	4.26	5.35	6.87	6.28	3.81	41.06
Muskogee	2.25	0.30	2.05	3.05	3.87	1.59	2.88	2.26	7.34	5.73	3.19	3.61	38.12
Mutual	0.65	0.35	3.53	3.37	3.84	4.01	0.44	0.79	0.85	8.66	1.50	4.00	31.99
Newkirk	1.00	0.60	1.87	2.69	5.10	2.37	3.28	4.47	4.29	5.48	3.17	3.34	37.66
Norman	0.35	0.07	2.58	2.53	5.39	5.85	1.11	5.81	6.94	6.29	3.07	4.72	44.71
North Muskogee	1.42	0.29	1.46	2.83	3.06	1.86	1.15	1.77	5.42	5.10	3.99	3.03	31.38
Oakwood	0.60	.....	.....	.....	.....	.....	1.04	1.65	1.63	5.12	1.49	2.96	.....
Okeene	0.66	1.11	2.35	3.23	4.38	2.88	1.44	1.88	0.90	8.02	2.24	3.08	32.17
Okemah	1.08	0.04	3.48	3.17	5.37	0.37	1.15	2.86	7.21	4.18	3.77	.....	.....
Oklahoma	0.95	0.07	1.55	2.45	8.31	3.09	0.13	1.91	4.28	5.31	3.53	3.04	34.62
Okmulgee	1.10	0.10	4.39	2.64	5.46	1.53	0.19	1.19	2.76	4.99	2.91	4.36	31.62
Pauls Valley	0.96	0.24	4.58	3.24	2.70	6.90	1.40	2.23	3.63	3.90	2.54	3.22	35.54
Pawhuska	1.76	0.29	1.39	3.06	5.01	4.02	2.25	.....	0.73	4.19	4.34	2.80	.....
Perry	1.06	0.18	1.86	3.41	4.79	3.99	1.19	1.83	.....	8.31	4.30	3.88	.....
Poteau	.....	.....	.....	.....	.....	.....	0.49	1.86	3.61	3.48	4.70	4.26	.....
Rankin	0.15	0.57	1.94	2.28	2.28	2.77	2.36	1.65	1.07	4.09	2.28	3.58	25.02
Ravia	1.46	0.14	1.77	9.55	3.78	2.74	0.57	0.82	5.81	3.25	3.38	3.79	37.04
Reno Junction	.....	.....	2.08	3.02	5.62	2.83	1.57	1.07	2.12	.....	.....	.....	.....
Sac and Fox Agency	1.03	T.	2.52	2.70	6.02	4.34	2.01	1.92	4.14	4.68	2.85	3.73	34.94
Sallisaw	3.32	1.00	1.50	3.04	7.24	1.91	0.60	1.00	3.60	3.50	3.00	5.32	35.03
Shawnee	0.54	0.10	4.14	2.91	6.08	2.76	1.67	2.36	5.47	6.76	2.06	3.76	38.61
Snyder	0.14	0.65	1.71	1.91	2.13	2.88	1.80	0.45	1.64	6.64	6.43	3.47	29.85
Stillwater	1.48	T.	1.63	3.86	7.10	3.86	1.26	1.40	5.36	5.88	4.65	3.37	39.85
Sulphur	0.62	.....	.....	.....	.....	.....	.....	.....	4.15	4.37	2.56	3.92	.....
Tamaha	.....	0.58	1.65	2.54	5.78	1.14	1.16	1.71	4.38	4.39	3.19	4.18	.....
Tahlequah	1.57	0.74	1.53	3.60	4.71	1.94	0.96	0.99	5.06	4.00	2.61	4.36	32.07
Tulsa	1.49	0.23	3.41	5.06	3.33	5.59	1.99	1.55	4.75	3.84	5.33	4.09	40.86
Tuskahoma	1.05	T.	2.10	4.30	2.01	.....	.....	3.88	4.40	4.99	5.49	5.95	.....
Union City	.....	.....	1.16	2.00	5.10	5.50	T.	2.80	2.50	6.50	.....	.....	.....
Vinita	1.71	0.35	1.55	4.17	4.22	2.94	0.86	8.97	5.00	5.97	6.82	3.74	46.30
Wagoner	1.43	0.24	1.92	2.18	4.19	1.51	1.72	1.73	.....	.....	.....	.....	.....
Walter	.....	.....	.....	0.78	1.01	.....	.....	.....	.....	.....	.....	.....	.....
Waukomis	1.00	0.52	2.43	3.97	4.40	3.66	1.73	1.91	1.04	8.99	2.51	3.56	35.72
Waurika	0.50	0.46	0.51	3.81	1.75	1.81	1.00	0.72	3.18	5.37	1.84	3.84	24.79
Weatherford	0.52	0.49	1.77	2.31	5.18	3.62	0.53	2.04	3.56	6.36	1.41	2.92	30.71
Webbers Falls	1.00	0.04	0.75	2.25	5.03	1.16	0.65	2.65	5.61	3.72	3.33	6.09	32.28
Whiteagle	0.72	0.00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Wichita National Forest	0.50	.....	.....	1.73	2.31	5.10	0.00	.....	4.00	8.20	.....	.....	.....
Woodward	1.60	0.22	1.85	2.51	4.49	2.11	1.79	0.70	1.26	3.54	1.73	3.58	25.38
Wyandotte	1.52	0.20	2.42	4.16	4.40	1.52	1.40	2.20	8.10	6.24	5.56	3.64	41.36
Oregon.													
Agency Plains	0.93	0.87	0.35	0.04	1.01	0.81	0.73	0.47	0.88	1.44	0.94	0.36	8.83
Agness	8.30	11.89	7.17	2.22	0.77	0.00	0.23	0.87	0.68	1.53	8.71	.....	.....
Albany	6.37	7.55	3.47	1.23	1.19	0.02	0.61	0.60	0.55	3.86	5.26	3.60	34.31
Andrews	0.37	0.18	0.81	0.05	0.27	0.40	0.16	0.20	0.89	1.10	0.91	0.07	5.04
Ashland	2.89	2.82	1.63	0.59	0.83	0.42	0.02	0.67	3.90	2.38	3.15	1.86	21.15
Astoria	.....	11.45	9.22	2.93	2.70	0.84	0.67	2.03	0.01	8.18	9.01	11.22	.....
Austin	5.23	1.64	0.74	0.67	0.35	0.05	0.85	0.77	0.66	2.54	1.15	0.94	15.60
Baker	1.93	0.43	0.62	0.38	0.02	0.19	1.12	0.92	0.53	0.71	0.56	0.20	7.71
Bear Creek	2.22	1.55	0.46	0.95	1.02	0.18	1.09	0.66	1.83	1.14	0.84	0.74	11.83
Bear Valley	2.56	0.89	0.43	0.54	0.35	1.36	0.25	0.54	2.10	1.11	0.10	0.48	10.71

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Oregon—Continued.													
Beech Creek	3.15	1.25	0.47	0.50	0.33	0.72	1.03	0.63	0.98	1.78	0.75	0.50	12.09
Bend	0.88	2.21	0.22	0.22	0.76	0.95	0.69	0.16	1.61	1.53	0.86	0.20	10.27
Big Eddy	2.10	1.75	0.12	0.21	1.04	0.01	0.04	0.23	2.53	1.93	0.58	0.81	11.35
Blitzen	0.34	0.35	0.76	0.05	0.35	0.14	0.18	T.	0.52	1.45	0.20	0.45	4.79
Brookings	9.49	10.03	10.40	2.23	0.61	0.01	0.34	1.12	0.53	1.95	7.14	7.04	49.69
Bue	3.18	2.09	1.53	1.46	0.69	1.15	0.92						
Burns	1.16	0.75	0.71	0.20	0.32	0.92	0.37	1.25	1.50	0.67	0.00	0.15	8.00
Cascade Locks	16.43	9.58	6.04	3.09	3.93	0.15	1.95	0.65	0.91	8.66	7.93	8.41	67.73
Cascadia	14.13	9.42	3.77	3.72	3.62				0.10	6.72	7.43	6.18	
Cazadero	8.24	8.70	5.43	1.80	2.75	0.09	1.48	1.06	0.40	5.10	6.56	5.36	46.97
Chiloquin	1.99	2.32	1.20	0.55	0.32	0.07	0.42	0.35	3.79	2.64	1.78	0.86	16.29
Conder	1.88	2.13	0.85	0.16	0.28	0.08	1.18	1.12	0.62	1.15	0.83	0.68	10.96
Condon	1.58	0.79	0.17	0.10	0.60	0.31	0.18	0.65	2.17	1.63	0.84	0.38	9.40
Coquille River Lighthouse	5.56	8.71	5.64	1.90	1.16	T.	0.59	0.46	1.30	1.20	6.82	7.07	40.41
Cornucopia	8.03	7.07	4.26	1.73	0.46	0.27	0.93	3.00	1.74	4.82	3.73	2.49	38.54
Corvallis	7.26	7.69	3.20	1.26	1.11	0.00	0.45	0.43	0.56	2.60	4.69	4.27	33.52
Cottage Grove	5.82	7.85	3.73	1.34	1.55	0.00	0.17	1.08	1.00	2.02	6.49	3.36	34.41
Cove	7.17	2.15	1.36	1.12	0.53	0.77	1.52	1.63	1.22	2.86	1.13	0.90	22.36
Crescent	3.48	3.47	1.95	0.20	0.54	1.00	0.93	0.06	1.98	1.99	1.81	1.01	18.42
Dayville	1.51	0.65	0.35	0.18	0.42	0.62	0.57	0.96	0.48	0.82	0.92	0.34	7.82
Deadwood	17.33	19.96	9.85	3.08	3.35	0.04	0.82	1.30	0.67	6.41	6.82	10.05	79.70
Detroit	15.18	7.17	2.76	1.40	1.41	0.07	0.77	0.45	0.00	4.28	5.84	4.22	43.55
Doraville	8.32	6.87	3.82	2.19	1.93	0.24	0.53	1.55	0.54	5.44	6.91	5.48	43.82
Drain	6.83	9.61	3.89	1.22	2.73	0.20	0.35	1.48	1.01	2.27	5.91	4.17	39.67
Drewsey	1.24	1.16	0.66	0.02	0.05	0.13	0.31	0.68	2.05	1.51	0.46	0.46	8.73
Dufur	1.31	1.94	0.29	0.16	1.16	0.11	0.48	0.53	2.84	2.66	1.11	0.78	13.37
Echo	1.27	1.10	0.33	0.06	0.36	0.08	0.56	1.15	0.40	1.20	0.69	0.63	7.83
Eugene	4.94	6.21	3.31	1.01	2.23	0.02	0.19	0.98	0.74	2.63	5.24	3.90	31.40
Fergusons Ranch					0.37	0.05	0.42	1.37	0.17	1.04	0.77	0.75	
Fish Lake						0.08	0.16	1.01	2.77	3.28	4.72	3.16	
Florence	12.27	10.86	6.48	1.97	1.17	0.37	1.57	1.67	0.85	4.39	9.80	6.21	57.61
Foothills Orchard	3.02	4.47	2.01	0.56	0.61	0.00	0.00	0.26	2.16	1.81	2.31		
Forest Grove	5.31	7.94	4.14	1.40	1.32	0.07	0.95	0.71	0.50	3.87	5.97	5.51	37.69
Fremont	0.76		0.47	0.09	0.16	0.02	0.31	0.72	1.92	1.28	0.77	0.26	
Gardners Ranch	2.28	2.38	1.26	0.33	0.55	0.30	0.03	0.51	3.49	1.64	2.17	1.26	16.20
Glencoe	2.42	0.77	0.79	0.09	0.52								
Glenora	16.20	19.08	11.72	4.49	2.84								
Gold Hill	4.42	4.51	2.40	0.51	0.48	0.00		0.73				0.92	
Government Camp	24.95	9.36	5.76	3.56	6.37	0.00	2.35	1.75	1.35				
Grants Pass	3.15	5.87	3.30	0.94	0.71	T.	0.14	0.62	1.90	1.41	3.06	2.51	23.61
Grass Valley	1.35	1.95	0.64	0.25	1.09	0.65	0.09	0.93	1.31	1.60			
Gumboot	2.44	4.00	2.75	1.57	0.68	0.76	0.86	1.71	0.84	2.57	2.88	1.04	22.10
Hampton								0.50	3.38	0.85	0.50	T.	
Harriman	0.77	0.13	0.31	0.04	0.18	1.55	0.18	0.60	1.30				
Headworks (near)	12.93	10.48	5.81	3.56	4.73	0.20	1.83	1.30	0.69	7.76	7.88	6.86	64.03
Heppner	2.81	1.39	1.05	0.35	1.05	0.33	2.10	1.65	0.59	2.06	0.88	0.96	15.22
Hermiston	1.08	0.72	0.27	0.01	0.38	0.10	0.18	1.35	0.27	0.95	0.62	0.60	6.53
Hilgard	4.96	1.58	1.04	0.48	2.32	2.57	2.82	1.38	1.35	3.55	1.36	1.51	24.92
Hillcrest Orchard	2.95	2.39	2.11	0.40	0.91	0.05	0.00	0.44	1.97	1.58	2.16	1.70	16.66
Hood River	5.90	3.62	1.29	0.54	2.32	T.	1.38	0.44	0.82	3.27	3.49	2.37	25.44
Howardville	6.19	3.24	1.20	1.35	0.61	1.35	1.97	1.59	1.03	4.10	1.86	1.43	25.92
Huntington								0.48					
Ibex Mine	6.83	4.45	1.78	0.87	0.32	1.46	0.61	0.64	1.55	1.97	2.09	1.53	24.10
Jacksonville	3.27	3.84	2.39	0.55	0.53	0.10	0.06	0.42	1.33	1.48	3.54	2.11	19.62
Joseph	1.99	2.00	2.23	0.12	1.00	0.42	0.17	3.52	2.06				
Klamath Falls	1.17	1.02	0.79	0.32	0.12	0.08	0.26	0.09	1.85	1.82	1.44	0.55	9.51
La Grande	5.75	1.15	0.75	0.44	0.37	1.50	1.08	1.00	0.83	1.65	1.30	0.76	16.58
Lake Creek	5.45	3.90	2.23	0.49	1.46	0.32	0.28	0.52	2.46	3.55	2.66	0.98	24.30
Lakeview	0.93	0.67	1.48	0.27	0.57	0.12	0.04	0.04	1.39	0.65	0.96	0.47	7.59
Lapine			1.34	T.	0.55	0.56	1.08	0.31	0.56	2.10	1.02	0.43	
Lebanon	5.75	6.01	3.61	2.00	2.32	0.00	0.59	1.21	0.52				
Lilyglen	5.27	4.66	2.03	0.89	1.29	0.16	0.42	0.91	3.05	3.70	3.64	2.32	28.34
Longwood	4.42	5.06	1.31										
McKinley	11.00	10.59	5.67	2.23	1.91	0.00	0.43	0.70	1.28	1.88	7.68	7.57	50.94
McMinnville	6.04	7.44	3.66	1.20	0.85	T.	0.25	0.26	0.08	2.83	4.11	4.76	31.48
Marshfield	8.32	11.94	6.57	3.15	2.22	0.08	0.58	0.75	0.51	2.10	8.70	7.49	51.41
Maury	1.36	1.12	0.25	T.	0.57	0.35	0.48	0.51	1.51	1.06	1.00	0.68	8.91
Medford	2.17	2.64	1.69	0.39	0.54	0.01	0.03	0.25	1.67	1.57	2.29	1.44	14.69
Merlin					0.00	0.00							
Merrill	1.02	0.90	0.78	T.	0.48	0.09	0.00	0.08	1.47	0.84	0.66	0.54	6.86
Mikkalo	1.70	1.14	0.29	0.15	0.42	0.20	0.16	0.42	1.38	0.72	0.78	0.67	7.98
Milton	2.67	1.34	0.83	0.54	0.82	0.20	0.95	0.82	0.78	1.24	0.84	0.82	11.25
Miramonte Farm	5.50	7.85	4.76	1.16	1.40	0.02	0.29	0.19	0.38	4.43	4.23	4.60	34.81
Mira Vista	3.30												
Modoc Orchard	3.27	3.77	1.81	0.38	0.68	0.06	T.	0.40	1.11	1.57	2.88	2.11	18.04
Monument	3.01	1.39	0.50	0.72	0.61	1.25	0.60	1.28	0.76				
Moro	1.81	1.53	0.49	0.27	0.88	0.12	0.11	0.90	1.03	1.58	1.00	0.91	10.63
Mount Angel	6.94	8.28	3.95	1.68	1.69	0.00	0.81	1.10	0.11	5.49	5.53	4.95	40.53
Newhalls Orchard	2.86	3.24	1.96	0.47	0.61	0.10	0.05	0.36	1.50	1.36	2.77	1.68	16.96
Newport	10.54	13.20	6.11	1.69	2.07	0.34	1.49	1.55	0.71	4.29	9.45	9.11	60.55
Nyssa	1.19	0.67	1.21	0.44	0.01	0.48	0.27	0.45	1.20	1.43	0.39	0.30	8.04
Oakridge	9.97	6.92	3.01	1.32	1.80	0.00	0.09	0.89	0.40	3.44	5.63	2.58	36.05
Ochoco	3.06	1.90	1.27	0.14	1.31	1.01	0.89	0.60	1.30	2.27	1.48	0.69	15.92
Orchard Home	2.49	2.76					0.03	0.40					
Ortley	3.98	2.90	0.48	0.18	1.59	0.00	0.50	0.26	1.23	2.45	1.83	1.46	16.95
Paisley (near)	0.28	1.00	1.13	0.29	0.50	0.31	0.24	0.06	1.77	0.28	0.72	0.12	6.70
Parkdale	5.79	7.54	1.70	1.08	1.96	0.00	1.05	0.20	1.01	4.21	4.29	3.09	31.92
Pendleton	1.94	0.68	1.02	0.30	0.34	0.66	0.74	1.47	0.67	1.74	0.80	0.65	11.01
Pilot Rock	2.41	0.81	0.56	1.11	0.27	0.43	0.55	0.94	0.95	2.34	0.47	0.67	11.51
Portland	4.68	6.77	3.47	1.13	1.38	0.12	1.08	0.31	0.66	4.47	4.30	3.13	31.50
Port Orford	8.10	10.13	7.30	3.90	1.00	0.00						8.88	
Power House	3.33	2.47	2.31	0.82	1.31	0.37	2.55	0.59	0.85	1.97	1.33	1.51	19.41
Prairie City	3.90	0.73	0.50	0.54	0.22	0.29	0.65	0.66	0.90	1.63	0.83	0.48	11.33
Princeton	0.82	0.55	0.84	0.10	0.10	0.70	0.00	0.72	1.62	0.92	0.78	0.72	7.87
Prineville	1.04	0.86	0.53	T.	1.23	0.22	0.42	0.38	0.22	1.25	0.78	0.48	7.41
Prospect	7.84	5.78	3.71		1.10		0.62	0.53	1.37	3.29	4.55	1.99	

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Oregon—Continued.													
Ramsey	1.60	1.83	0.32	0.19	1.17	0.01	0.39	0.66	2.22				
Range	3.89		0.29	0.07	0.36	1.93	0.05	0.81	0.08		0.55		
Ray Creek	2.25	1.00	0.64	0.54	0.65	0.20				1.75	0.64		
Reservoir No. 3	0.95	0.61	0.49	0.03	0.00	0.09	0.58	0.63	1.33	1.04	0.82	0.36	6.93
Richland	1.65	0.16	0.61	0.35	0.00	0.07	0.54	1.20	0.69	2.59	0.36	0.85	9.07
Riddle	3.65	5.06	2.23	1.10	0.70	0.07	0.72	1.42	0.69	1.40	3.69	2.28	23.01
Rio Hermoso	0.76										0.36	0.09	
Riverside	1.30	1.65	0.43		T.	0.85	1.25	0.93	1.78	0.90	0.59	0.22	
Roseburg	3.56	4.96	2.57	0.71	1.34	0.33	0.57	1.05	0.59	1.18	4.73	3.26	24.85
Salem	4.39	5.68	3.51	1.22	1.08	0.00	0.67	0.67	0.17	2.83	3.94	3.76	27.92
Sherman	0.87	0.90	0.40	T.					2.68	1.05			
Silver Lake	0.48	1.04	0.51	0.09	0.11	0.00	0.41	0.43			0.52	0.30	
Siskiyou	3.00	7.98	3.37	0.78	1.18	0.49	T.	0.82	3.77	2.45	4.28	3.61	31.73
Sisters	2.60	2.07	0.61	0.10	0.43	0.76	1.04	0.59	1.00	1.59	1.68	0.50	12.97
Sparta	4.65	1.03	0.90	0.12	0.01	0.19	0.43	1.37	1.56	2.97	1.17	1.69	16.09
Stafford	4.59	6.81	4.33	1.28	1.03	0.00	0.62	0.51	0.30	4.87	4.69	3.69	32.74
Stanfield	1.26	0.91	0.30	0.05	0.45	0.00					0.60		
Starkey	2.52	0.85	0.62	0.31	0.27	0.82	1.69	1.05	1.28	2.55	0.52	0.84	13.32
Sunrise Valley	1.25	0.70	1.05	0.11	0.07				1.07	1.55	0.48	0.21	
Talent	2.38	2.63	1.40	0.64	0.68	0.31	0.02	0.57	2.96	2.20	2.52	1.74	18.05
The Dalles	2.42	1.87	0.14	0.24	1.16	0.00	0.24	0.30	1.40	2.18	1.03	1.01	11.99
Tillamook	16.45	14.53	10.30	3.82	3.35								
Toledo	16.00	14.39	7.37	2.49	2.66	0.31	1.48	1.44	0.50	4.72	10.30	10.59	72.25
Tule Lake	0.63	0.55	0.81	0.08	0.39	0.04	T.	0.10	1.17	1.40	1.15	0.82	7.14
Umatilla	1.03	0.48	0.16	0.03	0.37	0.07	0.08	0.92	0.14	1.27	0.61	0.56	5.72
Umpqua	9.48	12.74	6.57	3.75	2.21	0.20	1.10	1.10	0.00	2.06	5.12	4.35	48.68
Union	2.43	0.64	0.74	0.46	0.15	0.49	1.62	1.31	0.83	1.78	0.88	1.11	12.44
Vale								0.35	1.04	0.65	0.48	0.02	
Valley Falls	0.39	1.16	1.44	0.40	0.76	T.	0.35	0.54	1.29	0.28	0.82	0.08	7.49
Vistillas	2.05	1.81	2.84	0.59	0.47	0.10	0.00	0.56	1.09		2.02		
Waldo	4.14	12.93	7.30	1.74	0.57	0.00	0.08	0.78	2.15	1.41	9.04	3.89	44.03
Wallace Orchard	4.99	7.45	4.35	1.40	1.49	T.	0.40	0.89	0.30	3.69	4.61	4.48	28.03
Wallowa	2.68	3.23	1.09	0.70	1.06	0.57	1.65	1.44	1.21	1.70	0.96	0.48	16.77
Wamic	1.86	1.85	0.22	0.25	0.73	0.09	T.	0.57	3.47			1.23	
Warmspring	1.24	0.59	0.54	T.	0.60	0.50	0.49	0.44	1.73	1.84	0.75	0.63	9.35
Wasco	2.27	2.17	0.39	0.19	1.05	0.28	0.10	0.57	1.06	1.49	0.89	0.68	11.14
Wedderburn	6.22	9.11	8.70	2.29									
Welches (near)	15.23	9.11	3.60	3.23	4.13	0.22	2.33	2.10	0.60	6.41	6.74	6.57	60.27
Weston	3.09	2.13	1.20	0.52	1.35	0.30	0.70	0.83	0.71	1.59	2.04	1.78	16.24
Williams	3.76	6.03	3.09	0.78	0.95	0.02	0.00	0.40	1.61	1.24		1.85	
Yonna	1.24	1.23	0.74	0.28	0.53	0.04	0.05	0.00	1.29	0.99	1.06	0.78	8.23
Pennsylvania.													
Aleppo	3.00	2.76	1.90	3.44	6.42								
Allentown	5.15	2.36	2.04	4.89	3.96	3.04	2.57	4.20	2.91	1.02	1.55	3.75	37.54
Altoona		1.61	1.47	4.55	4.84	2.95	1.68	7.18	3.00	3.78	1.67	2.93	
Ansonia	2.67	1.52	3.89	3.71	4.82	3.54	2.59	3.83	6.22	3.80	1.05	1.57	39.21
Arendtsville									3.11	2.33	2.04	4.49	
Austin	2.15	1.21	2.21			6.01	0.91	5.01	5.12	5.57	3.49	1.51	
Beaver Dam	2.23	2.59	1.30	3.23	5.73	1.30	3.03	2.60	3.15	3.03	1.63	3.44	33.76
Beaver Falls	2.15	2.32	1.29	3.55	5.00	1.99	3.70	2.47	2.75	3.25	1.78	2.97	33.22
Bellefonte	3.26	2.36	2.70	5.68	7.33	3.63	3.59	6.44	2.91	3.76	2.42	2.49	46.57
Bethlehem	4.45	2.67	1.30	6.98	6.05	3.42	5.28	3.16	2.94	0.64	2.21	4.07	43.17
Bloserville	6.00	2.91	2.01	8.83	6.65	5.55	5.87	9.46	3.20	3.43	0.82	4.31	59.04
Bradford	2.45	3.45	4.98	2.68	5.32	5.40	3.03	4.36	6.13	4.17	2.05	3.18	47.20
Bradys Bend				3.52	6.01	3.97	2.74	6.98	2.98	4.24	2.14	2.17	
Brookville	2.64	1.72				4.95	2.93	4.00	2.65	1.45	0.92	1.70	
Browers Lock	4.64	2.37	2.06	3.32	4.52	3.85	2.54	1.02	2.17	0.81	2.67	4.20	34.17
Bustleton									3.86	1.29	2.94	5.74	
Carlisle	5.32	2.35	1.75	7.83	2.86	2.36	2.54	4.50	3.23	2.96	1.35	4.02	41.07
Catawissa	3.08	1.84	2.60	5.97	4.27	2.96	3.89	5.05	6.44	4.10	1.74	2.35	44.29
Center Hall	2.90	0.65	0.92	4.16	6.02	3.27	3.33	3.61	4.11	2.58	0.86	1.83	34.24
Chambersburg	4.03	1.98	1.05		2.96	4.16		5.36					
Clarion	4.22	2.64	3.06	1.84	6.50	4.23	1.71	5.76	4.32	4.58	2.24	2.96	44.05
Claysville	3.14	2.20	1.24	3.42	4.97	2.05	1.08	5.44	2.51	3.61	1.94	4.23	35.83
Clearfield	2.91	4.25	3.15	3.66	7.04	5.55	2.59	3.06	4.27	5.48	1.44	3.40	51.82
Coatesville	4.43	1.31	2.10	3.72	2.81	2.60	1.73	2.16	3.51	1.07	2.06	4.70	32.70
Colebrook	4.55	2.53	1.83	6.08	4.37	2.89	2.96	4.81	3.28	1.57	2.31	4.90	41.97
Confluence	4.71	4.17	2.59	4.51	8.06	2.85	2.22	5.18	2.62	3.21	2.54	5.03	47.69
Coraopolis	2.07	2.35	1.56	2.92	5.18	2.21	2.88	4.02	2.25	3.42	1.59	3.08	33.53
Corry	1.90	1.30											
Davis Island Dam	2.57	2.97	1.58	3.04	4.53	3.05	4.24	3.43	2.65	3.80	1.47	3.84	42.17
Derry	4.05	2.92	2.37	3.91	4.43	2.37	2.43	6.79	3.76	4.28	1.83	3.77	42.91
Doylestown	4.14	2.51	1.55	3.86	5.70	5.72	1.22	2.54	3.43	2.24	1.66	3.96	38.53
Drifton	3.50	2.84	1.96	5.43	3.80	4.25	4.28	2.41	4.78	3.35	2.30	3.20	42.10
Ebensburg	5.27	3.11	1.84	3.22	5.11	2.89	1.67	6.53	3.52	4.22	1.41	2.13	40.92
Edinboro	1.71	2.96	3.78	3.49	3.33	3.14	2.36	1.80	7.52	3.99	3.39	3.36	45.54
Elk Lick	3.62	4.37	3.22	5.35	4.81	2.80	1.42	5.11	1.82	2.81	1.54	4.53	41.40
Emporium	2.60	3.60	4.46	3.58	6.41	5.82	2.30	7.10	5.57	4.55	2.72	3.14	51.85
Ephrata	3.90	3.41	1.51	5.03	4.56	3.17	3.10	1.50	3.35	0.44	1.90	4.38	36.25
Erie	1.75	1.41	4.08	2.81	2.94	4.45	4.96	1.68	5.49	3.85	2.33	2.41	38.11
Everett	4.60	3.15	1.79	4.71	4.57	4.35	2.34	4.05	2.73	2.28			
Franklin	2.16	3.20	4.08	3.88	4.85	3.19	3.45	3.71	4.00	4.68	2.09	3.09	42.38
Freeland	3.55	2.01	1.92	5.62	3.36	3.89	4.28	1.52	5.58	3.19	2.31	3.09	40.32
Freeport	2.84	2.32	1.88	2.95	7.50	3.31	3.54	5.56	2.84	3.25	1.95	3.21	41.15
George School	3.36	2.14	1.88	3.37	5.88	3.74	4.22	1.05	3.63	0.96	2.21	3.73	36.67
Gettysburg	5.00	1.92	1.65	5.74	2.69	3.81	4.44	3.12	2.63	2.07	2.40	4.31	39.78
Girard											2.87	3.45	
Girardville	4.98	2.87	2.37	7.07	6.06	4.55	5.57	2.72	5.31	2.96	2.40	3.45	50.31
Gordon	5.05	2.54	1.80	5.87	7.09	3.59	4.93	3.07	5.31	3.39	2.43	3.55	48.62
Gouldsboro	2.80	3.48	1.72	6.52	3.73	3.21	2.73	4.24	1.70			2.96	
Greensboro	3.16	3.08	2.32	3.88	4.12	5.70	2.94	5.90	2.32	2.64	1.82	3.13	41.00
Greensburg	3.20	3.09	2.01	3.37	7.25	2.41	1.68	7.83	4.38	4.14	1.92	3.43	48.90
Greenville			3.55	3.33	6.40	2.52	3.10	3.89	5.57	4.16	1.80	2.67	
Grove City	1.51	2.12	1.85	4.37	8.37	3.83	3.13	3.57	4.78	5.51	4.07	2.74	45.56

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Pennsylvania—Continued.													
Hamburg	4.96	4.07	2.25	5.99	7.04	4.06	2.98	2.39	4.87	2.40	2.98	4.93	48.92
Hanover	4.75	1.59	1.73	6.14	3.07	1.67	2.10	5.98	3.03	0.90	1.58	4.32	36.86
Harrisburg	5.69	2.12	1.56	4.74	2.95	2.49	3.34	2.54	2.92	2.17	1.45	3.65	35.62
Herrs Island Dam	2.57	2.05	1.15	2.25	4.27	2.58	2.61	4.42	2.38	3.32	1.85	3.08	32.53
Holtwood	4.73	1.67	1.92	3.92	2.68	1.49	2.02	1.14	3.60	0.79	1.99	4.02	29.97
Honesdale	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.83	.....	.....	.....
Huntingdon	4.36	2.39	2.22	5.90	4.61	3.02	1.87	5.49	2.60	2.97	1.14	2.91	39.48
Hyndman	3.55	2.38	1.79	4.42	3.03	.....	3.43	2.75	2.19	2.24	0.44	3.45	.....
Indiana	4.35	3.31	2.22	3.97	5.66	4.13	1.96	6.76	5.79	4.64	2.31	3.76	48.86
Irwin	2.41	2.25	2.03	2.42	5.74	3.15	1.74	5.48	3.41	4.41	2.19	3.79	39.02
Johnstown	4.74	4.16	2.89	4.16	5.50	3.59	1.86	6.29	2.43	4.34	2.14	4.86	46.96
Lancaster	4.77	1.64	1.83	5.03	3.04	1.71	4.14	1.43	3.44	0.85	1.55	4.62	34.05
Lansford	2.46	2.58	2.25	5.32	7.94	3.33	4.83	1.13	3.75	2.75	2.13	2.94	41.41
Lawrenceville	1.58	0.55	4.00	4.48	7.52	3.95	3.20	4.27	5.74	2.98	1.63	0.90	40.80
Lebanon	3.55	2.61	1.87	6.08	3.47	2.38	1.21	2.57	3.37	1.91	2.43	5.01	36.46
Lewisburg	4.50	1.62	3.07	6.39	3.48	3.59	2.59	4.46	4.46	3.40	2.29	2.94	42.79
Linesville	1.84	1.79	3.74	2.81	4.11	3.53	1.94	2.76	5.94	3.73	2.84	2.89	37.92
Lloyd	2.43	1.88	3.82	3.41	6.81	3.91	2.69	3.75	6.13	3.75	0.85	2.08	41.51
Lock Haven	4.25	3.12	3.26	5.34	5.57	3.92	2.64	4.30	4.29	4.70	1.39	2.61	45.39
Lock No. 4	3.23	2.94	1.72	2.42	4.22	2.92	1.43	6.15	3.77	3.92	1.96	3.57	38.25
Lycippus	3.68	2.65	2.38	4.97	7.34	2.74	4.42	5.28	2.87	4.92	2.28	4.45	47.08
Lykens	3.60	2.40	1.48	5.94	5.58	3.14	5.60	2.66	6.02	3.85	2.30	2.56	45.13
Mauch Chunk	4.48	3.18	2.53	7.29	5.19	4.48	3.53	5.87	3.81	2.87	2.88	4.50	50.61
Media	2.47	1.52	0.93	3.46	6.64	0.44	.....	.....	.....	.....	2.45	2.20	.....
Mifflintown	4.02	2.18	1.73	6.18	5.14	3.77	5.62	3.68	5.36	3.54	2.19	2.67	46.08
Milford	3.80	0.77	1.83	4.45	4.45	2.30	2.74	4.19	3.20	2.21	2.93	2.95	35.82
Montrose	2.05	1.90	3.60	4.64	6.89	5.13	4.00	4.25	6.67	5.37	1.97	2.64	49.11
Mosgrove	2.88	2.62	2.31	2.53	7.17	2.23	2.06	5.21	2.98	3.69	2.04	3.27	38.99
Mount Pocono	7.28	3.07	1.46	7.11	5.90	4.80	9.96	3.22	4.25	5.75	4.06	3.80	60.66
Muncy Valley	2.33	2.62	1.99	4.82	4.50	5.36	4.22	5.33	5.95	4.67	2.66	2.92	47.37
Neshaminy Falls	3.82	2.39	2.05	3.57	5.49	4.26	3.58	2.39	4.19	1.29	2.60	3.28	38.91
New Castle	1.72	2.56	3.22	7.85	6.78	2.11	3.14	2.36	2.56	3.42	1.77	2.81	40.30
Palmerton	3.69	3.14	2.03	5.25	8.12	3.63	1.77	2.73	3.28	2.18	1.73	4.46	42.01
Parkers Landing	2.93	3.10	3.52	3.14	6.56	3.53	4.10	4.21	3.63	4.69	2.44	3.07	44.92
Philadelphia (a)	4.06	1.57	2.30	4.42	6.81	2.15	2.46	3.35	3.76	0.69	1.93	4.23	37.73
Philadelphia (d)	3.83	0.76	2.55	3.76	6.88	2.69	2.09	2.99	3.95	1.34	1.70	3.90	36.44
Phoenixville	4.65	2.13	1.79	4.17	4.04	3.14	2.34	2.20	2.46	0.56	1.98	4.30	33.67
Pittsburgh	2.82	1.87	1.25	2.73	3.89	2.40	2.22	4.84	2.22	3.08	1.79	3.50	32.61
Pottstown	4.85	2.38	1.50	3.17	4.92	3.45	2.23	2.98	2.39	1.24	1.99	4.31	35.38
Pottsville	3.73	2.85	2.11	5.57	5.35	3.29	3.43	4.92	4.52	2.98	2.49	4.15	45.85
Punxsutawney	5.61	4.13	2.42	3.58	6.72	3.83	3.69	8.02	3.78	3.65	2.36	4.03	51.82
Quakertown	4.91	3.46	2.06	4.46	5.00	3.64	2.10	2.31	3.21	1.52	2.59	5.21	40.47
Reading	4.64	2.64	1.83	5.02	4.90	2.94	2.43	3.00	2.64	0.74	1.79	4.74	36.41
Renovo	1.32	2.21	2.88	2.92	5.81	3.98	3.03	4.56	6.73	6.77	1.14	1.29	42.64
Ridgway	2.10	2.27	4.22	2.61	3.92	6.83	2.56	2.26	3.76	4.52	1.93	1.84	38.82
Sadsburyville	5.57	2.06	1.91	.....	3.30	2.59	1.80	1.33	3.45	1.46	2.23	5.00	.....
Saegerstown	2.14	2.64	4.28	3.39	3.59	4.34	3.05	1.67	5.07	4.24	2.52	3.25	40.18
Saltsburg	4.36	1.55	0.87	2.82	4.76	2.56	1.53	5.35	4.71	4.25	1.40	1.83	35.99
Scranton	4.71	1.26	2.23	3.98	3.58	2.60	2.59	4.04	4.59	3.25	1.04	2.88	36.75
Selinsgrove	.....	.....	.....	.....	1.81	2.89	4.01	2.32	3.68	3.74	1.98	2.93	.....
Sharon	2.35	2.10	3.47	4.00	4.99	2.38	2.64	2.27	3.87	3.84	2.39	2.29	36.57
Shawmont	4.27	2.05	1.93	3.16	5.56	4.65	0.77	2.93	4.28	0.83	2.40	4.28	37.11
Somerset	6.92	4.82	3.23	6.25	5.97	4.01	3.17	5.21	2.13	3.83	2.91	5.54	53.99
Springdale	2.74	2.55	1.83	3.03	5.73	3.57	1.68	3.53	3.45	2.72	2.23	3.80	36.86
State College	2.57	2.60	2.48	4.08	5.87	2.44	2.76	4.71	3.24	3.26	1.73	2.59	38.28
Stroudsburg	4.46	3.05	2.46	5.77	4.70	3.25	6.10	1.12	5.15	1.91	2.28	3.82	44.07
Sunbury	3.85	3.50	.....	4.65	6.14	3.21	3.84	1.77	4.93	4.19	1.45	2.66	.....
Towanda	2.89	0.69	3.55	4.40	5.53	2.96	3.91	4.95	4.46	4.05	1.47	1.29	40.15
Uniontown	3.03	2.99	2.01	4.55	4.27	4.92	3.27	5.47	1.90	3.20	1.93	3.62	41.16
Vandergrift	2.41	3.07	1.49	2.99	4.75	2.06	1.38	5.03	3.02	3.60	2.25	3.33	35.40
Warren	1.20	3.36	4.38	2.42	4.08	5.51	3.50	3.43	5.07	3.31	1.92	3.11	41.29
Waterville	2.14	2.24	2.73	4.90	5.82	6.29	1.76	4.67	4.85	4.94	1.22	2.71	44.27
Weikert	4.06	2.50	2.94	6.16	3.75	2.85	3.15	5.11	4.61	3.34	2.52	2.35	43.34
Wellsboro	1.96	1.72	4.08	4.04	4.01	4.11	2.90	3.42	5.68	3.97	1.29	1.79	38.97
West Bingham	1.50	2.17	4.13	3.42	5.11	3.01	3.08	6.62	4.67	2.65	2.57	2.01	40.94
West Chester	5.14	1.74	2.20	4.51	4.20	3.11	2.44	2.75	3.14	1.62	2.34	4.23	37.42
West Newton	3.41	3.55	2.26	2.93	6.32	3.55	1.57	5.75	4.59	4.00	2.75	3.84	44.52
White Haven	3.47	1.51	2.25	5.51	3.63	3.37	4.49	3.35	5.88	3.31	2.27	3.38	42.42
Wilkes-Barre	2.70	1.51	1.83	4.64	6.07	2.63	3.14	2.59	6.41	2.78	1.40	1.94	38.64
Williamsport	3.24	2.24	2.65	4.97	4.38	3.34	2.45	4.27	5.88	3.21	1.90	2.07	40.60
York	3.88	1.26	1.83	5.73	2.52	2.06	3.75	3.35	2.86	1.19	1.67	3.84	33.44
Porto Rico.													
Albonito	2.21	4.21	3.32	5.12	3.91	3.69	4.29	1.71	5.10	.....	11.14	2.55	.....
Anasco	2.53	7.28	4.73	8.64	9.70	.....	13.50	15.50	9.20	11.32	11.46	2.79	.....
Arecibo	3.85	4.20	3.40	1.60	6.85	2.77	5.10	1.40	4.30	5.63	12.75	6.40	58.25
Bacupey	0.97	2.94	2.07	2.18	7.61	4.86	7.05	3.52	.....	.....	9.55	1.97	.....
Barceloneta	4.64	.....	.....	3.29	5.51	1.94	1.55	3.10	2.65	4.72	4.96	4.83	.....
Bayamon	3.41	6.40	2.13	2.15	10.26	4.10	8.39	3.68	6.78	4.96	6.35	7.85	66.46
Cabo Rojo	0.54	4.95	5.25	5.41	.....	5.30	4.42	5.46	5.72	8.63	9.88	2.31	.....
Caguas	1.19	1.80	.....	.....	.....	6.65	6.74	2.23	7.26	9.18	8.04	1.74	.....
Camuy	0.76	2.78	1.85	2.51	5.10	2.70	2.15	1.37	.....	3.40	6.95	.....	.....
Cangrejo	0.60	6.94	2.32	1.00	5.35	3.30	4.79	2.64	5.85	8.20	5.25	6.00	52.24
Canovanas	3.22	4.52	3.42	3.30	7.47	8.47	6.92	5.78	10.38	9.88	5.79	6.41	75.56
Carite Camp	2.12	4.21	3.26	3.45	3.89	7.40	8.56	3.82	13.06	14.68	9.44	4.41	78.30
Cayey	1.98	4.10	1.62	2.57	2.80	7.29	4.74	2.70	7.07	7.30	9.16	3.21	54.49
Central Aguirre	0.12	0.58	0.57	1.53	0.47	2.32	2.58	1.71	9.97	5.74	4.88	2.04	32.51
Cepero	3.32	6.63	2.82	2.64	9.12	3.12	8.46	0.92	3.53	1.75	5.54	5.65	53.50
Coloso	0.80	2.60	6.28	5.17	8.99	10.25	12.05	7.23	7.96	7.40	7.14	2.33	78.20
Comerio Falls	2.78	6.11	2.77	1.64	9.17	3.54	4.91	3.38	9.57	6.93	6.19	5.06	62.05
Corozal	2.58	9.07	3.51	1.97	9.92	4.87	4.54	5.69	7.74	6.66	5.57	5.95	68.07
Destino	0.10	0.25	0.10	1.50	0.85	2.85	0.90	0.75	7.85	3.35	8.10	1.45	28.05
Dorado	1.77	6.69	3.75	2.09	7.03	4.21	3.33	3.05	5.86	4.31	3.07	8.82	53.48

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Porto Rico—Continued.													
Fajardo	3.25	2.39	1.63	2.13	3.09	4.30	3.85	1.64	6.25	5.20	7.97	5.48	47.18
Guanica Centrale	0.00	4.08	2.30	1.25	4.42	2.24	0.88	1.60	8.55	2.40	6.16	1.70	35.58
Guayama	0.54	1.75	0.96	2.49	1.06	3.91	5.87	2.24	9.35	9.81	5.93	5.43	49.34
Humacao	2.13	3.65	2.51	3.75	6.44	5.54	7.21	2.51	16.03	11.08	8.91	5.32	75.08
Inabon Falls	2.50	2.75	8.00	9.00	13.75	9.25	8.75	7.75	10.50	13.25	12.00	3.00	100.50
Isabela	3.52	2.50	1.22	6.46	2.96	3.90	1.78	2.94	6.92	1.08	4.73	3.12	41.13
Isidora	0.26	0.30	0.10	0.82	0.83	1.59	1.22	1.18	6.79	3.95	4.09	1.36	22.49
Jajome Alto	2.24	4.41	3.93	4.07	3.03	6.91	7.17	2.69	10 66	10.04	10.04	4.28	69.47
Jayuya	1.02	4.01	7.46	4.01	9.01	8.93	4.31	9.07	8.98	5.80	8.72	1.63	72.95
Josefa	0.10	1.30	0.91	2.36	0.84	3.27	.....	.....	8.60	7.85	5.45	1.50	.....
Juana Diaz	0.57	2.61	2.89	5.53	6.95	2.52	0.52	2.18	9.29	8.24	6.66	0.91	48.87
Juncos	.....	.....	.....	.....	7.30	5.38	6.56	0.88	10.21	8.22	.....	2.92	.....
Lares	0.72	3.81	1.78	8.34	10.60	6.75	6.27	9.77	*8.23	9.43	14.86	2.02	82.58
Las Marias	3.70	3.55	6.05	6.60	11.50	10.05	5.45	10.50	6.35	5.50	5.91	1.25	76.41
Manati	3.40	7.58	2.71	1.68	5.29	3.37	3.52	3.30	3.24	4.19	7.75	4.80	50.83
Maricao	2.30	3.75	6.41	8.56	14.50	10.93	14.75	7.39	.....	.....	.....	.....	.....
Mayaguez	2.31	5.29	3.63	6.06	13.49	8.68	8.53	12.83	8.90	10.47	7.47	1.08	88.74
Mona Island	0.38	2.09	1.93	2.72	3.33	4.56	3.10	2.55	1.79	4.56	12.65	3.19	42.85
Naguabo	2.18	2.72	3.57	2.30	5.09	6.27	4.94	2.74	8.48	8.08	9.03	2.82	58.22
Patillas Dam	1.12	2.57	1.53	2.23	2.24	7.31	5.18	2.90	11.08	9.89	4.39	3.33	53.77
Penuelas	.....	.....	.....	.....	.....	0.50	0.45	1.43	11.18	6.43	9.20	1.85	.....
Ponce	0.42	1.27	1.29	1.79	2.17	2.73	0.48	0.86	7.89	.....	.....	.....	.....
Potala	0.60	1.28	0.56	1.43	1.94	2.05	1.09	0.50	10.30	3.30	7.22	0.69	30.96
Rincon	.....	.....	.....	.....	.....	2.18	6.81	8.49	5.33	10.10	.....	.....	.....
Rio Blanco	2.22	4.59	3.26	2.53	3.95	6.31	5.20	1.88	9.32	9.77	11.23	5.27	65.53
Rio Grande (El Verde)	4.78	6.20	1.99	3.53	11.43	9.41	9.04	3.50	9.94	8.89	12.00	6.28	86.99
Rio Piedras	2.91	6.61	3.23	1.87	7.72	4.83	8.86	2.67	6.23	5.59	6.47	5.51	62.50
Sabana Grande	0.40	4.04	3.74	4.88	12.57	.....	.....	.....	6.60	12 71	.....	.....	.....
San German	0.73	4.04	3.85	7.57	10 64	3.44	2.03	3.56	5.29	8.29	7.16	3.81	65.41
San Juan	1.26	7.84	2.89	1.71	4.31	4.17	5.71	2.78	5.58	7.77	4.24	4.61	52.87
San Salvador	1.10	5.36	6.19	5.34	7.66	7.36	4.98	8.51	8.05	10.34	11.06	2.13	78.08
Santa Isabel	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.74	.....	.....	.....
Toro Negro Dam	1.45	3.73	4.57	5.94	6.94	3.78	7.61	4.57	12.49	11.50	10.09	4.96	83.63
Vieques	1.41	2.04	2.56	1.63	4.20	8.67	3.24	2.12	4.49	5.20	11.47	2.37	49.40
Yabucoa	2.20	2.77	1.95	4.67	7.88	7.48	6.73	2.58	13.66	9.03	6.58	5.42	70.95
Rhode Island.													
Block Island	2.80	2.09	2.54	3.41	2.89	4 84	1.75	1.48	3.31	0.86	1.37	4.44	31.78
Bristol	2.58	2.37	2.23	4.91	1.45	2.92	2.35	3.48	4.50	0.91	2.00	3.62	33.32
Kingston	3.77	4.79	2.72	5.60	2.09	4.71	2.53	2.61	5.46	1.42	3.05	4.81	43.56
Narragansett Pier	3.32	3.96	2.78	4.99	2.44	4.88	2.57	.....	.....	.....	.....	.....	.....
Providence	3.11	2.87	1.77	3.74	2.07	3.12	4.44	2.41	8.04	0.65	2.01	3.14	37.37
South Carolina.													
Aiken	2.79	2.04	1.57	5.04	1.60	2.88	4.33	1.97	1.53	2.85	3.34	3.76	33.70
Allendale	.....	.....	.....	4.74	2.79	4.43	3.78	3.17	3.73	0.67	.....	.....	.....
Anderson	7.21	2.53	2.22	6.23	2.70	3.78	6.41	5.01	3.50	5.89	3.27	7.71	56.55
Batesburg	4.45	2.09	2.24	6.32	5.03	3.86	1.99	3.50	2.82	2.99	3.57	4.91	43.77
Beaufort	.....	0.81	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Blackville	4.16	1.71	1.54	7.34	3.00	5.95	3.50	4.62	2.10	2.15	3.32	3.17	42.56
Blairs	5.21	1.87	2.15	6.06	3.13	2.67	3.18	5.82	2.71	3.42	2.62	4.04	42.90
Bowman	2.13	2.35	2.07	4.76	2.32	3.49	9.70	5.86	4.93	1.46	4.30	6.72	50.09
Calhoun Falls	5.87	1.94	2.08	5.75	2.28	5.14	7.06	5.99	3.79	4.66	4.34	7.85	56.75
Camden	1.83	1.65	1.81	5.86	1.75	3.04	3.28	4.72	3.38	1.28	2.51	4.31	35.42
Catawba	5.85	1.48	2.79	6.84	2.76	3.24	4.74	2.63	4.40	2.79	3.73	3.48	44.73
Centenary	3.02	1.70	0.89	12.58	3.55	5.56	4.56	5.61	5.27	2.24	1.33	7.43	53.72
Chappells	5.32	1.82	1.36	5.15	3.62	3.01	5.96	3.52	2.12	3.43	3.45	4.54	44.80
Charleston	1.13	1.31	1.65	2.49	3.65	0.27	7.69	2.87	3.10	1.66	2.34	3.17	31.33
Cheraw	2.78	1.62	1.61	6.80	4.13	1.88	4.30	3.71	3.33	2.66	2.47	3.94	39.23
Clemson College	10.11	2.70	2.78	4.25	1.77	4.48	6.48	5.36	4.00	10.55	3.00	7.59	63.07
Columbia	2.16	1.42	1.54	7.23	1.56	3.08	1.15	4.78	3.31	1.41	2.15	3.91	33.70
Conway	3.70	2.72	0.85	8.99	3.37	2.53	5.11	7.40	2.96	0.73	3.56	7.72	49.64
Darlington	2.27	0.80	0.72	6.18	5.56	.....	.....	4.38	5.22	3.10	2.40	5.55	.....
Edgefield	5.37	1.31	1.16	7.05	3.70	3.97	1.45	2.52	2.26	2.65	2.67	4.62	38.73
Edisto	2.19	1.57	1.61	3.62	2.29	5.44	7.16	2.66	3.38	1.64	3.19	4.87	39.62
Effingham	2.16	1.79	0.69	8.33	7.30	2.05	5.93	5.33	5.39	1.65	2.44	5.06	48.12
Ferguson	2.62	1.95	1.36	6.11	5.08	2.70	5.46	3.37	6.12	2.69	3.67	5.70	46.83
Florence (No. 1)	1.56	1.43	2.20	5.74	7.68	3.18	4.95	4.69	6.02	2.57	1.68	5.46	47.16
Florence (No. 2)	2.40	1.49	1.37	7.94	8.28	3.43	6.75	4.47	5.90	2.30	1.77	6.04	52.14
Garnett	.....	.....	.....	.....	.....	.....	.....	.....	4.83	0.90	4.25	4.11	.....
Gaston Shoals	7.29	2.11	2.99	4.97	4.17	4.43	4.98	3.09	5.90	7.49	2.68	5.27	55.37
Georgetown	4.00	1.85	2.75	8.60	4.76	1.70	8.32	3.00	3.65	0.50	3.55	6.31	48.99
Greenville	7.42	2.99	2.56	4.84	5.61	5.96	2.14	2.07	4.38	11.41	3.18	7.37	60.93
Greenwood	5.94	1.97	2.22	4.91	2.17	3.62	4.50	4.25	3.37	4.86	3.90	6.12	47.83
Heath Spring	3.07	1.70	2.18	5.66	1.91	2.73	2.19	3.72	3.25	2.01	2.90	3.79	35.11
Kershaw	5.64	1.48	2.27	5.28	3.41	2.61	2.85	3.63	3.50	1.58	2.66	4.62	39.53
Kingstree	2.96	2.09	1.59	5.41	3.73	1.82	5.26	5.71	5.81	2.82	2.36	5.44	45.00
Landrum	6.26	2.69	2.19	3.81	2.95	7.69	4.72	4.14	5.66	12.15	3.04	7.55	62.85
Laurens	.....	.....	.....	.....	.....	2.39	7.34	5.13	3.85	8.95	4.08	5.88	.....
Liberty	10.40	3.55	2.34	4.11	3.53	3.86	6.82	8.11	5.00	9.95	3.63	9.20	70.59
Little Mountain	8.78	1.80	2.02	5.68	2.70	2.62	3.30	3.36	2.11	3.37	3.24	4.80	43.78
Meriwether	7.64	1.50	.....	.....	1.00	4.80	.....	.....	2.61	2.90	3.71	3.89	.....
Monetta	3.20	1.82	2.56	5.72	2.68	3.84	5.24	2.85	1.55	2.94	3.22	4.06	39.70
Mountain Rest	7.51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Newberry	6.29	1.70	2.31	6.23	4.36	2.96	3.61	6.22	3.08	3.15	2.97	4.58	47.46
Oaks	2.62	1.97	1.02	15.11	6.17	1.32	7.15	1.99	3.24	0.64	3.89	5.75	59.88
Orangeburg	3.10	1.30	1.40	3.55	2.07	5.00	6.11	7.00	2.70	1.30	2.67	4.47	40.67
Paris Island	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.51	5.89	1.16	.....
Pelzer	8.36	2.16	2.06	4.54	3.24	2.86	5.36	7.12	4.18	9.51	3.13	6.38	59.29
Pinopolis	1.56	1.98	1.14	.....	.....	2.92	8.91	3.36	.....	0.87	4.85	4.67	.....
Rimini	2.96	1.94	1.53	3.97	1.38	3.94	5.75	4.98	4.07	1.92	2.12	6.00	41.06
St. George	1.96	1.74	1.01	3.11	4.57	1.44	5.28	4.31	2.09	0.92	3.56	4.73	34.72
St. Matthews	2.87	2.33	1.56	4.31	2.53	4.48	6.95	5.28	2.83	1.47	2.74	4.63	42.00
Saluda	5.57	2.00	1.60	5.58	3.31	3.25	4.27	3.15	1.95	2.76	2.68	5.22	41.34
Santuck	5.60	1.50	2.34	5.43	2.52	3.86	5.73	3.57	3.82	4.23	3.98	4.79	47.37

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
South Carolina—Continued.													
Society Hill	2.66	1.58	2.16	6.04	6.52	1.47	3.13	3.33	4.85	3.87	2.57	4.46	42.74
Spartanburg	6.27	2.64	2.80	3.46	1.95	3.44	4.50	2.00	4.43	8.39	3.29	5.63	48.80
Summerville	1.62	1.66	0.97	5.44	2.96	3.42	8.56	5.65	7.03	1.38	4.07	6.05	48.81
Trenton	.....	.....	1.16	6.05	5.79	4.46	3.41	1.76	2.02	1.90	2.40	4.44	.....
Walhalla	7.71	3.25	2.00	3.58	1.58	3.25	4.06	3.19	3.52	13.91	3.52	13.44	63.01
Walterboro	7.16	2.75	1.57	5.13	3.05	2.90	4.96	3.54	4.61	1.45	4.17	2.80	39.09
White Oak	7.20	1.53	2.82	6.40	4.31	4.10	2.93	5.97	2.71	3.45	3.01	4.23	48.66
Winthrop College	4.98	1.37	1.90	7.30	3.58	3.13	5.71	2.83	5.80	3.17	3.16	4.90	47.83
Yemassee	1.77	1.19	1.74	4.19	4.73	3.06	4.13	4.17	4.63	1.69	3.38	3.51	38.19
South Dakota.													
Aberdeen	0.62	0.82	1.80	3.25	4.53	1.73	3.23	5.59	0.40	1.20	1.19	0.80	25.16
Academy	1.29	0.70	1.20	2.08	3.87	3.55	2.87	2.59	0.22	0.56	0.84	2.11	22.48
Alexandria	0.69	.....	.....	3.02	5.38	3.54	6.94	2.38	0.52	.....	.....	.....	.....
Ardmore	0.48	0.29	0.60	3.01	5.99	1.75	3.49	0.46	3.01	0.45	0.25	0.66	20.44
Armour	0.66	0.27	1.18	2.14	3.98	4.42	3.56	1.92	0.58	1.03	1.22	1.68	22.64
Bellefourche	1.22	0.60	0.82	1.59	2.42	0.77	2.06	1.59	3.32	T.	0.23	0.31	14.93
Bison	0.70	0.30	0.80	2.67	2.21	2.64	1.78	2.38	0.44	0.27	0.63	0.60	15.42
Britton	0.36	0.15	0.80	2.63	3.23	2.01	3.61	3.07	T.	0.66	1.85	1.00	19.37
Brookings	0.19	0.14	0.44	1.28	3.40	1.85	3.95	4.19	0.72	1.56	1.61	1.09	20.42
Bryant	0.41	0.33	0.71	1.51	4.91	3.54	4.79	1.95	0.34	2.05	2.27	0.85	23.66
Camp Crook	0.35	0.13	0.28	0.83	.....	.....	.....	.....	.....	.....	.....	.....	.....
Canton	1.30	0.40	0.55	.....	4.82	5.42	3.66	3.36	1.09	2.20	2.55	1.01	.....
Castlewood	0.39	0.27	0.74	1.95	4.37	3.26	3.12	1.84	0.45	2.38	4.92	1.17	24.86
Cedarbutte	.....	.....	.....	.....	.....	.....	2.06	2.22	0.86	0.68	.....	.....	.....
Cedar Canyon	1.31	0.40	1.75	.....	2.39	.....	1.02	.....	.....	.....	.....	.....	.....
Centerville	1.48	0.62	1.50	1.66	5.96	3.73	3.63	3.69	0.87	1.93	2.41	1.12	28.60
Chamberlain	.....	0.60	1.55	2.15	.....	.....	.....	.....	.....	.....	.....	.....	.....
Clark	0.91	0.60	1.70	2.52	4.37	5.12	2.72	3.21	0.84	0.92	2.84	1.20	26.95
Colome	1.37	0.40	1.75	3.19	1.67	0.98	1.80	2.63	0.86	0.76	0.41	2.17	17.99
Cottonwood	0.33	0.15	0.34	2.27	2.78	1.37	2.29	3.43	1.43	0.28	0.11	0.25	15.03
Crow Creek	1.83	0.47	.....	3.05	3.51	2.60	6.06	.....	.....	.....	2.35	.....	.....
Custer	.....	0.33	.....	3.25	2.81	2.29	6.57	1.36	3.35	0.28	.....	0.20	.....
Deadwood	1.38	0.70	1.20	6.75	3.20	2.90	3.85	2.70	4.10	1.35	0.62	1.80	30.55
Deerfield	1.07	0.57	0.44	2.84	1.70	2.54	5.49	1.50	3.51	0.30	0.40	0.28	20.64
De Smet	.....	.....	.....	1.79	5.39	3.13	5.39	1.97	0.12	1.79	.....	.....	.....
Dowling	2.50	0.97	2.28	3.34	2.49	1.48	1.36	4.43	0.87	0.19	0.19	0.57	20.67
Dumont	2.15	1.16	0.64	4.45	1.41	3.77	3.92	2.30	3.40	0.34	0.95	1.01	25.50
Eagle Butte	0.40	0.46	1.30	3.38	2.90	0.32	1.57	4.80	0.79	1.17	0.12	0.62	17.83
Eales	0.99	0.71	1.76	1.62	3.12	1.22	0.78	2.76	0.17	0.87	0.28	0.84	15.12
Elk Mountain	0.84	0.37	0.29	2.23	1.92	3.62	3.06	2.73	.....	0.14	0.23	0.47	.....
Ellingson	1.20	T.	1.20	1.66	.....	.....	.....	.....	.....	0.41	0.17	0.38	.....
Eureka	0.50	0.60	0.58	1.98	1.97	0.93	1.03	1.77	0.36	0.55	0.53	0.20	11.00
Fairfax	1.17	0.81	1.29	1.92	3.77	2.97	1.74	2.62	1.05	1.22	0.90	1.75	21.21
Faulkton	0.60	1.06	2.00	3.24	3.99	2.66	2.59	3.80	0.48	0.47	1.68	1.20	23.77
Flandreau	0.16	0.04	0.90	1.86	5.19	1.44	3.38	3.04	1.18	1.09	2.17	1.06	21.51
Forestburg	0.29	0.35	1.07	2.42	5.57	1.82	.....	3.01	0.77	1.34	1.79	1.47	.....
Fort Meade	1.10	0.60	0.34	1.72	.....	1.70	4.50	.....	2.39	.....	.....	.....	.....
Gann Valley	0.94	0.47	1.27	2.83	2.63	2.44	6.44	2.94	0.87	0.83	1.19	0.60	23.45
Goldfield	.....	.....	.....	.....	.....	2.72	1.11	2.13	1.17	0.42	.....	1.00	.....
Greenmont	4.50	1.05	1.21	6.38	2.05	3.18	4.76	1.22	4.51	0.40	0.80	2.80	32.86
Hardingrove	0.93	1.28	1.42	2.16	2.81	0.30	1.99	3.81	1.04	0.25	0.25	0.63	16.87
Hardy Ranger Station	3.05	0.83	0.95	4.75	1.73	3.38	3.96	2.06	3.89	1.24	1.00	1.57	28.41
Harveys Ranch	2.56	0.99	1.89	4.21	3.82	3.30	5.19	5.80	1.05	0.17	0.70	1.16	30.84
Hermosa	0.48	0.19	0.19	1.19	3.95	2.40	3.93	2.54	2.11	0.32	.....	0.20	.....
Highmore	0.60	0.25	0.67	2.57	3.57	1.59	5.26	1.88	0.62	0.49	1.10	0.86	19.46
Hopewell	0.77	1.35	0.93	2.59	2.07	1.70	1.55	4.18	0.77	0.87	0.38	1.50	18.66
Hot Springs	1.41	0.40	0.30	3.40	2.99	3.24	4.90	4.22	3.11	0.35	0.32	0.58	25.22
Howard	0.38	1.10	1.23	1.95	3.33	2.89	6.23	2.58	1.24	1.29	.....	.....	.....
Howell	0.30	0.41	1.09	2.12	3.29	3.14	4.26	1.97	0.32	0.32	1.50	0.37	19.09
Huron	0.71	0.65	1.11	1.94	3.62	2.64	6.36	2.73	0.28	1.34	1.74	0.91	24.03
Interior	1.30	.....	0.23	3.59	5.47	1.61	2.23	3.17	1.71	0.33	0.12	0.56	.....
Ipswich	0.14	0.40	1.20	2.07	2.73	1.83	2.17	3.19	0.29	0.51	1.65	0.37	16.55
Jefferson	1.20	1.15	1.70	3.06	3.53	0.61	1.36	3.11	0.11	0.25	0.48	0.87	17.43
Kadoka	.....	2.40	1.62	6.15	3.57	1.59	2.07	4.60	0.77	0.84	.....	0.77	.....
Kennebec	1.70	0.90	1.06	2.62	3.50	2.91	5.10	1.46	0.44	0.67	0.61	1.42	22.39
LaDelle	0.43	0.35	0.67	3.20	5.69	3.12	3.18	3.62	0.35	2.55	2.87	1.44	27.47
Lead	2.86	1.01	1.65	7.82	3.06	2.62	3.64	2.30	3.84	0.91	0.58	1.06	31.35
Lemmon	0.30	0.15	0.51	2.59	1.87	2.88	1.11	1.61	0.17	0.32	0.55	0.10	12.16
McIntosh	0.85	0.40	0.80	2.75	2.63	2.03	0.43	1.67	0.70	0.24	0.50	0.70	13.70
Marion	0.53	1.14	2.16	1.78	4.94	3.69	3.85	3.07	1.33	3.23	2.85	1.15	29.72
Marston	1.47	1.32	1.89	2.95	3.02	1.48	2.76	3.40	1.30	0.66	0.51	0.94	21.70
Meadow	0.70	0.65	1.50	2.46	3.00	1.60	2.29	2.31	0.49	0.70	0.13	0.40	16.25
Mellette	0.40	0.80	1.90	2.58	3.64	2.34	4.02	2.62	0.85	0.55	2.90	1.35	23.95
Menno	.....	0.80	0.10	2.52	5.80	3.93	4.32	2.74	0.93	1.60	2.40	1.90	.....
Milbank	2.10	1.62	2.71	2.17	3.85	2.95	1.64	2.31	0.30	1.93	2.15	2.19	25.92
Mitchell	0.60	1.28	2.16	2.82	5.11	5.27	6.69	2.75	0.72	1.32	1.14	1.15	31.01
Mobridge	0.35	1.20	0.70	1.61	2.20	2.72	1.91	2.91	.....	1.20	0.47	0.75	.....
Murdo	.....	.....	0.30	2.30	3.54	1.77	1.93	2.11	.....	.....	0.12	.....	.....
Oelrichs	0.60	0.10	0.10	2.92	3.33	1.91	2.28	0.60	.....	.....	0.20	2.40	.....
Onaka	0.35	0.40	1.97	1.70	2.11	2.14	2.95	3.91	0.34	0.60	0.55	0.71	17.73
Onida	0.53	0.78	1.43	2.92	3.06	1.41	3.12	1.98	0.83	0.41	0.42	0.63	17.52
Orman	0.72	0.35	0.86	2.43	2.22	1.91	2.54	3.22	3.17	0.12	0.07	0.36	17.97
Ottumwa	1.70	0.57	0.70	4.27	.....	0.80	1.76	4.10	0.83	0.40	0.03	0.95	.....
Pearl Creek	.....	.....	1.63	1.39	4.34	1.90	4.65	.....	.....	2.10	2.17	1.19	.....
Pierre	1.06	0.63	1.47	2.60	3.02	1.59	2.04	2.30	0.64	0.41	0.45	1.45	17.68
Pine Ridge	0.63	0.15	0.93	4.03	2.53	2.61	3.84	1.27	1.31	1.96	0.65	1.25	21.15
Pollock	1.07	0.25	0.98	2.57	2.73	1.23	0.96	1.75	0.37	.....	.....	0.55	.....
Rapid City	1.25	0.45	0.70	2.87	4.10	1.23	4.12	2.64	2.06	0.29	0.21	0.46	20.38
Redfield	0.17	0.14	1.15	2.17	3.39	2.56	1.66	2.77	0.46	0.20	2.50	1.48	18.87
Redig	0.76	0.50	0.86	2.53	1.85	0.86	1.10	2.56	0.63	0.23	0.21	0.28	12.37
Rochford	1.68	0.56	0.66	4.40	1.53	5.41	4.65	1.40	3.61	0.41	0.38	0.85	25.54
Rosebud Agency	1.60	0.45	1.75	3.37	3.09	0.57	3.58	2.74	1.90	0.96	0.17	.....	.....
Roslyn	0.48	0.28	0.51	1.63	2.26	2.47	1.93	4.79	T.	0.98	1.27	0.83	17.43
Sioux Falls	0.71	0.26	1.02	1.41	4.11	5.77	2.41	3.71	1.10	1.43	2.02	1.67	25.62

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
South Dakota—Continued.													
Spearfish	0.52	0.30	1.24	2.70	2.65	2.06	2.72	1.68	4.62	T.	0.21	0.64	19.34
Stephan	0.50	0.40	0.78	2.58	3.35	3.31	6.98	.....	.....	.....	.....	.....	.....
Timber Lake	.....	0.80	1.65	4.24	4.45	0.90	1.45	4.15	0.25	.....	.....	0.80	.....
Tyndall	0.21	0.14	1.16	3.12	4.56	4.89	2.51	3.04	1.17	0.93	1.81	1.82	25.36
Vale	0.91	0.63	1.15	1.62	2.15	2.20	2.78	1.82	3.07	0.13	0.33	0.44	17.23
Vermillion	1.33	0.97	1.19	1.50	7.20	4.13	2.16	4.26	1.34	2.49	2.55	1.43	30.55
Vivian	.....	0.50	0.50	3.92	3.33	1.70	2.07	3.32	0.75	0.82	0.22	.....	.....
Wagner	1.20	0.40	0.65	4.36	5.86	5.10	3.90	2.53	0.76	0.95	1.50	1.55	28.76
Waters Ranch	1.17	0.59	1.43	3.69	3.98	2.63	3.31	2.39	4.86	0.17	0.23	0.83	25.28
Watertown	0.52	0.40	1.12	1.70	4.73	3.95	1.62	2.00	0.35	1.53	2.97	1.40	22.29
Wentworth	0.35	0.16	1.00	1.52	4.88	2.37	6.59	3.97	1.13	0.02	2.11	1.36	26.06
White Lake	0.76	0.29	1.64	2.31	3.28	5.31	3.98	3.42	.....	1.00	0.53	1.51	.....
Wood	1.60	0.33	1.07	2.66	2.90	0.83	3.19	4.07	1.32	0.44	0.42	1.31	20.14
Yankton	1.02	0.99	1.50	2.40	8.34	3.38	2.56	2.42	1.03	1.46	2.38	1.08	28.56
Tennessee.													
Arlington	4.30	2.78	0.62	4.55	5.84	5.07	1.76	2.98	6.54	1.98	2.68	3.42	42.52
Ashwood	7.10	1.80	1.30	3.26	4.05	3.15	4.30	1.90	3.70	6.25	2.60	3.74	43.15
Bluff City	6.89	1.79	3.25	3.12	4.11	5.67	4.87	1.89	4.10	7.86	1.64	2.18	47.37
Bolivar	3.13	1.92	1.00	5.19	3.43	2.40	2.25	2.36	3.31	2.73	1.83	3.79	33.34
Brownsville	6.77	2.06	0.78	5.35	1.71	3.47	3.21	2.77	4.53	3.80	2.85	3.46	40.76
Byrdstown	10.49	1.02	2.36	9.65	3.34	2.68	2.24	2.84	5.47	8.17	2.52	4.25	55.03
Carthage	7.91	1.89	2.09	5.65	3.55	3.55	2.43	3.34	3.43	8.13	3.04	3.46	48.47
Cedar Hill	7.08	3.20	1.51	4.63	4.73	4.49	3.13	3.10	2.14	2.77	1.13	5.19	43.15
Celina	10.18	2.29	2.84	6.44	3.90	2.44	5.22	4.07	4.10	7.58	3.91	3.52	56.49
Charleston	7.21	3.49	2.10	5.92	5.15	4.21	4.97	1.80	2.84	7.34	4.50	4.32	53.85
Chattanooga	7.37	3.68	1.98	8.05	2.43	2.86	4.47	1.28	1.25	6.82	2.86	5.33	48.38
Clarksville	3.83	1.99	0.76	4.48	2.61	2.33	1.70	2.58	2.56	3.28	1.48	6.20	33.80
Clinton	7.28	1.44	2.23	6.29	3.56	2.82	5.03	4.70	4.18	5.31	1.95	3.98	48.77
Cookeville	9.36	2.08	2.21	7.83	5.46	5.73	2.39	2.79	3.08	7.14	3.06	4.38	55.51
Copperhill	10.40	4.11	2.61	6.70	2.66	6.83	8.77	2.17	3.24	8.04	1.53	9.69	66.75
Covington	8.72	0.74	0.62	6.41	2.19	5.55	2.99	3.63	4.56	2.46	2.96	4.21	45.04
Crossville (near)	8.49	2.68	3.30	7.53	5.25	5.16	4.25	4.06	2.24	7.10	3.28	3.23	56.57
Dandridge	7.85	2.67	2.14	4.13	4.16	6.62	4.97	1.59	3.32	6.78	1.86	3.09	49.18
Decatur	7.10	2.85	2.13	6.76	2.54	5.68	4.00	1.60	1.56	6.02	3.18	5.68	49.10
Dickson	7.93	2.05	1.18	4.47	4.33	3.13	5.73	0.52	3.58	3.17	2.46	5.91	44.46
Dover	5.31	2.06	1.29	4.89	4.15	4.11	2.54	2.74	2.32	3.15	1.97	4.82	39.35
Dunlap	6.86	2.30	1.54	6.83	4.20	2.82	1.98	1.05	3.09	9.12	.....	.....	.....
Dyersburg	8.65	1.30	1.95	5.47	3.26	4.76	1.47	2.83	4.10	1.65	2.43	5.56	43.43
Elizabethton	6.00	1.31	3.12	2.94	3.12	6.67	3.96	1.42	4.84	7.61	1.12	1.95	44.06
Erasmus	8.56	2.96	3.57	8.20	2.25	6.01	4.62	3.02	3.59	.....	.....	2.46	.....
Florence	9.05	2.10	1.61	5.71	3.82	5.46	4.55	5.76	3.69	4.40	2.92	4.59	53.86
Franklin	9.92	2.36	0.96	5.03	2.43	3.15	4.15	3.85	3.81	4.78	2.32	4.45	47.21
Greeneville (near)	6.11	2.28	2.97	3.28	2.68	5.16	3.56	2.61	4.36	5.70	1.27	2.59	42.57
Halls Hill	7.44	2.34	1.31	6.38	4.36	4.55	3.97	2.50	3.72	6.90	2.61	2.65	48.73
Henderson	6.01	2.64	0.76	5.31	4.52	2.53	1.74	2.28	2.26	3.50	1.82	3.50	36.87
Hohenwald	7.43	2.88	1.11	4.95	4.85	2.31	3.58	2.66	4.04	5.01	2.72	5.06	46.60
Huntingdon	5.40	2.03	1.17	6.53	1.50	4.62	2.44	5.04	4.32	1.42	1.88	3.65	40.00
Jackson	5.19	2.47	0.65	5.00	2.86	3.85	2.63	4.43	4.43	2.54	1.45	3.76	39.26
Jefferson City	7.27	2.05	1.70	4.65	5.83	4.88	5.36	3.30	2.25	5.86	1.82	3.71	48.68
Johnson City	5.76	1.25	2.99	2.56	3.31	5.73	4.63	1.59	4.14	6.14	1.03	2.25	41.38
Johnsonville	7.26	3.12	1.19	6.19	3.28	3.77	2.19	1.95	2.86	2.12	1.81	4.42	40.16
Kenton	6.83	1.17	1.70	4.41	2.58	4.10	2.34	4.19	4.61	3.48	2.01	7.55	44.97
Kingsport	9.01	1.79	2.43	4.20	3.18	5.82	4.25	4.47	.....	.....	.....	.....	.....
Kingston	6.55	2.14	1.78	6.39	4.05	3.63	4.13	1.17	3.61	7.99	2.30	3.90	47.64
Knoxville	6.62	2.37	1.43	5.41	4.51	5.10	1.85	2.41	1.59	5.19	1.99	5.32	43.79
Lebanon (near)	7.29	1.55	1.47	5.30	3.74	5.78	0.98	2.36	5.32	7.02	3.02	4.99	48.82
Lewisburg	7.21	2.02	2.01	6.58	3.62	3.58	5.15	1.08	3.42	7.18	3.41	3.81	49.07
Liberty	9.73	2.77	1.66	6.17	4.21	5.10	3.06	3.57	4.53	5.86	3.12	3.32	53.10
Lookout Mountain	7.41	4.02	1.55	9.69	2.38	2.56	5.28	2.04	2.54	7.15	2.96	4.86	52.44
Loretto	9.36	2.60	0.78	5.60	2.97	5.63	3.10	3.08	3.15	7.47	3.31	3.90	50.95
Loudon	6.69	3.14	2.02	7.15	3.03	4.72	2.86	1.05	2.38	7.19	2.94	5.48	48.65
Lynnville	7.44	2.41	1.33	6.93	3.34	3.53	4.53	1.05	3.59	8.09	3.66	4.59	50.69
McGhee	6.40	3.13	2.18	5.91	5.03	3.89	4.99	1.32	4.08	6.36	3.08	4.86	51.23
McMinnville	8.96	2.57	1.31	7.17	3.87	4.46	2.18	2.25	3.05	8.77	3.23	3.18	51.00
Memphis	5.02	2.24	0.70	4.57	0.99	3.96	2.27	2.56	4.95	2.57	2.75	4.58	37.16
Milan	7.64	1.16	0.67	7.61	2.37	4.16	1.17	2.36	5.76	2.49	1.54	3.98	40.91
Mountain City	6.68	1.93	4.10	4.44	3.93	5.80	4.82	4.46	3.16	6.13	1.94	2.37	49.76
Nashville	7.43	1.54	1.86	3.39	3.61	2.70	3.63	3.05	3.75	3.44	1.86	4.56	40.32
Newport	4.36	2.75	4.72	3.31	6.06	5.54	3.59	1.96	3.50	6.12	1.73	2.86	46.50
New River	8.23	1.81	1.94	7.24	3.24	3.26	4.49	4.45	4.94	4.55	2.40	2.80	49.35
Palmetto	6.66	2.88	1.50	5.72	2.90	4.10	6.62	1.70	2.84	8.38	3.30	3.60	50.20
Perryville	6.25	.....	.....	4.50	.....	3.40	4.30	2.02	3.00	4.30	1.66	4.44	.....
Pinewood	7.61	1.59	T.	3.29	3.26	3.09	4.03	1.51	3.43	2.74	1.56	5.43	37.54
Rogersville	6.91	2.05	2.36	4.77	4.84	5.43	3.56	1.68	3.85	6.51	1.60	3.84	47.40
Rugby	11.00	2.40	2.45	7.63	5.07	5.37	5.14	4.53	3.05	6.45	2.80	4.55	60.44
Savannah	5.81	2.21	0.85	5.75	1.80	1.75	3.49	3.04	4.42	3.87	2.27	4.16	39.42
Sevierville	6.73	2.40	2.89	4.50	5.59	6.89	4.69	0.99	2.08	6.76	2.11	3.73	49.36
Sewanee	9.39	2.92	2.65	10.16	5.20	3.99	3.26	1.59	2.51	8.25	5.22	3.51	58.65
Sparta (near)	8.30	2.22	3.06	6.19	3.83	7.46	2.35	4.10	4.65	6.08	3.29	4.20	55.75
Springville	5.68	1.31	1.07	3.93	4.58	4.96	2.46	2.16	4.83	2.44	1.66	6.31	41.39
Tazewell	9.07	2.13	2.84	4.76	6.48	5.27	3.21	4.21	3.70	6.19	2.04	3.35	53.25
Trenton	10.30	0.89	0.32	4.44	3.24	4.63	1.71	5.21	7.16	1.75	1.84	7.10	48.59
Tullahoma	7.42	2.84	2.08	8.29	3.53	4.29	4.44	1.61	2.61	6.11	3.56	4.12	50.90
Union City	5.53	1.26	1.18	4.72	7.23	2.69	0.68	5.90	2.85	3.95	3.00	7.56	46.55
Walling	8.28	2.40	2.34	7.22	3.62	7.72	2.57	1.02	3.15	6.40	2.62	2.49	49.83
Waynesboro	6.41	2.80	1.22	5.58	3.49	3.12	4.87	3.26	3.17	4.79	2.82	4.88	46.41
Worsham	7.47	1.91	1.53	3.09	2.86	2.31	4.37	3.85	4.04	4.22	1.76	4.97	42.38
Yukon	6.95	2.67	1.70	7.78	2.43	3.07	3.79	0.64	3.09	6.98	3.51	4.71	47.32
Texas.													
Abilene	0.91	0.11	0.98	1.06	2.88	1.56	0.42	3.00	0.76	3.66	1.98	2.52	19.84
Albany	0.78	0.16	1.16	1.26	3.51	2.12	0.98	1.45	1.38	3.88	2.37	3.20	22.25
Alice	0.02	0.72	0.65	3.06	6.02	1.55	1.30	1.18	3.15	3.39	3.77	1.68	26.49
Alvin	1.36	1.60	2.67	6.78	1.58	.....	3.76	4.50	3.62	3.07	.....	.....	.....

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Texas—Continued.													
Amarillo	1.01	0.26	1.06	0.48	2.23	1.44	2.23	2.36	0.64	2.47	1.16	2.78	18.12
Anahuac	1.28	2.26	3.36	6.45	1.63	1.97	2.84	2.13	3.40	4.48	7.46	3.11	40.37
Anderson	0.32	3.85	0.63	5.31	2.18	0.06	2.11	1.30	3.78	8.04	5.53	3.05	36.16
Angleton	0.27	.....	2.30	5.65	.....	1.41	2.48	.....	2.87	5.67	6.91	3.93	.....
Antelope	0.66	0.13	1.58	5.50	2.02	2.67	1.21	0.57	2.50	3.98	2.19	4.16	27.17
Archer City	0.44	0.48	0.94	4.75	2.04	2.86	0.22	T.	3.78	.....	.....	4.48	.....
Arthur City	2.19	0.25	5.13	8.98	2.88	3.28	1.35	4.21	3.06	.....	2.69	4.90	.....
Aspermont	0.35	0.70	0.90	0.47	1.26	1.66	0.00	0.00	1.63	3.74	1.00	2.69	14.40
Austin	1.02	2.78	0.70	4.36	1.84	1.80	0.11	0.58	1.93	3.93	4.06	4.81	27.92
Austwell	0.20	0.77	1.16	4.00	5.63	2.73	0.75	2.40	6.85	4.00	4.71	1.72	34.92
Ballinger	1.30	0.05	0.90	T.	2.10	0.97	T.	0.40	1.31	4.00	3.05	2.65	16.73
Barstow	0.40	0.50	T.	T.	1.40	0.21	0.31	2.56	0.71	1.11	1.16	0.36	8.72
Beaumont	1.91	4.97	4.62	4.42	0.58	4.52	2.22	7.07	5.56	8.61	7.92	4.62	57.02
Beeville	T.	1.96	0.93	2.90	4.27	3.22	0.28	1.09	3.87	4.03	3.58	3.44	29.57
Big Spring	0.61	0.71	0.19	0.10	1.16	3.54	0.05	0.26	1.91	2.04	0.93	1.58	13.08
Big Wells	T.	0.39	0.69	0.98	2.55	0.81	0.77	0.20	2.15	3.78	1.60	2.28	16.20
Blanco	0.17	1.71	0.86	3.86	2.31	2.42	0.20	1.40	2.98	2.54	4.87	5.75	29.07
Boerne	0.28	1.65	0.93	3.72	1.28	2.56	0.12	1.27	4.01	3.47	4.72	6.57	30.58
Bonham	1.84	0.34	2.79	6.23	1.93	4.75	0.79	2.50	3.50	4.59	7.08	5.82	42.16
Bovina	0.20	0.00	0.00	0.97	1.41	0.96	5.10	2.05	0.95	2.61	0.50	3.00	17.75
Bowie	1.32	0.32	0.75	7.22	1.95	1.41	0.52	0.85	3.43	5.36	3.35	5.38	31.86
Brazoria	0.40	0.51	0.88	3.99	2.13	0.66	4.50	5.56	3.04	3.93	5.02	5.05	35.67
Brazos	0.93	0.11	0.40	3.34	1.86	3.55	0.97	0.08	4.97	1.80	5.78	2.31	26.10
Brenham	0.56	4.49	1.76	5.83	0.99	1.02	1.62	1.32	2.41	4.08	7.30	4.41	35.79
Bridgeport	1.26	0.50	2.25	6.82	2.16	2.37	1.09	0.45	1.84	3.32	5.34	4.08	31.48
Brighton	T.	1.70	0.97	5.57	4.32	5.29	0.82	T.	7.10	6.84	3.03	1.52	37.16
Brownfield	0.85	0.55	0.04	0.33	3.27	5.77	0.67	2.42	1.10	1.49	0.58	1.80	18.87
Brownsville	0.08	0.81	0.94	2.59	4.31	1.39	1.34	0.40	0.97	3.37	2.16	3.55	21.91
Brownwood	.....	0.20	0.16	2.33	1.48	2.40	0.60	0.30	1.91	6.23	6.10	3.46	.....
Buena Vista	0.60	0.20	0.00	T.	1.53	1.02	0.36	1.44	1.22	0.78	2.27	0.69	10.02
Cameron	0.91	2.36	2.12	5.09	1.68	.....	.....	.....	.....	4.76	.....	.....	.....
Canadian	1.09	0.30	1.15	1.30	4.64	3.03	3.82	0.45	0.81	3.55	0.95	3.84	24.93
Childress	0.43	0.80	0.41	0.66	1.20	3.40	0.60	1.10	3.10	3.60	1.40	3.20	19.90
Chillicothe	0.40	0.47	1.74	0.61	1.22	4.67	0.61	0.30	2.07	4.68	2.39	3.43	22.59
Clarendon	0.19	0.46	0.53	1.44	6.82	5.78	1.97	1.50	1.16	5.65	0.91	5.05	31.46
Clarksville	1.45	0.58	1.98	9.90	1.22	7.43	0.30	4.54	3.65	3.05	4.40	8.36	46.86
Claude	0.21	0.64	0.29	1.50	2.30	1.40	3.86	1.75	1.70	4.40	1.20	2.81	22.06
Claytonville	1.05	0.38	0.24	0.65	4.61	2.39	0.25	0.09	1.24	2.82	1.86	2.82	18.40
Cleburne	1.35	0.03	2.19	4.48	3.12	2.77	0.47	1.35	2.18	4.68	9.76	4.24	36.62
Clifton	1.55	0.20	1.43	6.89	0.63	1.47	0.03	3.02	3.65	2.43	8.24	5.99	35.53
Clint	.....	.....	.....	0.00	0.05	0.47	1.88	2.10	0.19	0.87	1.84	0.63	.....
Coleman	0.47	0.33	0.36	0.62	2.81	3.57	0.97	0.18	2.71	3.22	5.45	2.10	22.79
College Station	1.87	4.51	0.50	5.11	2.49	2.95	0.15	1.01	1.85	5.85	4.17	3.53	33.99
Colorado	.....	.....	0.11	0.59	2.58	3.49	0.74	0.24	.....	.....	.....	.....	.....
Columbus	0.48	4.10	2.23	4.50	1.34	0.15	0.55	3.11	2.80	7.22	6.23	3.31	36.02
Copperas Cove	0.50	0.38	0.72	6.85	0.85	0.90	0.27	0.44	0.50	3.49	5.95	5.18	26.03
Corpus Christi	0.07	0.51	0.47	5.17	2.38	4.47	0.30	0.15	4.33	5.54	2.38	2.45	28.22
Corsicana	0.95	0.05	1.34	9.40	1.89	3.40	0.80	2.12	2.35	2.11	8.78	5.06	38.25
Crosbyton	1.01	0.81	0.13	0.43	1.62	2.76	0.76	1.96	1.78	2.39	0.59	2.33	16.57
Crowell	0.60	0.58	1.27	1.11	0.10	2.83	0.47	0.20	2.91	4.93	1.55	2.83	19.38
Cuero	0.20	2.05	3.64	4.03	5.16	3.78	0.76	2.95	2.05	5.61	3.93	4.30	38.46
Dalhart	0.27	0.05	2.85	0.89	4.87	1.23	1.20	1.54	1.49	1.87	0.25	1.74	18.25
Dallas	1.84	0.63	1.40	6.14	3.87	4.23	0.84	2.48	4.28	6.60	8.32	3.78	44.41
Danevang	0.02	2.40	0.85	4.75	2.00	.....	1.65	1.92	1.50	9.60	5.20	4.60	.....
Del Rio	0.05	0.05	0.06	0.58	5.10	2.08	0.23	0.28	1.23	5.24	0.92	0.69	16.51
Denison (near)	2.25	0.00	2.08	3.34	3.11	2.12	0.06	0.03	3.09	4.14	4.85	3.75	28.82
Denton	1.50	0.08	0.86	5.66	2.26	4.52	0.71	0.33	3.62	5.14	6.07	4.43	35.18
Devine	0.80	1.35	0.80	4.30	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dialville	1.87	0.04	5.04	10.80	0.50	3.15	1.71	5.90	3.25	2.37	4.66	3.68	42.97
Dilley	0.10	0.95	0.45	1.96	3.52	0.93	0.12	0.67	2.41	2.55	1.67	3.93	19.26
Dublin	0.69	0.21	1.41	1.92	3.06	0.66	1.66	0.47	1.22	2.95	13.19	3.20	30.64
Eagle Pass	0.05	0.05	0.00	0.83	3.91	3.74	T.	0.29	0.62	5.07	1.93	0.82	17.31
Eastland	0.80	T.	0.60	2.35	4.00	1.97	0.09	1.15	2.74	3.09	3.47	2.65	22.91
Edna	0.47	2.36	2.13	2.84	2.13	2.61	0.20	3.81	2.86	7.02	4.06	2.77	33.26
El Paso	1.20	0.01	0.08	0.00	0.05	0.83	1.52	1.66	0.01	1.03	1.04	0.78	8.21
Encinal	0.20	0.28	0.50	0.78	2.70	0.35	0.14	0.11	2.77	2.68	2.05	1.29	13.85
Fairland	0.75	1.06	1.70	5.08	2.00	2.56	0.04	0.50	1.66	1.88	5.27	4.84	27.34
Falfurrias	T.	0.31	0.65	1.02	2.61	2.44	0.56	2.58	1.41	1.86	2.34	3.45	19.23
Finley	1.10	0.80	3.25	8.95	1.20	1.25	0.40	3.85	1.00	2.25	5.00	3.60	32.65
Flatonia	0.63	3.44	3.78	4.60	3.30	1.43	0.75	3.85	1.44	5.67	5.70	4.70	39.29
Flint	2.01	0.43	2.42	8.40	0.67	3.88	0.55	5.61	1.74	1.61	7.05	4.12	38.49
Floresville	0.90	2.30	1.50	4.97	0.98	2.75	0.67	T.	4.90	4.95	2.17	4.30	30.39
Fort Clark	0.03	0.00	0.00	0.92	3.99	1.93	0.59	0.04	0.40	4.58	1.62	.....	.....
Fort Davis	1.10	0.00	0.50	0.00	2.70	1.65	2.15	3.63	0.00	0.00	1.98	0.59	14.30
Fort McIntosh	0.02	0.42	0.33	1.36	2.90	1.35	0.10	1.15	0.69	2.59	1.81	0.38	13.10
Fort McKavett (near)	0.22	0.82	0.14	0.88	3.31	2.59	0.03	0.35	1.33	3.00	5.09	3.04	20.80
Fort Stockton	0.20	0.25	0.05	T.	4.80	1.60	0.95	1.61	1.11	0.75	2.62	0.60	14.54
Fort Worth	1.36	0.01	0.93	6.21	1.99	5.16	1.10	0.29	2.09	3.31	7.94	4.08	34.47
Fowlerton	0.20	0.65	0.50	2.99	1.34	.....	.....	.....	.....	.....	.....	.....	.....
Gainesville	1.30	0.08	0.97	8.03	1.99	1.49	1.63	0.24	8.45	4.40	5.04	4.04	37.66
Galveston	0.54	1.11	1.65	6.63	0.22	2.79	2.24	3.04	2.03	2.78	8.15	3.46	34.64
Garden City	0.75	0.38	0.11	0.17	2.40	1.99	0.45	0.55	3.02	2.34	2.87	1.16	16.19
Gatesville	0.45	0.28	1.05	7.40	1.35	2.52	0.25	3.65	3.22	1.26	8.19	.....	.....
Georgetown	0.74	2.56	1.61	5.47	2.28	0.90	0.46	0.29	1.38	4.89	6.19	6.15	32.93
George West	0.10	1.77	1.27	3.39	1.67	4.77	0.00	0.12	6.00	3.67	3.95	4.55	31.26
Goliad	T.	1.56	0.61	5.06	4.66	3.74	0.71	0.96	4.51	2.41	4.65	3.47	32.34
Gonzales	0.16	1.67	4.03	4.70	1.74	1.12	0.53	1.17	2.40	4.10	4.34	3.99	29.95
Gorham	0.78	0.20	1.42	6.16	0.65	2.60	T.	.....	.....	.....	.....	.....	.....
Graham	0.80	0.50	0.51	3.86	3.81	.....	.....	0.00	3.21	3.56	2.47	5.35	.....
Grand Falls	0.22	0.00	0.00	0.00	1.78	0.80	0.27	0.71	1.05	0.55	2.62	0.40	8.41
Grapevine	1.15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Greenville	1.25	0.20	2.65	8.24	2.53	5.65	1.77	1.00	2.35	3.12	6.44	6.07	41.27
Groesbeck	.....	.....	.....	.....	.....	2.97	1.14	0.46	3.05	2.64	8.03	5.12	.....
Hallettsville	0.70	3.93	2.00	3.54	2.68	5.80	1.17	0.15	1.55	5.90	7.45	3.71	38.58
Hamilton	0.85	0.30	0.90	3.20	1.02	4.05	0.45	0.24	2.00	3.80	7.90	3.80	28.31
Hamlin	0.51	0.44	0.60	0.46	2.55	2.39	0.91	0.89	1.53	2.24	0.80	2.35	15.67

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Texas—Continued.													
Haskell	0.85	0.50	0.83	0.47	1.22	3.04	0.37	0.40	2.06	3.76	1.13	2.50	17.13
Hebbronville	0.03	1.52	0.92	1.34	4.04	1.59	0.00	0.22	0.80	2.53	1.62	1.09	15.70
Hempstead	0.12	6.50	2.36	4.94	1.59	0.58	1.99	0.80	1.78	4.24	6.39	2.84	34.13
Henderson	2.02	0.79	0.92	7.43	0.96	0.87	2.73	6.30	1.45	2.28	6.13	2.94	34.82
Henrietta	0.55	0.05	0.62	4.45	1.50	1.79	0.80	T.	3.02	5.55	1.85	3.30	23.48
Hewitt	1.40	0.74	1.41	6.15	0.68	2.36	0.17	0.70	2.09	4.35	4.33	4.76	29.14
Hico	0.59	0.00	1.02	3.51	1.71	2.56	1.33	0.36	1.54	3.19	8.61	4.54	28.96
Highbank	0.51	1.39	2.09	4.04	1.34	.....	.....	T.	0.80	2.93	5.80	3.80	.....
Hillsboro	1.20	0.35	1.98	7.78	2.20	1.32	1.15	1.55	2.81	3.92	8.83	5.48	38.57
Hill's Ranch	0.86	1.83	0.96	4.22	2.20	1.39	0.09	0.26	2.21	3.56	4.55	3.70	25.83
Hitchcock	0.56	1.99	2.68	6.39	0.34	2.97	4.17	2.43	2.16	2.54	9.71	3.86	39.80
Hondo	0.15	0.83	0.64	3.74	3.34	1.08	0.55	0.90	1.75	2.54	2.17	5.82	23.51
Honey Grove	2.60	0.69	4.78	9.66	3.86	5.97	0.84	1.70	4.44	3.48	7.03	5.22	50.27
Houston	0.96	1.69	3.25	7.20	2.59	3.74	6.11	1.68	2.62	8.44	6.02	3.35	47.46
Huntsville	0.67	3.65	1.60	5.41	2.30	2.95	3.00	5.10	1.90	6.17	8.03	2.43	43.21
Index	2.84	0.54	2.17	7.98	0.38	3.71	0.99	3.30	2.36	2.53	4.10	4.34	35.34
Jayton	0.40	0.62	0.00	0.87	1.62	2.57	0.11	0.21	1.00	2.88	0.23	1.01	11.32
Jefferson	2.95	0.96	0.38	10.47	0.44	1.45	0.08	4.25	1.35	2.70	6.37	3.00	34.40
Jourdanton	0.20	1.57	0.40	4.78	1.58	.....	.....	.....	.....	.....	.....	.....	.....
Junction	0.60	0.20	0.72	5.33	3.32	7.20	0.00	0.75	3.53	3.61	4.23	1.74	31.23
Kaufman	1.96	0.51	1.95	9.76	4.84	2.22	0.98	0.98	1.96	3.87	11.58	6.84	47.45
Kerrville	0.50	0.81	0.74	3.43	1.25	2.42	0.13	2.60	4.10	2.29	4.65	5.26	28.18
Knickerbocker	0.50	0.25	0.25	T.	4.64	1.76	0.03	0.45	T.	1.90	1.08	2.45	13.31
Kopperl	1.83	0.05	1.04	3.58	1.00	0.40	T.	1.18	4.90	4.65	12.20	3.40	34.23
Lagrange	0.46	3.97	1.66	5.96	0.99	1.08	1.23	2.90	3.11	5.82	5.54	3.85	36.57
Lamesa	0.45	0.80	0.03	0.64	2.35	3.61	0.64	0.42	0.96	2.86	0.40	1.69	14.85
Lamkin	0.30	T.	0.85	3.20	1.43	.....	.....	.....	.....	.....	.....	.....	.....
Lampasas	0.99	0.39	0.87	4.80	1.28	2.86	0.02	0.30	0.96	4.16	6.39	5.07	28.09
La Parra	0.05	0.85	1.55	2.60	5.05	1.80	3.25	1.10	2.46	5.10	3.32	2.15	29.28
La Pryor	0.05	0.26	0.37	1.34	3.86	2.17	0.35	0.48	0.80	3.79	2.79	2.45	18.71
Laredo	0.00	0.70	0.28	1.12	4.55	0.84	0.18	1.69	0.53	2.30	1.44	0.38	14.01
Laureles Ranch	0.00	.....	0.81	6.98	4.97	4.06	0.00	0.00	.....	.....	3.02	.....	.....
Liberty	1.41	2.47	3.79	5.55	0.81	3.97	1.17	2.66	3.21	5.12	6.36	4.69	41.41
Lieb	0.15	0.24	0.69	0.66	2.49	1.40	1.90	1.36	0.82	1.17	0.81	3.29	14.89
Llano	0.89	0.81	0.73	2.91	1.49	3.60	0.19	0.01	2.48	4.54	5.95	4.17	27.77
Lobo	2.45	T.	0.00	0.00	1.30	1.78	1.00	3.48	0.00	.....	.....	.....	.....
Long Lake	2.05	0.55	.....	.....	.....	6.60	1.77	3.78	2.73	2.51	5.01	4.32	.....
Longview	3.12	0.67	2.00	7.64	1.28	2.43	0.10	2.84	2.79	2.56	6.67	2.04	34.14
Lubbock	0.84	0.58	0.05	0.72	1.67	2.95	0.53	0.79	0.79	0.51	0.69	2.33	12.45
Lufkin	1.15	2.04	1.66	4.06	1.44	2.15	2.78	2.12	2.28	2.71	9.62	2.27	34.28
Lulling	0.45	1.34	3.39	6.09	1.29	1.12	0.62	3.62	1.62	5.46	3.63	6.15	34.78
Marshall	2.99	0.78	2.20	7.37	1.23	3.10	0.06	3.74	0.77	2.06	4.67	3.80	32.47
McGregor	.....	.....	0.79	5.37	0.81	2.00	0.20	0.28	1.10	3.50	4.90	5.68	.....
McKinney	1.50	0.62	1.73	5.45	2.92	2.19	1.05	0.25	5.80	5.86	8.46	6.13	41.96
Madisonville	.....	.....	.....	.....	.....	.....	.....	.....	3.02	5.15	8.32	3.55	.....
Marble Falls	0.62	1.20	1.48	3.14	1.60	1.95	0.39	1.15	1.47	2.42	5.89	4.83	26.14
Matagorda	0.23	0.15	1.48	7.15	9.71	0.93	0.82	2.21	3.34	3.28	7.03	5.18	41.51
Mathis	T.	1.05	0.68	2.18	3.96	.....	.....	.....	.....	.....	.....	.....	.....
Memphis	0.35	0.62	0.49	0.72	6.60	5.36	1.23	0.89	2.89	6.51	1.10	3.42	30.18
Mercedes	T.	0.28	0.84	3.16	2.53	2.58	0.61	0.97	2.62	0.75	2.13	3.36	19.83
Mexia	1.82	0.46	2.44	9.49	1.17	2.28	1.23	1.62	1.52	2.36	7.03	6.97	38.39
Miami	0.42	0.50	0.95	0.79	7.27	1.79	3.00	0.42	1.32	4.01	0.87	4.37	25.71
Midland	0.57	0.92	.....	0.00	.....	.....	0.10	1.42	1.35	1.84	1.03	0.63	.....
Mont Belvieu	1.19	2.01	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Montell	0.10	0.19	0.33	2.60	2.79	1.41	0.20	0.45	1.56	5.11	2.12	2.26	19.12
Mount Pleasant	.....	.....	.....	7.21	2.19	1.98	0.50	5.78	2.09	3.76	6.68	6.30	.....
Munday	0.85	0.43	1.27	0.53	1.29	3.68	1.45	0.62	2.02	3.05	0.77	2.16	18.12
Nacogdoches	1.45	0.92	1.81	6.99	1.67	2.63	2.28	3.31	3.87	4.50	6.55	3.02	39.00
Navasota	0.36	4.37	0.91	5.08	1.44	0.69	0.84	2.93	1.76	5.63	6.69	2.65	33.35
New Braunfels	0.87	1.04	1.19	2.36	3.72	1.39	0.20	0.54	1.79	4.55	3.42	4.79	25.86
Ochiltree	.....	.....	.....	.....	.....	1.20	1.60	1.43	.....	.....	.....	.....	.....
Orange	1.45	2.35	2.10	7.85	0.23	1.45	3.74	6.56	3.75	10.96	12.06	4.55	57.05
O 2 Ranch	1.25	T.	T.	T.	3.00	1.40	0.60	5.00	1.55	3.10	1.95	0.30	18.15
Paducah	1.09	0.70	0.29	0.66	1.06	4.74	0.49	1.95	3.72	2.29	1.08	2.50	20.57
Paint Rock	.....	.....	.....	.....	.....	0.84	0.50	0.73	1.67	2.85	3.30	3.00	.....
Palestine	1.37	1.02	1.41	11.24	0.85	1.73	0.25	2.41	1.63	2.51	4.98	3.63	33.03
Panhandle	0.60	0.00	0.55	0.33	2.75	1.82	2.47	1.00	1.50	4.95	2.00	4.20	22.17
Paris	2.44	0.44	4.66	10.36	3.76	3.49	0.21	3.13	3.84	3.07	7.44	7.95	50.79
Pearsall	0.10	0.97	1.20	3.44	3.30	1.49	0.70	1.64	1.73	2.42	1.35	5.49	23.83
Pierce	0.25	2.22	2.73	6.69	1.72	1.71	0.85	4.97	3.55	6.42	4.97	4.09	40.17
Plainview	1.07	0.61	0.14	0.48	1.91	4.60	1.51	2.32	1.50	1.19	0.98	2.28	18.59
Port Arthur	0.73	2.83	1.46	5.68	0.27	2.92	6.48	5.42	5.21	9.19	10.43	3.88	54.50
Port Lavaca	0.55	1.03	2.77	2.81	.....	.....	.....	.....	.....	.....	.....	.....	.....
Post	0.50	0.97	0.14	1.09	1.87	2.81	1.06	1.33	0.60	2.40	0.32	3.57	16.66
Putnam	0.70	0.00	0.00	1.22	3.24	1.70	0.00	0.10	1.30	3.30	1.45	1.35	14.36
Quanah	0.45	0.80	1.10	2.24	0.73	4.49	2.47	0.09	2.68	5.97	1.60	3.90	26.52
Ratcliff	1.33	1.82	5.16	6.63	1.99	1.46	2.35	5.21	3.69	3.10	7.53	2.69	42.96
Raymondville	0.02	0.42	0.79	1.23	1.86	1.62	1.00	0.74	2.54	3.74	2.21	3.85	20.02
Ricardo	0.02	0.81	0.75	1.90	2.30	2.20	0.11	0.71	2.04	3.14	2.96	2.16	19.10
Ringo Crossing	3.20	0.00	1.79	6.54	1.11	3.55	0.00	3.40	3.02	3.38	5.16	7.69	38.84
Riogrande	0.00	0.50	0.60	0.40	1.80	1.50	2.80	2.20	0.00	1.30	1.40	1.00	13.50
Riverside	1.29	3.29	3.25	4.85	2.15	1.45	2.60	4.53	1.62	6.22	9.03	2.56	42.84
Rochelle	0.51	0.88	0.90	2.90	1.24	1.75	T.	1.62	0.32	2.92	2.92	1.86	17.82
Rockland	0.52	4.25	0.98	4.70	5.10	2.65	1.35	2.70	2.85	4.57	7.68	3.45	40.80
Romero	0.56	0.05	0.44	.....	5.38	.....	.....	.....	.....	.....	.....	.....	.....
Rosenberg	1.11	2.07	5.13	8.46	2.19	4.17	5.19	3.13	2.98	6.48	6.27	4.19	51.37
Rossville	0.18	1.35	1.15	4.45	3.66	2.11	0.16	1.82	2.27	4.90	2.34	5.29	29.68
Runge	0.02	2.24	1.18	5.34	1.73	4.21	0.76	0.00	3.54	3.58	3.96	4.19	30.75
Sabinal	0.16	0.63	0.71	0.77	1.35	1.05	0.13	0.35	2.51	4.63	2.30	5.14	19.73
Salado	1.10	1.28	0.61	6.84	1.18	3.53	0.00	0.10	0.87	3.71	4.87	5.82	29.91
San Angelo	0.46	0.41	0.25	.....	3.88	0.35	0.10	0.25	0.80	4.74	1.48	.....	.....
San Antonio	0.10	1.10	1.45	5.14	2.80	3.35	1.68	2.61	1.49	4.05	2.53	3.61	29.91
San Marcos	0.82	2.10	3.10	6.49	2.61	1.89	T.	1.26	1.65	3.94	2.23	3.52	29.61
Santa Gertrudes	.....	.....	1.20	1.70	1.23	3.21	.....	.....	.....	.....	.....	.....	.....
Sealy	.....	.....	.....	.....	.....	.....	1.15	3.89	2.55	5.81	4.56	3.05	.....
Sherman	1.44	T.	3.18	7.55	2.45	3.51	0.54	T.	4.38	4.94	5.52	5.53	39.09

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Texas—Continued.													
Smithville	0.72	2.55	2.47	6.86	1.11	0.92	0.29	0.69	2.15	4.43	4.35	3.42	29.96
Snyder	0.32	0.57	0.21	0.45	2.46	1.14	T.	0.34	1.20	3.73	0.62	1.28	12.32
Somerville	1.45	2.45	1.80	5.80	2.05	1.05	1.90	1.65	1.70	4.95	6.15	2.85	33.80
Spur	0.35	0.75	0.34	0.47	2.04	2.00	0.42	1.65	0.97	2.34	0.50	1.80	13.53
Stamford	0.42	0.28	0.75	1.40	1.76	.....	.....	.....	.....	.....	.....	3.14	.....
Stephenville	.....	.....	.....	.....	4.61	0.87	0.25	0.55	1.85	3.59	18.08	4.51	.....
Stiles	0.85	0.30	0.01	0.01	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sugarland	0.68	1.98	2.62	6.41	2.32	2.47	3.83	2.00	1.95	7.39	5.85	2.21	39.71
Sweetwater	1.16	0.31	0.73	0.49	2.58	1.70	.....	.....	.....	.....	.....	.....	.....
Taylor	0.59	2.59	0.69	3.84	2.27	0.44	0.10	0.17	0.80	2.46	4.22	4.21	22.38
Temple	0.62	0.86	1.04	7.19	1.03	2.17	0.80	0.15	0.60	2.50	6.44	5.36	28.76
Thurber	1.12	0.47	0.53	3.73	2.53	2.23	0.38	0.41	3.44	4.24	6.45	4.29	29.82
Trinidad	2.33	0.07	4.10	9.85	1.17	4.31	0.00	0.43	2.00	1.79	8.51	5.80	40.36
Troup	2.21	0.38	2.67	9.15	0.71	3.77	1.67	3.78	1.96	2.51	7.28	3.57	39.66
Tulia	1.05	0.62	0.00	0.90	3.21	2.17	2.15	2.67	2.03	11.58	1.05	3.60	31.03
Uvalde	0.10	0.13	0.65	1.56	2.74	1.52	T.	1.48	1.80	5.23	1.81	3.15	20.17
Valley Junction	0.70	2.30	1.50	2.50	3.70	2.40	0.90	0.85	0.88	4.46	4.58	4.40	29.17
Victoria	0.18	4.40	2.69	4.24	2.64	3.88	0.54	1.25	6.10	3.23	4.81	2.41	36.37
Waco	1.06	0.16	1.91	5.69	0.64	0.72	0.43	0.72	2.35	4.76	4.97	4.88	28.29
Waxahachie	2.79	0.00	1.75	4.82	2.83	3.19	1.35	0.15	1.48	5.75	10.80	5.25	40.16
Weatherford	1.06	0.04	0.69	3.60	2.57	1.89	1.88	T.	4.03	1.71	6.85	4.27	28.59
Wellington	0.40	0.77	0.75	1.32	4.31	2.68	1.41	0.55	.....	2.00	0.70	3.30	.....
Whitsett	0.08	1.00	0.89	3.19	2.21	2.67	0.41	0.94	3.54	3.40	2.95	4.44	25.72
Wichita Falls	1.00	0.00	3.30	3.25	2.35	2.85	0.85	0.45	3.30	5.85	1.55	4.80	29.55
Wills Point	1.29	1.02	2.96	8.66	2.49	5.67	1.76	1.22	1.95	1.98	6.80	5.70	41.50
Winfield (near)	3.25	1.05	3.80	10.76	2.89	1.60	0.79	3.87	1.98	9.75	6.18	8.24	54.16
Winters	.....	0.00	2.05	0.00	2.09	1.87	0.60	0.22	0.96	5.42	2.58	2.18	.....
Woodsboro	0.00	1.31	0.75	3.39	2.33	0.47	0.98	1.38	2.00	3.47	4.62	2.23	22.93
Woodville	1.83	4.65	0.95	6.11	4.61	1.02	4.08	7.24	3.18	.....	.....	5.42	.....
Utah.													
Alpine	4.29	1.12	1.33	0.63	1.88	0.52	1.88	0.03	2.03	1.78	1.70	1.26	18.45
Alton	0.55	2.00	6.81	0.43	0.40	0.51	1.93	3.43	1.10	1.15	1.50	2.52	22.33
Alunite	0.97	0.95	3.20	0.52	0.20	0.80	2.08	0.65	1.05	0.83	1.13	0.87	13.25
Beaver	1.20	1.05	2.00	0.18	0.43	0.30	1.04	0.10	0.45	1.90	1.00	0.92	10.57
Benmore	0.92	1.76	1.20	1.05	0.98	1.66	0.55	0.19	1.84	0.53	1.07	0.69	12.44
Big Plains	.....	.....	4.50	0.38	.....	.....	.....	.....	.....	.....	.....	.....	.....
Black Rock	0.40	0.32	0.61	0.59	0.90	0.17	1.40	0.10	0.50	0.37	0.35	0.59	6.30
Black's Fork	3.52	2.06	1.52	1.09	2.04	3.11	0.93	0.66	1.53	2.65	1.20	.....	.....
Blanding	0.91	0.25	2.08	0.20	T.	0.83	1.36	0.20	1.15	0.87	0.91	2.38	11.14
Bluff	0.55	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Brigham City	2.27	1.22	1.69	0.58	2.10	0.34	.....	0.33	0.71	2.06	0.66	0.34	.....
Burrville	2.52	0.45	2.16	0.37	0.40	0.83	2.43	0.34	1.21	0.83	1.47	0.61	13.62
Castle Dale	0.22	T.	.....	0.49	0.29	0.48	1.84	1.18	0.85	1.54	0.75	0.82	.....
Castle Rock	.....	.....	.....	.....	.....	0.67	0.99	0.09	2.31	1.55	0.66	0.29	.....
Cedar City	0.54	0.82	1.75	0.80	0.68	0.10	1.39	1.64	0.96	0.66	0.88	1.38	11.60
Cedar Fort	4.19	1.22	1.36	0.92	1.36	1.55	.....	0.04	1.42	2.09	.....	.....	.....
Clarkston	1.61	1.05	1.65	0.45	1.30	1.00	1.24	0.50	0.90	3.45	1.15	0.10	14.40
Corinne	2.12	0.30	1.18	0.10	2.03	1.32	0.46	0.37	0.75	2.10	0.45	0.10	11.28
Cottonwood Nursery	.....	.....	.....	.....	3.10	1.47	1.76	0.68	3.30	.....	.....	.....	.....
Cottonwood Sevier	.....	.....	.....	.....	.....	1.12	1.37	0.50	1.24	.....	.....	.....	.....
Cottonwood Wier	5.15	2.25	1.38	2.02	2.65	0.57	1.58	0.11	2.86	2.19	1.41	0.54	22.71
Deseret	0.90	0.35	1.06	0.94	0.76	0.38	1.35	0.00	1.72	0.49	0.87	0.17	8.99
Dry Gulch Ranger Station	.....	0.73	2.26	1.30	0.98	1.49	3.18	0.39	2.21	1.91	0.77	.....	.....
Duchesne	0.25	0.14	0.92	0.34	0.51	1.30	1.49	0.98	1.90	1.48	0.23	0.77	10.31
East Portal	2.64	2.13	1.74	1.48	1.03	1.70	2.60	1.06	2.45	2.97	1.08	1.20	22.08
East Fork Ranger Station	.....	.....	.....	.....	.....	0.51	3.27	0.46	.....	.....	.....	.....	.....
Elberta	1.08	0.50	0.64	0.84	0.59	0.55	0.90	0.26	1.43	1.20	1.11	0.42	9.52
Elkhorn-Ashley	0.43	.....	1.55	1.58	0.16	1.20	1.86	1.03	2.58	1.71	0.45	0.58	.....
Emery	0.40	T.	1.97	0.65	T.	T.	1.74	1.30	1.10	1.23	0.50	0.20	9.09
Enterprise	0.30	1.46	4.15	0.50	0.24	0.32	2.21	1.80	1.61	0.87	0.47	1.95	15.88
Erekson	.....	.....	.....	.....	1.26	0.69	0.74	.....	1.04	0.56	.....	.....	.....
Escalante	0.22	0.66	3.46	0.42	0.00	2.39	2.40	0.56	0.46	0.12	0.53	0.60	11.82
Farmington	5.90	1.77	2.04	1.41	2.55	0.37	1.11	0.08	3.26	2.01	2.85	0.69	24.04
Fillmore	1.97	1.64	1.76	1.32	0.85	0.34	1.06	0.09	1.83	0.98	1.68	1.10	14.62
Fishlake	.....	.....	.....	.....	.....	.....	3.09	0.75	.....	.....	.....	.....	.....
Fort Duchesne	0.70	0.10	0.30	1.27	0.13	0.50	1.49	0.32	1.67	1.79	0.20	0.51	8.98
Fruitland	.....	.....	.....	.....	.....	1.11	1.56	0.65	1.84	1.91	0.61	0.88	.....
Garland	1.50	1.35	1.51	0.15	1.57	0.79	0.93	0.37	1.35	2.95	0.75	0.33	13.55
Gooseberry Ranger Station	.....	.....	.....	.....	.....	1.00	3.08	1.89	2.48	0.78	.....	.....	.....
Government Creek	0.79	0.69	1.04	1.06	2.13	0.39	1.60	0.38	1.66	0.46	1.09	0.52	11.81
Grantsville	1.24	1.06	1.57	0.38	1.33	0.80	1.54	0.15	0.60	1.03	0.93	0.18	10.81
Great Basin Experiment Station	.....	.....	.....	2.03	2.08	0.59	2.99	0.60	2.07	2.36	2.60	.....	.....
Great Basin Experiment Station, Alpine	.....	.....	.....	0.91	1.69	0.66	2.25	0.63	2.69	2.93	2.27	.....	.....
Green River	0.41	0.06	0.27	0.50	0.00	0.62	1.02	0.07	0.63	1.03	0.28	0.90	5.79
Hanksville	0.14	0.33	0.56	0.67	0.01	0.21	1.71	0.80	0.73	0.70	0.13	1.65	7.64
Hatch	0.19	1.32	3.11	0.18	0.29	0.32	1.56	0.88	1.78	1.15	0.48	1.30	12.56
Heber	3.53	2.21	2.73	1.32	0.85	0.78	1.05	0.55	2.26	2.15	1.30	1.00	19.73
Henefer	3.34	2.29	2.94	1.05	0.92	0.54	0.87	0.07	2.15	1.23	1.52	0.56	17.48
High Line City Creek	6.75	2.28	2.59	0.60	3.03	0.23	0.86	0.35	2.41	1.70	1.98	1.34	24.12
Hole-in-the-Rock	0.99	1.44	1.00	1.41	.....	1.16	1.39	0.18	1.21	0.92	0.76	0.24	.....
Huntsville	3.74	0.71	1.28	0.46	1.18	0.50	0.81	0.03	1.02	.....	.....	.....	.....
Hurricane	0.42	1.48	4.81	0.20	.....	0.92	0.85	1.33	1.75	0.45	0.42	1.49	.....
Ibapah	0.62	0.96	0.51	0.23	3.46	1.54	2.33	0.17	1.23	1.27	0.24	0.68	13.24
Indian Farm	1.06	0.70	1.71	0.37	1.96	1.24	1.69	0.74	.....	.....	.....	.....	.....
Joseph	.....	0.50	1.81	.....	0.29	.....	1.77	.....	0.78	1.19	1.50	0.55	.....
Jozella Ranch	0.70	0.75	1.95	0.31	0.27	0.27	1.21	1.06	1.69	0.80	0.04	1.60	10.65
Kanab	.....	1.21	5.04	.....	.....	.....	.....	.....	.....	0.54	0.58	2.67	.....
Kanosh	2.00	2.10	1.19	1.00	0.50	2.45	1.70	0.56	1.75	.....	0.94	.....	.....
Kelton	0.74	0.50	0.68	0.25	0.60	0.85	1.93	0.17	0.21	1.13	0.72	0.61	8.39
Koosharem Ranger Station	.....	.....	.....	.....	.....	1.19	3.70	0.48	1.78	.....	.....	.....	.....
Laketown	0.77	1.18	1.39	0.44	1.44	0.30	1.95	0.10	1.16	2.40	.....	0.04	.....
La Sal	2.00	0.69	0.76	1.38	0.05	1.40	.....	0.02	1.65	0.85	0.85	.....	.....
Leeds (near)	0.61	2.40	6.75	0.30	T.	0.47	1.74	1.31	2.00	0.86	0.95	1.84	19.23

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Utah—Continued.													
Lehi	2.64	0.83	0.92	0.63	0.76	0.52	1.10	0.05	1.80	1.52	1.16	1.50	13.43
Lemay		0.40	0.37	0.12	0.08	0.10	0.17	0.00	0.02	0.55	0.00	0.25	
Levan	2.53	1.18	1.06	1.20	1.16	0.44	1.10	0.30	1.32	1.07	1.86	0.90	14.12
Lockerby	1.26	0.34				1.63	1.92	0.72	1.26	1.03	1.84	2.99	
Logan	3.15	2.33	1.80	0.80	1.82	0.44	1.14	0.36	1.22	2.56	0.94	0.35	16.91
Lone Tree	0.01	0.26					1.78	0.16	1.17	1.30			
Low	0.40	0.40	0.00	0.05				0.00	0.00	0.00	0.30	0.00	
Lowder Ranger Station							3.22	3.60					
Lower American Fork	5.11	1.15	1.47	0.83	1.49	0.76	2.11	0.05	2.27	1.57	1.39	1.41	19.61
Lower Mill Creek	5.79	2.54	2.52	1.41	2.81	0.61	1.27	0.10	3.45	2.08	1.98	0.77	25.33
Lucin	0.57	0.69	0.16	0.58	0.64	0.54	0.45	0.30	1.30	1.10	0.27	0.58	7.18
Mammoth Ranger Station							3.50	0.50	2.80	5.30			
Manila	0.60	0.82	0.11	2.51	0.84	1.00	1.16	0.32	1.31	1.77	0.88	0.31	11.63
Manti	2.07	0.35	1.73	1.01	0.61	0.45	2.11	0.43	1.43	1.69	1.19	0.32	13.39
Marysvale	1.49	0.36	0.82										
Midlake	0.62	0.47	0.15	T.	0.45	0.05	0.50	0.00	0.30	0.80	0.30	0.30	3.94
Midvale	2.61	1.95	1.44	1.03	1.62	0.52	0.69	0.32	2.04	2.38	1.02	0.91	16.53
Milford	0.48	0.45	2.04	0.84	0.80	0.11	1.82	0.04	1.12	0.37	0.41	0.88	9.36
Mills	0.83	0.25	0.84	0.24	0.89	0.54	0.99	0.35	1.08	0.58	1.31	0.62	8.52
Millville	2.14	2.39	2.14	1.06	1.75	0.18	1.23	0.29	1.09	2.12	1.19	0.37	15.95
Minersville	0.79	0.64	3.24	0.76	0.49	0.69	1.31	0.34	0.86	0.51	0.59	0.90	11.12
Moab	1.65	0.22	1.38	1.04	0.11	1.15	6.63	0.56	0.72				
Modena	0.11	0.97	1.60	0.35	0.69	0.35	0.93	1.26	1.22	0.69	0.30	2.01	10.48
Mohrland	0.63	0.25	0.00			2.60	2.65	1.85	1.95	1.05	0.20	0.00	
Monticello	0.83	0.60	6.00	1.12	0.00	1.52	1.38	1.68	0.00	1.63			
Monticello Ranger Station	0.90				0.00	1.37	1.46	1.69	0.93	1.00	0.17	1.57	
Morgan	3.13	0.85		1.05	1.70	T.	1.15	T.	0.90	0.95	2.00	0.75	
Moroni	2.35	0.51	1.47	0.77	0.47	0.12	1.48	0.58	1.29	1.54	1.44	0.64	12.66
Mosida										0.92	0.72	0.55	
Mountain Home						1.05	2.36						
Mountain Ranch Ranger Station						0.10	2.49	1.09	1.35				
Myton	0.42	0.02	0.49	0.55	0.34	1.01	1.71	1.40	1.71	1.01	0.18	0.53	9.37
Nada	0.84	1.15	2.81	1.31	0.43	0.11	0.89	1.66	1.23	0.63	0.59	1.79	13.44
Nephi (near)	1.95	0.72	1.04	0.89	0.96	1.54	1.77	0.06	1.16	0.96	1.62	0.82	13.49
New Harmony	0.00	3.00	8.54		0.00	0.96	1.80	2.40	1.90			2.42	
Oak City	0.93	0.84	1.73	0.86	1.11	0.80	0.55	0.15	1.64	0.57	2.13	0.87	12.18
Ogden	3.01	0.50	1.40	0.10	1.89		1.18	0.22	1.10	1.84	0.80	0.58	
Orderville	0.47	1.76	5.11	0.35	0.43	0.24	2.71	1.68	1.12	0.74	0.88	0.13	15.62
Panguitch	0.44	0.68	2.73	0.33	0.00	0.05	2.39	0.81	1.26	1.17	0.59	0.85	11.30
Panguitch Lake						1.18	2.07	1.61	2.52	1.66			
Park City			0.32	1.47	1.51	1.21	1.54	0.00	1.91	2.04	0.60		
Park Valley	1.06	0.79	0.92	0.28	0.79	1.21	0.96	0.11	1.23	1.07	0.61	0.90	9.93
Parowan	0.97	0.77	2.89	0.87	0.42	1.94	1.56	0.76	1.02	0.87	1.00	1.13	14.20
Pasadena Ranch	1.15	0.58	2.31	0.52	1.00	0.65	1.05						
Payson	2.67	1.74	1.02	1.85	1.73	1.29	1.41	0.30	2.08	1.25	1.66	0.67	17.67
Pinecrest	7.91	2.83	2.59	1.10	2.11								
Pine View	2.35	2.10	0.80	1.10	T.	0.50						0.10	
Pinto	0.34	1.39	4.55	0.35	0.63	0.28	2.09	1.95	1.72	1.00	0.30	1.42	16.02
Piute Dam	0.79	0.11	1.45	0.51	0.32	0.31	1.72	0.57	0.86	0.53	1.38	1.23	9.78
Price	0.37	0.17	1.02	0.76	0.09	0.53	2.08						
Provo	4.62	1.64	1.09	1.06	0.92	0.45	1.71	0.62	2.42	0.96	1.62	1.18	18.29
Provo Bench	4.48	1.35	1.16	1.33	0.94	0.42	1.84	0.59	2.65	1.04	1.87	1.43	19.10
Randolph	0.38	0.64	1.02	0.70	1.13	1.37	0.71	0.13	1.47	1.55	0.50	T.	9.70
Richfield	1.16	0.80	0.31	0.90	0.30			0.25	1.25	0.90			
Richmond	3.77	3.03	2.50	0.71	1.82	0.74	1.68	0.32	1.55	3.47	1.60	0.51	21.70
Riverdale	2.08	0.73	0.79	0.28	1.08	0.12	0.54	0.01	0.58	1.20	1.15	0.65	9.21
Round Valley	3.15	1.40	2.01	0.59	0.46	1.62	1.53		1.51	1.52	2.31		
Rozel	2.07	0.76	1.03	0.27	0.78	T.	1.12	T.	0.24	1.00	0.23	0.15	7.64
St. George	0.50	0.66	2.56	0.00	0.05	0.00	1.03	0.85	1.79	0.31	0.16	0.83	8.74
St. John	2.18	0.50	T.	0.37							0.90	0.32	
Saltair	2.37	1.92	1.69	0.59	1.70	0.34	0.51	0.23	1.03	1.22	1.04	0.25	12.89
Salt Lake City	3.89	1.41	1.81	0.59	1.32	0.20	0.76	0.61	2.10	1.13	1.77	0.52	16.11
Santaquin	4.06	2.09	0.86	2.22	1.50	1.51	0.83	0.11	1.36	1.53	1.48	1.02	18.57
Scipio	2.13	0.74	1.52	0.53	1.17	0.41	0.85	0.99	1.50	1.37	1.98		
Silver Lake	7.98	7.31	5.49	2.35	3.35	1.32	2.26	0.33	3.54	4.93	4.57	2.63	46.06
Snake Creek	4.91	2.88	2.87	1.20	1.44	0.82	1.61	0.18	3.11	2.30	2.20	1.18	24.70
Snowville	2.53	0.88	1.06	0.50	1.70	0.88	1.83	0.00	1.41	1.90	0.30	0.76	13.75
South Fork Ranger Station				1.55	1.15	1.02	2.40	1.16	2.55	2.93			
Spanish Fork	2.11	0.76	0.88	2.02	1.45	0.96	1.43	T.	1.77	1.32	1.30	1.13	15.13
Springdale		1.17	4.26	0.35	T.	0.00	2.55	1.55	1.16	1.02	0.10	2.05	
Standrod	1.78	0.84	0.73	0.71	1.18	2.42	1.88	0.58	0.91	1.84	1.15	0.37	14.39
Sunnyside	0.10	0.65	1.27	0.36	0.25	0.86	2.79	0.40	0.46	1.04	0.73	0.27	9.13
Teasdale			0.50		0.00	1.42	2.22	0.73	1.55		0.62	1.28	
Thistle	4.60	2.10	1.29	2.18	1.04	1.58	1.78	0.25	1.44	2.30	1.26	1.68	21.50
Thompsons	0.60	0.10	0.09	0.16					1.05				
Tooele	3.11	2.24	1.26	1.13	1.57	0.24	0.97	T.	1.18	1.70	1.37	0.41	15.18
Tremonton	2.37	1.73	1.36	0.14	1.78	0.92	0.96	0.00	0.88	2.40	0.83	0.54	13.91
Tropic	0.20	0.10	1.50		0.00	0.15	0.93	0.00	0.10		0.23	T.	
Trout Creek Ranger Station							5.01	1.61	2.23	3.16	0.50		
University of Utah	4.30	1.39	1.65	0.19	1.68	0.32	0.86	0.43	2.16	1.03	1.02	0.18	15.21
Vernal			0.16	1.46	0.05	0.07	1.61	0.19	1.32	0.96	0.35		
Victor	0.10	0.00	0.67	0.63	0.00	0.61	1.50	0.17	1.51	1.00	T.	0.52	6.71
Warner Ranger Station						1.86	3.48	1.33					
Watson (near)	1.53	0.48	0.73	1.06	0.61	0.47	0.78	0.00	0.24	1.35	1.02	0.99	9.26
Wendover		0.14	0.24	0.00	0.80	0.85	1.07	0.04	0.48	0.81	0.38	0.60	
Whiskey Creek	1.18	0.88	1.17	0.60	1.43	0.43	0.69	0.00		0.61			
Widtsoe	0.80	1.00	2.20	0.00	0.01	0.12	2.35	0.20	0.60	0.20	1.00	0.95	9.43
Winter Quarters												0.83	
Woodruff	0.07	0.60						0.00	1.62	1.29	0.12	T.	
Vermont.													
Bloomfield	1.52	2.86	1.28	1.28	4.45	4.69	2.89	4.53	8.03	8.20	2.69	2.91	45.33
Burlington	1.73	1.79	1.86	1.67	4.92	4.52	2.95	4.01	5.67	5.75	4.53	1.76	42.15
Cavendish	3.44	1.34	1.08	2.98	3.46	4.29	3.84	2.32	7.14	2.20	3.24	1.62	37.40
Chelsea	1.70	1.37	1.89	1.95	3.20	2.97	2.25	4.25	5.18	4.40	2.27	2.32	33.75
Cornwall	1.57	1.76	2.17	1.25	3.76	3.40	2.85	3.27	7.03	5.11	3.69	1.36	37.22

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	nnual.
Vermont—Continued.													
Enosburg Falls	2.02	1.33	0.94	0.91	3.01	4.89	4.74	1.81	9.69	8.33	3.16	1.54	43.12
Hyde Park	2.47	2.30	2.61	1.43	5.56	4.37	4.79	2.42	6.98	6.59	2.75	.....	.....
Northfield	1.85	2.05	1.43	2.28	3.13	3.16	1.77	6.71	5.10	5.21	2.25	2.24	37.18
Rutland	2.07	2.13	1.44	1.94	4.40	3.85	2.93	2.48	6.76	3.68	2.46	2.43	36.57
Somerset	2.38	5.33	2.79	3.04	4.19	4.12	2.30	3.73	6.10	4.27	2.32	4.20	46.77
St. Johnsbury	2.46	2.85	1.78	1.48	3.32	3.05	1.82	3.62	6.30	7.60	1.99	2.79	39.06
Vernon	1.83	2.94	1.61	2.87	2.76	3.29	0.90	2.36	6.70	1.15	2.34	3.46	32.21
Wells	2.58	2.19	1.34	2.26	4.21	3.80	3.91	2.18	7.55	3.19	2.00	2.51	37.76
Woodstock	2.98	2.08	2.07	1.65	3.13	3.73	1.36	2.31	7.14	2.32	3.29	1.72	33.98
Virginia.													
Arcola	4.43	0.43	2.69	5.88	2.60	3.23	2.84	6.70	3.14	1.11	1.22	5.23	39.40
Ashland	5.57	1.04	3.55	7.47	3.42	3.35	1.84	4.11	4.70	0.88	1.32	3.50	40.75
Blacksburg	7.31	1.38	3.66	6.38	3.90	9.71	8.26	8.10	2.90	5.95	2.07	5.94	65.56
Buchanan	5.66	0.65	3.24	7.92	4.99	3.35	4.97	5.44	3.77	3.82	1.61	5.03	50.45
Burkes Garden	4.11	1.15	4.49	5.54	6.37	6.83	4.05	4.32	3.73	7.47	1.92	3.23	53.21
Callaville	3.97	0.11	3.40	7.59	5.46	5.91	3.91	6.27	5.92	1.10	1.49	5.79	50.92
Cape Henry	3.47	0.36	3.74	3.51	2.59	5.42	4.56	2.87	4.43	0.67	1.12	3.40	36.14
Catawba Sanatorium	6.18	0.70	4.66	8.02	3.33	7.23	4.80	7.22	3.40	5.40	1.63	5.63	58.20
Charlottesville (near)	6.18	0.53	2.91	8.09	3.07	4.09	3.20	3.76	3.43	0.99	1.88	4.61	42.74
Clarksville	4.09	0.57	2.75	8.53	3.28	3.73	2.83	3.82	4.85	1.25	2.45	3.77	41.92
Columbia	5.71	0.33	3.39	7.57	1.07	3.48	2.60	5.95	4.20	0.86	1.73	3.79	40.68
Culpeper	3.40	0.10	2.65	8.00	1.30	3.70	3.10	5.15	3.20	1.00	1.50	4.90	38.00
Dale Enterprise	3.75	0.76	3.36	4.31	3.97	5.01	3.79	4.27	2.79	2.34	1.16	3.52	39.03
Dante	7.01	1.74	3.08	3.72	4.71	4.36	4.47	3.16	3.17	5.88	1.62	3.17	49.69
Danville	6.08	0.34	2.68	8.02	4.26	2.53	7.00	4.62	3.95	2.21	2.39	3.78	47.86
Diamond Springs	5.39	0.42	.....	5.57	2.79	.....	1.97	2.47	7.45	0.66	1.29	3.45	.....
Doswell (near)	.....	.....	.....	6.40	2.69	2.94	1.32	2.87	.....	.....	0.89	.....	.....
Dry Bridge	5.38	1.02	4.72	7.37	3.71	6.01	1.84	2.76	4.87	0.70	1.50	4.45	44.33
Elk Knob	8.22	2.61	2.44	5.01	2.94	7.01	3.79	6.36	4.08	6.04	1.72	4.17	54.39
Franklin	.....	.....	.....	.....	.....	.....	.....	.....	5.36	1.69	1.24	3.48	.....
Fredericksburg (near)	5.42	0.20	3.61	7.65	2.08	4.03	2.23	9.41	2.48	0.64	1.20	3.09	42.04
Gordonsville	5.45	0.40	3.08	7.12	1.66	4.97	1.83	5.53	3.55	0.75	1.35	.....	.....
Hawfield	5.53	0.48	3.26	7.20	2.47	3.93	3.29	5.21	2.58	0.47	1.58	4.51	40.51
Hopewell	.....	.....	.....	7.36	5.13	7.14	3.11	2.67	9.04	0.92	1.23	4.37	.....
Hot Springs	5.12	1.54	6.92	7.89	4.33	6.85	3.92	3.53	3.17	4.71	1.99	5.00	54.97
Ivanhoe	4.25	0.70	3.42	2.49	3.51	5.76	3.54	4.90	2.58	5.68	1.74	3.11	41.59
Ivor	6.23	0.20	3.97	4.67	4.81	5.76	3.83	4.08	.....	.....	.....	.....	.....
Kindrick	3.42	0.13	3.13	2.66	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lassiter	6.63	0.46	3.41	6.98	4.70	4.07	4.23	5.77	4.00	1.19	1.22	2.36	46.02
Leeds Manor	3.86	0.92	3.03	9.75	2.97	4.49	1.45	8.41	3.68	1.57	3.18	4.30	47.61
Lexington	5.42	1.17	3.97	4.71	2.41	5.48	2.03	4.60	3.62	3.12	1.69	5.60	43.82
Lincoln	2.45	1.02	4.88	3.03	2.50	1.93	.....	.....	.....	.....	.....	.....	.....
Lynchburg	4.42	0.53	2.41	4.97	2.15	2.91	3.75	2.91	2.61	0.95	1.26	2.59	31.46
Mayhurst	5.00	0.40	1.70	6.60	2.05	3.00	3.40	4.78	3.25	0.45	1.45	6.90	38.98
Mendota	6.44	2.17	4.07	3.80	4.15	4.85	4.26	1.88	3.08	6.27	1.91	2.99	45.87
Mineral (near)	4.86	0.42	3.11	5.66	1.98	3.96	3.27	7.66	3.23	0.69	1.11	3.35	39.30
Monterey	4.96	1.96	4.44	.....	5.62	3.16	3.00	6.31	1.94	3.37	1.87	3.32	.....
Mount Weather	3.54	0.77	3.26	8.66	3.21	2.98	3.07	7.40	3.52	0.79	4.08	4.82	46.10
Narrows	5.99	1.85	3.81	4.57	3.94	5.60	2.01	2.64	4.07	5.13	1.06	2.80	43.47
New Canton	7.19	0.58	3.36	8.47	2.87	4.77	2.65	5.30	4.65	0.63	1.80	3.50	45.77
Newport News	5.30	0.39	4.42	5.43	4.31	6.03	5.48	5.48	4.49	2.25	1.32	4.01	48.91
Norfolk	2.77	0.26	3.68	4.81	2.97	3.25	3.96	2.48	3.12	0.79	0.77	2.94	30.99
North Holston	7.11	1.74	4.62	3.89	4.01	7.71	3.93	3.05	4.03	7.78	1.87	3.26	53.00
Onley	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.08	0.18	3.14	.....
Parksley	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.27	0.80	4.23	.....
Quantico	.....	.....	.....	.....	.....	.....	.....	.....	2.85	0.50	1.85	3.88	.....
Radford	5.05	1.47	3.21	3.50	2.99	7.16	5.13	6.46	4.73	4.76	1.25	2.80	48.51
Randolph	7.06	0.69	2.28	6.96	2.82	2.76	5.32	2.55	4.43	1.17	2.11	3.33	41.48
Richmond	5.81	0.91	3.98	8.02	3.30	5.36	1.05	2.76	3.55	0.59	1.26	4.79	41.38
Roanoke	4.85	0.78	3.88	6.19	2.59	5.12	3.95	5.84	4.08	4.27	1.27	4.03	46.85
Rockymount	1.72	0.40	2.68	7.71	4.15	4.45	4.95	4.54	3.74	4.38	1.93	4.78	45.41
Runnymede (near)	7.38	0.48	5.20	7.32	4.27	5.11	3.03	5.64	5.53	1.05	1.46	4.28	50.75
Speers Ferry	6.03	1.98	2.81	3.64	2.45	4.61	4.19	3.59	2.68	5.24	1.15	3.54	41.94
Staunton	4.90	1.11	3.87	5.79	1.70	3.97	2.92	5.04	3.71	1.67	1.96	3.01	39.45
Swansonville	1.77	0.32	2.34	6.18	2.09	2.39	2.97	3.03	3.67	2.13	2.14	2.42	30.85
Warsaw	4.30	.....	3.80	6.95	1.40	2.60	2.63	1.65	4.35	1.45	1.10	4.05	.....
West Point	5.35	0.44	4.34	7.93	3.46	2.61	1.62	3.32	8.66	1.23	1.32	6.19	46.48
Widewater	2.15	0.50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Williamsburg	6.36	0.56	4.14	7.73	3.89	6.90	4.77	6.04	5.64	0.92	1.03	4.41	52.39
Winchester	3.00	1.06	3.21	6.35	3.23	1.74	2.20	6.11	3.09	.....	.....	3.34	.....
Woodstock	3.90	0.35	3.02	3.40	1.68	1.84	4.01	3.90	3.85	2.03	0.40	4.90	33.28
Wytheville	4.32	0.68	3.75	3.79	2.31	7.40	4.93	2.33	3.85	6.38	1.14	3.03	43.91
Washington.													
Aberdeen	13.40	10.76	8.72	2.86	2.62	0.00	0.82	3.90	0.07	6.74	10.33	14.72	71.98
Anacortes	6.03	2.71	2.61	0.69	1.78	0.54	1.81	2.27	0.51	3.73	3.44	5.40	31.52
Anatone	1.82	1.50	0.85	0.51	1.35	1.10	1.00	1.65	0.70	3.40	0.96	0.80	15.64
Attalia	0.95	0.88	0.31	0.23	0.56	0.25	0.13	1.01	0.05	0.76	0.27	0.87	6.27
Bellingham	.....	2.16	3.98	0.59	2.29	0.15	2.22	2.11	0.25	5.59	4.13	7.09	.....
Blaine	8.52	4.99	4.58	0.29	1.59	0.96	2.50	2.04	0.18	6.38	5.47	8.28	45.78
Blewett	2.31	2.15	0.71	0.31	.....	.....	.....	.....	.....	.....	1.95	5.50	.....
Bremerton	4.09	5.99	4.93	0.80	1.02	0.15	1.43	0.95	0.20	3.16	6.10	7.53	36.35
Brewster	0.98	0.95	0.24	0.06	0.82	0.39	1.19	0.61	0.00	1.31	1.44	0.66	8.65
Buckley	6.72	6.16	4.80	1.50	3.64	0.43	0.86	3.37	0.38	7.99	4.39	8.93	49.17
Bumping Lake	7.05	8.24	4.01	0.86	2.12	0.05	2.39	1.20	0.16	6.38	5.69	9.16	47.31
Castle Rock	8.09	9.57	5.83	1.95	1.84	0.24	0.58	0.78	0.11	6.92	8.10	9.73	53.84
Cedar Lake	21.85	14.05	11.55	5.60	6.40	1.00	2.35	9.03	0.50	14.80	10.70	20.45	118.28
Centralia	5.81	7.49	4.90	1.39	2.70	0.29	0.78	1.90	T.	5.04	7.15	6.87	45.52
Clearbrook	7.24	5.04	6.86	0.84	4.20	0.62	2.04	2.85	0.00	10.62	7.23	11.05	58.59
Cle Elum	4.94	2.79	1.14	0.44	1.62	0.37	0.98	1.23	0.00	3.83	1.77	4.63	23.74
Colfax	2.47	1.41	1.00	0.10	0.96	1.24	0.58	1.32	0.53	1.52	1.72	1.23	14.08
Colville	1.14	0.77	1.49	0.21	1.04	0.50	1.08	1.46	0.18	1.50	2.12	1.00	12.49
Conconully	0.85	1.03	0.68	0.02	0.38	0.48	2.18	1.02	0.13	1.91	2.24	0.32	11.74
Coupeville	3.54	1.69	1.58	0.49	1.03	0.26	1.07	1.19	0.20	2.45	1.95	3.92	19.37
Cowiche	0.87	0.92	0.42	T.	0.35	0.13	0.50	0.25	0.23	0.79	0.32	0.64	5.42
Darrington	12.83	12.57	14.39	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Davenport	1.46	1.61	1.40	0.19	0.66	0.42	1.00	0.40	0.25	1.30	2.05	1.03	11.77

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Washington—Continued.													
Davis Ranch	16.45	11.19	10.36	1.59	3.58	1.09	1.46	3.20	0.23	12.35	9.84	16.66	88.00
Dayton	2.67	2.32	2.31	0.87	0.93	0.62	0.69	0.90	0.64	2.06	1.37	1.08	16.46
Deer Park	2.29	2.02	1.28	0.43	1.26	0.63	0.77	1.71	0.35	2.25	2.68	1.75	17.42
Detroit	5.58	9.00	6.92	1.14	1.38	0.44	0.93	0.64	0.25	6.41	6.53	11.09	50.31
Dirtyface Mountain	7.07	5.81	2.51	0.35	1.19	0.19	1.71	0.70	0.36	6.15	3.57	8.61	38.22
Douglas Lake	5.71	2.20	2.66	0.73	1.58	0.29	1.80	2.04	0.55	3.76	2.88	5.09	29.29
Dryden	1.65	1.72	0.77	0.03	0.63	0.62	0.55	0.21	0.01	2.14	1.37	3.14	12.84
Ellensburg	1.10	0.67	0.45	T.	0.89	0.18	1.33	0.31	0.10	1.38	0.65	0.85	7.91
Eureka	1.41	0.95	0.60	0.25	0.66	.....	.....	.....	.....	.....	.....	.....	.....
Everett	6.05	5.44	3.70	1.43	3.24	0.53	1.33	1.79	0.27	3.31	5.09	4.17	36.35
Fairfax	11.22	7.98	3.98	1.78	4.19	0.13	1.18	2.43	0.16	4.89	6.81	9.44	54.19
Forks	19.74	16.57	27.27	4.28	3.31	2.47	1.13	6.54	0.01	14.90	14.05	24.47	134.74
Fort Simcoe	2.25	2.35	0.76	T.	1.65	0.00	1.25	.....	.....	.....	1.24	.....	.....
Glenoma	11.13	7.31	3.59	1.87	2.93	0.51	0.82	2.14	.....	8.55	6.13	8.96	.....
Goat Lake	14.81	14.53	12.68	3.28	3.83	1.47	1.51	5.29	.....	.....	.....	.....	.....
Gold Creek	1.97	1.56	1.10	T.	1.30	T.	1.07	0.50	0.80	3.40	2.03	2.34	16.07
Goldendale	2.63	2.42	0.50	0.17	1.42	0.04	0.27	0.43	0.52	2.71	1.57	1.64	14.32
Granger (near)	.....	0.57	.....	0.00	.....	T.	.....	0.59	0.54	0.78	0.53	0.35	.....
Granite Falls	10.95	8.84	5.37	3.36	5.06	0.03	2.53	3.36	0.14	8.92	.....	.....	.....
Hanford	0.63	0.50	0.22	0.00	0.34	0.68	0.28	0.38	0.15	0.54	0.69	0.49	4.90
Harrington	1.10	1.05	1.11	0.01	0.91	0.12	0.97	0.24	0.06	1.28	1.98	0.41	9.24
Hatton	1.12	0.59	0.89	0.06	0.32	0.15	0.65	0.62	0.10	0.59	1.18	0.81	7.08
Headworks	6.30	6.08	6.42	1.71	2.46	0.07	1.05	1.85	0.82	5.13	6.94	5.77	44.60
Hunters	1.38	0.90	1.45	0.14	1.09	0.63	1.52	0.54	0.23	1.73	3.24	1.06	13.91
Huntsville	2.40	2.11	1.72	0.40	0.80	.....	1.51	1.24	0.45	1.98	1.19	1.02	.....
Ione	2.71	.....	.....	.....	.....	0.56	1.74	.....	0.75	3.59	2.95	1.95	.....
Irene Mountain	1.33	0.77	0.78	0.30	1.53	0.73	2.36	2.00	0.44	1.32	1.25	0.58	13.39
Kahlotus	1.42	0.86	0.72	T.	0.58	0.70	0.12	0.44	0.10	0.87	0.90	1.02	7.73
Kalama (near)	9.81	11.53	6.15	2.94	2.31	0.14	1.86	1.62	0.71	7.19	8.45	8.46	61.17
Kennewick	0.96	0.63	0.43	0.27	0.61	0.24	0.20	0.67	0.08	0.60	0.50	0.62	5.81
Kent (near)	4.56	4.92	4.62	1.53	1.91	0.41	.....	.....	0.30	5.55	4.50	7.84	.....
Kettle Falls	1.72	1.34	1.41	0.35	1.14	0.65	1.57	1.95	0.35	2.01	3.08	1.43	17.00
Keystone	1.24	0.82	0.75	0.29	0.60	0.20	0.73	0.51	0.29	0.77	1.59	0.90	8.69
Kiona	1.03	1.10	0.24	0.12	0.69	0.20	0.15	0.40	0.12	0.91	0.74	0.63	6.33
La Center	7.90	8.39	4.58	1.41	1.74	T.	0.46	1.12	1.16	6.82	6.97	5.62	46.17
La Crosse	2.02	1.39	0.82	0.23	0.72	0.22	0.53	0.77	0.36	0.69	1.08	0.92	9.75
Lake Clealum	10.28	6.62	2.25	0.83	1.98	0.60	0.90	2.02	0.22	6.25	4.30	7.18	43.43
Lake Kachess	11.18	6.21	1.94	1.71	2.72	0.29	1.22	2.45	0.18	8.95	5.49	10.94	53.28
Lake Keechelus	14.29	7.99	4.53	1.84	3.30	0.16	0.64	3.90	0.28	11.27	6.10	13.13	67.43
Lakeside	0.98	1.11	.....	.....	.....	.....	.....	.....	.....	1.01	1.27	0.47	.....
Landsburg	8.77	7.20	6.13	2.05	3.24	0.41	1.09	.....	0.63	8.13	5.10	10.58	.....
Laurel	5.57	5.13	2.41	0.45	1.42	0.03	0.59	0.48	0.50	4.38	5.19	4.68	30.83
Laurier	3.07	1.27	0.99	0.21	1.41	1.70	1.38	1.66	0.42	1.95	1.95	0.70	16.71
Leavenworth	2.03	2.71	0.92	.....	0.69	0.08	0.56	0.25	0.01	3.80	1.56	3.67	.....
Lind	0.88	0.42	1.27	0.00	0.57	0.10	0.44	0.60	0.25	0.82	1.30	0.50	7.15
Lone Tree	19.75	12.51	7.55	2.95	1.53	0.45	0.67	1.66	0.07	8.00	11.26	11.63	69.03
Longmires Springs	18.39	10.31	5.19	2.93	4.60	0.26	1.85	3.63	0.75	11.99	8.70	12.98	81.58
Lost Creek	1.24	1.00	0.89	0.16	0.62	1.32	2.60	2.60	0.47	1.42	1.38	1.24	14.94
Lowden (near)	1.57	0.62	0.56	0.23	0.36	0.10	0.50	0.86	0.40	0.66	0.31	0.84	7.01
Marietta	7.16	3.24	3.88	0.55	1.39	.....	2.07	1.57	0.50	4.73	3.87	6.27	.....
Maryhill	.....	1.80	.....	0.00	1.27	0.05	0.00	0.15	1.30	1.69	1.10	0.10	.....
McCumbers Ranch	5.44	4.01	1.69	0.28	0.74	0.00	0.61	0.54	1.00	3.54	4.54	1.84	24.23
Mill Creek Intake	9.39	4.63	3.38	1.33	3.49	0.37	1.41	1.67	1.01	4.07	3.41	3.02	37.18
Mottinger	1.33	0.67	0.27	0.03	0.39	0.06	0.02	1.47	0.05	1.21	0.75	0.78	7.03
Moxee	0.39	0.74	0.31	T.	1.27	0.08	0.23	0.24	0.45	0.92	0.61	0.54	5.78
Nespelem	0.80	1.30	0.66	0.09	0.17	0.52	2.13	0.32	T.	1.67	2.56	0.79	11.01
Newport	2.24	2.50	2.01	0.31	1.43	1.00	1.00	2.46	0.49	2.58	3.14	3.04	22.20
North Head	7.47	9.60	5.62	1.40	1.66	0.39	0.67	1.55	T.	4.34	6.62	7.81	47.13
Oakville	7.03	8.70	5.38	1.58	1.47	0.03	0.56	1.99	0.00	7.16	6.96	8.95	49.81
Odessa	1.18	0.77	1.23	0.11	0.55	0.50	0.59	0.33	0.06	0.77	1.91	0.51	8.51
Olga	4.86	3.04	2.40	0.57	0.63	0.25	1.49	2.13	0.27	4.11	3.83	5.64	29.22
Olympia	5.12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Omak	1.25	0.81	0.25	T.	0.09	0.66	2.47	0.44	T.	1.38	2.03	0.87	10.25
Oroville	0.94	0.60	0.29	0.13	0.16	0.83	3.22	0.95	0.11	1.48	1.92	0.69	11.32
Paradise Inn	.....	.....	.....	5.62	4.48	0.22	1.85	7.01	1.03	.....	.....	.....	.....
Peola	5.08	2.87	2.42	1.13	1.46	2.33	0.73	1.51	0.61	2.52	1.96	1.00	23.62
Pomeroy	2.76	2.38	1.26	0.35	1.42	0.92	0.35	1.15	0.29	1.46	0.63	0.81	13.78
Port Angeles	2.62	2.90	2.73	0.41	0.46	0.29	0.81	2.75	0.10	3.15	3.25	6.29	25.76
Port Townsend	3.43	1.61	1.13	0.41	0.90	0.12	1.35	1.21	0.22	1.90	1.57	3.26	17.11
Poulsbo	3.94	5.82	4.75	1.69	1.19	0.82	1.38	.....	.....	2.96	6.03	9.69	.....
Prosser	0.93	0.67	0.25	0.01	0.51	0.23	0.25	0.33	0.35	0.89	0.77	0.82	6.01
Pullman	3.12	1.89	1.56	0.46	0.75	0.57	0.85	0.68	0.73	1.72	1.75	1.77	15.85
Puyallup	4.76	5.92	4.49	1.07	1.94	0.58	0.86	1.31	0.43	5.19	4.15	7.69	38.39
Quinlault	.....	17.62	18.62	2.70	.....	.....	.....	.....	.....	.....	.....	.....	.....
Reardan	1.29	1.57	1.59	0.17	0.71	0.48	.....	.....	.....	.....	.....	.....	.....
Republic	.....	.....	.....	.....	.....	.....	.....	.....	0.72	1.46	2.00	0.97	.....
Rimrock	3.11	2.60	1.38	0.11	1.51	0.00	2.67	0.80	0.43	2.81	1.78	2.79	19.99
Ritzville	1.22	0.74	1.35	0.03	0.81	0.21	0.64	0.78	0.13	0.73	1.56	0.60	8.80
Rock Island	0.52	0.98	0.13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Rosalia	1.81	1.86	0.89	0.28	1.34	0.42	0.56	0.79	0.57	1.67	1.54	1.04	12.77
Seattle	2.94	4.81	3.92	0.96	1.19	0.50	1.38	1.12	0.08	3.46	3.81	5.04	29.21
Sedro Woolley	9.37	5.05	3.58	1.12	2.87	1.00	3.22	4.07	0.27	6.96	5.63	7.35	50.49
Sequim	1.60	1.84	1.54	0.21	0.38	0.16	1.01	1.69	0.19	1.62	.....	3.02	.....
Sixprong	1.23	1.09	T.	T.	0.81	0.00	0.53	0.27	0.68	0.73	0.76	0.85	6.95
Snohomish	5.66	6.31	4.09	1.68	2.81	0.24	1.79	2.00	0.20	4.49	4.61	5.17	39.05
Snoqualmie Falls	8.56	8.02	6.25	3.05	3.11	0.24	2.00	3.47	0.23	6.99	5.43	9.98	57.33
Snoqualmie Pass	17.30	13.90	5.80	4.10	3.27	.....	1.50	5.30	0.10	20.32	9.80	19.16	.....
Snyders Ranch	0.88	1.66	0.86	0.05	0.35	0.28	1.05	0.64	0.57	2.95	2.32	2.90	14.51
South Bend	13.13	14.04	13.79	4.06	2.94	0.17	0.50	3.04	0.01	8.35	.....	.....	.....
Spokane	1.66	1.38	0.75	0.18	0.93	0.43	0.17	0.55	0.24	1.31	1.43	0.89	9.92
Sprague (near)	0.86	1.37	1.06	0.20	1.26	0.26	0.52	0.52	0.26	1.30	1.74	0.67	10.02
State University	3.89	.....	3.71	0.62	.....	0.02	1.87	0.94	0.09	4.15	4.41	4.68	.....
Stehekin (near)	4.04	4.05	3.19	0.18	0.39	0.23	0.59	0.80	0.18	.....	.....	.....	.....
Stokes Ranch	1.03	1.29	0.40	0.19	0.24	0.14	1.09	0.46	0.41	1.65	1.70	2.58	11.18
Sumner	4.86	5.68	4.61	0.91	2.53	0.32	0.85	1.61	0.44	6.04	4.79	9.08	41.72
Sunnyside	0.85	0.76	0.09	0.01	0.50	0.07	0.30	0.55	0.06	0.77	0.34	0.55	5.45
Tacoma	4.14	5.75	3.82	1.13	1.23	0.39	0.75	0.69	0.45	4.93	3.76	7.29	34.33

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Washington—Continued.													
Tatoosh Island	13.98	13.40	12.35	2.25	2.08	1.91	1.60	4.72	0.14	10.07	7.88	12.24	82.62
Tieton Canyon	.....	1.86	1.14	0.02	0.79	0.25	1.35	0.76	0.32	2.00	.....	.....	.....
Touchet Ridge	7.56	3.74	2.66	0.82	3.92	0.42	1.25	1.51	0.82	3.94	3.53	3.12	33.29
Trinidad	1.16	1.18	0.25	T.	0.80	0.31	1.11	0.16	0.02	1.45	0.86	0.41	7.71
Twenty-five Mile Creek	1.46	1.78	0.63	T.	1.10	0.23	0.95	0.77	T.	2.37	1.27	1.99	12.55
Vancouver	4.86	6.43	3.32	0.76	1.34	0.12	0.74	0.91	0.44	4.95	5.70	3.19	32.76
Vashon Island	4.46	5.86	5.65	1.38	2.20	0.51	1.30	1.54	0.28	5.23	5.00	8.62	42.03
Wahluke	0.80	0.54	0.54	0.00	0.38	0.10	0.19	0.82	0.12	1.50	1.08	0.77	6.84
Wallace	1.02	1.32	1.40	0.15	0.92	0.71	3.38	1.45	0.15	2.56	2.38	1.65	17.09
Walla Walla	2.29	1.30	1.26	0.32	0.68	0.10	0.96	0.99	0.32	1.53	1.02	1.48	12.25
Wapato	.....	0.72	0.20	0.00	0.33	0.06	0.63	0.22	0.53	0.28	0.66	0.46	.....
Washougal (near)	9.18	8.31	4.95	2.58	2.87	0.00	1.93	1.18	0.50	5.80	6.04	5.15	48.49
Waterville	0.64	0.91	0.31	0.00	0.55	0.25	1.17	0.88	0.04	1.92	0.74	0.54	7.95
Wenatchee	0.30	0.82	0.17	0.00	1.25	0.15	0.99	0.16	T.	2.14	0.35	0.60	6.93
Wenatchee (near)	1.11	1.27	0.38	0.03	1.66	0.13	1.41	0.47	T.	2.79	0.61	1.24	11.10
Wheeler	.....	.....	.....	0.00	0.48	0.23	0.37	0.13	0.04	0.99	1.34	0.54	.....
White Salmon	7.32	4.26	1.62	0.79	2.47	0.03	1.04	0.63	0.70	4.74	3.93	3.25	30.78
Wilbur	.....	0.83	.....	0.07	0.45	0.62	0.90	.....	0.02	1.16	2.06	0.86	.....
Wind River	14.94	13.86	8.56	2.73	3.49	0.02	0.72	0.89	0.72	9.67	13.29	11.74	80.63
Winthrop	0.92	0.25	.....	.....	.....	.....	.....	.....	0.31	1.53	1.40	1.78	.....
Yacolt	16.22	11.07	6.63	2.90	3.21	0.01	0.46	1.44	1.00	8.05	10.38	10.32	71.69
Yale	.....	17.80	9.00	4.12	3.20	0.23	0.39	2.58	0.28	.....	.....	.....	.....
Yakima	0.64	0.73	0.24	T.	0.65	0.11	0.28	0.30	0.30	1.14	0.51	0.75	5.65
West Virginia.													
Bancroft	4.83	2.41	3.53	4.66	3.66	4.30	1.76	1.83	2.16	3.99	1.57	3.23	37.93
Bayard	2.00	4.34	5.57	4.55	4.10	3.71	4.73	.....	.....	.....	.....	.....	.....
Beckley	.....	1.71	3.37	4.23	2.09	3.86	3.69	2.92	2.15	2.45	.....	.....	.....
Bens Run	3.84	3.80	3.96	5.11	6.97	2.67	1.69	3.09	2.68	3.15	2.16	3.94	43.06
Bluefield	4.06	1.84	4.11	4.80	3.28	6.05	2.23	2.05	3.68	4.61	1.61	3.88	42.20
Brandonville	.....	4.77	3.42	5.25	4.82	4.98	6.75	4.90	2.75	.....	2.24	5.29	.....
Brandywine	3.94	1.07	3.77	5.18	3.69	5.44	4.20	3.66	3.87	2.40	1.17	2.70	41.09
Breading	.....	.....	.....	.....	3.68	5.45	1.04	7.71	1.92	4.58	.....	4.40	.....
Buckhannon	6.20	5.40	6.51	5.22	7.78	5.58	2.55	6.05	2.55	3.77	2.15	4.92	58.68
Burlington	2.95	1.95	1.55	6.50	2.91	3.55	2.23	6.03	3.53	2.27	0.98	4.40	38.85
Camden-on-Gauley	5.10	5.63	8.72	8.51	6.96	7.20	3.10	9.15	3.33	7.44	4.60	7.33	77.07
Charleston	4.44	3.77	6.85	6.03	4.12	6.44	3.23	4.83	3.63	4.88	2.25	3.29	53.76
Clay	2.31	3.13	3.79	1.88	1.20	0.89	5.82	1.35	2.48	3.15	1.94	2.61	31.05
Cortland	3.60	6.40	5.14	5.26	3.82	4.19	2.96	2.63	4.41	3.76	1.50	5.31	48.98
Creston	3.01	4.02	4.86	4.75	3.16	2.86	3.84	2.67	2.21	3.18	2.49	3.99	41.04
Cuba	2.14	2.64	4.45	4.87	2.56	2.03	4.19	3.78	1.20	3.51	1.38	4.24	36.99
Dam No. 12, Ohio River	3.26	2.66	1.56	2.88	4.48	3.19	1.70	4.47	2.85	3.16	1.75	4.06	36.02
Dam No. 13, Ohio River	2.85	3.25	1.83	2.64	5.13	1.17	2.16	4.20	3.13	3.23	1.32	4.13	34.84
Dam No. 19, Ohio River	3.98	3.24	4.05	4.91	5.54	2.96	1.71	4.86	3.45	3.16	2.01	3.99	43.86
Dam No. 20, Ohio River	2.71	3.36	4.41	4.51	3.27	1.72	1.36	4.36	3.20	3.66	2.11	4.62	39.29
Dam No. 22, Ohio River	3.36	3.44	4.94	3.49	3.70	3.24	2.73	4.21	1.37	3.41	1.81	4.67	40.37
Dam No. 26, Ohio River	3.59	2.66	3.86	5.13	2.88	4.55	1.45	0.63	1.82	3.50	1.21	4.94	36.21
Davis	5.55	3.95	2.79	4.52	2.77	3.25	1.19	5.16	3.93	3.04	2.62	8.09	46.86
Elizabeth	4.32	2.69	4.88	4.41	4.63	1.70	2.24	6.04	3.08	4.16	1.81	3.11	43.07
Elkhorn	5.86	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Elkins	5.11	3.61	5.61	4.66	5.87	5.32	1.68	5.43	3.06	3.40	1.60	5.93	51.28
Evans	3.42	3.47	4.44	4.41	2.99	4.19	1.24	3.89	4.19	4.09	1.92	4.08	42.33
Fairmont	3.69	4.12	3.03	4.04	5.22	1.91	3.59	3.41	2.15	4.04	2.28	3.66	41.14
Gary	6.56	2.90	6.35	4.97	3.47	6.46	4.10	4.82	4.71	4.99	0.87	4.40	54.60
Gassaway	.....	.....	.....	1.71	4.26	4.89	3.27	5.40	0.35	3.09	.....	4.21	.....
Glenville	3.80	3.35	5.56	4.79	5.79	3.26	3.58	4.25	3.49	3.60	2.18	3.86	47.51
Grafton	4.91	3.73	3.09	4.34	5.11	4.19	6.90	4.02	2.64	3.49	2.00	4.92	49.34
Green Sulphur Springs	.....	2.85	4.44	5.53	4.71	5.87	.....	.....	.....	7.53	2.80	.....	.....
Harpers Ferry	3.40	0.70	2.41	6.52	2.34	2.20	2.96	3.58	4.06	1.59	1.90	2.93	34.59
Hinton	5.75	2.00	4.56	4.76	2.82	4.77	5.38	5.08	2.92	6.02	1.22	3.20	48.48
Holcomb	5.13	3.00	9.37	5.68	4.96	6.39	4.65	5.00	4.10	4.95	2.38	5.34	60.95
Huntington	4.25	2.16	4.04	4.96	2.94	4.06	2.76	1.98	3.14	2.86	1.12	3.36	37.63
Kayford	4.88	2.40	6.07	6.32	3.31	5.44	4.19	3.26	3.22	3.27	1.89	3.55	47.80
Lewisburg	4.89	2.13	5.08	5.97	1.96	7.41	4.42	5.81	2.87	4.99	1.50	3.72	50.75
Lost Creek	4.24	4.18	5.09	4.67	6.50	2.42	4.14	4.48	1.93	3.13	2.48	4.32	47.58
Mannington	3.29	4.62	2.85	4.25	7.01	1.09	3.63	3.80	2.15	3.52	2.54	4.20	42.95
Marlinton	6.44	2.98	6.52	6.50	4.38	10.11	4.62	5.60	4.73	4.64	1.92	5.18	63.62
Martinsburg	4.96	1.15	2.31	8.62	2.72	3.03	2.41	4.83	3.28	3.88	1.10	4.88	43.17
Moorefield	3.95	0.87	2.75	7.26	3.45	3.28	3.62	2.20	2.47	2.26	1.35	3.71	37.17
Morgantown	2.41	1.57	1.87	4.03	5.10	2.99	4.07	4.86	1.64	.....	.....	.....	.....
Moundsville	2.86	.....	1.57	4.05	7.99	1.90	2.75	4.50	2.83	2.87	1.77	4.48	.....
New Cumberland	2.90	1.90	1.55	3.32	4.02	0.87	1.88	4.45	2.62	2.86	1.98	3.55	31.80
New Martinsville	3.78	3.80	1.99	4.25	7.45	2.05	1.67	3.33	1.45	3.90	1.80	5.27	40.74
Parkersburg	2.24	2.81	3.54	4.47	3.51	3.39	1.28	5.14	2.53	3.19	1.85	4.23	38.18
Parsons	4.40	5.28	3.17	4.67	4.64	2.86	1.81	3.39	3.00	1.99	2.10	4.62	41.93
Philippi	.....	.....	.....	3.24	5.85	5.62	3.06	5.42	2.13	.....	.....	4.77	.....
Pickens	9.22	6.60	7.07	5.95	10.28	5.95	5.24	.....	3.35	5.59	4.15	7.71	.....
Piedmont	4.82	2.71	2.71	6.75	4.60	3.15	2.92	3.51	2.68	2.80	0.93	4.82	42.40
Point Pleasant	3.97	2.83	3.82	3.33	3.00	4.91	2.99	1.44	2.70	3.78	1.49	4.03	38.29
Powellton	.....	.....	.....	.....	.....	4.51	4.95	.....	.....	3.10	1.38	3.80	.....
Raleigh	5.54	3.29	3.63	4.99	3.13	4.94	3.03	5.13	2.75	4.29	1.89	4.44	47.05
Renick	5.70	1.73	6.95	6.19	2.44	5.80	4.32	4.10	2.85	5.07	1.47	3.48	50.10
Robertsburg	3.83	2.76	4.87	3.91	2.93	3.86	2.20	2.92	1.69	3.01	1.41	3.12	36.51
Romney	3.30	1.79	2.54	9.14	2.77	4.19	3.48	3.51	3.88	2.44	1.17	4.71	42.92
Rowlesburg	5.84	5.05	3.86	4.97	5.37	8.24	6.30	3.86	4.22	3.38	3.33	5.58	59.00
Ryan	3.92	2.85	5.71	4.81	2.69	5.08	2.13	2.48	1.84	3.84	1.81	3.99	41.15
St. Marys	3.84	3.63	4.22	4.76	6.37	2.08	2.92	2.59	3.22	4.13	2.33	3.56	43.45
Sissonville	2.99	2.25	3.69	4.34	4.99	.....	.....	.....	.....	4.29	1.57	3.43	.....
Smithfield	5.04	5.40	2.87	5.18	6.41	2.80	2.53	3.72	3.21	3.66	2.83	4.65	48.30
Spencer	3.02	3.65	7.40	4.57	2.05	6.50	1.41	3.08	2.76	3.72	2.33	3.35	43.84
Sutton	4.79	4.20	7.78	6.77	6.07	4.65	5.26	4.23	2.40	3.63	3.02	5.91	58.71
Terra Alta	2.60	1.35	3.00	4.40	5.63	4.38	4.18	4.35	3.25	.....	1.44	8.14	.....
Union	3.90	2.25	3.65	4.40	1.85	7.28	6.00	.....	.....	4.54	1.76	3.86	.....
Upper Tract	4.40	1.65	3.40	6.30	2.43	4.20	3.45	2.40	2.93	1.70	1.30	2.70	36.86
Wardensville	.....	0.45	2.70	7.30	3.53	2.20	3.28	4.75	2.64	2.65	0.64	3.40	.....
Wellsburg	.....	.....	.....	.....	5.30	1.76	3.16	4.32	2.55	3.36	1.57	3.85	.....

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
West Virginia—Continued.													
Weston	3.35	.....	5.45	4.85	5.50	4.70	3.18	4.15	2.25	3.65	2.35	4.70	.....
Wheeling	3.52	3.11	1.59	3.79	4.71	1.80	1.52	4.49	2.87	3.16	1.63	4.15	36.34
White Sulphur Springs	3.60	2.57	5.40	5.60	3.10	.....	4.80	2.65	2.40	4.65	.....	.....	.....
Williamson	5.75	2.38	4.93	4.16	3.49	3.20	2.50	1.61	2.65	3.69	1.24	3.41	39.01
Wilsondale	3.35	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Wisconsin.													
Antigo	0.95	1.68	0.65	2.06	8.06	3.26	4.14	3.81	2.19	1.89	2.24	1.05	31.98
Appleton	3.23	1.02	1.20	0.95	6.78	2.31	2.16	2.81	1.64	1.94	2.70	2.14	28.88
Ashland	0.53	0.24	0.66	1.91	3.99	1.17	2.73	2.63	1.40	1.89	2.22	1.33	20.70
Baraboo	2.60	1.15	.....	3.12	6.61	3.05	3.39	0.83	1.10	2.00	1.86	1.83	.....
Barron	0.82	1.62	0.97	1.98	7.71	1.90	3.17	5.29	1.42	3.33	3.59	1.48	33.28
Beloit	3.70	2.55	1.98	3.00	4.15	1.96	2.06	2.71	1.71	2.93	1.52	1.88	30.15
Big St. Germain Dam	0.90	0.85	0.85	1.20	4.82	1.53	2.82	4.83	1.90	2.15	2.10	1.30	25.25
Brodhead	2.25	2.05	1.72	3.21	5.45	2.09	2.21	2.56	1.49	2.79	1.51	1.74	29.07
Burnett	1.76	0.77	1.49	2.00	4.75	1.64	0.76	2.09	1.57	2.16	1.99	1.43	22.41
Cecil	1.95	2.07	1.20	.....	9.39	1.69	1.86	4.15	1.27	3.14	2.39	2.20	.....
Cornucopia	.....	0.57	0.31	2.15	3.25	0.69	1.75	2.29	1.82	2.29	1.73	1.97	.....
Crandon	0.93	1.17	1.36	.....	.....	.....	.....	8.07	2.77	2.98	2.09	1.20	.....
Darlington	2.85	1.40	1.65	.....	5.65	4.55	2.80	2.50	1.80	3.05	1.00	1.21	.....
Deerskin Dam	.....	0.62	0.57	0.56	4.38	2.61	1.78	3.70	2.87	3.25	1.72	1.53	.....
Delavan	2.33	1.80	1.11	3.09	3.08	2.84	3.62	2.31	1.52	2.95	1.54	1.66	27.85
Downing	1.30	0.80	0.60	1.45	8.63	2.32	3.62	5.40	1.43	3.46	3.72	0.90	33.63
Eau Claire	1.24	1.00	2.16	1.44	7.72	3.99	2.61	5.53	2.37	3.22	2.22	1.19	34.69
Florence	1.36	.....	.....	0.80	2.41	1.99	2.34	.....	3.03	.....	2.46	.....	.....
Fond du Lac	3.25	0.99	1.63	2.61	7.13	1.71	1.68	2.31	1.25	2.11	1.63	2.04	28.34
Grand Rapids	1.57	1.17	2.07	2.39	7.63	1.68	2.35	6.79	1.88	2.26	3.15	1.73	34.67
Grand River Locks	2.45	0.95	1.03	2.46	6.61	2.82	1.62	1.98	1.37	2.00	1.50	1.87	26.66
Grantsburg	0.41	0.13	0.27	1.66	5.06	.....	2.64	2.79	0.77	3.36	2.98	.....	.....
Green Bay	2.22	1.21	1.98	2.44	9.70	2.59	1.52	2.05	1.71	2.18	2.16	1.81	31.57
Hancock	2.30	1.62	.....	2.34	9.78	2.49	1.92	3.12	1.31	2.19	2.70	1.44	.....
Hatfield	1.13	0.47	1.35	1.93	10.57	2.25	2.21	2.47	1.84	1.89	0.88	1.00	27.99
Hayward	0.82	1.22	0.50	1.07	9.23	1.29	2.72	4.86	0.99	2.31	2.17	1.10	28.28
High Falls	1.18	1.62	1.40	2.51	6.75	1.83	3.78	3.82	2.34	3.30	2.74	1.25	32.52
Hillsboro	1.60	0.40	1.50	2.41	9.22	4.90	3.86	1.49	1.22	1.54	2.12	1.60	31.86
Iron River	.....	0.46	0.34	1.77	4.00	1.01	2.65	2.48	1.79	2.00	1.89	1.53	.....
Kewaunee	4.40	1.56	1.54	2.34	9.39	2.46	0.62	1.87	1.12	2.20	2.66	2.19	32.35
Koepenick	0.70	0.90	0.50	1.90	.....	1.67	3.40	3.60	1.43	3.11	2.91	.....	.....
LaCrosse	1.83	0.64	2.74	1.70	6.55	3.47	4.80	2.84	1.36	1.57	1.37	1.10	29.47
Lake Mills	2.41	1.68	1.32	2.46	5.26	2.90	1.76	2.24	1.67	3.22	1.59	2.36	28.87
Lancaster	2.34	1.10	1.53	3.17	5.94	3.79	4.42	.....	.....	.....	.....	.....	.....
Long Lake	0.99	1.61	1.73	1.14	5.76	2.45	2.61	5.86	2.77	3.00	2.40	1.21	31.53
Madison	2.09	1.30	2.17	2.63	4.87	1.84	2.33	2.03	1.52	3.13	1.17	2.19	27.27
Manitowoc	3.96	1.21	2.68	2.98	9.33	1.84	0.81	2.84	1.28	2.94	2.89	3.43	36.19
Marshfield	1.05	0.75	0.75	2.85	7.97	3.02	2.81	2.19	2.17	2.40	2.16	1.64	29.76
Mather	.....	.....	1.24	2.16	7.30	3.61	3.29	2.51	1.48	1.65	1.70	1.15	.....
Mauston	.....	.....	1.80	1.71	7.48	3.09	3.46	2.27	1.51	0.88	.....	1.30	.....
Meadow Valley	1.00	0.59	1.21	1.93	6.87	2.24	2.59	2.74	1.25	1.88	2.63	1.43	26.36
Medford	1.10	1.60	1.80	1.82	6.24	2.60	3.33	5.42	1.83	2.62	2.56	1.20	33.12
Menasha	2.60	0.96	1.70	2.53	10.31	2.06	1.89	2.12	1.26	2.32	2.35	2.23	32.33
Merrill	1.18	1.32	1.06	1.74	6.43	2.17	3.62	5.53	1.57	2.39	2.21	1.19	30.41
Milwaukee	5.38	2.32	1.80	3.15	4.11	0.85	1.25	1.17	1.15	2.42	1.37	3.03	28.00
Minocqua	0.73	1.17	0.72	1.62	6.70	1.29	2.48	6.28	2.01	2.69	2.51	.....	.....
Mondovi	0.95	0.93	2.50	1.05	5.49	3.19	1.93	4.19	2.68	2.88	1.46	1.49	28.74
Mount Horeb	4.05	0.72	1.20	2.97	4.87	1.86	3.23	2.39	1.58	2.20	1.15	1.78	27.98
Muscoda	0.62	.....	2.18	.....	.....	.....	3.22	3.29	1.28	1.47	0.75	.....	.....
Neillsville	1.33	0.85	1.15	2.07	7.91	3.04	1.86	4.30	1.67	2.16	1.62	1.55	29.51
New London	1.65	1.03	2.14	2.19	10.24	2.87	2.58	2.82	1.46	2.89	3.43	1.92	35.22
Oconto	2.70	1.00	2.00	1.19	8.10	1.14	1.47	3.09	.....	3.35	2.02	.....	.....
Osceola	0.84	1.38	0.90	0.80	5.84	3.85	3.98	2.41	1.52	2.20	3.21	2.44	29.37
Oshkosh	3.40	0.19	0.76	3.22	6.96	3.17	0.98	1.70	1.15	2.47	2.41	1.97	28.38
Park Falls	0.99	1.58	0.87	1.53	5.84	2.11	3.39	5.05	1.52	1.11	1.52	1.65	27.16
Pine River	2.86	1.17	2.57	3.14	9.78	1.75	1.54	3.78	1.18	2.70	2.66	1.70	34.83
Plum Island	1.45	0.22	.....	2.45	10.35	0.61	0.49	0.83	1.81	1.30	3.55	1.68	.....
Plymouth	3.58	1.18	2.12	2.10	4.93	1.08	1.15	2.81	1.23	2.54	2.54	1.97	27.23
Portage	1.93	1.23	2.58	2.71	6.07	2.15	4.08	1.27	1.81	2.18	1.57	2.31	29.89
Port Edwards	1.17	0.87	1.08	.....	.....	1.56	2.73	4.66	1.80	2.52	2.09	.....	.....
Port Washington	3.80	1.22	.....	2.72	3.69	1.44	0.79	1.72	1.38	1.31	2.08	1.91	.....
Prairie du Chien	1.66	0.66	1.46	2.94	4.92	4.84	7.32	3.54	1.70	1.40	1.66	0.78	32.88
Prairie du Sac	1.72	0.43	0.78	2.21	5.79	2.06	3.86	1.49	1.46	1.38	1.00	1.16	23.29
Prentice	0.92	1.30	1.06	1.16	5.89	2.17	2.95	8.21	2.18	2.24	2.45	2.27	32.74
Racine	2.83	1.82	1.76	3.51	3.10	1.55	2.62	0.95	1.62	3.77	1.76	2.80	28.09
Reedsburg	1.61	1.00	1.88	3.79	7.97	2.72	3.60	1.17	1.50	1.61	1.48	1.40	29.73
Rest Lake	1.12	0.52	0.70	0.90	6.24	1.30	4.31	5.87	1.94	2.42	2.07	0.80	28.19
Rhinelander	1.26	1.59	1.24	1.65	7.30	1.82	3.22	7.91	2.54	2.16	2.48	1.46	34.63
Ripon	2.28	0.99	1.83	3.10	6.22	2.40	1.28	2.02	1.04	2.44	2.94	1.83	28.37
River Falls	.....	.....	.....	0.71	5.52	5.31	4.75	9.26	2.59	3.49	3.12	1.93	.....
Sheboygan	3.29	1.44	2.32	3.09	4.20	1.46	0.90	2.04	1.51	.....	.....	.....	.....
Shullsburg	2.13	1.70	1.46	2.71	6.61	3.22	3.67	2.93	1.76	3.71	2.54	2.06	34.50
Solon Springs	0.85	0.90	0.40	2.80	4.95	1.95	4.40	3.55	0.90	2.75	3.25	1.80	28.50
Sparta	0.81	.....	2.24	.....	6.03	4.52	3.44	.....	.....	.....	.....	.....	.....
Spooner	0.97	0.88	0.82	1.70	6.98	0.48	3.94	4.02	1.09	2.35	1.88	1.85	26.96
Stanley	1.00	2.00	1.65	1.91	8.60	2.22	4.23	4.50	2.42	3.05	3.17	1.60	36.35
Stevens Point	1.95	0.30	1.20	1.68	6.85	2.97	2.29	3.68	1.68	2.30	1.75	1.18	27.83
Sturgeon Bay	2.07	1.30	1.60	2.07	10.54	1.99	1.44	1.36	1.30	2.47	2.68	1.42	30.24
Sugar Camp Dam	1.01	1.28	0.98	1.35	8.20	1.21	2.30	6.48	2.52	2.46	2.23	1.07	31.09
Superior	0.92	0.22	0.29	1.99	4.02	1.63	1.49	2.12	1.49	2.73	2.32	2.27	21.49
Tomahawk	1.07	0.95	1.07	0.90	3.06	2.22	3.25	8.25	2.47	2.13	2.99	1.48	34.84
Twin Lakes Dam	1.22	1.73	0.62	1.18	6.09	2.11	1.80	4.88	2.06	1.56	2.05	.....	.....
Viroqua	1.95	0.56	1.66	2.68	8.47	2.84	3.54	1.90	1.85	1.69	2.38	0.96	30.48
Vudesare	0.95	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.35	.....
Watertown	4.27	1.83	1.48	2.58	5.60	2.00	2.22	1.84	2.00	2.49	1.96	3.20	31.47
Waukesha	5.60	1.45	1.63	3.51	4.23	1.42	1.40	1.60	1.29	2.83	2.90	2.51	30.37
Waupaca	3.95	1.21	1.78	2.69	9.97	1.79	1.71	4.35	1.52	3.44	3.10	1.62	37.13
Wausau	0.86	0.79	0.78	1.58	7.85	1.88	3.90	4.89	1.58	1.69	2.00	1.03	28.53
Weyerhauser	1.25	1.38	1.28	1.63	6.78	1.14	3.80	6.64	1.94	3.50	3.66	1.85	34.85
Whitehall	1.56	0.48	1.50	2.59	6.58	4.48	2.40	3.46	1.71	.....	.....	1.26	.....
Winter	1.34	0.93	0.45	1.47	6.02	1.74	4.41	4.35	1.65	3.49	2.34	1.96	29.15

Monthly and annual precipitation for 1918—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Wyoming.													
Afton	3.59	2.04	1.17	1.35	1.85	0.30	3.85	0.70	2.27	4.84	0.30	0.09	22.35
Alta	3.57	1.60	0.87	1.49	2.43	1.31	2.40	2.21	1.67	2.29	1.29	0.89	22.02
Arapahoe	0.50	0.27	0.48	1.33	0.95	1.15	1.36	0.10	0.91	0.49	0.24	0.32	8.10
Archer	.....	.....	.....	4.14	1.69	2.95	.....	.....	.....	.....	.....	.....	.....
Arlington	.....	1.72	2.02	0.98	1.62	1.26	1.39	.....	3.35	2.53	.....	.....	.....
Basin	.....	.....	.....	.....	.....	.....	.....	.....	2.64	0.30	0.45	0.61	.....
Bedford	2.90	1.85	.....	0.80	1.79	0.94	1.80	0.33	0.84	2.27	1.02	0.60	.....
Big Creek	.....	.....	.....	.....	.....	0.43	2.36	.....	1.73	1.41	1.31	0.46	.....
Border	2.60	1.76	0.76	0.56	2.00	0.24	1.75	0.21	1.76	2.45	0.30	0.28	14.67
Boyd	1.89	0.47	0.81	2.30	1.40	2.80	4.23	1.38	2.96	0.99	0.54	0.77	20.54
Buffalo	0.87	0.07	0.94	2.01	1.19	1.32	1.81	1.22	1.64	0.33	0.21	0.16	11.77
Burns	1.05	0.50	0.03	3.27	2.08	0.84	5.74	.....	.....	.....	.....	.....	.....
Casper	1.32	0.75	0.96	2.74	0.99	2.06	1.60	0.15	1.92	0.04	0.53	0.50	13.56
Centennial	1.10	2.33	1.30	1.71	0.95	2.20	1.50	0.42	1.63	1.56	0.55	0.45	15.70
Cheyenne	0.47	0.89	0.19	3.92	2.60	1.24	3.90	1.68	2.57	0.68	0.54	0.58	19.26
Chugwater	0.33	0.51	T.	1.40	3.20	1.22	1.27	2.85	3.75	0.31	0.08	0.22	15.14
Clark	0.78	0.20	0.85	2.08	0.98	1.12	1.89	0.12	2.47	1.74	1.21	0.10	13.54
Clearmont	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.47	0.27	0.19	.....
Cody	0.76	0.18	0.91	1.69	0.70	1.49	1.31	0.26	2.24	0.46	1.81	T.	11.81
Cokeville	2.10	1.73	0.84	0.56	1.13	0.60	1.46	0.36	1.57	1.66	0.61	0.24	12.86
Colony	0.65	0.54	1.10	2.06	2.85	0.80	2.05	3.72	4.04	0.17	0.19	0.30	18.47
Crandall Creek	2.24	1.00	.....	.....	.....	.....	.....	0.43	1.87	1.84	0.37	.....	.....
Crow Hill	2.89	0.58	3.02	7.23	3.61	2.99	2.66	1.45	3.63	0.68	0.67	0.86	30.27
Deaver	0.29	T	0.05	1.57	0.75	0.26	1.19	0.54	1.68	0.36	0.59	0.14	7.42
Dome Lake	2.69	1.05	3.41	5.16	2.13	1.96	3.48	2.29	3.26	0.94	0.89	1.03	28.29
Douglas	0.92	0.30	0.35	2.17	1.67	2.07	2.40	1.64	2.70	0.20	0.39	0.42	15.23
Dubois	0.22	0.50	0.30	2.64	1.10	1.82	1.52	0.20	1.14	0.74	0.13	0.25	10.56
Dutch Joe	0.36	2.80	1.40	.....	.....	1.99	0.88	0.37	2.66	1.93	0.65	.....	.....
Dwyer	0.62	0.67	0.10	.....	1.78	0.80	1.45	0.71	.....	.....	.....	.....	.....
Echeta	2.38	0.50	1.55	4.17	3.20	1.38	4.40	.....	2.20	0.70	0.45	0.80	.....
Eden	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.52	0.05	T.	.....
Elk Mountain	3.02	3.20	1.20	0.30	3.10	1.00	2.00	0.40	2.00	0.40	.....	T.	.....
Emblem	0.42	0.18	0.55	2.37	1.05	0.65	0.85	0.00	1.75	0.38	0.35	0.20	8.75
Encampment	0.30	1.82	0.72	0.65	0.35	1.21	1.35	0.29	1.75	1.04	0.99	0.22	10.69
Ervay	0.98	1.07	1.23	2.26	2.70	0.89	2.23	0.13	1.28	1.09	0.82	0.42	15.10
Evanston	0.60	2.18	1.78	1.22	1.07	1.15	1.50	0.17	1.83	1.46	0.69	0.04	13.69
Fort Laramie	0.88	2.10	0.06	2.45	2.08	0.82	2.76	2.60	3.82	0.61	0.41	0.42	19.01
Foxpark	2.40	1.39	1.55	2.45	0.56	2.15	1.01	0.40	1.31	1.72	1.32	1.19	17.45
Gillette	0.89	0.15	0.97	2.96	2.26	2.37	2.94	1.33	.....	.....	.....	.....	.....
Green River	0.09	0.43	0.66	0.47	0.71	0.95	0.60	0.03	0.96	0.17	0.16	0.13	5.36
Hecla	0.45	0.91	0.34	3.11	3.94	1.33	3.36	2.00	2.60	0.72	1.45	1.09	21.30
Hunters Station	.....	.....	.....	.....	2.46	1.78	3.65	2.12	2.22	0.89	.....	.....	.....
Hyattville	2.27	0.00	0.89	1.90	1.85	1.40	0.40	0.00	1.10	0.30	0.03	0.05	10.19
Jackson	1.67	1.45	1.70	1.26	3.03	0.96	0.80	1.23	0.90	.....	0.29	.....	.....
Jireh	.....	.....	.....	1.18	2.05	1.64	0.93	0.30	2.41	0.29	.....	.....	.....
Kendall	0.78	.....	3.42	0.89	2.39	1.82	2.56	0.86	1.26	1.75	0.27	0.33	.....
Kirtley	0.36	0.29	0.42	1.86	2.85	2.02	2.56	0.57	5.43	0.61	0.15	0.95	17.98
Kirwin	.....	.....	.....	.....	.....	.....	2.58	2.09	.....	.....	.....	.....	.....
Knowles	1.18	0.34	1.51	3.48	3.67	2.13	3.38	3.66	4.88	0.47	0.46	0.77	25.93
Lagrange	0.71	0.35	0.44	2.72	2.68	3.39	1.92	1.23	3.90	1.07	0.40	1.08	19.89
Lander	1.02	0.72	1.17	2.62	1.98	1.31	0.60	0.27	1.03	0.40	0.93	1.13	13.18
Laramie	0.12	0.55	0.85	1.27	0.74	1.24	3.05	1.17	1.33	0.80	0.84	0.62	12.58
Lenore	0.80	0.35	0.05	1.20	2.10	1.70	2.50	.....	.....	.....	.....	.....	.....
Lovell	2.13	T.	0.06	1.18	.....	0.72	.....	0.23	1.95	.....	0.36	0.09	.....
Lusk	0.35	0.10	0.10	2.68	2.91	1.26	1.40	0.32	1.35	0.10	0.05	0.05	10.67
Middle Fork Ranger Station	1.16	1.39	2.04	3.95	1.84	1.79	0.59	0.26	2.39	0.68	1.10	1.21	18.40
Moorcroft	1.45	0.20	0.13	2.14	1.96	.....	.....	.....	.....	.....	.....	.....	.....
Moran	2.77	2.86	2.09	2.69	3.14	0.91	0.50	1.83	1.67	1.73	1.00	0.31	21.50
Newcastle	1.02	0.27	0.46	2.05	1.69	2.15	3.73	1.89	2.55	0.15	0.57	0.27	16.80
Opal	0.21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pathfinder	0.64	0.56	0.48	2.28	2.30	1.02	1.68	0.24	1.73	0.58	0.25	0.22	11.98
Pine Bluffs	0.60	0.60	0.05	.....	.....	1.80	2.00	.....	1.60	.....	0.68	0.30	.....
Pinedale	0.66	1.29	0.18	0.49	0.87	0.47	2.34	0.65	1.16	1.57	0.25	0.16	10.09
Powell	0.18	T.	0.02	0.45	0.70	0.75	2.45	0.17	2.73	0.39	0.43	T.	8.27
Rawlins	0.10	1.21	1.30	0.65	1.02	1.53	0.91	0.43	1.44	1.19	0.89	T.	10.67
Riverton	.....	.....	.....	.....	.....	.....	.....	0.07	1.12	0.89	0.17	0.34	.....
Rock River	1.41	1.25	1.28	0.75	0.89	0.75	1.05	0.03	1.57	1.47	0.55	0.32	11.32
Rockypoint	0.92	0.40	0.88	3.16	3.00	1.68	2.52	.....	2.70	0.27	0.61	0.89	.....
Sand Lake	5.95	4.69	3.22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Saratoga (near)	1.27	0.70	0.46	1.62	1.33	2.02	2.06	0.95	1.40	0.95	1.12	.....	.....
Seven Mile Creek	0.61	1.59	2.18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sheridan	2.21	0.19	3.32	3.74	2.83	1.27	1.78	0.93	2.68	0.51	0.58	0.21	20.25
Sheridan Creek	1.11	1.36	1.09	0.85	0.80	1.73	2.65	0.81	.....	1.21	0.48	0.18	.....
Sheridan Field Station	1.56	0.08	1.65	2.92	3.17	1.65	1.16	1.02	2.39	0.80	0.60	0.15	17.15
Sherman	0.40	1.00	0.90	2.20	2.13	0.91	0.74	.....	.....	.....	.....	.....	.....
Shoshone Dam	1.76	0.17	1.22	1.57	0.77	0.67	2.37	0.47	2.77	0.65	1.19	0.22	13.83
South Pass City	0.70	1.43	1.65	1.12	0.78	1.27	0.95	0.37	2.96	0.58	0.52	0.34	12.67
Spencer (near)	1.03	0.28	0.15	2.85	2.87	3.09	1.33	2.15	1.75	0.13	0.26	0.75	16.63
Sundance	.....	.....	.....	2.42	2.81	3.43	5.66	0.76	3.79	0.65	0.61	0.76	.....
Superior	0.70	0.94	1.01	0.42	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sussex	0.28	T.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Thermopolis	0.63	0.25	0.95	2.88	1.87	1.09	.....	.....	1.79	0.40	.....	0.40	.....
Timber Creek	1.01	0.56	0.83	3.56	3.02	1.55	2.71	0.82	2.64	1.66	0.99	0.69	20.04
Upton	1.26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Valley	0.68	0.38	0.62	1.60	3.14	0.61	1.68	0.31	2.81	1.98	0.87	.....	.....
Verona	1.88	0.27	3.30	3.54	3.20	1.34	1.27	1.90	2.62	1.25	0.78	0.35	21.70
Wheatland	0.94	0.80	0.16	2.34	3.34	2.70	2.96	0.97	1.19	0.39	0.61	0.31	17.21
Willow Springs Ranger Station	3.07	0.54	1.07	4.57	1.74	5.01	2.79	1.33	2.41	0.08	0.45	1.23	24.79
Worland	1.25	0.03	2.11	2.60	0.76	1.84	0.60	T.	1.54	0.12	0.31	0.22	11.38
Wyncote	0.36	0.31	0.03	3.46	2.47	4.58	3.79	0.44	4.67	T.	0.21	0.20	20.52
Yellowstone Park	1.98	2.03	1.89	1.59	1.95	2.97	2.14	0.86	2.11	2.27	0.66	0.39	20.84
Gallatin [1]	.....	2.10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lake Yellowstone [1]	.....	2.07	1.43	0.60	.....	.....	.....	.....	.....	.....	.....	.....	.....
Riverside [1]	.....	.....	1.50	0.53	.....	.....	.....	.....	.....	.....	.....	.....	.....
Snake River [1]	5.56	2.68	2.42	1.06	.....	.....	.....	.....	.....	.....	.....	.....	.....
Soda Butte [1]	4.00	1.50	1.09	1.27	0.55	.....	2.80	.....	.....	.....	.....	.....	.....

[1] Station within Yellowstone Park.

SNOWFALL, 1918-19.

Monthly and seasonal snowfall, 1918–19.

NOTE.—Leaders under heading of months indicate no snow; under seasonal, report incomplete; T., a trace; (*), no report.

[Inches and tenths.]

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Alabama.										
Anniston				T.	4.4	T.				4.4
Auburn					T.					T.
Birmingham				T.	6.4	T.				6.4
Decatur					4.5	T.				4.5
Evergreen										0.0
Florence					0.3	0.6				0.9
Gadsden				T.	4.0					4.0
Greensboro					2.0					2.0
Highland Home					0.5					0.5
Mobile					T.					T.
Montgomery					0.5					0.5
Oneonta				0.5	6.0	1.5				8.0
St. Bernard					6.9	T.				6.9
Union Springs					T.					T.
Valley Head					11.5	T.				11.5
Alaska.										
Akiak	(*)	(*)	4.5	4.5	5.2	T.	8.2	(*)	(*)	
Akulurak		2.0	3.0	21.0	T.	5.0	T.	3.0	(*)	
Allakaket		(*)	19.5	21.7	9.7	(*)	(*)	(*)	(*)	
Anchorage (Ship Creek)	T.	10.6	16.0	17.0	17.0	2.1	2.5	T.		65.2
Annex Creek		51.2	59.7	54.0	52.2	41.0	28.2	T.	T.	286.3
Beaver Dam	(*)	(*)	(*)	(*)	(*)	(*)	4.0	1.0		
Calder			1.0	45.0	28.0	19.0	18.0			111.0
Chickaloon	0.1	2.1	3.0	15.0	(*)	T.	(*)			
Chitina		9.0	27.6	7.9	10.9	0.8	0.5	0.2		56.9
Cordova		1.0	47.2	34.2	50.2	22.0	15.0	0.5		170.1
Eagle		4.9	22.4	7.2	5.9	1.0	0.5	0.3	T.	42.2
Fairbanks		1.0	4.9	3.1	1.8		T.	1.2		12.0
Fortmann Hatchery			0.5	48.5	57.0	24.0	7.5			137.5
Fort Yukon	T.	10.7	12.2	5.0	9.2	1.5	2.5	T.		41.1
Goodnews Bay	(*)	(*)	(*)	(*)	9.4	10.0	(*)	(*)	(*)	
Gulkana		4.3	15.7	(*)	(*)	(*)	(*)	T.		
Herendeen Bay	(*)	(*)	(*)	(*)	10.5	(*)	(*)	(*)	(*)	
Holy Cross	T.	T.	15.0	(*)	(*)	0.2	1.7	1.0	(*)	
Hot Springs	(*)	8.5	(*)	6.5	(*)	T.	1.0	T.	(*)	
Indian River	T.	4.2	14.4	42.4	26.4	1.1	7.0	2.9		98.4
Juneau		9.5	6.1	40.1	26.5	8.1	11.7	T.	1.2	103.2
Jumbo Mine		5.0	17.0	68.0	101.0	(*)	(*)	(*)	(*)	
Kasaan (near)			(*)	(*)	50.0	(*)	(*)	(*)		
Kennecott		6.9	32.6	12.0	12.8	2.0	(*)	(*)	(*)	
Ketchikan			0.5	17.6	21.2	9.0	2.9			51.2
Klukwan		28.0	26.5	16.8	32.2	9.5	13.5	T.	T.	126.5
Kodiak (b)		2.0	5.5	4.0	20.5	(*)	(*)	(*)		
Latouche		T.	16.7	13.5	42.5	35.0	8.0			115.7
Matanuska		3.0	8.5	8.0	6.5	T.	1.0			27.0
Naknek		(*)	8.8	1.5	8.0	(*)	9.0	T.	(*)	
Nenana		7.0	4.0	2.3	1.1		0.3	T.		14.7
Noatak	(*)	1.0	1.0	5.0	2.0	1.0	1.2	(*)	(*)	
Nome	T.	3.0	1.2	9.4	5.0	4.7	2.5	1.9	1.3	29.0
Nulato	T.	10.1	19.2	15.8	18.0	3.8	1.0	0.6	T.	68.5
Paxson	(*)	12.0	9.0	14.5	(*)	(*)	(*)	(*)	(*)	
Perseverance Camp		17.0	44.0	51.2	72.4	44.7	(*)	6.8	(*)	
Rampart		(*)	11.5	7.7	7.5	0.6	2.0	1.0		
Salmon Creek Beach		7.0	3.5	(*)	(*)	(*)	(*)	(*)	(*)	
St. Michael		5.7	(*)	(*)	(*)	(*)	(*)	(*)	(*)	
Seldovia		T.	28.0	13.0	34.0	47.0	7.0	6.0		135.0

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Alaska—Continued.										
Seward	.....	T.	15.0	20.0	36.0	33.0	18.0	T.	.....	122.0
Sitka	.....	T.	2.8	12.0	9.5	4.1	4.8	T.	T.	33.2
Skagway	.....	0.5	5.3	14.8	11.0	1.9	3.0	T.	0.5	37.0
Speel River	.....	39.7	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Sulzer	.....	.....	(*)	32.7	(*)	(*)	(*)	(*)	.....	.....
Talkeetna	.....	6.0	22.1	43.5	(*)	(*)	5.0	.....	.....	.....
Tanana	T.	2.5	3.0	4.8	1.3	0.3	1.2	1.5	.....	14.6
Valdez	.....	1.0	32.6	68.5	54.5	35.5	19.2	5.5	3.0	219.8
Wiseman	(*)	(*)	17.9	11.5	7.0	4.0	3.7	12.4	.....	.....
Wrangell	.....	.....	2.0	20.1	28.1	9.1	2.2	.....	.....	61.5
Yakutat	.....	.....	(*)	27.0	40.0	23.5	12.0	.....	.....	.....
Arizona.										
Alamo Ranger Station	.....	.....	.....	.....	.....	1.0	.....	.....	.....	1.0
Ashdale Ranger Station	.....	.....	.....	.....	(*)	7.0	10.0	.....	.....	.....
Ashfork	.....	.....	.....	4.0	.....	(*)	.....	.....	.....	.....
Baseline Ranger Station	.....	.....	5.2	(*)	3.0	3.5	0.6	(*)	(*)	.....
Benson	.....	(*)	T.	T.	.....	1.1	0.2	.....	.....	.....
Bisbee	.....	.....	8.5	6.0	0.2	7.5	2.0	.....	.....	24.2
Blue	.....	.....	22.0	33.0	6.2	10.3	0.5	T.	T.	72.0
Bly Ranger Station	.....	T.	(*)	26.5	15.0	24.0	(*)	T.	(*)	.....
Bowie	.....	(*)	(*)	(*)	.....	0.2	(*)	.....	.....	.....
Canille	.....	.....	5.5	19.0	1.0	10.5	3.0	.....	.....	39.0
Cedar Glade	(*)	.....	(*)	9.0	T.	16.5	2.0	.....	.....	.....
Childs	.....	.....	.....	T.	.....	.....	.....	.....	.....	T.
Chin Lee	.....	.....	1.5	9.5	1.0	4.5	3.0	T.	.....	19.5
Clifton	.....	.....	2.5	5.3	.....	T.	.....	.....	.....	7.8
Cochise	.....	.....	.....	3.0	.....	1.0	0.6	.....	.....	4.6
Cornville	.....	.....	T.	.....	.....	.....	.....	.....	.....	T.
Cosnino	.....	.....	5.0	29.0	10.0	22.0	18.0	0.5	(*)	.....
Douglas	.....	.....	0.6	.....	.....	(*)	.....	.....	.....	.....
Dudleyville	.....	.....	.....	.....	.....	T.	T.	.....	(*)	.....
El Dorado	.....	(*)	11.6	5.0	.....	(*)	4.0	.....	.....	.....
Elgin (near)	.....	.....	.....	8.0	.....	.....	.....	.....	.....	8.0
Fairbank	.....	.....	.....	.....	.....	T.	.....	.....	.....	T.
Flagstaff	.....	.....	9.3	16.7	5.7	29.2	8.4	0.5	.....	69.8
Fort Apache	.....	.....	6.0	(*)	.....	(*)	(*)	(*)	.....	.....
Fort Grant	(*)	.....	3.0	2.8	(*)	(*)	(*)	.....	.....	.....
Fort Huachuca	(*)	.....	(*)	(*)	(*)	5.0	T.	.....	.....	.....
Fort Valley	.....	.....	12.2	23.6	T.	38.2	23.6	1.0	.....	98.6
Gisela	.....	.....	.....	7.5	.....	3.7	1.5	.....	.....	12.7
Globe	.....	.....	T.	9.0	.....	7.0	.....	.....	.....	16.0
Grand Canyon	.....	.....	6.1	20.0	6.0	29.0	19.0	0.5	.....	80.6
Greer	.....	1.0	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Hackberry Ranger Station	.....	.....	T.	3.0	.....	.....	.....	.....	.....	3.0
Heber	.....	.....	6.0	(*)	6.5	(*)	14.0	T.	.....	.....
Henry's Camp	.....	.....	10.0	(*)	1.0	35.0	21.2	4.0	.....	.....
Hereford	.....	.....	.....	T.	.....	2.0	.....	.....	(*)	.....
Holbrook	.....	.....	11.0	5.0	.....	13.0	4.0	T.	(*)	.....
Honeymoon	.....	.....	(*)	13.5	(*)	(*)	(*)	(*)	(*)	.....
Intake	.....	.....	.....	1.5	.....	2.0	.....	.....	.....	3.5
Jerome	(*)	(*)	(*)	(*)	1.0	19.0	(*)	.....	.....	.....
Kayenta	(*)	(*)	(*)	(*)	15.0	(*)	6.0	(*)	.....	.....
Keams Canyon	.....	.....	(*)	11.0	T.	11.5	18.0	.....	.....	.....
Kingman	.....	.....	.....	3.0	.....	3.0	.....	.....	.....	6.0
Klondyke	.....	.....	T.	3.5	.....	2.5	.....	.....	.....	6.0
Lakeside	.....	.....	12.5	20.3	18.4	35.1	17.0	(*)	(*)	.....
Las Moras Ranch	.....	(*)	(*)	(*)	.....	2.2	(*)	.....	.....	.....
Leslie Canyon	.....	.....	0.5	.....	.....	3.5	0.5	.....	.....	4.5
Leupp	.....	.....	3.0	5.5	1.0	1.0	.....	.....	.....	10.5
Lewis Springs	.....	.....	0.5	T.	.....	1.3	T.	.....	.....	1.8
Lukachukai	.....	1.1	(*)	(*)	23.0	10.0	1.0	(*)	(*)	.....
Miami	.....	.....	(*)	7.5	.....	5.0	.....	.....	.....	.....
Moccasin	.....	.....	7.0	6.0	1.0	8.0	(*)	.....	.....	.....
Naco	.....	.....	T.	1.5	T.	1.0	T.	.....	.....	2.5
Natural Bridge	.....	.....	T.	8.0	.....	18.0	2.0	.....	.....	28.0
Nogales	.....	.....	T.	T.	T.	2.2	0.5	.....	.....	2.7
Oracle	.....	.....	.....	14.0	.....	13.5	1.0	.....	.....	28.5

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Arizona—Continued.										
Osborn			T.	5.0		3.5	T.			8.5
Paradise			13.7	11.0		16.8	1.5			43.0
Payson			0.8	19.0		20.0	12.0			51.8
Pinal Ranch			1.1	24.0		15.0				40.1
Pinedale			14.0	28.1	2.7	37.9	22.6	2.5		107.8
Pinto			4.0	13.0	1.8	10.5	2.8			32.1
Portal	(*)		12.0	8.8	0.2	4.5	2.0			
Prescott			5.3	9.5		27.0	2.7	1.2		45.7
Prescott Dry Farm			0.5	6.6		10.9	3.0			21.0
Roosevelt				0.5				(*)	(*)	
Rosemont				5.2		5.5	(*)	(*)		
St. Johns			4.5	14.0	6.5	(*)	(*)	(*)	(*)	
St. Michaels			2.0	21.0	1.0	7.5	6.5	T.		38.0
Seligman			5.5	10.0		6.0				21.5
Show Low			17.0	19.0	(*)	22.5	(*)	(*)	(*)	
Snowflake			5.5	14.0	2.0	10.0	14.0	1.0		46.5
Springerville			4.4	5.6	2.4	11.9	2.7	1.8		28.8
Spring Valley Ranger Station	(*)	(*)	8.0	(*)	13.5	31.0	8.0	(*)		
Sunflower Ranger Station		(*)		(*)	3.0	0.5	1.0	(*)		
Tombstone			T.	1.0		2.2	T.			3.2
Tonto Ranger Station				12.8		12.2	(*)			
Tuba City	(*)	(*)	(*)	(*)	1.0	1.0				
Tucson (University of Arizona)				T.						T.
Walnut Creek Ranger Station			T.	15.0	3.0	25.0	16.0			59.0
Williams			14.2	(*)	1.3	30.4	15.3			
Willow Creek Ranger Station			1.2	16.5	14.0	(*)	6.0			
Willow Wash			12.0	25.0	(*)	38.0	(*)	(*)	(*)	
Windmill Ranch			1.0	5.5	(*)	11.0				
Winona			(*)	15.0	3.0	(*)	4.0	3.0		
Winslow			2.0	10.0	T.	1.5				13.5
Yaeger Canyon Ranger Station			5.0	6.0	4.0	30.0	7.0	4.0		56.0
Arkansas.										
Alicia					T.	7.0	(*)			
Arkadelphia										0.0
Arkansas City					T.					T.
Batesville			T.	T.	T.	5.0				5.0
Bee Branch			T.	0.5	0.7	6.0				7.2
Bentonville			1.0	1.6	2.5	7.8	4.1			17.0
Bergman			T.	T.	5.0	9.0	3.0			17.0
Black Rock			T.		1.0	3.2				4.2
Brinkley				T.	T.	T.				T.
Calico Rock			T.		1.0	5.0				6.0
Camden					T.					T.
Centerpoint	(*)				(*)	(*)	(*)			
Clarendon				T.	T.	T.	T.			T.
Conway						3.5				3.5
Corning					1.0	1.0				2.0
Crossett										0.0
Danville			T.		0.5	0.2				0.7
Dardanelle						3.5				3.5
Dodd City				0.3	2.8	8.0	2.0			13.1
Dumas					T.	T.	T.			T.
Eldorado				(*)						
England		(*)	(*)	(*)	0.2	T.				
Eureka Springs			T.	2.0	1.0	6.0	2.0			11.0
Fayetteville			0.5	T.	2.8	7.7	5.0			16.0
Fort Smith			T.	T.	1.2	1.0				2.2
Fulton										0.0
Georgetown				0.2		4.5				4.7
Gravette			0.5	0.5	0.5	5.0	3.0			9.5
Hardy			T.	T.	1.3	6.5	T.			7.8
Helena										0.0
Hope			T.			T.				T.
Hot Springs					T.	T.				T.
Huttig										0.0
Jelks						2.5	T.			2.5
Jonesboro				T.	0.2	4.7	T.			4.9
Junction										0.0

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Arkansas—Continued.										
Little Rock				T.	T.	0.8	T.			0.8
Lutherville			T.		0.5	4.3				4.8
Malvern				T.	T.	T.				T.
Mammoth Spring			T.		1.0	4.5	T.			5.5
Marianna					T.	T.	T.			T.
Marked Tree				1.1		5.0				6.1
Marshall			0.2	1.5	0.9	9.0	6.0			17.6
Mena			1.5	T.	0.8	T.				2.3
Mountain Home			T.			5.0				5.0
Mount Ida			T.			T.				T.
Murfreesboro										0.0
Nail			T.	T.	T.	8.0	4.0			12.0
Newport				T.	T.	4.0				4.0
Okay		(*)		0.5		6.0				
Osceola				T.	T.	(*)				
Ozark			0.1			0.8				0.9
Pine Bluff						0.5				0.5
Pocahontas					1.0	4.0		T.		5.0
Portland					T.	T.				T.
Prescott										0.0
Princeton										0.0
Rison										0.0
Rogers			0.8	0.2	1.5	6.8	3.5			12.8
Searcy				0.8	T.	4.0				4.8
Sheridan							(*)	*		
Springbank										0.0
Stuttgart					T.	T.	T.			T.
Subiaco			T.	T.	T.	2.0				2.0
Texarkana										0.0
Warren										0.0
Whitecliffs										0.0
Wynne				0.5	T.	4.0				4.5
California.										
Alturas			2.0	11.0	2.8	28.8	10.5	1.0		56.1
Bishop Creek		0.4	8.2	24.5	1.0	58.5	42.5	2.0		137.1
Blue Canyon			T.	22.0	21.0	110.0	46.0			199.0
Branscomb						4.2	10.0			14.2
Bucks			18.0	23.0	23.0	55.0	28.0	5.0		152.0
Calaveras Ranger Station			2.0	2.2	T.	26.2	19.2			49.6
Camptonville (near)			1.5	1.0	T.	44.5	27.0			74.0
Canon Dam				13.0	17.0	80.0	25.0	4.0		139.0
Cascada			4.0	6.0	6.2	33.5	23.0			72.7
Cedarville			6.2	9.0	2.5	26.0	8.0			51.7
Chester			11.5	14.0	26.5	62.0	28.5	1.0		143.5
Clover Valley			11.0	16.0	12.0	58.0	15.0	6.0		118.0
Colfax						16.0	5.0			21.0
Cuyamaca			0.3	6.5	3.0	23.0	14.5			47.3
Deer Creek			4.0	6.5	5.0	68.0	39.0			122.5
De Sabla				4.5		28.5	21.0			54.0
Downieville			0.5	0.8	3.5	29.0	22.0	T.		55.8
Dudleys			1.0	1.5		18.5	15.0			36.0
Eagle Lake			4.8	8.5	7.8	55.8	23.8	1.5		102.2
Emigrant Gap			24.0	15.0	25.0	158.0	67.0	4.0		293.0
Fordyce Dam		1.0	39.0	25.0	39.0	155.0	79.0	13.0		351.0
Fort Bidwell			8.0	15.0	4.8	35.0	10.5			73.3
Glennville			T.	T.		8.0	15.0			23.0
Gold Run					T.	29.0	20.0			49.0
Grass Valley						19.5	10.0			29.5
Happy Camp			T.	5.6		7.3				12.9
Hayfork			T.	1.0	T.	12.0	T.			13.0
Hetch Hetchy			3.5	6.0	4.0	50.0	26.0			89.5
Hot Springs				4.0						4.0
Hullville (near)				3.2		11.8	8.2	0.1		23.3
Huntington Lake			42.2	36.0	19.2	93.5	62.5	2.2		255.6
Inskip			15.5	33.2	27.0	106.0	46.0	3.5		231.2
Julian			T.	5.5		26.0	20.0	T.		51.5
Lake Eleanor			11.5	14.0	8.0	90.0	55.0			178.5

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
California—Continued.										
Lake Spaulding	.....	.....	27.0	24.0	28.5	135.2	58.0	5.0	.....	277.7
La Porte	.....	.....	21.0	15.5	32.2	82.8	39.0	4.0	.....	194.5
Lone Pine	.....	.....	.....	.....	.....	1.0	.....	.....	.....	1.0
McCloud	.....	.....	2.5	7.2	10.0	51.0	25.0	.....	.....	95.7
Madeline	.....	.....	6.0	15.0	7.0	40.0	13.0	T.	.....	81.0
Mill Creek (No. 1)	.....	.....	.....	1.5	.....	9.5	9.5	.....	.....	20.5
Nellie	.....	0.5	1.0	9.5	T.	25.5	24.2	1.0	.....	61.7
Nevada City	.....	.....	.....	.....	.....	20.0	11.0	.....	.....	31.0
North Bloomfield	.....	.....	1.5	1.0	.....	26.5	.....	.....	.....	29.0
North Fork	.....	.....	T.	1.8	.....	5.5	8.0	.....	.....	15.3
Portola	.....	.....	11.5	7.0	13.0	49.5	21.0	.....	.....	102.0
Quincy	.....	.....	2.0	2.5	2.0	32.0	19.0	0.5	.....	58.0
Ruth	.....	.....	T.	14.0	2.0	24.5	13.0	T.	.....	53.5
Seven Oaks	.....	.....	.....	8.0	T.	43.0	33.0	2.0	.....	86.0
Sierraville	.....	.....	4.0	7.5	4.0	51.0	16.0	2.0	.....	84.5
Sisson	.....	.....	.....	14.0	24.0	50.0	38.0	.....	.....	126.0
Springville (near)	.....	.....	3.0	7.5	.....	35.5	28.0	.....	.....	74.0
Squirrel Inn	.....	.....	.....	9.0	2.0	2.0	33.0	5.0	.....	51.0
Stevenson Creek	.....	.....	7.0	10.0	1.0	27.5	29.0	.....	.....	74.5
Summit	.....	4.0	54.0	40.0	48.0	133.0	36.0	6.0	.....	321.0
Table Rock	.....	.....	26.0	(*)	(*)	(*)	(*)	(*)	.....	.....
Tahoe	.....	.....	22.5	18.0	23.0	101.0	34.0	5.0	.....	203.5
Tamarack	.....	.....	52.0	54.0	28.0	132.0	59.0	16.0	.....	341.0
Towle	.....	.....	2.0	2.0	.....	50.0	31.0	.....	.....	85.0
Truckee	.....	.....	11.0	7.0	17.0	139.0	25.0	3.0	.....	202.0
Weaverville	.....	.....	.....	3.0	.....	8.5	.....	.....	.....	11.5
West Branch	.....	.....	1.8	1.5	.....	35.5	22.5	.....	.....	61.3
Yosemite	.....	.....	4.0	4.0	4.0	36.5	23.0	.....	.....	71.5
Yreka	.....	.....	1.7	1.9	1.2	8.8	T.	.....	.....	13.6
Colorado.										
Akron	.....	6.0	7.0	13.0	0.7	5.0	0.8	5.0	.....	[1] 38.5
Ames	.....	10.0	29.5	5.5	3.0	38.0	35.0	17.5	T.	138.5
Arriba	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Ashcroft	(*)	13.0	14.0	(*)	5.5	(*)	20.0	15.0	5.0	.....
Aspen	.....	9.0	12.8	21.2	7.0	18.5	14.0	3.0	T.	85.5
Auldhurst	T.	4.0	19.0	23.7	4.0	15.8	17.5	29.5	T.	113.5
Blanca	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Bennett (near)	T.	T.	(*)	(*)	.....	(*)	(*)	(*)	(*)	.....
Bonanza	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Boulder	.....	2.0	14.0	15.5	.....	6.9	10.0	4.5	T.	52.9
Branson	.....	.....	9.0	21.0	2.0	19.0	9.5	10.0	(*)	.....
Buena Vista	.....	3.0	(*)	7.0	0.2	10.1	(*)	(*)	(*)	.....
Burlington	.....	1.0	2.0	35.0	.....	11.0	2.0	7.0	.....	[1] 60.0
Calhan	.....	T.	12.8	14.0	2.5	19.8	6.5	5.0	2.5	63.1
Canadian	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Canon City	.....	0.5	16.0	19.0	2.0	8.6	14.0	2.5	.....	62.6
Cascade	.....	10.0	37.0	43.0	(*)	62.0	41.0	14.0	3.0	.....
Castle Rock	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Cathedral	.....	2.0	13.0	3.5	1.0	14.5	7.0	1.0	.....	42.0
Cedaredge	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....	.....
Cheesman	.....	2.0	9.4	11.7	1.0	7.3	9.7	11.0	.....	11.0
Cheyenne Wells	.....	.....	5.5	17.0	3.0	10.0	(*)	4.0	.....	.....
Collbran	.....	T.	10.5	12.5	4.5	26.0	16.0	(*)	.....	.....
Colorado Springs	(*)	(*)	.....	.....	T.	(*)	(*)	(*)	.....	.....
Columbine	1.0	11.9	19.3	10.5	8.8	42.0	16.5	19.0	4.0	133.0
Columbine Ranch	.....	6.0	22.0	11.0	5.0	33.0	10.0	3.0	.....	90.0
Crawford (near)	.....	T.	19.0	10.0	5.5	9.5	.....	(*)	.....	.....
Crested Butte	T.	13.5	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Cripple Creek	4.0	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Cuchara Camps	.....	10.0	30.0	38.8	13.5	24.8	31.8	26.0	T.	[1] 179.4
Cumbres	.....	7.5	83.5	60.5	8.5	50.0	48.0	24.5	10.5	303.0
Delta	.....	.....	4.5	6.5	.....	(*)	2.5	(*)	.....	.....
Denver	T.	T.	14.2	19.6	1.8	6.5	3.4	0.8	.....	46.3
Dillon	.....	1.6	12.5	8.0	1.7	9.5	9.5	4.8	1.5	49.1
Dolores	.....	.....	(*)	17.5	.....	22.2	4.5	(*)	.....	.....
Dove Creek	.....	T.	13.0	18.0	2.0	19.0	18.0	2.0	.....	73.0
Durango	.....	0.3	29.9	20.1	2.0	37.2	8.1	8.3	.....	105.9

[1] Includes June, 1919: Akron, 1.0; Burlington, 2.0; Cuchara Camps, 4.5.

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Colorado—Continued.										
Eads	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Edgewater	.....	.....	8.0	(*)	.....	(*)	(*)	(*)	.....	.....
Estes Park	.....	6.0	14.0	10.0	1.0	3.0	16.0	(*)	1.0	.....
Fairplay	(*)	(*)	16.5	(*)	0.7	1.3	22.0	2.7	0.2	.....
Flebbe Ranch	(*)	(*)	(*)	4.0	2.0	9.0	4.0	2.0	.....	.....
Fort Collins	.....	T.	9.0	8.0	.....	3.4	9.8	1.0	.....	31.2
Fort Lewis	.....	T.	21.5	28.8	1.5	46.5	(*)	8.2	.....	.....
Fort Lupton	.....	T.	17.0	10.0	.....	6.5	3.0	1.0	.....	37.5
Fort Morgan	.....	0.5	2.8	8.5	1.5	5.3	1.0	2.0	.....	21.6
Frances	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Fraser	3.0	20.0	13.5	11.0	12.0	20.0	13.0	9.5	6.0	108.0
Fremont Experiment Station	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	2.8	.....
Fruita	.....	.....	8.8	1.8	T.	11.4	1.4	(*)	.....	.....
Fry's Ranch	.....	9.0	12.0	16.0	.....	8.0	14.0	7.0	.....	66.0
Garfield	2.5	11.0	28.0	28.3	2.5	33.9	30.5	24.5	T.	[1] 162.7
Garnett	.....	.....	7.5	9.0	T.	2.5	10.0	T.	.....	29.0
Georgetown	3.0	5.2	19.8	3.5	.....	4.5	8.0	11.5	0.5	56.0
Glade Park	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Glendevey	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....	.....
Glenwood Springs	.....	6.0	8.0	8.0	(*)	(*)	(*)	(*)	(*)	.....
Goodpasture	.....	1.0	20.0	26.5	0.5	15.5	21.0	7.5	.....	92.0
Grand Junction	.....	T.	6.8	5.0	0.6	6.7	3.9	0.2	.....	23.2
Grandlake	.....	15.0	19.5	10.5	2.5	21.5	5.5	T.	3.0	77.5
Greeley	.....	.....	7.0	.....	T.	4.5	(*)	2.0	.....	.....
Grover	.....	T.	4.0	6.0	1.0	5.0	2.0	(*)	T.	.....
Gunnison	.....	.....	15.8	10.5	0.8	15.3	4.0	(*)	.....	.....
Hamps	.....	7.2	12.8	9.0	2.8	8.5	5.0	4.2	T.	49.5
Hartsel	.....	0.1	7.0	13.6	0.5	13.0	10.2	10.0	.....	[1] 54.6
Hawthorne	.....	.....	18.5	16.5	T.	8.0	6.5	2.0	.....	51.5
Hermit	.....	6.5	20.0	21.5	T.	23.8	32.1	12.0	.....	115.9
Hoehne (near)	.....	.....	6.0	(*)	(*)	(*)	(*)	(*)	(*)	.....
Holly	(*)	(*)	(*)	(*)	(*)	2.3	(*)	8.0	.....	.....
Holyoke	.....	6.0	6.0	12.0	1.0	13.0	0.5	3.0	.....	41.5
Hoyt	.....	T.	5.0	19.0	.....	5.5	2.5	(*)	.....	.....
Huerfano	.....	T.	14.6	26.6	5.5	18.3	20.2	8.0	.....	93.2
Idaho Springs	1.5	8.1	16.5	13.0	1.2	3.3	13.8	9.7	T.	[1] 68.1
Ignacio	.....	T.	14.0	13.0	1.0	20.0	3.0	.....	.....	51.0
Ironton	.....	9.0	32.0	11.8	2.5	23.7	34.8	24.0	.....	137.8
Julesburg	.....	6.0	2.0	9.5	0.5	11.0	1.0	8.0	.....	38.0
La Junta	.....	.....	3.1	1.7	1.5	10.2	(*)	6.0	.....	.....
Lake Moraine	5.0	10.0	23.0	30.0	2.0	29.0	45.0	53.0	4.0	[1] 202.0
Lamar	.....	T.	6.2	19.5	1.0	4.2	0.5	16.0	.....	47.4
La Porte	.....	.....	14.5	8.0	11.0	2.7	7.0	(*)	.....	.....
Las Animas	.....	.....	4.0	10.0	T.	11.5	4.0	10.0	.....	39.5
La Veta Pass	.....	9.5	34.5	41.0	7.0	27.5	37.5	15.0	.....	[1] 181.0
Lay	.....	T.	5.0	4.0	1.0	25.0	11.0	(*)	7.0	.....
Leadville	.....	17.3	15.8	11.1	2.6	13.9	10.7	15.5	T.	86.9
Leroy (near)	T.	7.2	8.5	13.4	1.2	11.3	2.0	6.0	.....	49.6
Limon	.....	T.	14.0	8.0	(*)	6.0	4.0	10.0	.....	.....
Lonesome	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Longmont	.....	T.	11.0	8.8	.....	5.0	2.4	0.5	T.	27.7
Longs Peak	.....	5.0	14.0	28.0	2.0	10.0	33.0	27.0	.....	114.0
Lost Creek	3.5	24.0	28.5	21.0	14.0	47.5	15.5	22.5	2.0	178.5
Madrid	.....	.....	13.0	17.8	2.0	24.0	21.2	9.5	.....	87.5
Manassa	.....	.....	4.0	11.0	.....	3.0	1.0	.....	.....	19.0
Mancos	.....	.....	14.0	22.0	2.0	25.0	(*)	(*)	.....	.....
Meeker	.....	T.	16.0	17.0	T.	19.0	6.0	5.0	1.0	[1] 65.0
Montrose	.....	.....	12.9	6.9	4.7	12.4	3.3	(*)	.....	.....
Monument	.....	6.7	8.0	10.5	4.3	15.0	13.5	22.0	.....	[1] 83.3
Nast	T.	11.0	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
North Lake	.....	.....	35.2	24.3	T.	20.4	53.2	12.4	.....	145.5
Ordway	.....	.....	4.0	7.5	0.5	3.5	3.5	(*)	T.	.....
Palisade Lake	.....	1.0	33.5	52.1	4.0	47.5	38.0	19.0	.....	195.1
Palisades	.....	.....	6.5	5.2	1.0	1.7	3.0	(*)	.....	.....
Paonia	.....	T.	17.0	11.0	5.5	19.8	1.5	(*)	.....	.....
Peetz	.....	3.0	(*)	9.0	2.0	9.0	2.5	5.0	.....	.....
Pitkin	T.	2.1	18.3	10.0	1.8	26.2	28.0	24.8	4.0	[1] 115.5
Platte Canon	.....	.....	16.0	23.5	(*)	(*)	(*)	(*)	(*)	.....

[1] Includes June, 1919: Garfield, 1.5; Hartsel, 0.2; Idaho Springs, 1.0; Lake Moraine, 1.0; La Veta Pass, 9.0; Meeker, 1.0; Monument, 3.3; Pitkin, 0.3.

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Colorado—Continued.										
Platora	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Pueblo	.....	.....	7.8	9.4	0.3	8.8	7.0	4.4	.....	37.7
Pyramid	.....	11.5	(*)	(*)	(*)	(*)	(*)	(*)	.....	.....
Redvale	.....	T.	22.6	12.7	5.1	16.6	6.8	.....	.....	63.8
Rico	.....	7.5	32.5	23.0	2.0	38.5	16.5	12.8	2.0	134.8
Rifle	.....	.....	6.1	5.5	T.	6.0	(*)	.....	.....	.....
Rocky Ford (near)	.....	.....	3.5	16.0	2.0	6.5	5.0	16.0	.....	49.0
Saguache	.....	T.	4.0	9.8	.....	5.8	4.0	T.	.....	23.6
Salida	.....	.....	5.0	25.2	1.0	6.8	23.0	.....	.....	61.0
San Luis	.....	2.0	17.0	8.0	0.8	4.5	8.0	2.5	.....	42.8
Sapinero (near)	.....	7.3	34.9	18.8	6.0	34.4	17.6	9.6	0.4	129.0
Savage Basin	.....	35.5	56.0	31.5	22.5	72.0	72.5	52.0	14.5	[1] 359.5
Sedgwick	.....	2.0	2.8	9.5	1.0	11.5	1.0	.....	.....	27.8
Shoshone	.....	(*)	7.6	6.1	4.5	26.8	10.1	2.8	.....	.....
Silver Lake	.....	20.0	15.5	16.0	7.0	26.0	38.0	25.0	15.0	162.5
Silverton (near)	.....	9.0	25.5	20.5	0.5	42.5	37.5	8.5	3.5	147.5
Simpson	.....	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Spicer (near)	.....	(*)	(*)	6.5	.....	5.0	9.5	6.0	1.0	.....
Steamboat Springs	.....	13.0	13.5	12.0	8.5	43.3	11.5	3.5	.....	105.3
St. Elmo	.....	5.5	18.5	12.0	1.0	22.5	25.0	5.0	T.	89.3
Sterling	.....	.....	2.7	8.5	1.5	10.5	3.5	3.0	.....	29.7
Springfield	.....	.....	3.0	1.4	1.0	6.5	(*)	(*)	.....	.....
Tacoma	.....	1.0	14.0	31.0	1.0	31.0	9.5	5.0	.....	92.5
Telluride	.....	24.0	28.5	15.5	5.0	53.0	31.0	5.0	.....	162.0
Terminal Dam	.....	2.5	23.0	38.0	1.0	42.0	20.0	5.0	1.0	132.5
Trinidad	.....	T.	11.4	18.0	1.2	17.7	25.8	9.0	.....	[1] 85.1
Trout Lake	.....	14.5	43.0	18.0	5.0	(*)	44.5	24.5	6.0	.....
Two Buttes	.....	.....	2.5	17.0	2.0	5.0	1.0	8.0	.....	35.5
Two Buttes Reservoir	.....	.....	T.	18.0	1.0	T.	T.	(*)	.....	.....
Vallecito	.....	1.0	19.0	(*)	(*)	(*)	(*)	(*)	(*)	.....
Victor (near)	3.0	4.0	25.0	11.3	.....	11.5	23.8	12.5	2.0	93.1
Wagon Wheel Gap (Experiment Station)	.....	3.2	27.9	18.9	1.0	13.9	19.3	7.5	0.5	[1] 92.7
Wagon Wheel Gap (River Valley)	.....	0.1	13.0	15.0	1.0	11.0	11.0	4.4	.....	55.5
Waterdale	.....	.....	9.5	7.5	(*)	(*)	(*)	(*)	.....	.....
Westcliffe	.....	.....	18.5	30.0	4.0	7.5	17.5	14.0	.....	[1] 93.5
Wiggins	.....	.....	3.0	12.0	(*)	(*)	(*)	(*)	(*)	.....
Wortman	31.3	26.7	12.8	15.6	3.6	16.4	6.1	(*)	(*)	.....
Willard	.....	5.0	10.0	15.0	1.0	13.0	0.5	2.0	.....	46.5
Wray	.....	8.0	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Yampa (near)	.....	T.	7.0	(*)	8.0	12.5	12.0	6.0	.....	.....
Yuma	.....	7.0	13.0	18.5	1.0	14.0	3.0	(*)	.....	.....
Connecticut.										
Bridgeport	.....	.....	.....	1.5	2.0	2.2	5.4	T.	.....	11.1
Canton	.....	.....	.....	6.0	4.0	11.0	3.0	.....	.....	24.0
Colchester	.....	.....	.....	3.0	1.0	7.0	4.2	T.	.....	15.2
Cream Hill	.....	.....	0.2	11.8	12.0	14.0	8.5	2.5	.....	49.0
Danielson	.....	.....	.....	5.0	4.0	5.0	6.0	.....	.....	20.0
Hartford	.....	.....	T.	4.2	1.1	8.5	3.4	T.	.....	17.2
New Haven	.....	.....	T.	1.0	0.4	3.2	2.7	T.	.....	7.3
New London	.....	.....	.....	T.	2.5	7.0	T.	T.	.....	9.5
Norwalk	.....	.....	.....	1.0	1.5	2.0	3.0	.....	.....	7.5
Southington	.....	.....	.....	7.2	3.5	10.0	5.5	.....	.....	26.2
Torrington	.....	.....	.....	0.7	8.9	(*)	3.6	(*)	(*)	.....
Voluntown	.....	.....	.....	(*)	2.0	(*)	(*)	(*)	(*)	.....
Waterbury	.....	.....	.....	3.0	0.5	2.0	(*)	(*)	(*)	.....
Delaware.										
Delaware City	.....	.....	.....	T.	0.5	(*)	0.3	T.	.....	.....
Milford	.....	.....	.....	T.	1.5	T.	T.	T.	.....	1.5
Millsboro	.....	.....	.....	.....	1.5	.....	.....	.....	.....	1.5
Newark	.....	.....	.....	T.	0.6	(*)	(*)	T.	.....	.....
Seaford	.....	.....	.....	T.	1.0	T.	T.	T.	.....	1.0
Wilmington	.....	.....	.....	0.8	0.5	2.0	(*)	T.	.....	.....
District of Columbia.										
Washington	.....	.....	.....	T.	0.5	2.8	T.	T.	.....	3.3

[1] Includes June, 1919: Savage Basin, 3.0; Trinidad, 2.0; Wagon Wheel Gap (Experiment Station), 0.5; Westcliffe, 2.0.

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Florida.										
Madison					T.					T.
Marianna					T.					T.
Pensacola					T.					T.
Quincy					T.					T.
Georgia.										
Alapaha										0.0
Albany										0.0
Athens										0.0
Atlanta				T.	0.3	0.1				0.4
Augusta				T.		T.				T.
Bainbridge										0.0
Blakely										0.0
Canton					0.4	T.				0.4
Clayton				5.0		5.0				10.0
Covington				T.	T.					T.
Dahlonega				2.0	0.1	1.2				3.3
Eastman										0.0
Gainesville				0.8	(*)					
Gillsville				0.2	T.	T.				0.2
Glennville										0.0
Hartwell						T.				T.
Lisbon										0.0
Lost Mountain						0.5				0.5
Macon						T.				T.
Newnan					T.					T.
Point Peter										0.0
Ramhurst				0.3	2.0	1.5				3.8
Resaca					2.0					2.0
Rome					3.0	T.				3.0
Savannah										0.0
Statesboro										0.0
Tallapoosa					2.0					2.0
Tate				T.	0.3	0.5				0.8
Thomasville					T.					T.
Toccoa				0.3		1.5				1.8
Washington										0.0
Waycross										0.0
Waynesboro										0.0
West Point					T.					T.
Idaho.										
Aberdeen			(*)		(*)	2.0				
American Falls		T.	1.4	1.8	0.5	9.5	0.5			13.7
Ashton			1.0	6.0	8.1	22.0	10.0	T.	T.	47.1
Atlanta	(*)	(*)	(*)	11.5	16.0	54.4	15.0		(*)	
Avery			0.3	12.2	4.2	24.0	8.5			49.2
Big Smoky	(*)	(*)	(*)	(*)	12.2	38.0	(*)	(*)	(*)	
Big Springs		6.0	(*)	(*)	(*)	(*)	(*)	(*)	T.	
Blackfoot		T.	2.0	2.0	T.	8.5	1.0		T.	13.5
Blackfoot Dam		2.5	3.0	4.7	2.5	26.5	8.0		1.0	48.2
Bliss			T.		0.6	17.0	1.0			18.6
Bogus Creek		0.2	3.4	4.0	10.0	35.5	27.0	4.0	T.	84.1
Boise			T.	2.2	0.4	6.3	5.2		T.	14.1
Boise King		T.	(*)	11.0	21.0	73.0	40.0			
Bonanza		T.	9.0	5.0	20.5	77.5	22.5	3.5	T.	138.0
Boulder Mine		0.5	4.7	10.7	29.4	79.1	41.4	8.0	T.	173.0
Brownlee		T.	6.0	(*)	1.7	25.2	3.1	T.	T.	
Buhl			T.	T.		9.0	3.0	T.		12.0
Burke		0.4	9.5	28.0	11.0	51.0	(*)	(*)	(*)	
Burley			0.8			6.5	4.8	0.5		12.6
Caldwell			0.5	0.5	T.	12.5	3.0			16.5
Cambridge			T.	9.5	12.0	16.8	8.6			46.9
Challis		0.5	T.	1.2	T.	17.0	0.8	T.	T.	19.5
Chattin's Ranch				T.	T.	1.5	1.5	(*)	(*)	
Chesterfield	(*)	(*)	(*)	(*)	0.1	38.2	5.1	4.1	(*)	
Coeur d'Alene			T.	3.0		33.7	3.0			39.7
Cottonwood Creek			T.	6.0	9.0	46.9	29.5	T.	T.	91.4

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Idaho—Continued.										
Council	.....	.....	1.0	8.2	9.0	38.0	2.0	1.0	.....	59.2
Cuprum	.....	.....	4.0	16.5	16.0	33.0	15.7	3.0	0.5	88.7
Driggs	.....	2.0	7.1	(*)	(*)	(*)	(*)	(*)	(*)	.....
Elk City	.....	(*)	11.0	19.5	12.0	28.5	26.5	2.5	1.0	.....
Emmett	.....	.....	.....	2.8	1.0	6.0	1.0	.....	.....	10.8
Flowers	.....	0.4	4.0	9.0	13.0	71.0	17.0	2.0	.....	116.4
Fort Hall	.....	.....	3.2	0.3	T.	6.7	1.7	T.	T.	11.9
Garden Valley Ranger Station	.....	.....	.....	7.0	5.0	29.0	21.0	.....	.....	62.0
Geneva	(*)	(*)	(*)	6.0	2.0	19.0	12.0	.....	1.5	.....
Glenns Ferry	.....	.....	.....	T.	0.8	13.5	5.0	.....	.....	19.3
Gooding	.....	.....	T.	T.	.....	15.0	7.3	.....	.....	22.3
Grace	.....	.....	(*)	(*)	0.5	10.5	1.5	T.	T.	.....
Grandview Ranger Station	.....	4.1	(*)	(*)	(*)	(*)	(*)	(*)	0.5	.....
Grays Lake	(*)	(*)	10.5	7.5	10.0	35.0	22.0	4.0	(*)	.....
Grimes Pass	.....	1.3	2.5	9.1	20.7	68.5	24.7	7.1	T.	133.9
Hailey	.....	T.	4.0	5.0	5.4	46.2	12.7	.....	.....	73.3
Hawley Gulch	.....	5.8	16.6	(*)	(*)	(*)	(*)	(*)	(*)	.....
Hazelton	.....	.....	2.0	1.1	T.	13.8	6.0	0.5	.....	23.4
Hereford	.....	5.0	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Hill City	(*)	(*)	(*)	(*)	(*)	(*)	(*)	2.0	.....	.....
Hollister	.....	.....	1.5	1.0	0.5	6.9	3.0	T.	.....	12.9
Idaho City	.....	.....	(*)	7.0	15.0	50.2	24.0	.....	.....	.....
Idaho Falls	.....	T.	3.0	1.5	1.5	17.8	4.0	1.5	T.	29.3
Indian Cove	(*)	.....	.....	(*)	T.	(*)	3.0	.....	.....	.....
Irwin	.....	9.2	2.5	11.0	1.8	11.0	13.5	.....	T.	49.0
Jerome	.....	.....	T.	.....	.....	13.2	10.0	.....	.....	23.2
Kamiah	.....	.....	0.2	2.0	0.5	6.2	0.5	.....	.....	9.4
Kellogg	.....	.....	3.5	3.7	3.0	23.5	14.8	.....	.....	48.5
Kirkham	.....	.....	T.	4.0	16.0	38.5	11.0	.....	.....	69.5
Kooskia	.....	.....	1.0	1.0	1.0	7.0	1.2	.....	.....	11.2
Lapwai	(*)	(*)	(*)	(*)	1.0	6.0	T.	T.	T.	.....
Lemhi	.....	1.0	6.0	1.5	2.5	11.8	(*)	6.5	.....	.....
Lewiston	.....	.....	0.8	0.8	0.8	4.5	T.	.....	.....	6.9
Little Camas	.....	0.7	5.5	5.0	16.4	37.9	6.5	.....	.....	72.0
Loon Creek	.....	1.0	(*)	1.3	4.0	42.0	5.5	.....	T.	.....
McCall	.....	0.2	4.5	16.5	6.3	44.5	16.0	.....	0.5	88.5
Mackay	.....	.....	1.0	1.5	T.	22.8	2.5	1.0	.....	28.8
Malad	.....	.....	2.0	2.0	1.1	23.4	9.5	.....	.....	38.0
Meridian	.....	.....	T.	2.6	0.7	6.8	4.5	.....	.....	14.6
Middle Fork	.....	.....	1.0	T.	.....	6.0	.....	.....	.....	7.0
Montpelier	.....	T.	3.0	5.0	.....	46.5	2.0	.....	.....	56.5
Moscow	.....	.....	4.0	7.5	1.0	50.5	3.5	.....	.....	66.5
Mountainhome	.....	.....	.....	0.5	T.	10.5	1.0	.....	.....	12.0
Murtaugh	.....	.....	3.0	0.5	.....	12.2	10.0	T.	.....	25.7
Musselshell	.....	T.	4.5	10.1	10.5	66.0	31.0	T.	T.	122.1
New Meadows	.....	.....	7.0	12.0	14.4	42.9	15.3	.....	T.	91.6
Nezperce	.....	T.	T.	3.0	.....	20.0	16.0	2.0	.....	41.0
Oakley	.....	.....	5.5	T.	0.5	12.0	0.6	2.0	.....	20.6
Orofino	.....	.....	2.0	.....	(*)	(*)	.....	.....	.....	.....
Oxford Ranger Station	.....	1.5	10.0	26.0	18.0	(*)	(*)	(*)	(*)	.....
Payette	.....	.....	0.2	1.5	0.7	6.4	1.3	T.	T.	10.1
Pine	.....	.....	4.0	3.5	18.0	70.0	16.5	.....	.....	112.0
Pleasant Valley	.....	.....	.....	2.0	0.5	7.5	5.4	.....	.....	15.4
Pocatello	.....	T.	1.3	1.9	0.3	18.0	6.2	5.0	T.	32.7
Porcupine	.....	3.0	10.0	16.0	9.0	35.0	21.0	3.0	.....	97.0
Porthill	.....	.....	1.5	4.5	7.5	27.0	9.0	.....	.....	49.5
Potlatch	.....	.....	3.0	6.0	2.0	33.5	6.0	.....	.....	50.5
Prichard	.....	(*)	3.0	12.0	5.2	40.5	17.0	T.	.....	.....
Priest River Experiment Station	.....	.....	0.7	12.5	16.6	31.9	19.0	.....	.....	80.7
Pyle Creek	.....	T.	T.	7.5	12.0	39.7	17.9	T.	T.	77.1
Rattlesnake	.....	.....	T.	4.9	6.4	32.5	13.1	T.	.....	56.9
Rice	.....	0.5	5.0	11.0	6.5	43.0	17.0	8.0	3.0	94.0
Richfield	.....	.....	0.8	T.	3.0	24.5	3.8	.....	.....	32.1
Rupert	.....	.....	0.8	0.2	.....	5.5	.....	.....	.....	6.5
St. Maries	.....	.....	4.2	5.4	0.5	29.3	T.	.....	.....	39.4
St. Michael's Priory	.....	1.0	1.0	6.7	8.2	25.5	21.7	T.	1.0	65.1
Sandpoint	.....	.....	2.0	10.5	19.0	27.5	16.0	.....	T.	75.0
Sheep Hill	.....	.....	3.0	6.8	26.0	69.0	31.6	1.9	.....	138.3
Shoshone	.....	.....	T.	T.	0.5	17.0	2.5	T.	.....	20.0

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Idaho—Continued.										
Silver City	(*)	(*)	5.0	(*)	(*)	(*)	(*)	(*)	(*)	.....
Soldier Creek	.....	2.0	11.8	1.5	22.2	70.5	23.7	5.0	.....	136.7
Spencer	.....	3.5	5.5	13.0	3.0	25.0	9.0	10.0	T.	69.0
Springfield	.....	.....	4.3	1.5	1.2	16.0	1.2	4.8	T.	29.0
Stanley	.....	.....	6.5	4.5	11.2	23.5	10.8	2.0	T.	58.5
Sublett	.....	0.4	(*)	(*)	(*)	(*)	(*)	(*)	.....	.....
Sugar	.....	(*)	2.0	1.5	1.8	12.0	2.0	1.0	T.	.....
Sunnyside	.....	.....	T.	1.0	1.0	8.2	1.9	.....	.....	12.1
Tripod Mountain	.....	.....	0.5	6.9	7.0	31.6	7.5	1.0	.....	54.5
Twin Falls	.....	.....	0.9	1.1	T.	13.1	9.5	0.5	.....	25.5
Wallace	.....	0.2	3.0	7.0	5.1	50.5	23.2	.....	T.	89.0
Weiser	.....	.....	T.	2.5	1.5	14.5	2.5	.....	.....	21.0
Wendell	.....	.....	.....	T.	0.5	14.8	8.2	.....	.....	23.5
Wrensted Ranch	.....	.....	5.0	6.7	8.0	31.8	13.4	.....	1.5	66.4
Illinois.										
Aledo	.....	.....	T.	10.0	3.0	6.0	T.	T.	.....	19.0
Alexander	.....	.....	T.	4.0	0.7	6.8	3.9	T.	.....	15.4
Anna	.....	.....	T.	T.	0.7	0.8	.....	.....	.....	1.5
Antioch	.....	T.	T.	(*)	5.2	7.0	7.0	T.	.....	.....
Astoria	.....	T.	T.	10.3	2.0	7.9	5.5	T.	.....	25.7
Aurora	.....	T.	T.	5.0	2.5	7.5	8.5	.....	.....	23.5
Beardstown	.....	.....	T.	9.5	0.6	5.0	3.5	.....	.....	18.6
Bloomington	.....	.....	T.	3.5	0.8	8.8	7.8	.....	.....	20.9
Cairo	.....	.....	.....	T.	0.7	1.1	.....	.....	.....	1.8
Camp Point	.....	.....	T.	8.6	0.4	9.9	0.3	(*)	(*)	.....
Carbondale	.....	.....	.....	0.4	0.6	1.2	T.	.....	.....	2.2
Carlinville	.....	.....	T.	(*)	0.9	1.0	0.7	T.	.....	.....
Casey	.....	.....	.....	1.5	0.5	T.	1.1	T.	.....	3.1
Charleston	.....	.....	T.	0.7	0.7	2.2	1.5	.....	.....	5.1
Chester	.....	.....	.....	0.2	0.2	1.1	1.5	.....	.....	3.0
Chicago	.....	T.	0.5	8.8	1.8	6.6	11.0	T.	.....	28.7
Clinton	.....	.....	T.	T.	0.4	(*)	(*)	.....	.....	.....
Danville	.....	.....	T.	1.0	0.4	1.1	4.4	.....	.....	6.9
Decatur	.....	.....	.....	0.9	1.0	4.5	4.0	T.	.....	10.4
Dixon	.....	.....	T.	7.0	2.5	6.8	4.5	.....	.....	20.8
DuQuoin	.....	.....	.....	T.	0.3	T.	3.1	.....	.....	3.4
Dwight	.....	.....	T.	5.5	1.0	8.8	7.5	.....	.....	22.8
Edwardsville	.....	.....	.....	0.5	0.7	3.0	4.0	.....	.....	8.2
Effingham	.....	.....	T.	1.3	0.3	0.2	1.8	.....	.....	3.6
Elgin	.....	.....	T.	7.0	3.5	7.5	8.7	.....	.....	26.7
Equality	.....	.....	.....	0.5	0.2	0.1	.....	.....	.....	0.8
Ewing	.....	.....	T.	T.	T.	0.5	.....	.....	.....	0.5
Fairfield	.....	.....	.....	0.5	0.5	0.5	.....	.....	.....	1.5
Fairview	.....	.....	T.	8.5	1.4	8.8	4.2	T.	.....	22.9
Flora	.....	.....	.....	0.5	0.2	0.3	1.0	.....	.....	2.0
Freeport	.....	T.	T.	8.5	5.0	11.2	4.1	.....	.....	28.8
Galva	.....	.....	0.2	13.6	1.1	10.3	5.4	.....	.....	30.6
Grafton	.....	.....	T.	(*)	1.2	1.5	2.0	T.	.....	.....
Greenville	.....	.....	.....	T.	1.0	(*)	(*)	.....	.....	.....
Griggsville	.....	.....	T.	4.5	1.0	8.2	3.5	T.	.....	17.2
Havana	.....	.....	T.	5.5	0.4	6.7	3.9	.....	.....	16.5
Henry	.....	.....	T.	7.0	2.0	(*)	7.0	.....	.....	.....
Hillsboro	.....	.....	T.	0.2	T.	4.8	3.5	T.	.....	8.5
Hoopeston	.....	.....	T.	0.6	1.2	3.7	3.3	.....	.....	8.8
Joliet	.....	T.	T.	3.6	1.0	8.4	6.6	T.	.....	19.6
Kankakee	.....	T.	T.	2.2	0.6	7.3	4.8	.....	.....	14.9
La Harpe	.....	.....	T.	16.5	2.5	12.7	2.0	T.	.....	33.7
Lincoln	.....	T.	T.	1.7	0.9	6.6	5.5	.....	.....	14.7
Macomb	.....	.....	T.	14.5	T.	8.0	2.7	T.	.....	25.2
McLeansboro	.....	.....	.....	0.6	1.6	0.8	.....	T.	.....	3.0
Marengo	.....	.....	T.	6.3	2.5	8.6	3.4	T.	T.	20.8
Mascoutah	.....	.....	T.	0.2	1.2	3.0	1.5	.....	.....	5.9
Minonk	.....	.....	T.	5.5	0.7	6.0	5.5	.....	.....	17.7
Monmouth	.....	.....	T.	14.7	0.8	(*)	0.5	.....	.....	.....
Morris	.....	.....	T.	6.0	3.5	7.0	7.5	.....	.....	24.0
Morrison	.....	.....	T.	7.0	3.8	5.0	0.4	.....	.....	16.2
Morrisonville	.....	.....	T.	1.1	0.5	4.5	5.2	T.	.....	11.3

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Illinois—Continued.										
Mount Carmel				0.5	0.1	1.5				2.1
Mount Carroll		T.	T.	11.7	6.0	11.0	4.5			33.2
Mount Vernon				0.5	1.1	(*)	T.			
Nashville			T.	0.2	0.6	0.6	1.7			3.1
New Burnside			T.	1.6	1.5	1.2	T.			4.3
Olney				0.6	T.	T.	1.5			2.1
Oregon		T.	T.	6.6	2.8	7.5	1.9			18.8
Ottawa		T.	T.	6.8	2.3	7.0	(*)		(*)	
Palestine				0.6	T.	T.	(*)			
Pana				0.7	0.4	5.5	4.5	T.		11.1
Paris			T.	0.5	0.2	2.0	3.0			5.7
Paw Paw		0.1	0.3	3.3	4.3	7.2	7.8			23.1
Pearl			T.	(*)	(*)	(*)	2.1			
Peoria			T.	7.0	0.3	9.8	4.4			21.5
Peru			T.	(*)	(*)	(*)	(*)	(*)	(*)	
Pontiac		T.	T.	6.0	2.0	11.5	7.0			26.5
Quincy			T.	11.3	0.6	7.6	0.6			20.1
Roberts		T.	T.	1.3	T.	10.1	3.1			14.5
Rockford		T.	0.4	9.2	8.0	8.5	3.5			29.6
Rushville			T.	8.5	0.5	7.5	4.1	T.		20.6
Salem				1.2	0.9	0.4	2.7			5.2
Shawneetown				0.4	T.	T.				0.4
Sidell				0.9	(*)	(*)	(*)	(*)	(*)	
Sparta				T.	1.0	1.2	3.5			5.7
Springfield	T.		T.	2.6	0.9	5.1	4.5	T.		13.1
Streator		T.	T.	6.6	0.4	8.9	8.9			24.8
Sycamore		T.	T.	4.5	2.4	6.6	8.5			22.0
Tiskilwa			T.	6.5	T.	9.6	6.0			22.1
Tuscola			T.	(*)	0.5	3.0	2.0			
Urbana		T.	T.	0.6	0.4	6.2	4.0	T.		11.2
Walnut		T.	0.3	8.0	3.9	6.4	3.9			22.5
Warsaw			T.	7.4	3.2	7.2	T.			17.8
Waterloo			T.	T.	0.3	4.5	1.0	T.		5.8
White Hall			T.	1.6	T.	4.0	3.0	T.		8.6
Windsor				1.0	0.4	3.5	3.5	T.		8.4
Indiana.										
Albion				0.8	0.4	2.5	7.8	T.		11.5
Anderson			T.	1.0	T.	T.	2.5	T.		3.5
Bedford				0.1	T.	0.5				0.6
Berne				0.6	0.3	2.5	3.6			7.0
Bloomington				0.9	1.4	3.0				5.3
Bluffton				0.5	0.3	1.5	4.5	T.		6.8
Butlerville				1.0	1.2	1.9				4.1
Cambridge City			T.	0.2	T.	T.				0.2
Collegeville			T.	0.9	0.9	7.7	6.2			15.7
Columbus				0.5	T.	0.5				1.0
Connersville			T.	T.	T.	T.	T.			T.
Crawfordsville				1.3	T.	T.	3.0			4.3
Dam No. 39				1.0	(*)	T.		T.		
Decker				2.0	T.	1.0				3.0
Delphi				1.0			2.0			3.0
Elliston				0.2	(*)	0.2	T.			
Evansville				0.8	1.0	0.7				2.5
Farmersburg				0.5	T.	0.1	2.0			2.6
Farmland				(*)	T.	T.				
Forest Reserve				(*)		(*)				
Fort Wayne			T.	0.9	0.4	3.5	6.4			11.2
Frankfort		T.	T.	1.5	T.	T.	4.0			5.5
Goshen			T.	0.7	0.2	1.5	6.2	T.		8.6
Greencastle				1.3		(*)				
Greenfield				1.0	T.	(*)	1.0			
Greensburg				(*)		(*)				
Hammond			T.	10.0	(*)	9.0	10.0	(*)	(*)	
Hickory Hill				1.5	T.	3.0	1.0			5.5
Howe			T.	3.5	2.5	4.5	1.1			11.6
Huntingburg			T.	1.5		(*)				
Huntington			T.	1.0	0.5	5.0	4.0			10.5
Indianapolis			T.	1.2	0.1	1.3	2.9	T.		5.5

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Indiana—Continued.										
Jeffersonville				0.3	T.	0.8				1.1
Kokomo		T.		3.5	T.	T.	T.	T.		3.5
Lafayette			T.	1.5	0.5	0.2	3.5			5.7
Laporte			1.5	(*)	(*)	5.0	7.0			
Madison				T.	T.	T.	T.			T.
Marengo			T.	2.0	T.	2.0				4.0
Marion			T.	T.	T.	1.0	4.0	T.		5.0
Mauzy		T.	T.	2.0	1.1	2.7	0.5			6.3
Monticello			T.	0.5	0.5	(*)	5.5	(*)		
Moores Hill			T.	1.2	1.2	2.6	T.	T.		5.0
Mount Vernon				1.0	T.	T.				1.0
Notre Dame			T.	9.5	2.3	6.4	8.6			26.8
Paoli				1.0	1.0	1.0				3.0
Plymouth			T.	2.6	1.0	2.9	6.0			12.5
Princeton				1.0	T.	T.				1.0
Richmond				0.8	0.4	1.1	T.			2.3
Rockville			T.	2.5	0.3	2.0	2.6	T.		7.4
Rome				T.	T.	T.				T.
Royal Center			T.	2.0	0.8	2.9	7.2	T.		12.9
Salamonia				2.1	0.5	2.5	3.6			8.7
Salem				0.2	1.0	4.0	T.	T.		5.2
Scottsburg				T.	T.	T.				T.
Seymour				T.	T.	T.				T.
Shelbyville				2.5	0.5	1.0				4.0
Shoals				1.0	1.0	T.				2.0
South Bend			0.2	6.7	0.3	1.4	5.5			14.1
Terre Haute			T.	0.7	0.7	1.9	1.6			4.9
Valparaiso		T.	0.6	5.0	1.3	6.2	6.2	T.		19.3
Veedersburg			T.	1.5	T.	0.5	2.5			4.5
Vevay				0.5	T.	0.5				1.0
Vincennes				0.5		(*)				
Washington			T.	1.1	0.2	0.5	T.			1.8
Wheatfield			T.	2.4	0.7	1.7	1.7			6.5
Whitestown			T.	2.2	T.	T.	3.0	T.		5.2
Whiting			T.	8.7	1.0	6.5	15.9			32.1
Winamac				0.8	(*)	2.5	3.5			
Winona Lake			T.	0.6	0.6	2.1	6.9	T.		10.2
Worthington				0.5	T.	1.0	T.			1.5
Iowa.										
Afton			4.0	5.0	2.0	12.5	T.			23.5
Albia			5.0	9.5	1.0	8.0	T.			23.5
Algona			5.2	0.2	3.0	12.2	0.5	T.		21.1
Allerton			7.9	7.2	7.0	9.0	0.5	T.		31.6
Allison		T.	5.5	3.0	5.5	12.0		2.5		28.5
Alta		6.0	2.5	3.3	0.8	9.5	1.5	0.5		24.1
Alta (near)		5.0	1.3	T.	3.0	6.5	0.5	0.2		16.5
Alton		4.0	0.5	1.2	2.5	10.2	2.5	T.		20.9
Ames			6.5	4.0	2.5	(*)				
Atlantic		T.	5.6	3.3	1.6	9.3	2.2	0.1		22.1
Audubon			6.7	(*)	(*)	(*)	(*)			
Baxter			7.0	2.7	1.2	6.2	0.4	T.		17.5
Bedford			6.2	6.2	2.0	8.7	1.5	T.		24.6
Belle Plaine		T.	7.7	8.8	2.5	16.6	2.9	0.6		39.1
Belmond	T.	T.	7.5	2.1	5.6	14.9	1.9	2.3		34.3
Bloomfield		T.	4.5	13.0	1.0	15.0	0.2			33.7
Bonaparte			(*)	16.0	5.0	7.0	T.	T.		
Boone			5.5	2.3	3.8	5.5	0.5	0.5		18.1
Britt			4.5	0.7	2.4	11.2	0.6	2.8		22.2
Burlington			T.	10.0	4.0	10.0		T.		24.0
Carroll			5.0	1.4	2.5	7.3	0.5			16.7
Cedar Rapids			3.2	7.8	2.2	8.9	2.1	T.		24.2
Centerville		T.	7.0	11.4	0.5	8.2	T.			27.1
Chariton		T.	5.0	6.0	T.	8.0		T.		19.0
Charles City		T.	7.0	4.9	5.8	15.4	0.2	T.		33.3
Clarinda			7.4	4.5	5.1	7.8	1.2			26.0
Clinton			0.6	9.1	3.5	6.9	2.6			22.7
Columbus Junction			1.0	16.3	0.7	9.0	T.	0.3		27.3

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Iowa—Continued.										
Corning	.....	.....	6.0	8.0	2.0	6.5	2.5	.....	.....	25.0
Corydon	.....	T.	5.0	7.0	2.0	9.5	0.1	T.	.....	23.6
Creston	.....	T.	5.5	2.5	4.0	10.5	1.5	.....	.....	24.0
Cumberland	.....	.....	5.0	2.0	3.0	10.0	1.0	T.	.....	21.0
Davenport	.....	T.	T.	8.8	2.0	9.7	T.	.....	.....	20.5
Decorah	.....	.....	8.0	14.0	1.0	11.2	.....	2.0	.....	36.2
Delaware	.....	.....	4.5	7.0	0.2	14.5	1.0	1.0	.....	28.2
Denison	.....	1.0	4.0	T.	2.0	(*)	2.4	T.	.....	.....
Des Moines	.....	T.	7.2	6.9	2.5	14.4	3.3	0.9	.....	35.2
Dubuque	.....	T.	2.0	10.7	2.3	13.5	3.0	0.1	T.	31.6
Earlham	.....	T.	6.0	4.0	6.0	9.5	2.0	T.	.....	27.5
Elkader	.....	(*)	(*)	(*)	(*)	(*)	(*)	1.5	.....	.....
Estherville	.....	6.0	2.0	T.	3.0	12.5	1.5	.....	.....	25.0
Fairfield	.....	.....	2.5	11.0	0.1	10.0	T.	.....	.....	23.6
Fayette	.....	T.	9.5	2.5	7.0	10.5	4.0	T.	.....	33.5
Forest City	.....	.....	5.0	2.0	5.5	13.0	T.	1.0	.....	26.5
Fort Dodge	.....	.....	3.0	1.0	3.5	7.8	0.2	1.0	.....	16.5
Glenwood	.....	T.	4.0	5.1	3.0	11.7	1.5	.....	.....	25.3
Greenfield	(*)	(*)	1.2	3.0	4.0	9.0	.....	.....	.....	.....
Grinnell	.....	.....	7.5	6.5	3.0	12.5	(*)	(*)	.....	.....
Grundy Center	.....	.....	7.0	3.5	4.0	9.0	.....	2.0	.....	25.5
Guthrie Center	.....	.....	8.4	3.0	0.2	10.1	0.6	T.	.....	22.3
Harlan	.....	.....	3.0	2.0	3.0	10.0	1.0	.....	.....	19.0
Humboldt	.....	.....	7.0	2.5	1.0	10.0	0.3	T.	.....	20.8
Independence	.....	.....	4.5	(*)	4.5	6.5	T.	1.5	.....	.....
Indianola	.....	T.	8.0	7.1	1.3	6.3	1.1	0.1	.....	23.9
Inwood	.....	3.0	0.3	1.4	3.0	8.5	3.4	7.5	.....	27.1
Iowa City	.....	.....	2.5	9.5	2.0	10.0	1.0	T.	.....	25.0
Iowa Falls	.....	.....	8.3	1.4	6.6	11.5	0.3	2.0	.....	30.1
Jefferson	.....	T.	4.0	2.5	3.0	5.5	0.5	T.	.....	15.5
Keokuk	.....	.....	0.6	14.5	0.1	4.7	0.2	T.	.....	20.1
Keosauqua	.....	T.	3.0	16.5	0.2	6.8	T.	.....	.....	26.5
Knoxville	.....	T.	6.5	7.5	2.3	8.5	1.5	T.	.....	26.3
Lacona	.....	.....	7.0	9.0	5.0	13.0	5.0	.....	.....	39.0
Lake Park	.....	5.0	1.0	(*)	(*)	(*)	(*)	(*)	(*)	.....
Lamoni	.....	T.	6.5	6.0	0.7	5.0	0.2	T.	.....	18.4
Lansing	.....	.....	6.8	2.0	12.2	(*)	T.	T.	.....	.....
Le Claire	.....	.....	T.	8.4	2.7	5.0	1.1	.....	.....	17.2
Le Mars	.....	4.2	0.8	0.5	1.6	9.5	0.5	(*)	.....	.....
Lenox	.....	.....	4.5	3.2	1.2	6.8	0.7	T.	.....	16.4
Little Sioux	.....	5.0	6.0	2.0	2.0	4.4	T.	T.	.....	19.4
Logan	.....	T.	5.0	2.0	2.0	3.8	2.0	.....	.....	14.8
Maquoketa	.....	.....	2.0	6.0	0.1	(*)	T.	.....	.....	.....
Marshalltown	.....	.....	5.5	4.0	3.9	7.9	T.	.....	.....	21.3
Mason City	.....	.....	4.0	1.1	3.0	6.1	.....	T.	.....	14.2
Monroe	.....	T.	7.2	7.6	1.1	11.9	.....	.....	.....	27.8
Mount Ayr	.....	.....	6.7	6.0	2.5	8.5	1.0	T.	.....	24.7
Mount Pleasant	.....	.....	1.0	16.0	T.	5.4	T.	.....	.....	22.4
Murray	.....	T.	7.5	5.5	2.2	10.4	0.7	T.	.....	26.3
Muscatine	.....	.....	1.0	9.1	4.0	7.5	1.0	.....	.....	22.6
New Hampton	.....	.....	6.0	2.5	7.5	13.5	.....	.....	.....	29.5
Nora Springs	.....	.....	3.5	0.9	4.5	6.2	0.2	1.2	.....	16.5
Northboro	.....	1.0	6.0	(*)	(*)	1.0	.....	.....	.....	.....
Northwood	.....	.....	8.0	2.0	3.0	14.0	4.0	5.0	.....	36.0
Oakland	(*)	(*)	(*)	(*)	5.6	6.5	T.	.....	.....	.....
Olin	.....	.....	4.0	6.0	T.	7.0	2.0	.....	.....	19.0
Onawa	.....	6.0	3.0	T.	2.5	7.5	4.0	.....	.....	23.0
Oskaloosa	.....	T.	5.5	15.2	2.3	16.4	2.3	T.	.....	41.7
Ottumwa	.....	.....	1.5	14.0	(*)	9.5	1.0	T.	.....	.....
Pella	.....	T.	5.8	7.0	2.0	12.0	2.0	T.	T.	28.8
Perry	.....	.....	6.0	2.6	1.3	6.0	.....	.....	.....	15.9
Pocahontas	.....	2.5	4.5	0.7	2.8	9.2	1.5	0.6	.....	21.8
Postville	.....	T.	8.0	3.1	6.5	11.1	T.	1.2	.....	29.9
Rock Rapids	.....	2.8	0.2	2.1	2.8	9.5	5.5	7.4	.....	30.3
Rockwell City	.....	.....	7.0	1.8	2.0	13.5	0.2	T.	.....	24.5
Sac City	.....	(*)	6.0	1.2	2.5	13.5	1.0	.....	.....	.....
St. Charles	.....	.....	7.0	5.0	1.5	12.5	(*)	(*)	(*)	.....
Sanborn	.....	3.0	2.1	0.5	1.7	12.0	3.0	0.5	.....	22.8
Shenandoah	.....	.....	4.5	4.0	1.0	4.5	0.2	T.	.....	14.2

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Iowa—Continued.										
Sibley	.....	3.0	0.4	1.7	6.5	18.0	2.5	5.0	.....	37.1
Sigourney	.....	.....	4.2	15.2	2.1	13.5	0.7	T.	.....	35.7
Sioux Center	.....	6.0	0.5	2.0	4.0	11.5	5.0	9.0	.....	38.0
Sioux City	.....	5.5	3.5	1.2	4.8	13.2	2.7	5.9	.....	36.8
Spencer	(*)	(*)	(*)	(*)	(*)	14.8	(*)	T.	.....	.....
Stockport	.....	.....	2.0	13.0	T.	7.5	.....	.....	.....	22.5
Storm Lake	.....	5.7	2.0	0.5	1.5	7.0	T.	1.3	.....	18.0
Thurman	.....	.....	6.7	5.0	2.5	7.0	T.	T.	.....	21.2
Tipton	.....	.....	2.0	9.0	T.	5.3	2.0	.....	.....	18.3
Toledo	.....	.....	6.0	5.0	4.0	9.5	1.0	.....	.....	25.5
Washington	.....	.....	2.2	8.5	1.0	12.0	0.7	.....	.....	24.4
Washta	.....	6.0	2.0	2.0	0.5	9.0	1.0	T.	.....	20.5
Waterloo	.....	.....	8.5	2.2	6.7	10.9	T.	0.5	.....	28.8
Waukee	.....	T.	5.5	4.5	0.8	9.6	0.3	0.5	.....	21.2
Waverly	.....	T.	6.5	2.5	4.8	9.1	.....	T.	.....	22.9
Webster City	.....	.....	6.0	1.0	6.0	3.0	0.5	1.0	.....	17.5
West Bend	.....	2.0	5.0	T.	3.0	11.5	1.5	T.	.....	23.0
Whitten	.....	.....	7.0	(*)	6.0	5.5	.....	T.	.....	.....
Williamsburg	.....	.....	4.0	8.7	0.2	11.1	1.4	0.5	.....	25.9
Winterset	.....	.....	6.0	9.0	T.	7.5	T.	T.	.....	22.5
Kansas.										
Burlington	.....	.....	2.0	10.5	.....	6.0	1.0	.....	.....	19.5
Colby	.....	T.	2.0	26.0	T.	13.5	1.5	5.0	.....	48.0
Columbus	.....	.....	1.6	12.5	0.5	8.3	T.	T.	.....	22.9
Concordia	.....	2.2	3.4	6.4	0.2	8.9	2.8	0.6	....	24.5
Dalton	.....	.....	2.7	13.0	T.	7.5	1.0	T.	.....	24.2
Dodge City	.....	3.5	3.4	20.7	0.6	10.3	2.6	7.6	.....	48.7
Ellinwood	.....	T.	4.7	14.7	T.	23.1	2.7	1.0	.....	46.2
Garden City	.....	T.	2.0	22.5	0.5	11.0	2.5	10.0	.....	48.5
Grenola	.....	.....	1.5	9.0	T.	2.0	T.	.....	.....	12.5
Horton	.....	.....	5.0	4.0	1.0	7.5	T.	T.	.....	17.5
Hutchinson	.....	T.	4.8	16.0	T.	16.0	3.0	.....	.....	39.8
Independence	.....	.....	1.8	9.5	0.5	6.0	.....	T.	.....	17.8
Iola	.....	.....	0.5	9.6	0.2	6.5	0.2	T.	.....	17.0
Lakin	.....	.....	3.0	23.0	1.0	8.5	1.5	9.0	.....	46.0
Liberal	.....	T.	3.0	20.0	T.	12.0	.....	9.0	.....	44.0
McPherson	.....	.....	4.5	17.0	3.0	16.5	5.2	.....	.....	46.2
Manhattan	.....	.....	3.2	13.0	0.5	4.0	.....	.....	.....	20.7
Marion	.....	0.5	2.0	17.0	0.5	8.5	3.5	T.	.....	32.0
Medicine Lodge	.....	.....	0.8	11.0	T.	8.0	T.	T.	.....	19.8
Minneapolis	.....	1.0	3.0	8.0	T.	5.8	2.2	2.0	.....	22.0
Oketo	.....	T.	4.2	5.0	0.5	4.8	0.2	0.2	.....	14.9
Phillipsburg	.....	0.5	T.	10.1	T.	10.7	1.5	16.0	.....	38.8
Richfield	.....	T.	2.5	24.0	T.	4.0	1.0	11.0	.....	42.5
St. Francis	.....	4.5	2.0	16.5	T.	7.0	1.5	3.5	.....	35.0
Sedan	.....	.....	0.8	12.0	.....	1.8	.....	.....	.....	14.6
Topeka	.....	T.	4.6	11.0	1.0	9.8	0.6	T.	.....	27.0
Tribune	.....	T.	1.5	17.0	.....	2.0	1.0	6.0	.....	27.5
Wakeeney	.....	T.	T.	13.0	.....	16.0	2.0	15.0	.....	46.0
Wichita	.....	.....	2.1	16.3	T.	0.2	3.2	.....	.....	21.8
Kentucky.										
Alpha	.....	.....	.....	0.4	5.0	1.2	T.	.....	.....	6.6
Anchorage	.....	.....	.....	0.2	0.8	1.0	T.	.....	.....	2.0
Bardstown	.....	.....	.....	1.2	(*)	T.	T.	.....	.....	.....
Beattyville	.....	.....	.....	1.7	3.0	T.	T.	.....	.....	4.7
Beaver Dam	.....	.....	.....	0.4	(*)	1.2	.....	.....	.....	.....
Blandville	.....	.....	.....	0.5	0.3	1.7	.....	.....	.....	2.5
Bowling Green	.....	.....	.....	T.	T.	T.	.....	.....	.....	T.
Brownsville	.....	.....	.....	0.2	0.3	0.7	T.	.....	.....	1.2
Burnside	.....	.....	.....	1.2	2.0	1.5	T.	.....	.....	4.7
Calhoun	.....	.....	.....	0.5	0.3	0.5	T.	.....	.....	1.3
Catlettsburg	.....	.....	.....	0.5	3.0	0.2	0.5	.....	.....	4.2
Cloverport	.....	.....	.....	0.5	0.1	0.2	T.	.....	.....	0.8
Cynthiana	.....	.....	T.	T.	(*)	T.	T.	.....	.....	.....
Earlington	.....	.....	.....	(*)	T.	1.0	.....	.....	.....	.....
Edmonton	.....	.....	.....	T.	(*)	(*)	.....	.....	.....	.....

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Kentucky—Continued.										
Eubank				2.0	2.0	2.0	T.			6.0
Falmouth				1.0	(*)	T.	T.			
Farmers				1.0	(*)	0.5	T.			
Frankfort				0.2	T.	T.	T.			0.2
Franklin				0.2	T.	1.7	T.			1.9
Greensburg				0.5	T.	1.0	T.			1.5
Greenville				(*)	(*)	(*)	T.			
Harlan				1.0	(*)	3.0	T.			
Henderson				0.2	T.	T.				0.2
High Bridge				1.0	(*)	1.0	T.			
Hopkinsville				T.	0.2	0.5	T.			0.7
Irvington				1.0	0.2	T.	T.	T.		1.2
Jackson				T.	5.0	T.	T.			5.0
Junction City				4.3	1.9	1.5	0.8			8.5
Leitchfield				0.5	1.0	1.5				3.0
Lexington				0.6	1.7	1.3	T.			3.6
London				T.	4.0	1.2	T.			5.2
Louisville (No. 1)				0.1	1.0	0.9	T.			2.0
Louisville (No. 2)				1.0	1.0	1.3	T.			3.3
Louisa			T.	T.	4.5	T.	T.			4.5
Marion				T.	T.	2.0				2.0
Mayfield				(*)	T.	1.0	T.			
Maysville				T.	(*)	0.7	T.			
Mount Sterling				0.8	2.0	2.7	0.2			5.7
Owensboro				0.2	T.	T.	T.	T.		0.2
Paducah (near)				T.	T.	1.1				1.1
Pikeville				T.	6.0	T.	(*)			
Princeton				T.	T.	1.0				1.0
Richmond				2.0	1.1	1.0	T.			4.1
St. John				1.2	2.0	0.9				4.1
Scott				1.2	0.9	2.0	T.	T.		4.1
Shelbyville				0.5	T.	0.8	T.			1.3
Taylorsville				1.0	0.6	0.7	T.			2.3
Weeksbury				(*)	9.0	2.0	(*)			
Williamsburg				1.5	7.0	3.0	T.			11.5
Williamstown				1.0	1.5	2.3	T.			4.8
Woodbury				T.	T.	T.	T.			T.
Louisiana.										
Alexandria					T.					T.
Calhoun					T.					T.
De Ridder					0.2					0.2
Dodson					2.0					2.0
Franklinton					T.					T.
Grand Coteau					T.					T.
Jennings					0.1					0.1
Kelly (near)					3.0					3.0
Minden					2.2					2.2
Newellton					9.0	T.				9.0
Plain Dealing					T.					T.
Rayne					T.					T.
St. Francisville					1.0					1.0
Shreveport					0.1					0.1
Sugartown (near)					0.4					0.4
Maine.										
Bar Harbor				30.5	10.0	16.0	1.0			57.5
Cornish			0.5	17.5	10.0	18.5	7.0	2.0		55.5
Eastport			0.1	12.4	12.2	11.8	1.6	5.2		43.3
Farmington		2.0	0.5	20.0	13.0	14.0	9.0	2.0		60.5
Gardiner				20.5	15.0	15.5	8.0	2.0		61.0
Greenville		2.5	5.2	26.9	15.8	22.8	18.0	10.7		101.9
Houlton			6.0	17.0	20.0	25.0	13.0	5.0		86.0
Lewiston		T.	T.	18.1	10.4	18.0	2.8	1.2		50.5
Madison		2.0		22.8	8.0	16.8	(*)	1.0		
Millinocket			5.0	28.8	15.5	29.0	7.5	4.5		90.3
North Bridgton		T.	T.	12.5	15.0	20.0	4.0	T.		51.5
Orono				28.3	18.0	11.0	1.0	3.0		56.3

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Maine—Continued.										
Patten		0.5	5.0	16.0	10.0	25.0	(*)	3.0		
Portland				14.4	8.8	12.2	5.0	1.3		41.7
Presque Isle		(*)	(*)	(*)	22.5	30.1	6.0	(*)		
Rumford		0.8	0.5	25.5	7.9	13.9	7.2	1.8		57.6
Van Buren		0.5	16.2	26.5	25.2	22.8	13.7	6.5	T.	109.4
Winslow				22.5	11.8	11.5	T.	T.		45.8
Maryland.										
Annapolis				T.	T.	(*)	T.	T.		
Bachmans Valley	(*)	(*)	(*)	(*)	(*)	(*)	(*)	T.		
Baltimore (U. S. W. B.)				T.	1.0	3.0	T.	T.		4.0
Baltimore (Lake Montebello)	(*)	(*)	(*)	(*)	(*)	(*)	T.	T.		
Cambridge				T.	T.	T.	T.	T.		T.
Cheltenham				T.	T.	4.5	T.	T.		4.5
Chewsville			T.	0.2	8.4	5.5	1.0	T.		15.1
Coleman				T.	T.	(*)	T.	T.		
College Park				T.	0.8	3.0	T.	T.		3.8
Cumberland			T.	T.	3.5	(*)	(*)	T.		
Darlington				T.	1.5	3.5	1.0	T.		6.0
Denton				T.	1.0	3.0	T.	T.		4.0
Easton				T.	0.0	0.5	T.	T.		0.5
Eklo				0.1	2.3	4.5	0.5	T.		7.4
Emmitsburg			T.	1.0	5.5	5.5	2.0	T.		14.0
Fairview				0.2	10.5	3.2	1.8	T.		15.7
Fallston				T.	1.5	(*)	0.5	T.		
Ferry Landing				T.	T.	0.6	T.	T.		0.6
Frederick			T.	T.	5.0	6.9	T.	T.		11.9
Frostburg			T.	4.5	6.5	(*)	5.0	T.		
Grantsville		(*)	(*)	(*)	6.5	6.5	2.2	0.4		
Keedysville				T.	8.0	3.1	1.0	T.		12.1
Laurel				T.	1.0	4.0	T.	T.		5.0
Oakland			2.2	5.2	7.1	8.9	5.4	1.1		29.9
Princess Anne				T.	1.0		T.			1.0
Public Landing					0.5		T.			0.5
Salisbury				T.	1.5		T.	T.		1.5
Sledds Point			T.	T.	1.0	(*)	T.	T.		
Solomons				T.	T.	T.	0.5	T.		0.5
State Sanatorium				(*)	6.0	6.0	(*)	T.		
Sudlersville				T.	1.0	3.0	T.	T.		4.0
Takoma				T.	1.0	3.0	T.	T.		4.0
Towson				T.	1.5	(*)	(*)	(*)	(*)	
Union Bridge				0.2	(*)	(*)	(*)	(*)	(*)	
Western Port				0.6	4.5	3.5	0.2	0.3		9.1
Woodstock				T.	2.0	3.5	T.	T.		5.5
Yarrow (Rockville)				T.	2.0	(*)	T.	T.		
Massachusetts.										
Amherst			T.	7.2	6.2	11.5	2.0	T.		26.9
Blue Hill			0.1	10.1	3.7	8.3	2.9	T.		25.1
Boston			T.	8.4	4.1	6.2	2.4	T.		21.1
Chestnut Hill			T.	7.5	2.2	6.2	1.8			17.7
Clinton			T.	8.8	2.8	15.1	1.7	0.8		29.2
Concord			T.	9.1	3.6	14.1	2.7	T.		29.5
Fall River				4.9	3.5	8.5	3.2			20.1
Fitchburg			T.	9.5	7.5	13.0	2.5	T.		32.5
Framingham			0.5	8.4	3.1	9.1	4.0	0.5		25.6
Lawrence				14.2	3.8	6.2	4.2			28.4
Nantucket				0.6	3.2	7.4	4.9	T.		16.1
New Bedford	(*)	(*)	(*)	(*)	(*)	7.0	T.	(*)	(*)	
Plymouth	(*)	(*)	(*)	5.0	2.8	7.5	(*)	(*)	(*)	
Provincetown				2.0	T.	1.0	2.0	T.		5.0
Rockport				11.5	2.0	3.0	1.0			17.5
Rutland			0.2	9.3	4.9	14.2	1.8	0.2		30.6
Springfield				8.4	0.8	11.5	1.8			22.5
Turners Falls				10.2	0.5	12.2	(*)	(*)		
Westboro			T.	6.2	1.0	8.2	4.5	2.0		21.9
Williamstown			1.1	10.3	17.0	8.6	11.3	2.0		50.3
Worcester			T.	11.4	5.0	11.4	5.2	T.		33.0

Monthly and seasonal snowfall, 1918–19.—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Michigan.										
Adrian	.....	.....	T.	0.2	0.5	2.0	8.4	.....	.....	11.1
Albion	.....	.....	T.	0.4	T.	0.8	6.0	3.5	.....	10.7
Allegan (No. 1)	.....	.....	(*)	3.3	2.5	2.0	13.5	.....	.....	.....
Allegan (No. 2)	.....	.....	(*)	(*)	(*)	(*)	15.0	T.	.....	.....
Alma	.....	.....	1.0	15.0	7.0	3.5	21.0	T.	.....	47.5
Alpena	T.	.....	0.8	22.6	5.7	12.3	7.3	T.	T.	48.7
Alpena (near)	T.	.....	2.0	23.0	6.5	13.0	7.5	T.	.....	52.0
Ann Arbor	.....	.....	0.1	4.5	3.2	2.5	9.8	.....	.....	20.1
Ann Arbor	.....	.....	T.	0.5	(*)	0.5	9.5	.....	.....	.....
Arbela	.....	.....	(*)	7.5	1.5	4.0	18.0	T.	.....	.....
Armada	.....	.....	T.	4.5	1.5	3.4	11.7	2.0	.....	23.1
Baraga	.....	T.	13.6	7.0	5.0	(*)	(*)	(*)	.....	.....
Battle Creek (No. 1)	.....	.....	T.	5.0	T.	0.5	12.0	.....	.....	17.5
Battle Creek (No. 2)	.....	(*)	(*)	(*)	(*)	0.4	(*)	.....	.....	.....
Bay City	.....	.....	.....	9.1	0.2	(*)	(*)	.....	.....	.....
Benzonia	.....	T.	7.5	17.3	27.8	11.0	7.9	4.5	.....	76.0
Bergland	T.	2.8	(*)	13.2	21.2	28.0	(*)	3.0	T.	.....
Bloomingdale	.....	.....	1.0	7.0	T.	4.5	9.0	T.	T.	21.5
Cadillac	.....	T.	3.0	10.5	11.0	11.0	8.7	6.0	T.	50.2
Calumet	T.	2.0	11.0	38.0	18.0	29.0	5.0	1.0	2.0	106.0
Cassopolis	.....	.....	.....	4.2	2.5	1.2	6.0	.....	.....	13.9
Ceresco	.....	.....	T.	4.0	0.4	T.	8.0	.....	.....	12.4
Charlevoix	.....	.....	2.0	10.0	(*)	(*)	(*)	T.	.....	.....
Charlotte	.....	.....	.....	3.5	1.0	1.0	17.0	.....	.....	22.5
Chatham	.....	2.3	(*)	(*)	9.7	20.0	21.0	(*)	T.	.....
Cheboygan	(*)	(*)	(*)	(*)	(*)	9.5	8.5	0.5	.....	.....
Coldwater	.....	.....	T.	6.0	1.0	3.5	13.0	.....	.....	23.5
Cooke Site	.....	.....	2.0	16.0	7.0	7.0	6.0	.....	.....	38.0
Croton	.....	.....	1.0	5.0	12.0	1.5	15.0	3.0	.....	37.5
Deer Park (near)	.....	.....	7.5	18.0	15.0	27.0	(*)	1.0	.....	.....
Detroit	.....	T.	0.4	2.0	1.7	3.1	8.0	T.	.....	15.2
Eagle Harbor	.....	T.	(*)	17.0	11.0	19.5	(*)	(*)	.....	.....
East Tawas	.....	.....	0.9	17.8	(*)	4.0	7.5	(*)	.....	.....
Eloise	.....	.....	T.	1.0	1.0	1.0	4.5	T.	.....	7.5
Escanaba	T.	T.	0.7	9.5	7.9	15.5	5.3	T.	.....	38.9
Ewen	T.	2.5	20.0	21.0	20.0	27.0	7.0	2.0	T.	99.5
Fife Lake (near)	(*)	(*)	(*)	(*)	(*)	9.8	7.3	5.0	.....	.....
Five Channels	.....	.....	3.0	17.5	7.0	8.5	6.0	(*)	1.0	.....
Flint	.....	.....	(*)	12.0	(*)	(*)	13.4	0.3	.....	.....
Frankfort	.....	.....	2.2	9.1	14.9	4.3	5.0	0.5	.....	36.0
Ganges	.....	T.	0.2	5.0	4.0	3.5	6.5	T.	.....	19.2
Gaylord	.....	T.	3.8	18.0	7.0	18.5	5.5	2.0	T.	54.8
Grand Haven	.....	T.	0.3	9.0	16.4	11.5	11.6	0.6	.....	49.4
Grand Marais	.....	.....	1.0	25.0	19.0	27.0	4.0	.....	.....	76.0
Grand Rapids (No. 1)	.....	.....	0.3	7.6	4.6	6.2	18.2	5.0	.....	41.9
Grand Rapids (No. 2)	.....	.....	(*)	(*)	1.0	3.7	(*)	5.0	.....	.....
Grayling	.....	.....	1.6	11.8	5.0	20.2	4.0	3.0	T.	45.6
Greenville	.....	.....	T.	(*)	T.	3.0	(*)	(*)	(*)	.....
Hamburg	.....	.....	.....	1.5	(*)	3.0	9.5	.....	.....	.....
Harbor Beach	.....	.....	T.	9.0	(*)	(*)	3.5	T.	.....	.....
Harrison	.....	(*)	(*)	10.4	3.5	5.0	(*)	1.5	(*)	.....
Harrisville	.....	.....	T.	20.0	3.0	11.0	15.0	T.	T.	49.0
Hart	.....	.....	T.	6.0	20.0	4.0	4.0	0.3	.....	34.3
Hastings	.....	(*)	.....	5.0	2.0	0.2	11.8	T.	.....	.....
Highland	.....	(*)	(*)	5.0	(*)	3.5	9.0	3.0	.....	.....
Hillsdale	.....	.....	0.3	3.5	0.6	2.4	7.0	.....	.....	13.8
Holland	.....	.....	T.	6.5	7.5	5.7	18.0	T.	.....	37.7
Houghton	T.	2.4	11.2	20.7	11.3	19.7	7.0	0.9	5.2	78.4
Houghton Lake (near)	.....	T.	1.0	16.5	4.0	7.7	11.5	2.0	0.5	43.2
Howard City	.....	.....	0.7	7.3	(*)	5.2	10.9	5.9	.....	.....
Howell	.....	.....	.....	2.9	T.	0.8	5.7	0.6	.....	10.0
Humboldt	T.	1.0	14.8	10.0	7.0	(*)	(*)	4.5	2.0	.....
Iron Mountain	.....	T.	9.0	7.0	7.0	12.4	3.5	2.0	.....	40.9
Iron River	.....	T.	11.0	8.5	10.0	15.0	1.5	T.	T.	46.0
Ironwood	T.	3.0	12.0	10.0	17.0	18.0	10.0	4.0	T.	74.0
Ishpeming	2.2	0.3	20.6	18.1	18.7	13.0	4.9	T.	1.9	79.7
Ivan	.....	T.	5.0	13.3	10.8	11.2	10.1	4.0	T.	54.4
Jackson (No. 1)	.....	.....	T.	5.3	0.3	3.1	14.3	.....	.....	23.0
Jackson (No. 2)	.....	.....	T.	7.5	T.	(*)	(*)	(*)	.....	.....

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr	May.	
Michigan—Continued.										
Jeddo	.....	.....	T.	4.2	2.2	4.4	8.9	5.5	.....	25.2
Johannesburg	T.	0.1	2.0	10.8	6.8	16.6	8.0	1.5	T.	45.8
Kalamazoo (No. 1)	.....	.....	1.0	6.0	3.0	5.5	8.5	.....	.....	24.0
Kalamazoo (No. 2)	.....	T.	T.	3.0	(*)	T.	6.0	.....	.....	.....
Lansing	.....	.....	0.1	10.0	1.3	2.1	22.2	3.2	.....	38.9
Lapeer	.....	.....	.....	3.5	2.0	2.0	(*)	.....	.....	.....
Loud	.....	.....	2.5	20.3	5.0	11.8	5.5	T.	(*)	.....
Lowell	.....	.....	0.5	4.5	3.5	3.9	14.5	1.0	.....	27.9
Ludington	.....	T.	1.8	7.1	15.5	8.4	3.8	4.9	.....	41.5
Luther	.....	.....	0.4	7.8	11.0	9.6	7.9	4.0	.....	40.7
Mackinac Island	.....	.....	1.5	15.0	3.0	6.3	(*)	4.0	.....	.....
Mackinaw	.....	.....	1.0	(*)	9.5	(*)	3.0	(*)	.....	.....
Mancelona	.....	1.0	5.0	(*)	(*)	23.0	8.0	3.0	.....	.....
Manistee	.....	.....	(*)	(*)	11.0	(*)	(*)	(*)	.....	.....
Maple Ridge	.....	.....	6.0	(*)	5.0	10.0	5.0	.....	.....	.....
Marquette	0.1	0.3	22.6	29.5	25.3	14.2	14.1	0.2	3.2	109.5
Menominee	.....	.....	.....	4.0	9.5	11.0	1.5	T.	.....	26.0
Midland	.....	.....	.....	(*)	(*)	7.0	14.0	(*)	.....	.....
Mio	.....	.....	3.0	12.0	5.5	16.0	10.0	(*)	T.	.....
Monroe	.....	.....	T.	0.8	1.5	2.5	8.5	.....	.....	13.3
Mount Clemens	.....	.....	.....	6.0	0.5	7.0	5.0	1.0	.....	19.5
Mount Pleasant	.....	.....	0.5	8.5	3.0	5.0	14.5	(*)	.....	.....
Munising	.....	T.	15.1	22.8	16.0	34.0	4.0	0.2	0.5	92.6
Muskegon	.....	.....	T.	4.5	18.0	3.0	11.0	.....	.....	36.5
Newberry	T.	T.	8.9	16.1	13.1	8.6	4.7	2.7	2.0	56.1
Norways	.....	.....	8.2	14.0	21.0	(*)	(*)	(*)	(*)	.....
Old Mission	.....	T.	1.5	5.4	11.2	7.7	5.4	4.0	.....	35.2
Olivet	.....	.....	.....	3.0	(*)	(*)	(*)	(*)	(*)	.....
Omer	.....	.....	1.0	(*)	1.0	5.5	12.0	(*)	(*)	.....
Onaway (near)	T.	T.	3.2	17.5	13.0	21.5	11.0	1.0	.....	67.2
Otsego	.....	.....	T.	5.6	5.0	1.3	15.5	.....	.....	27.4
Owosso	.....	(*)	.....	6.5	(*)	(*)	8.0	.....	.....	.....
Petoskey	.....	.....	3.0	21.0	16.5	15.0	7.5	3.0	T.	66.0
Plainwell	.....	.....	T.	(*)	1.2	2.3	15.0	T.	.....	.....
Plymouth	.....	(*)	.....	T.	(*)	(*)	7.0	.....	.....	.....
Pontiac	.....	T.	T.	6.0	2.0	4.0	8.0	3.0	.....	23.0
Port Austin	.....	.....	T.	12.0	2.0	2.0	19.0	.....	.....	35.0
Port Huron	.....	.....	0.1	1.6	1.6	3.6	8.9	T.	.....	15.8
Reed City	T.	T.	0.1	11.9	4.9	1.9	10.1	2.1	T.	31.0
Rogers	.....	.....	T.	8.5	6.0	3.0	14.6	T.	.....	32.1
Roscommon	T.	T.	1.7	13.9	7.2	7.7	6.2	8.3	0.4	45.4
Saginaw (No. 1)	.....	.....	0.3	7.1	1.0	3.2	11.6	0.4	.....	23.6
Saginaw (No. 2)	.....	.....	0.5	8.0	1.5	1.5	10.0	(*)	.....	.....
St. James	.....	.....	(*)	8.0	9.0	8.0	(*)	2.0	T.	.....
St. Joseph	.....	.....	1.0	2.0	19.0	2.5	11.0	.....	.....	35.5
Sandusky	(*)	(*)	(*)	8.0	2.5	(*)	12.0	(*)	.....	.....
Saranac	.....	.....	.....	3.0	(*)	(*)	(*)	.....	.....	.....
Sault Ste. Marie	0.2	.....	3.9	12.1	12.4	13.0	2.5	0.8	0.2	45.1
Seney	.....	T.	4.0	(*)	14.0	15.0	4.0	(*)	(*)	.....
Sidnaw	T.	0.8	14.9	18.0	21.5	24.8	(*)	T.	.....	.....
South Haven	.....	.....	T.	(*)	(*)	(*)	(*)	T.	.....	.....
Stronach	.....	.....	0.5	8.7	12.5	5.0	1.5	4.5	.....	32.7
Traverse City	.....	.....	7.0	13.5	10.5	(*)	8.5	0.2	.....	.....
Trowbridge	.....	T.	.....	5.0	4.2	4.0	14.9	T.	.....	28.1
Victoria	.....	3.0	12.8	16.5	19.0	23.5	6.0	T.	(*)	.....
Wasepi	.....	.....	T.	4.0	T.	3.0	9.0	.....	.....	16.0
Webber Dam	.....	.....	T.	3.2	0.8	2.4	14.0	3.0	.....	23.4
Wellston	.....	.....	1.0	6.0	(*)	8.0	1.5	5.0	.....	.....
West Branch (near)	.....	.....	2.0	12.0	5.0	10.0	5.5	0.5	1.0	36.0
Whitefish Point	.....	T.	7.2	18.0	17.0	20.0	2.0	T.	T.	64.2
Ypsilanti	.....	.....	.....	1.7	0.5	2.3	10.5	.....	.....	15.0
Minnesota.										
Ada	.....	.....	T.	4.5	4.5	8.5	(*)	T.	.....	.....
Albert Lea	.....	T.	5.0	1.0	5.0	5.0	T.	3.0	.....	19.0
Alexandria	.....	.....	.....	6.2	1.0	11.0	(*)	1.0	.....	.....
Angus	.....	.....	1.3	7.4	2.1	3.5	.9	3.3	.....	18.5
Argyle	.....	.....	2.5	13.6	3.2	2.0	1.7	2.7	.....	25.7

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Minnesota—Continued.										
Artichoke Lake	.....	T.	0.1	4.7	1.2	5.3	0.7	2.0	.....	13.3
Baudette	T.	4.0	3.5	13.9	1.9	6.1	4.7	4.2	.....	38.3
Beardsley	.....	.....	T.	14.0	3.0	10.0	9.0	(*)	.....	.....
Bemidji	.....	T.	.....	8.0	2.0	9.0	.....	3.0	.....	22.0
Bird Island	.....	.1	T.	4.2	3.1	5.0	1.7	2.0	.....	16.1
Brainerd	.....	T.	T.	3.0	T.	5.5	T.	T.	T.	8.5
Caledonia	.....	(*)	6.0	3.5	9.0	17.5	(*)	8.0	.....	.....
Campbell	.....	.....	T.	9.7	2.7	9.5	1.0	1.0	.....	23.9
Canby	(*)	1.5	1.0	15.5	3.0	15.0	5.0	13.5	.....	.....
Cass Lake	.....	T.	.5	15.0	3.0	9.7	3.0	8.0	.....	39.2
Chatfield	.....	T.	4.0	3.0	6.0	7.5	.....	3.0	.....	23.5
Cloquet	.....	1.0	1.0	14.2	8.2	10.2	2.0	(*)	.....	.....
Collegeville	.....	.5	.....	6.7	1.4	13.3	3.0	.2	.....	25.1
Crookston (No. 1)	.....	.....	T.	(*)	4.8	6.8	.7	4.0	.....	.....
Crookston (No. 2)	.....	.....	T.	2.5	6.5	(*)	(*)	(*)	.....	.....
Crystal Bay	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Detroit	.....	2.0	(*)	16.0	1.5	9.0	1.0	T.	T.	.....
Duluth	.....	.1	.4	18.6	5.9	10.6	1.6	.1	1.8	39.1
Duluth (near)	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Fairmont	.....	4.5	1.8	5.0	2.5	9.5	.5	6.5	.....	30.3
Faribault	.....	.....	4.0	1.5	9.0	14.0	.....	.....	.....	28.5
Farmington	.....	2.0	2.0	4.5	4.0	10.5	4.5	6.0	.....	33.5
Fergus Falls	.....	.5	.5	9.4	4.8	12.0	4.4	1.8	.....	33.4
Fort Ripley	.....	.5	T.	9.5	5.0	9.0	7.0	.....	.....	31.0
Fosston	.....	T.	T.	7.1	3.0	3.5	1.0	4.7	.....	19.3
Glencoe	.....	4.0	T.	5.8	3.8	13.0	T.	.....	.....	26.6
Grand Marais	.....	T.	.5	23.0	9.0	16.0	6.0	3.6	.....	58.1
Grand Meadow	.....	T.	7.0	3.1	7.5	7.0	1.0	3.5	.....	29.1
Grand Rapids	.....	2.0	2.0	20.6	4.0	14.0	3.6	2.0	.....	48.2
Grandy	.....	1.0	2.0	8.0	5.5	(*)	5.0	1.0	.....	.....
Gull Lake Dam	.....	.6	1.4	5.8	2.1	9.0	6.2	1.9	.....	27.0
Hallock	.....	T.	.5	8.0	1.5	3.0	4.6	1.5	.....	19.1
Hinckley	.....	1.0	.2	7.7	2.1	7.6	1.0	.5	.....	20.1
Hutchinson	.....	1.8	.5	7.0	5.7	19.5	2.1	.....	.....	36.6
International Falls	.....	T.	T.	11.8	2.5	4.5	4.5	1.5	.....	24.8
Itasca State Park	.....	T.	(*)	18.0	4.8	9.0	1.5	(*)	T.	.....
Lake Crystal	.....	(*)	1.0	4.0	2.0	3.0	(*)	(*)	(*)	.....
Leech Lake Dam	.....	.3	.6	18.4	6.0	10.4	6.0	6.0	3.2	50.9
Little Falls	.....	.2	(*)	10.1	5.2	16.5	(*)	.....	.....	.....
Long Prairie	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Luverne	.....	4.0	T.	1.1	1.5	2.7	3.5	T.	.....	12.8
Lynd	.....	1.0	T.	6.1	2.0	25.0	1.0	10.0	.....	45.1
Mankato	.....	2.0	.2	2.1	19.2	5.0	(*)	.2	.....	.....
Mapleplain	.....	3.0	1.0	9.0	6.7	21.0	2.9	6.3	.....	49.9
Meadowlands	.....	T.	T.	(*)	5.5	11.8	1.4	.1	.....	.....
Milaca	.....	2.0	T.	7.0	2.5	11.0	3.0	2.0	.....	27.5
Milan	.....	T.	T.	6.9	3.0	15.0	1.0	(*)	.....	.....
Minneapolis (Weather Bureau)	.....	T.	.5	6.1	4.6	11.8	1.5	2.2	.....	26.7
Minneapolis (No. 2)	.....	1.5	1.2	2.6	4.1	16.8	1.9	3.0	.....	31.1
Montevideo	.....	T.	T.	8.0	7.5	14.5	4.5	5.0	.....	39.5
Moorhead	.....	.....	2.2	13.0	2.1	5.8	2.4	3.1	.....	28.6
Moose Lake	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Mora	.....	3.0	1.0	11.2	4.0	11.7	4.2	7.7	.....	42.8
Morris	.....	.....	.....	(*)	(*)	6.6	(*)	(*)	.....	.....
New London	.....	.5	.....	6.0	3.5	11.5	1.5	.....	.....	23.0
New Richland	.....	T.	4.0	.5	5.5	15.0	T.	9.0	.....	34.0
New Ulm	.....	.....	1.6	4.0	7.0	18.2	.7	15.5	.....	47.0
Park Rapids	.....	1.4	.2	14.2	2.3	7.1	1.3	10.4	.....	36.9
Pine River Dam	.....	.5	T.	12.1	3.5	11.7	1.0	1.5	.....	30.3
Pipestone	.....	4.0	3.0	(*)	1.0	19.5	.2	(*)	(*)	.....
Pokegama Falls	.....	1.5	1.4	19.3	4.8	10.2	2.4	2.9	T.	42.5
Red Lake	.....	T.	1.0	13.9	1.0	4.8	3.8	T.	.....	24.5
Red Lake Falls	.....	T.	1.0	16.5	4.5	10.5	.2	6.0	.....	38.7
Red Wing	.....	.....	3.5	6.4	9.9	15.8	4.5	2.0	.....	42.1
Redwood Falls	.....	4.0	T.	7.5	4.0	12.0	(*)	(*)	.....	.....
Reeds	.....	.....	2.0	4.6	10.0	10.0	4.0	1.3	.....	31.9
Rochester	.....	.....	4.0	4.0	8.0	7.5	2.5	4.5	.....	30.5
Roseau	.....	3.0	4.0	9.5	1.5	5.5	5.5	4.0	T.	33.0
St. Charles	.....	(*)	4.0	4.2	6.0	(*)	T.	(*)	.....	.....
St. Cloud	.....	1.5	T.	6.9	5.3	19.9	.6	.4	.....	34.6

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Minnesota—Continued.										
St. Paul	.....	2.7	1.5	6.7	6.2	14.8	2.1	5.6	.....	39.6
St. Peter	.....	.2	2.0	8.8	6.5	12.8	(*)	4.0	.....	.....
Sandy Lake Dam	.....	T.	T.	22.5	4.5	7.5	2.0	3.0	T.	39.5
State Sanatorium	.....	.....	(*)	11.4	1.4	7.7	3.0	3.5	.....	.....
Stillwater	.....	.....	1.5	7.5	6.5	17.0	T.	(*)	(*)	.....
Taylors Falls	.....	.....	1.0	9.5	1.0	11.0	2.0	(*)	.....	.....
Thief River Falls	T.	.5	1.1	10.7	1.4	3.2	.8	3.1	.....	20.8
Tracy	.....	2.7	T.	6.4	2.0	28.5	4.5	13.5	.....	57.6
Two Harbors	.....	T.	T.	16.0	6.0	13.0	1.0	.5	6.5	37.0
Tyler	.....	1.0	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Virginia	.....	1.0	1.0	8.9	4.0	9.0	6.0	8.5	.....	38.4
Wadena	(*)	(*)	(*)	(*)	(*)	6.3	6.4	1.1	.....	.....
Warren	.....	.3	0.7	8.0	5.0	4.0	(*)	5.1	.....	.....
Warroad	.....	.....	1.0	(*)	1.0	(*)	(*)	(*)	.....	.....
Waseca	.....	1.0	3.0	1.4	6.5	14.0	(*)	T.	.....	.....
Wheaton	.....	.....	T.	8.7	4.9	7.8	7.0	T.	.....	28.4
Willmar	.....	T.	.....	5.0	1.7	16.0	.4	4.0	.....	27.1
Windom	.....	5.0	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Winnebago	.....	.7	(*)	(*)	(*)	(*)	2.0	8.0	.....	.....
Winnibigoshish	.....	.2	.....	15.0	3.3	9.6	4.8	7.0	1.8	41.7
Winona	.....	.....	4.0	3.2	10.0	12.2	T.	3.0	.....	32.4
Winthrop	.....	2.0	.5	7.0	12.5	7.5	.2	10.0	.....	39.7
Winton	.....	2.0	(*)	26.4	4.0	13.0	7.0	(*)	.....	.....
Worthington	.....	.....	T.	1.4	3.5	19.0	1.0	4.0	.....	28.9
Zumbrota	.....	.....	4.0	2.0	7.2	10.5	.2	4.0	.....	27.9
Mississippi.										
Aberdeen	.....	.....	.....	.....	4.8	T.	.....	.....	.....	4.8
Agricultural College	.....	.....	.....	.....	1.2	.....	.....	.....	.....	1.2
Anguilla	.....	.....	.....	.....	0.5	.....	.....	.....	.....	0.5
Austin	.....	.....	.....	.....	.....	T.	T.	.....	.....	T.
Batesville	.....	.....	.....	.....	0.6	.....	.....	.....	.....	0.6
Biloxi	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Booneville	.....	.....	.....	T.	1.0	0.2	.....	.....	.....	1.2
Brookhaven	.....	.....	.....	.....	2.5	.....	.....	.....	.....	2.5
Canton	.....	.....	.....	.....	11.8	.....	.....	.....	.....	11.8
Clarksdale	.....	.....	.....	.....	T.	T.	T.	.....	.....	T.
Columbia	.....	.....	.....	.....	0.1	.....	.....	.....	.....	0.1
Columbus	.....	.....	.....	T.	11.0	T.	.....	.....	.....	11.0
Corinth	.....	.....	.....	T.	0.4	0.5	.....	.....	.....	0.9
Crenshaw	.....	.....	.....	T.	T.	.....	.....	.....	.....	T.
Crystal Springs	.....	.....	.....	.....	8.0	T.	.....	.....	.....	8.0
Duck Hill	.....	.....	.....	T.	3.2	T.	T.	.....	.....	T.
Edinburg	.....	.....	.....	.....	14.2	T.	.....	.....	.....	14.2
Edwards	.....	.....	.....	.....	13.2	T.	.....	.....	.....	13.2
Enterprise	.....	.....	.....	.....	4.0	.....	.....	.....	.....	4.0
Fayette	.....	.....	.....	.....	2.8	.....	.....	.....	.....	2.8
Fulton	.....	.....	.....	0.2	3.0	0.1	.....	.....	.....	3.3
Greenville	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Greenwood	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Grenada	.....	.....	.....	T.	1.0	.....	.....	.....	.....	1.0
Hattiesburg	.....	.....	.....	.....	1.0	.....	.....	.....	.....	1.0
Hazlehurst	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Hernando	.....	.....	.....	T.	0.7	T.	T.	.....	.....	0.7
Hickory	.....	.....	.....	.....	6.0	.....	.....	.....	.....	6.0
Holly Bluff	.....	.....	.....	.....	3.0	.....	.....	.....	.....	3.0
Jackson	.....	.....	.....	.....	10.0	.....	.....	.....	.....	10.0
Kosciusko	.....	.....	.....	.....	11.0	.....	.....	.....	.....	11.0
Lake	.....	.....	.....	.....	9.0	.....	.....	.....	.....	9.0
Laurel	.....	.....	.....	.....	0.2	.....	.....	.....	.....	0.2
Louisville	.....	.....	.....	.....	13.0	T.	.....	.....	.....	13.0
McNeill	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Macon	.....	.....	.....	.....	12.0	T.	.....	.....	.....	12.0
Magnolia	.....	.....	.....	.....	3.0	T.	.....	.....	.....	3.0
Meridian	.....	.....	.....	.....	3.8	T.	.....	.....	.....	3.8
Merrill	.....	.....	.....	.....	3.5	.....	.....	.....	.....	3.5
Monticello	.....	.....	.....	.....	3.5	.....	.....	.....	.....	3.5
Moorhead	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Natchez	.....	.....	.....	.....	.....	T.	.....	.....	.....	T.

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Mississippi—Continued.										
Okolona					3.2					3.2
Port Gibson					8.5					8.5
Rosedale					T.	T.				T.
Shubuta					2.0					2.0
Stoneville					T.					T.
Tchula					1.0					1.0
Tupelo				T.	1.0	T.				1.0
University					1.5	T.				1.5
Utica					10.0	T.				10.0
Vicksburg					10.1	T.				10.1
Water Valley					1.0			T.		1.0
Woodville					1.0					1.0
Yazoo City					3.0					3.0
Missouri.										
Amoret			T.	10.0	8.0	8.7				26.7
Appleton City			1.0	9.0	1.5	6.7	T.			18.2
Arcadia				0.1	1.8	4.0	3.1	T.		9.0
Arlington				0.5		8.5				9.0
Avalon			2.0	21.0		12.0				35.0
Bethany			7.0	9.0	1.0	6.0	T.	T.		23.0
Birchtree					T.	2.0	8.0	T.		10.0
Bolivar				7.0	T.	8.0				15.0
Boonville			T.	6.0	3.0	7.7	T.			16.7
Brunswick			4.0	14.0	0.8	10.0		T.		28.8
Cape Girardeau				T.	2.0	1.0	T.			3.0
Caruthersville			T.	T.	T.	1.5	T.	T.		1.5
Cassville			(*)	6.5	T.	5.6				
Chillicothe			3.0	14.0		4.7	T.	T.		21.7
Clifton Hill			T.	13.0	1.0	11.0		T.		25.0
Clinton				12.0	7.0	4.0				23.0
Columbia			T.	8.1	0.9	9.0	T.	T.		18.0
Conception			3.0	5.5		3.5	0.2	T.		12.2
Dean			(*)	9.5	T.	5.5				
Doniphan					1.0	3.0		T.		4.0
Eldon			T.	9.1	2.0	7.0	T.	T.		18.1
Farmington			T.	0.5	1.0	4.0	3.0	T.		8.5
Fayette			1.0	8.5	1.0	9.8				20.3
Fulton			T.	5.0	1.4	6.7	T.	T.		13.1
Gallatin			7.0	12.0	2.0	10.9	T.	T.		31.9
Gano			T.	1.2	2.3	8.5	3.1	T.		15.1
Glencoe					T.	4.3				4.3
Goodland					0.5	1.0				1.5
Gorin			T.	2.0		5.3		T.		7.3
Grant City		T.	7.8	8.0	1.0	9.0	T.	T.		25.8
Hannibal		T.	T.	8.5	0.6	8.2	1.3	T.		18.6
Harrisonville			1.0	8.0	3.0	8.1	(*)			
Hermann			T.	0.8	1.0	11.0	T.			12.8
Hollister				1.5	(*)	(*)	(*)	(*)		
Houston			T.	0.5	0.5	6.0	3.0	T.		10.0
Jackson			T.	1.5	1.0	0.5	T.			3.0
Jefferson City			T.	7.5	0.4	11.3	T.			19.2
Kansas City			3.4	16.4	1.0	13.1	T.	T.		23.9
Keytesville				7.0	(*)	(*)	(*)	(*)	(*)	
Kidder			7.0	12.0	4.0	9.8	T.			32.8
Kirksville		T.	3.0	9.7	T.	4.5		T.		17.2
Koshkonong			T.		1.0	4.0	1.5			6.5
Lamar				8.0		7.0				15.0
Lamonte			T.	7.0		8.0		T.		15.0
Lebanon			T.	5.5	T.	17.0				22.5
Lexington			4.0	8.0	9.0	15.0				36.0
Liberty			2.1	18.5		12.2	T.	T.		32.8
Lockwood			0.2	10.0	2.0	10.0	T.			22.2
Louisiana			0.1	5.0	0.5	11.5	3.0			20.1
Macon			0.5	10.3	2.5	8.2	T.			21.5
Marble Hill					T.					T.
Marshall			1.0	9.5	1.0	5.2	T.	T.		16.7
Maryville			5.0	5.0	6.5	5.0	3.0			24.5
Mexico			T.	6.0	4.0	2.0				12.0

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Missouri—Continued.										
Mountain Grove	.....	.....	T.	T.	1.5	6.5	2.0	.....	.....	10.0
Neosho	.....	.....	0.5	3.0	0.1	5.0	T.	.....	.....	8.6
Nevada	.....	.....	T.	12.0	.....	6.0	.....	.....	.....	18.0
New Madrid	.....	.....	.....	.....	1.2	1.0	.....	.....	.....	2.2
Oakfield	.....	.....	T.	1.0	1.0	7.0	4.0	T.	.....	13.0
Oregon	.....	.....	5.0	12.0	1.0	10.3	T.	T.	.....	28.3
Osceola	.....	.....	.....	.....	.....	2.0	.....	.....	.....	2.0
Pacific	.....	.....	.....	T.	T.	4.6	T.	.....	.....	4.6
Palmyra	.....	.....	T.	7.0	.....	4.5	T.	.....	.....	11.5
Patton	.....	.....	.....	.....	.....	1.0	2.0	.....	.....	3.0
Poplar Bluff	.....	.....	.....	T.	0.2	0.6	T.	.....	.....	0.8
Rolla	.....	T.	T.	6.0	3.0	6.0	6.0	T.	.....	21.0
St. Catherine	.....	.....	2.0	12.0	1.0	7.7	.....	T.	.....	22.7
St. Charles	.....	.....	.....	T.	T.	0.5	2.0	.....	.....	2.5
St. Joseph	.....	.....	3.2	8.7	0.3	6.2	0.3	T.	.....	18.7
St. Louis (No. 1)	.....	.....	T.	0.5	0.7	3.1	1.2	T.	.....	5.5
St. Louis (No. 2)	.....	.....	T.	0.5	0.5	4.4	0.3	.....	.....	5.7
Shelbina	.....	.....	.....	12.0	.....	2.6	.....	.....	.....	14.6
Springfield	.....	T.	0.4	4.9	3.6	12.7	11.6	.....	.....	33.2
Steelville	.....	.....	.....	.....	(*)	9.0	2.0	.....	.....	.....
Steffenville	.....	.....	T.	15.0	7.0	9.5	T.	.....	.....	31.5
Tarkio	.....	.....	6.0	3.0	6.0	3.0	T.	.....	.....	18.0
Trenton	.....	.....	2.0	11.0	T.	9.0	0.4	T.	.....	22.4
Tuscumbia	.....	.....	T.	T.	4.0	2.0	.....	.....	.....	6.0
Union	.....	.....	.....	0.2	1.0	2.9	1.5	.....	.....	5.6
Unionville	.....	.....	4.0	12.0	0.4	13.5	T.	T.	.....	29.9
Valley Park	.....	.....	(*)	(*)	1.0	2.1	.....	.....	.....	.....
Warrensburg	.....	.....	(*)	(*)	3.2	22.0	.....	.....	.....	.....
Warrenton	.....	.....	T.	1.5	0.5	8.5	2.0	.....	.....	12.5
Warsaw	.....	T.	T.	15.0	3.5	7.0	.....	.....	.....	25.5
Waverly	.....	.....	.....	7.5	2.0	11.5	.....	.....	.....	21.0
Montana.										
Adel	.....	(*)	14.0	13.5	6.0	18.5	11.5	8.0	.....	.....
Agricultural College	.....	.....	14.0	4.5	2.5	(*)	(*)	(*)	4.0	.....
Anaconda	.....	0.8	0.8	1.0	6.3	9.5	3.3	0.2	1.2	23.1
Augusta	.....	.....	8.0	3.0	(*)	(*)	6.0	(*)	3.0	.....
Babb	.....	.....	(*)	4.0	1.0	(*)	(*)	T.	6.0	.....
Ballantine	(*)	(*)	(*)	(*)	(*)	(*)	(*)	0.5	(*)	.....
Belton	.....	(*)	0.8	11.0	5.5	(*)	T.	T.	0.1	.....
Big Ox	.....	.....	4.0	0.5	.....	20.0	.....	.....	.....	24.5
Big Timber	.....	.....	9.0	2.0	.....	11.0	9.0	2.0	.....	33.0
Billings	.....	.....	12.9	0.4	0.5	2.2	6.8	T.	.....	22.8
Blackleaf	.....	.....	9.5	7.6	T.	4.6	(*)	(*)	(*)	.....
Boulder	.....	(*)	(*)	(*)	(*)	2.5	(*)	(*)	T.	.....
Bowen	.....	.....	(*)	T.	1.1	16.4	2.2	(*)	(*)	.....
Brenner	.....	4.0	12.7	6.1	4.1	17.1	4.8	12.5	T.	61.3
Bridger	.....	.....	(*)	0.2	T.	3.0	T.	.....	(*)	.....
Browning	(*)	.....	1.5	1.7	3.6	(*)	6.0	T.	(*)	.....
Busby	.....	2.0	14.0	0.6	3.0	2.0	4.2	(*)	(*)	.....
Busteed	.....	.....	8.0	2.5	0.2	4.3	8.5	1.5	1.0	26.0
Butte	.....	1.5	4.5	0.2	3.2	11.0	8.0	(*)	T.	.....
Canyon Ferry	.....	.....	(*)	T.	(*)	(*)	(*)	.....	(*)	.....
Cascade	.....	.....	13.5	6.0	2.0	9.8	8.5	T.	(*)	.....
Chester	(*)	(*)	(*)	(*)	(*)	(*)	4.0	.....	T.	.....
Chinook	.....	.....	(*)	1.4	(*)	(*)	(*)	(*)	(*)	.....
Choteau	.....	.....	1.0	0.3	.....	(*)	(*)	(*)	(*)	.....
Christensen	.....	(*)	3.0	(*)	3.0	12.0	1.5	T.	(*)	.....
Clear Creek	.....	.....	7.5	1.0	(*)	1.0	(*)	(*)	(*)	.....
Columbia Falls	.....	T.	1.0	5.4	8.4	34.3	13.3	(*)	2.5	.....
Como	.....	T.	(*)	1.0	(*)	21.8	8.4	1.9	T.	.....
Copper	.....	5.5	4.5	0.2	4.5	18.5	14.0	0.5	1.0	[1]44.7
Crow Agency	.....	.....	13.0	T.	4.5	2.0	7.5	T.	(*)	.....
Culbertson	.....	1.0	3.2	4.2	T.	3.2	5.0	0.5	T.	17.1
Cut Bank	.....	.....	0.5	0.5	4.0	6.0	.....	.....	(*)	.....
Dayton	.....	.....	(*)	0.5	0.5	18.8	4.8	(*)	(*)	.....
Deer Lodge	.....	T.	2.0	T.	0.5	4.5	2.0	T.	(*)	.....
Dell	.....	1.0	10.0	1.7	1.7	1.4	3.0	8.5	T.	[2]30.3

[1] Includes June, 1919: Copper, 1.0.

[2] Includes August, 1918: Dell, 3.0.

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Montana—Continued.										
Denton	.....	0.7	2.0	0.5	6.5	5.8	8.5	0.2	2.4	26.6
Dillon	.....	T.	19.5	7.3	9.0	12.0	10.5	3.0	T.	61.3
Dunkirk	.....	T.	0.5	3.5	5.0	7.5	3.0	T.	1.2	20.7
East Anaconda	.....	T.	14.5	0.1	1.2	6.1	0.9	0.3	1.7	24.8
Ekalaka	.....	T.	(*)	1.8	(*)	(*)	0.8	(*)	(*)	.....
Elliston	.....	.....	11.0	4.2	(*)	(*)	1.1	(*)	(*)	.....
Ennis	.....	.....	6.0	6.0	2.0	10.0	(*)	(*)	(*)	.....
Findon	.....	T.	4.9	0.2	3.9	14.4	15.8	0.3	0.9	40.4
Flatwillow	.....	T.	13.0	0.5	5.0	8.3	10.0	0.6	4.0	41.4
Fortine	.....	T.	T.	4.0	(*)	25.0	3.0	(*)	(*)	.....
Fort Shaw	.....	.....	5.0	3.0	T.	5.5	4.5	.....	(*)	.....
Foster	.....	.....	6.0	0.2	4.0	1.1	.....	.....	.....	11.3
Glasgow	.....	.....	0.5	4.2	.....	2.2	5.3	.....	(*)	.....
Glendive	.....	T.	2.8	4.2	T.	10.0	9.2	T.	(*)	.....
Goldbutte	.....	.....	(*)	(*)	(*)	(*)	(*)	1.0	2.0	.....
Graham	.....	.....	7.0	3.5	1.0	1.0	2.3	4.5	T.	19.3
Great Falls	.....	.....	(*)	1.7	0.8	6.3	5.5	T.	T.	.....
Hamilton	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....	(*)	.....
Harlowton	.....	.....	.....	(*)	T.	5.0	7.0	.....	T.	.....
Haugan	.....	.....	(*)	17.0	13.5	40.5	22.0	.....	T.	.....
Havre	.....	.....	2.4	2.4	1.4	9.4	7.7	0.7	0.2	24.2
Hebgen Dam	.....	3.0	9.0	14.5	20.2	58.8	25.5	8.5	3.0	142.5
Helena	.....	T.	1.9	0.6	1.4	12.5	13.4	T.	T.	29.8
Hercules Ranch	.....	T.	5.0	1.2	T.	1.8	5.0	5.0	.....	18.0
Heron	.....	.....	2.1	8.0	9.0	45.5	20.0	(*)	(*)	.....
Highwood	.....	T.	9.0	5.8	2.5	9.1	11.0	T.	1.0	38.4
Huntley	.....	.....	16.5	1.0	(*)	(*)	(*)	(*)	(*)	.....
Jordan	(*)	T.	10.0	0.5	0.5	12.8	8.0	T.	T.	.....
Kalispell	.....	T.	0.2	1.5	3.9	18.8	5.5	T.	0.5	30.4
Knobles Ranch	.....	2.5	3.0	(*)	1.0	(*)	8.4	T.	T.	.....
Knowlton	.....	T.	8.7	(*)	T.	6.7	6.3	6.1	(*)	.....
Lewistown	.....	(*)	5.5	1.7	7.2	7.6	6.7	(*)	(*)	.....
Libby	.....	.....	0.1	(*)	11.7	24.6	5.3	(*)	(*)	.....
Lindsay	.....	.....	(*)	6.5	(*)	(*)	(*)	(*)	(*)	.....
Livingston	.....	T.	11.3	1.8	1.5	10.4	5.1	0.8	T.	30.9
Lonepine	(*)	(*)	(*)	(*)	2.7	21.0	2.0	.....	(*)	.....
Lytle	.....	T.	8.0	2.0	T.	10.2	3.8	0.5	2.0	26.5
Malta	.....	.....	4.0	1.0	T.	7.0	3.5	(*)	(*)	.....
Medicine Lake	.....	.....	1.5	6.0	T.	4.0	6.0	T.	(*)	.....
Mildred	.....	T.	2.0	4.0	1.0	2.5	T.	3.5	T.	13.0
Miles City	.....	T.	5.2	3.9	0.4	6.3	5.4	2.6	0.3	24.1
Missoula	.....	.....	(*)	1.5	3.0	11.0	(*)	(*)	(*)	.....
Norris	.....	0.5	10.0	4.5	5.2	9.8	5.5	(*)	(*)	.....
Outlook	.....	.....	T.	6.0	.....	7.0	(*)	(*)	(*)	.....
Ovando	.....	0.5	0.2	9.4	3.0	36.5	13.5	(*)	0.2	.....
Philipsburg	.....	1.5	7.1	0.8	5.0	8.3	5.8	2.8	0.8	32.1
Pinegrove	T.	4.0	8.0	6.0	5.0	5.0	13.7	.....	(*)	.....
Plains	.....	(*)	T.	1.0	3.0	21.5	3.0	(*)	(*)	.....
Plevna	.....	0.5	4.8	6.3	0.6	6.9	4.8	5.0	.....	28.9
Polson	.....	.....	(*)	(*)	2.0	24.0	7.0	(*)	(*)	.....
Poplar	.....	0.5	8.5	10.5	1.5	7.5	(*)	3.0	T.	.....
Red Lodge	.....	1.5	11.5	7.5	5.0	8.0	1.5	6.0	2.0	43.0
Renova	.....	1.5	1.0	T.	T.	11.5	0.5	(*)	0.5	.....
Rock Springs	.....	T.	12.9	7.0	4.0	10.2	9.6	1.5	.....	45.2
Roundup	.....	.....	5.0	T.	5.0	1.8	13.5	T.	(*)	.....
Rudyard	.....	T.	2.1	0.5	2.5	11.5	(*)	(*)	(*)	.....
St. Ignatius	.....	.....	(*)	0.5	(*)	14.9	8.5	(*)	T.	.....
Savage	.....	0.5	6.0	6.5	.....	9.5	9.0	4.0	(*)	.....
Shelby	.....	.....	2.5	0.5	2.5	5.5	0.7	T.	.....	11.7
Snowbelt	.....	.....	10.7	0.8	0.8	10.4	10.2	T.	T.	32.9
Springbrook	.....	.....	31.0	16.0	2.5	14.0	19.3	4.5	4.5	91.8
Stevensville	.....	.....	0.2	0.2	(*)	(*)	(*)	.....	T.	.....
Stryker	.....	.....	1.8	21.7	23.1	(*)	(*)	.....	(*)	.....
Suffolk	.....	1.0	5.0	T.	5.0	(*)	(*)	(*)	(*)	.....
Sula	(*)	(*)	(*)	(*)	5.8	20.5	7.0	14.7	2.0	.....
Sun River Canyon	.....	.....	6.0	3.0	1.0	15.4	5.0	(*)	(*)	.....
Sunset Orchard	.....	T.	T.	T.	2.5	8.0	4.5	T.	T.	15.0
Superior	.....	(*)	(*)	0.2	0.2	(*)	1.5	(*)	(*)	.....
Thompson Falls	.....	T.	(*)	1.7	6.6	21.5	(*)	0.2	.....	.....

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Montana—Continued.										
Three Forks	.....	0.8	7.2	0.4	1.2	7.0	1.5	(*)	T.	.....
Trout Creek	.....	(*)	3.5	6.5	(*)	33.5	14.0	T.	T.	.....
Upper Yaak River	(*)	1.0	1.0	8.5	11.5	30.9	12.5	0.5	(*)	.....
Utica	.....	2.0	6.5	0.5	1.5	5.5	14.0	0.5	0.5	31.0
Valentine	.....	.....	9.5	0.2	4.1	10.7	1.2	(*)	(*)	.....
Valier	.....	T.	7.4	1.5	0.9	6.4	T.	(*)	5.5	.....
Vananda	.....	.....	(*)	.....	.....	6.0	8.0	.....	(*)	.....
Victor	.....	.....	(*)	(*)	0.5	4.5	(*)	(*)	(*)	.....
Virginia City	.....	.....	5.5	7.4	5.0	12.5	(*)	(*)	(*)	.....
Wheaton	.....	T.	2.5	1.5	2.0	8.5	11.5	(*)	3.0	.....
White Sulphur Springs	.....	0.3	.....	4.0	T.	10.0	12.0	(*)	(*)	.....
White Water	.....	.....	3.5	1.5	.....	3.5	4.0	5.0	(*)	.....
Wioaux	.....	(*)	(*)	1.8	.....	(*)	(*)	.....	(*)	.....
Wolf Creek	.....	.....	9.0	T.	(*)	14.0	(*)	.....	.....	.....
Nebraska.										
Ainsworth	.....	5.0	3.0	19.0	2.0	12.0	4.0	4.0	.....	49.0
Albion	.....	2.0	T.	5.0	2.0	17.0	3.0	6.0	.....	35.0
Alliance	.....	.....	(*)	7.0	3.0	13.0	1.2	11.0	1.0	.....
Alma	.....	T.	T.	8.5	2.0	9.0	1.5	10.0	.....	31.0
Antioch	.....	(*)	(*)	6.2	T.	(*)	(*)	(*)	(*)	.....
Arcadia	.....	8.0	(*)	(*)	.....	(*)	(*)	6.0	.....	.....
Arden	.....	5.5	T.	1.5	2.0	19.0	1.0	7.0	.....	36.0
Ashland	.....	T.	3.0	4.1	1.3	7.9	1.0	T.	.....	17.3
Atkinson	.....	16.0	4.0	6.5	10.0	10.7	0.5	1.0	.....	48.7
Auburn	.....	.....	6.0	5.0	7.0	14.0	2.0	.....	.....	34.0
Beatrice	.....	.....	3.0	3.1	5.0	(*)	(*)	.....	.....	.....
Beaver City	.....	T.	.....	6.0	T.	10.5	1.0	10.0	.....	27.5
Bertrand	.....	6.0	1.0	8.0	1.5	8.5	.....	10.0	.....	35.0
Bigspring	.....	6.0	0.9	10.1	.....	16.0	4.0	(*)	(*)	.....
Blair	.....	2.0	3.7	3.0	4.0	8.6	1.0	.....	.....	22.3
Blake	.....	12.0	2.0	(*)	(*)	(*)	(*)	(*)	(*)	.....
Bloomfield	.....	3.0	.....	(*)	(*)	(*)	(*)	(*)	(*)	.....
Brewster	.....	10.0	1.0	15.0	2.0	11.5	3.0	4.0	.....	46.5
Bridgeport	.....	T.	2.0	6.0	0.5	12.5	T.	6.0	T.	27.0
Broken Bow	.....	6.2	1.5	5.5	1.0	16.5	5.0	4.0	.....	39.7
Brownlee	.....	2.0	1.0	6.0	1.0	8.0	1.0	1.0	.....	20.0
Bruning	.....	0.5	2.7	4.8	0.5	9.0	2.0	2.0	.....	21.5
Burwell	.....	3.0	.....	3.0	.....	8.0	4.0	3.5	.....	26.5
Butte	.....	14.0	2.0	4.0	2.0	12.0	T.	5.0	.....	39.0
Cairo	.....	9.0	T.	2.5	2.0	15.0	1.0	10.0	.....	39.5
Callaway	.....	7.0	(*)	7.0	1.0	(*)	(*)	6.0	.....	.....
Central City	.....	8.0	T.	2.5	1.5	11.0	2.0	8.0	.....	33.0
Chadron	T.	T.	4.7	11.1	.....	13.9	16.5	20.0	T.	66.2
Clay Center	.....	T.	T.	0.5	T.	10.0	2.5	7.0	.....	20.0
Columbus	.....	5.0	T.	0.2	1.0	8.5	T.	6.0	.....	20.7
Crete	.....	0.2	2.1	6.2	0.1	5.9	0.2	1.7	.....	16.4
Culbertson	.....	8.0	4.0	15.0	.....	6.5	4.0	7.0	.....	44.5
Curly	(*)	(*)	6.0	8.0	(*)	(*)	(*)	(*)	(*)	.....
Curtis	.....	4.0	5.5	4.5	.....	9.0	4.0	4.0	.....	31.0
David City	.....	5.0	3.0	3.0	3.2	8.1	0.8	6.5	.....	29.6
Drexel	.....	T.	3.5	3.0	2.2	10.3	2.1	0.6	.....	21.7
Dumas	.....	10.0	T.	1.0	2.0	8.0	2.5	3.0	.....	26.5
Elm Creek	.....	7.0	.....	5.0	.....	5.0	2.0	5.0	.....	24.0
Elsie	.....	(*)	(*)	12.0	.....	(*)	(*)	(*)	.....	.....
Ericson	.....	4.0	.....	3.0	1.0	10.0	T.	3.0	.....	21.0
Ewing	.....	2.5	T.	2.3	0.9	7.5	2.5	4.5	.....	20.2
Fairbury	.....	.....	2.7	6.5	1.0	6.7	1.0	1.0	.....	18.9
Fairmont	.....	3.0	1.5	1.0	1.2	11.5	1.0	2.0	.....	21.2
Falls City	.....	.....	4.0	3.9	1.0	5.0	.....	.....	.....	13.9
Fort Omaha	.....	0.5	5.7	1.7	0.9	7.7	1.3	0.4	.....	18.2
Fort Robinson	.....	T.	4.0	10.3	.....	12.8	8.8	15.0	.....	50.9
Franklin	T.	1.0	T.	6.0	T.	8.5	3.0	6.0	.....	24.5
Fremont	.....	T.	2.2	3.5	1.0	5.5	1.2	.....	.....	13.4
Fullerton	(*)	(*)	T.	1.8	1.0	13.7	1.0	6.0	.....	.....
Geneva	(*)	4.5	2.8	0.5	3.4	(*)	1.0	2.0	.....	.....
Genoa	(*)	3.2	(*)	(*)	0.8	13.5	(*)	3.5	(*)	.....
Gordon	.....	T.	3.5	8.0	0.5	9.0	5.5	14.0	T.	40.5
Gosper	.....	4.0	1.2	5.5	.....	8.5	1.5	3.5	.....	24.2

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Nebraska—Continued.										
Gothenburg	.....	6.0	4.0	9.5	.....	12.5	4.0	4.5	.....	40.5
Grand Island	.....	4.0	T.	0.5	3.0	20.0	T.	10.0	.....	37.5
Greeley	.....	0.4	0.2	(*)	(*)	(*)	(*)	(*)	(*)	.....
Guide Rock	.....	2.0	2.0	(*)	.....	8.5	3.0	5.0	.....	.....
Haigler	.....	T.	1.5	10.0	T.	4.5	1.5	4.0	.....	21.5
Halsey	.....	12.0	2.4	7.7	1.5	12.2	2.8	T.	.....	38.6
Hardy	.....	T.	3.8	7.5	(*)	10.0	4.0	1.4	.....	.....
Harrison	T.	T.	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Hartington	.....	3.0	1.0	2.0	3.0	21.0	4.0	5.0	.....	39.0
Hastings	.....	3.0	T.	1.0	1.5	18.5	2.0	9.0	.....	35.0
Hayes Center	.....	6.0	5.0	12.0	0.5	11.0	2.5	4.5	.....	41.5
Hay Springs	.....	.....	3.0	11.5	.....	11.0	12.5	17.0	.....	55.0
Hebron	.....	T.	3.0	6.0	1.0	8.3	1.4	2.0	.....	21.7
Hemingford	.....	.....	4.4	8.9	1.2	10.7	10.7	(*)	(*)	.....
Hershey	.....	12.0	2.0	6.0	.....	9.5	1.5	4.0	.....	35.0
Hillside	(*)	(*)	(*)	(*)	(*)	(*)	4.0	T.	.....	.....
Holdrege	.....	7.0	0.2	12.0	1.0	10.2	0.5	3.0	.....	33.9
Hull	T.	T.	8.0	17.0	T.	(*)	(*)	(*)	(*)	.....
Imperial	T.	8.0	2.2	23.2	T.	13.5	4.0	6.0	.....	56.9
Kearney	.....	4.0	0.5	6.0	.....	11.5	2.2	8.0	.....	32.2
Kimball	(*)	0.5	3.0	12.0	1.0	8.5	10.0	6.0	.....	.....
Kirkwood	(*)	10.0	T.	14.0	.....	(*)	T.	3.0	.....	.....
Kola	.....	15.0	2.0	3.3	T.	(*)	(*)	(*)	.....	.....
Kowanda	0.2	5.0	0.2	12.0	T.	9.0	1.6	2.8	.....	30.8
Lexington	.....	6.0	T.	4.5	T.	17.5	2.0	6.0	.....	36.0
Lincoln	.....	T.	2.4	2.9	0.5	9.0	0.9	0.6	.....	16.3
Lodgepole	.....	6.0	T.	9.0	3.0	15.0	2.0	12.0	.....	47.0
Loup City	.....	6.0	T.	4.0	T.	(*)	.....	T.	.....	.....
McCook	.....	4.0	3.3	11.5	.....	12.6	4.7	9.0	.....	45.1
McCool Junction	.....	3.0	T.	2.0	.....	17.0	1.0	T.	.....	23.0
Madison	.....	2.0	0.5	(*)	0.5	(*)	T.	5.0	.....	.....
Madrid	T.	6.0	2.2	11.5	0.5	10.5	1.0	3.0	T.	34.7
Marquette	.....	3.5	0.5	2.0	0.5	(*)	(*)	(*)	(*)	.....
Mary	.....	14.0	0.8	12.3	3.7	13.2	7.3	(*)	(*)	.....
Mason City	.....	T.	8.0	7.5	.....	11.0	1.0	8.0	.....	35.5
Melbeta	.....	T.	8.0	10.5	.....	(*)	10.5	4.0	(*)	.....
Merriman	.....	T.	2.0	5.0	.....	15.0	(*)	4.0	.....	.....
Minden	.....	4.0	T.	5.8	T.	16.9	1.0	8.0	.....	35.7
Mitchell	.....	T.	4.6	10.0	.....	8.0	2.0	4.0	.....	28.6
Nebraska City	.....	.....	4.0	3.0	2.0	9.2	1.5	T.	.....	19.7
Neligh	.....	2.5	T.	0.5	4.0	10.0	1.0	5.0	.....	23.0
Nenzel	.....	2.0	1.2	7.9	2.5	10.9	2.0	T.	T.	26.5
Norfolk	.....	5.0	0.5	0.5	2.5	16.0	1.7	2.5	.....	28.7
North Loup	.....	4.0	0.5	3.5	1.2	11.2	T.	6.0	.....	26.4
North Platte	.....	2.3	1.5	5.9	0.6	10.1	0.5	3.2	.....	24.1
Oakdale	.....	3.0	0.3	2.6	1.6	18.4	1.0	6.5	.....	33.4
Ogallala	T.	12.0	(*)	(*)	(*)	(*)	(*)	(*)	.....	.....
Omaha	.....	0.2	4.2	3.2	2.9	8.5	1.3	0.3	.....	20.6
O'Neill	(*)	(*)	T.	3.0	2.5	11.5	4.0	6.0	.....	.....
Ord	.....	7.0	T.	2.2	.....	10.0	(*)	3.0	(*)	.....
Orleans	.....	.....	(*)	5.0	1.5	15.5	2.0	6.0	.....	.....
Osceola	.....	(*)	(*)	(*)	1.0	(*)	(*)	(*)	.....	.....
Oshkosh	.....	1.5	T.	11.0	T.	21.0	7.0	8.0	.....	48.5
Palisade	.....	5.0	3.0	10.0	0.5	9.2	2.5	3.2	.....	33.4
Pawnee City	.....	.....	4.0	3.0	1.0	6.0	0.5	0.5	.....	15.0
Paxton	T.	12.0	T.	6.5	1.5	16.5	1.0	4.0	.....	41.5
Plattsmouth	(*)	(*)	(*)	(*)	(*)	(*)	(*)	T.	.....	.....
Purdum	.....	15.0	2.3	10.9	6.0	15.0	7.0	4.0	.....	60.2
Ravenna	.....	6.5	.....	5.7	0.7	13.2	1.0	8.5	.....	35.6
Red Cloud	.....	0.5	0.5	4.0	T.	15.8	1.5	8.0	.....	30.3
St. Paul	.....	4.0	.....	1.2	0.3	14.1	1.0	4.5	.....	25.1
Santee	.....	7.9	T.	(*)	4.5	7.4	4.0	4.0	.....	.....
Schuyler	.....	3.0	1.5	4.0	3.0	7.5	2.0	7.0	.....	28.0
Scottsbluff	.....	T.	7.0	4.6	0.3	11.0	4.3	3.7	.....	30.9
Seward	.....	2.0	5.2	4.2	0.5	16.5	1.0	3.0	.....	32.4
Sidney	.....	3.0	1.2	14.1	2.0	7.8	3.0	11.0	.....	42.1
Springfield	.....	.....	4.9	.....	4.5	(*)	.....	.....	.....	.....
Stanton	.....	2.0	0.4	T.	2.0	13.1	T.	3.0	.....	20.5
Stratton	.....	4.0	2.0	10.0	.....	6.2	4.3	(*)	.....	.....

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Nebraska—Continued.										
Syracuse	.....	.....	8.0	8.0	2.0	8.5	1.0	T.	.....	27.5
Table Rock	.....	.....	5.2	7.0	1.5	7.0	0.5	0.5	.....	21.7
Tecumseh	.....	T.	3.8	2.7	0.9	7.6	0.2	.....	.....	15.2
Tekamah	(*)	4.0	3.0	1.5	3.5	8.0	1.5	(*)	.....	.....
University Farm	.....	T.	3.0	4.0	0.5	8.0	1.0	(*)	.....	.....
Upland	.....	1.0	.....	T.	.....	4.0	2.0	6.0	.....	13.0
Utica	.....	2.5	3.5	0.4	1.8	13.2	0.6	2.0	.....	24.0
Valentine	.....	3.1	0.6	4.0	0.7	10.2	1.4	1.6	T.	21.6
Wahoo	.....	T.	3.0	2.0	2.0	(*)	3.0	T.	.....	.....
Wakefield	.....	3.0	0.1	T.	4.0	10.5	1.5	4.2	.....	23.3
Walthill	.....	3.0	2.0	2.0	3.0	13.0	2.0	4.0	.....	29.0
Watertown	.....	7.0	T.	8.0	T.	18.0	T.	.....	.....	33.0
Wauneta	.....	5.0	3.5	16.5	.....	11.6	2.5	1.0	.....	40.1
Weeping Water	.....	(*)	4.0	3.0	2.5	7.0	.....	.....	.....	.....
West Point	.....	4.0	4.0	T.	1.0	11.0	T.	12.0	.....	32.0
Wisner	(*)	3.0	.....	T.	1.0	10.0	.....	14.0	.....	.....
York	.....	3.0	1.5	4.2	1.0	19.0	3.0	8.0	.....	39.7
Nevada.										
Arthur	.....	2.2	7.7	5.8	.....	45.4	11.7	1.4	.....	74.2
Austin	.....	.....	33.5	13.0	T.	27.0	9.0	.....	.....	82.5
Battle Mountain	.....	.....	4.0	7.0	.....	(*)	(*)	.....	.....	.....
Beatty	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0
Beowawe	.....	.....	6.4	2.5	.....	(*)	(*)	0.2	.....	.....
Clover Valley	.....	.....	7.5	7.0	.....	(*)	(*)	.....	.....	.....
Duck Flat	.....	.....	4.0	6.0	2.0	8.0	.....	.....	.....	20.0
Elko	.....	.....	5.0	2.0	T.	(*)	2.0	(*)	.....	.....
Eureka	.....	3.0	7.2	13.0	0.5	18.5	19.2	T.	(*)	.....
Fallon	.....	.....	T.	.....	.....	6.8	T.	.....	.....	6.8
Franktown	.....	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Gardnerville	.....	.....	0.6	2.5	5.0	14.0	1.5	.....	.....	23.6
Gerlach	.....	.....	4.0	1.7	1.5	14.0	(*)	.....	.....	.....
Golconda	.....	.....	9.0	2.0	.....	9.0	3.0	.....	.....	23.0
Gold Creek	(*)	(*)	(*)	16.0	11.5	(*)	(*)	(*)	T.	.....
Goldfield	.....	T.	T.	3.5	T.	4.4	17.8	.....	(*)	.....
Hylton	.....	T.	14.0	4.5	1.0	16.0	14.0	.....	.....	49.5
Imlay	.....	.....	6.5	6.0	.....	(*)	(*)	.....	.....	.....
Jungo	.....	.....	(*)	3.0	.....	7.5	T.	T.	.....	.....
Lahontan	(*)	(*)	0	(*)	.....	(*)	T.	.....	.....	.....
Lamoille	.....	T.	(*)	(*)	T.	(*)	(*)	(*)	.....	.....
Las Vegas	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0
Lemmons Valley	.....	T.	1.0	6.5	1.0	21.0	1.5	T.	.....	31.0
Logandale	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0
Lovelock	.....	.....	3.0	1.0	T.	11.0	5.0	.....	.....	20.0
McDermitt	.....	.....	7.0	6.0	4.0	17.4	7.0	T.	.....	41.4
McGill	.....	2.0	7.7	7.0	T.	20.5	11.0	T.	.....	48.2
Mahoney Ranger Station	.....	8.0	12.0	14.0	(*)	(*)	(*)	(*)	(*)	.....
Marlette Lake	.....	.....	25.8	17.5	19.4	118.5	36.5	11.5	T.	229.2
Metropolis	.....	(*)	(*)	(*)	1.0	24.0	7.0	1.0	.....	.....
Millett	.....	.....	6.0	2.0	T.	14.0	6.5	.....	.....	28.5
Mina	.....	.....	T.	.....	.....	12.5	1.0	.....	.....	13.5
North Fork	.....	3.0	9.0	5.0	2.0	20.0	10.0	2.0	.....	51.0
Oasis Ranch	.....	.....	T.	.....	.....	3.0	(*)	.....	(*)	.....
Owyhee	.....	T.	12.5	14.5	5.0	26.6	15.4	2.0	.....	76.0
Pahrump	(*)	(*)	(*)	.....	(*)	(*)	(*)	(*)	(*)	.....
Paradise Valley	.....	.....	4.1	0.2	.....	(*)	(*)	(*)	(*)	.....
Potts	.....	(*)	6.0	4.5	0.5	11.0	8.5	.....	.....	.....
Quinn River Ranch	.....	(*)	(*)	.....	(*)	(*)	(*)	.....	.....	.....
Rebel Creek	(*)	.....	7.7	3.5	.....	16.5	6.0	.....	.....	.....
Reno	.....	.....	T.	4.0	3.6	13.2	3.3	0.7	.....	24.8
Sand Pass	.....	.....	(*)	2.0	T.	7.0	T.	T.	.....	.....
San Jacinto	.....	T.	4.0	1.5	T.	11.0	5.0	.....	.....	21.5
Searchlight	.....	.....	.....	0.2	.....	2.0	.....	.....	.....	2.2
Sharp	.....	.....	3.5	8.0	1.0	20.0	17.0	.....	.....	49.5
Smith	.....	.....	1.5	3.0	4.5	(*)	1.5	.....	.....	.....
Sulphur	.....	.....	2.0	2.5	.....	5.0	T.	T.	.....	9.5
Tecoma	.....	.....	4.0	.....	.....	5.0	9.0	.....	.....	18.0
Thorne	.....	.....	0.2	T.	.....	9.0	.....	(*)	.....	.....
Tonopah	.....	0.5	1.4	5.3	T.	5.2	8.0	T.	.....	20.4

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Nevada—Continued.										
Tuscarora	.....	2.0	17.2	8.5	6.5	32.0	16.2	2.0	.....	84.4
Vya	.....	.....	0.5	6.0	6.5	35.5	0.5	.....	.....	49.0
Winnemucca	.....	.....	9.3	3.5	0.3	10.4	3.2	T.	.....	26.7
Yerington	.....	.....	2.5	2.5	.....	(*)	0.5	.....	.....	.....
New Hampshire.										
Alstead Center	.....	.....	0.5	14.5	17.0	21.0	5.0	1.0	.....	59.0
Berlin	.....	0.5	4.3	15.1	15.8	10.6	10.4	5.5	.....	62.2
Bethlehem	.....	.....	7.7	(*)	(*)	(*)	(*)	12.0	.....	.....
Concord	.....	.....	0.2	13.1	11.9	18.3	0.3	0.4	.....	44.2
Durham	.....	.....	.....	15.9	3.8	9.2	1.0	(*)	.....	.....
Franklin	.....	.....	0.5	9.9	11.4	19.0	0.5	T.	.....	41.3
Glencliff	.....	.....	8.4	14.5	19.8	14.2	9.2	2.9	.....	69.0
Hanover	.....	.....	0.7	7.9	13.5	14.3	3.0	0.4	.....	39.8
Keene	.....	.....	0.6	11.5	9.7	13.2	4.0	0.3	.....	39.0
Newton	.....	.....	T.	(*)	(*)	(*)	(*)	(*)	(*)	.....
Pittsburg	.....	.....	8.0	27.0	35.2	20.2	19.5	6.0	.....	115.9
Plymouth	.....	.....	1.0	10.7	9.2	16.5	4.0	T.	.....	41.4
New Jersey.										
Asbury Park	.....	.....	.....	T.	(*)	0.1	0.6	T.	.....	.....
Atlantic City	.....	.....	.....	T.	0.9	0.5	0.1	T.	.....	1.5
Belvidere	.....	.....	.....	0.8	3.7	1.0	1.0	T.	.....	6.5
Bergen Point	.....	.....	.....	T.	0.5	0.5	3.0	T.	T.	4.0
Boonton	.....	.....	.....	0.7	1.2	1.1	1.9	T.	.....	4.9
Bridgeton	.....	.....	.....	T.	1.0	0.5	0.5	T.	.....	2.0
Burlington	.....	.....	.....	T.	0.5	2.0	1.2	T.	.....	3.7
Camp Dix	(*)	(*)	(*)	(*)	T.	T.	1.8	T.	.....	.....
Cape May	.....	.....	.....	0.2	1.5	0.2	0.1	0.1	.....	2.1
Charlotteburg	.....	.....	.....	1.0	(*)	2.0	1.0	.....	.....	.....
Chatham	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Clayton	.....	.....	.....	0.2	0.8	1.8	1.8	0.2	.....	4.8
Culvers Lake	.....	.....	T.	2.7	7.1	9.1	1.5	0.7	.....	21.1
Dover	.....	.....	T.	0.5	0.4	1.5	1.5	T.	.....	3.9
Elizabeth	.....	.....	.....	0.5	1.0	1.0	2.0	T.	.....	4.5
Flemington	.....	.....	.....	T.	1.0	1.8	1.5	(*)	.....	.....
Hammonton	.....	.....	.....	T.	0.3	0.6	(*)	(*)	.....	.....
Highwood	.....	.....	.....	0.8	0.8	1.0	2.8	T.	.....	5.4
Hightstown	(*)	(*)	(*)	(*)	(*)	0.5	1.1	0.2	.....	.....
Imlaystown	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Indian Mills	.....	.....	.....	T.	0.5	1.5	2.0	T.	.....	4.0
Jersey City	.....	.....	T.	0.6	0.5	0.7	3.7	T.	.....	5.5
Lakehurst	.....	.....	.....	(*)	(*)	(*)	(*)	(*)	(*)	.....
Lakewood	.....	.....	.....	T.	T.	T.	2.0	T.	.....	2.0
Lambertville	.....	.....	.....	(*)	(*)	1.0	1.0	T.	.....	.....
Layton	.....	.....	.....	2.0	7.8	2.0	1.0	0.5	.....	13.3
Little Falls	.....	.....	.....	0.5	(*)	0.2	(*)	T.	.....	.....
Long Branch	.....	.....	.....	0.3	0.4	T.	2.1	0.1	.....	2.9
Moorestown	.....	.....	.....	T.	0.2	0.7	1.5	T.	.....	2.4
Newark	.....	.....	.....	1.0	0.6	0.7	2.2	T.	.....	4.5
New Brunswick	.....	.....	.....	T.	1.0	1.3	1.8	T.	.....	4.1
Newton	.....	.....	T.	2.0	5.7	4.0	2.0	T.	.....	13.7
Northfield	.....	.....	.....	T.	0.5	0.7	0.2	(*)	.....	.....
Palisades Park	.....	.....	.....	0.9	0.8	2.2	4.3	T.	.....	8.2
Paterson	.....	.....	.....	0.5	0.5	0.5	2.7	.....	.....	4.2
Philipsburg	.....	.....	.....	1.0	4.3	3.0	1.7	T.	.....	10.0
Plainfield	(*)	(*)	(*)	(*)	(*)	(*)	0.9	T.	.....	.....
Pleasantville	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Pompton Plains	.....	.....	.....	1.0	1.0	T.	T.	.....	.....	2.0
Sandy Hook	.....	.....	.....	T.	T.	0.1	1.8	0.1	.....	2.0
Somerville	.....	.....	.....	T.	0.4	0.8	1.0	.....	.....	2.2
South Orange	.....	.....	.....	0.5	0.3	1.2	2.0	T.	.....	4.0
Trenton	.....	.....	.....	T.	0.3	1.2	0.5	T.	.....	2.0
Tuckerton	.....	.....	.....	T.	T.	1.0	3.0	T.	.....	4.0
Vineland	.....	.....	.....	T.	1.0	T.	0.7	.....	.....	1.7
Woodbine	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
New Mexico.										
Abbott	.....	.....	6.0	23.0	.....	8.0	22.5	8.0	T.	67.5
Agricultural College	.....	.....	4.5	3.3	0.2	.....	.....	.....	.....	8.0
Alamogordo (No. 1)	.....	.....	1.0	3.5	.....	.....	T.	.....	.....	4.5
Alamogordo (No. 2)	.....	.....	1.8	4.5	T.	T.	T.	.....	.....	6.3
Alamos Ranch	.....	1.1	13.0	20.6	17.0	12.4	25.5	9.5	T.	99.1
Albuquerque	.....	.....	0.4	1.2	.....	(*)	(*)	0.7	.....	.....
Alma	.....	.....	5.2	9.5	.....	0.6	T.	T.	.....	15.3
Ancho	.....	2.0	20.0	18.0	T.	(*)	1.5	9.5	.....	.....
Anchor Mine	4.0	13.0	28.0	55.0	9.0	64.0	69.0	56.0	5.0	[1] 308.0
Aragon	.....	.....	8.0	23.0	1.0	29.0	5.0	4.0	.....	70.0
Artesia	.....	.....	7.5	3.5	2.0	.....	.....	T.	.....	13.0
Aspen Grove Ranch	.....	6.4	35.1	32.0	4.5	25.5	37.5	13.0	4.0	158.0
Aurora	.....	1.0	6.0	21.0	.....	21.0	39.5	16.5	2.5	107.5
Aztec	.....	.....	9.0	11.3	1.0	5.2	2.0	1.2	.....	29.7
Baca Ranch Ranger Station	.....	.....	3.0	(*)	2.0	T.	.....	T.	.....	.....
Baldwin Ranger Station	.....	3.0	36.0	19.0	T.	12.0	9.0	10.0	.....	89.0
Barton	.....	4.0	16.0	37.0	2.5	13.9	30.5	17.0	.....	120.9
Bateman's Ranch	.....	9.0	35.5	27.2	14.0	22.0	14.0	13.0	8.0	[1] 144.7
Bell Ranch	.....	.....	6.0	22.2	.....	5.0	1.0	4.5	.....	38.7
Black Lake	.....	1.0	6.0	15.0	1.0	29.0	26.0	8.0	.....	86.0
Black Rock	.....	T.	4.7	9.5	0.6	12.1	12.5	2.6	.....	42.0
Bland	.....	1.0	22.0	31.8	0.8	9.8	11.5	16.0	.....	92.9
Block Ranch Ranger Station	.....	3.0	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Bloomfield	.....	.....	7.0	11.0	1.0	3.5	3.0	2.0	.....	27.5
Bluewater	.....	(*)	(*)	(*)	.....	4.0	(*)	(*)	(*)	.....
Boaz	.....	.....	8.0	7.0	.....	.....	.....	.....	.....	15.0
Buchanan	.....	1.0	10.0	19.0	1.5	1.5	2.0	2.0	.....	37.0
Cabeza	.....	.....	7.0	23.0	T.	7.0	5.5	1.0	.....	43.5
Cambray	.....	.....	4.9	(*)	.....	.....	.....	.....	.....	.....
Campana	.....	.....	10.0	25.0	0.5	6.0	2.0	6.0	.....	49.5
Camp Cody	.....	.....	0.2	2.7	.....	T.	(*)	(*)	(*)	.....
Capitan	.....	T.	6.2	22.2	0.1	T.	1.0	6.0	.....	35.5
Capulin Ranger Station	.....	T.	13.1	16.0	1.0	14.5	2.0	(*)	.....	.....
Carlsbad	.....	.....	12.0	2.0	1.0	.....	.....	.....	.....	15.0
Carrizozo	.....	T.	0.8	6.8	T.	T.	T.	0.8	.....	8.4
Carson Seep Ranger Station	.....	.....	30.0	10.0	7.0	T.	0.5	4.0	.....	51.5
Chacon	.....	.....	18.0	32.0	.....	19.5	74.0	12.0	T.	155.5
Chama	.....	2.0	14.0	27.2	3.6	28.5	24.7	8.0	(*)	.....
Cimarron (near)	.....	T.	10.0	14.0	T.	17.0	42.0	10.0	.....	93.0
Clayton	.....	.....	6.0	21.0	T.	7.0	2.0	11.0	.....	47.0
Cloudcroft	.....	4.0	24.5	24.5	6.5	17.0	17.0	11.0	T.	[1] 105.5
Cloverdale	.....	.....	.....	8.0	.....	6.0	0.5	T.	.....	14.5
Clovis	.....	1.0	6.5	10.0	T.	.....	T.	4.0	.....	21.5
Columbus	.....	.....	.....	8.0	.....	.....	(*)	.....	.....	.....
Corona	.....	2.0	17.5	19.0	2.5	3.5	6.0	12.0	.....	[1] 63.0
Crown Point	.....	T.	3.0	4.0	2.0	T.	14.6	0.5	.....	24.1
Crozier	.....	.....	(*)	11.0	(*)	(*)	(*)	(*)	(*)	.....
Cuervo	.....	0.5	9.0	29.5	T.	7.0	4.0	8.0	.....	58.0
Cundiyo	.....	.....	.....	24.5	0.8	11.0	2.0	2.0	.....	40.3
Dawson	.....	T.	14.0	10.0	T.	18.0	27.0	10.0	.....	79.0
Deming	.....	.....	1.5	3.0	.....	(*)	.....	.....	.....	.....
Demonstration Farm	.....	2.0	10.0	24.0	T.	7.0	46.0	10.0	T.	99.0
Des Moines	.....	T.	10.0	26.0	3.0	13.5	14.5	T.	.....	[1] 69.0
Dulce	.....	1.0	25.0	27.5	2.0	24.0	17.0	7.0	.....	103.5
Duran	.....	2.0	12.0	30.0	6.0	T.	23.0	11.0	.....	84.0
Eagle Rock Ranger Station	.....	0.5	6.0	18.9	0.8	7.8	7.5	11.0	.....	52.5
Elephant Butte Dam	.....	.....	3.3	9.8	.....	.....	T.	.....	.....	13.1
Elida	.....	T.	5.0	8.0	2.0	.....	.....	4.0	.....	15.0
Elizabethtown	.....	2.0	11.0	17.8	0.5	20.3	39.0	9.0	T.	[1] 102.8
Espanola	.....	.....	.....	15.5	.....	7.0	0.8	9.0	(*)	.....
Estancia	(*)	(*)	(*)	(*)	2.0	1.0	9.2	14.0	.....	.....
Farmington	(*)	(*)	8.0	(*)	(*)	(*)	.....	1.0	.....	.....
Felix	.....	.....	(*)	5.0	(*)	(*)	(*)	(*)	(*)	.....
Fort Bayard	.....	.....	9.0	10.0	.....	T.	(*)	2.0	(*)	.....
Fort Stanton	.....	T.	5.0	11.5	2.5	0.5	T.	7.0	(*)	.....
Fort Sumner	.....	T.	30.5	22.0	0.8	T.	T.	4.0	.....	57.3
Fort Union	.....	T.	10.5	11.0	T.	(*)	(*)	(*)	(*)	.....

[1] Includes June, 1919: Anchor Mine, 5.0; Bateman's Ranch, 2.0; Cloudcroft, 1.0; Corona, 0.5; Des Moines, 2.0; Elizabethtown, 3.2.

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
New Mexico—Continued.										
Fruitland	.....	.....	4.5	10.0	0.8	6.0	2.0	1.0	.....	24.3
Gage	.....	.....	1.5	6.0	.....	.....	.....	(*)	(*)	.....
Gallinas Planting Station	.....	T.	9.9	43.5	3.5	38.0	92.0	26.5	.....	[1] 219.4
Gallinas Ranger Station	.....	4.0	21.0	24.0	4.0	7.5	17.0	14.0	.....	91.5
Gallup	.....	T.	2.8	16.2	1.0	7.0	2.0	.....	.....	29.0
Gila Planting Station	.....	.....	12.0	22.5	0.5	5.0	(*)	T.	.....	.....
Glorieta Ranch	.....	.....	22.0	40.0	.....	.....	T.	6.0	.....	68.0
Grogan's Ranch	.....	.....	11.0	(*)	36.0	6.0	(*)	(*)	(*)	.....
Hachita	.....	.....	2.0	2.0	.....	1.5	.....	.....	.....	5.5
Harvey's Upper Ranch	.....	8.0	28.6	47.2	8.5	32.7	70.2	23.0	2.0	[1] 227.7
Hayden	.....	T.	6.5	21.0	.....	4.0	1.0	12.0	.....	44.5
Haynes	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Hermanes	.....	.....	2.0	9.0	.....	1.0	.....	.....	.....	12.0
Hermosa	.....	.....	24.0	27.0	1.0	2.0	1.0	1.0	.....	56.0
Hobbs	.....	.....	4.2	4.0	2.5	.....	.....	T.	.....	10.7
Hood Ranger Station	.....	.....	8.0	28.5	6.2	16.5	6.0	2.0	.....	67.2
Hoosier Ranch	.....	.....	6.5	15.5	T.	6.0	15.0	10.0	.....	53.0
Hope	(*)	(*)	(*)	(*)	(*)	(*)	.....	T.	.....	.....
Ione	(*)	T.	6.0	18.5	T.	3.5	T.	6.0	T.	34.0
Jal	(*)	(*)	(*)	(*)	(*)	(*)	.....	.....	.....	.....
Jemez Springs	.....	3.5	19.0	18.8	1.0	14.5	12.2	5.0	.....	74.0
Johnson's Park	(*)	(*)	6.0	(*)	0.8	T.	39.0	6.0	.....	.....
Kappus	.....	.....	10.0	18.0	.....	(*)	(*)	(*)	(*)	.....
Kingston Ranger Station	.....	.....	8.5	15.0	1.0	3.0	.....	(*)	.....	.....
Knowles	.....	.....	2.5	4.0	(*)	(*)	(*)	(*)	(*)	.....
Laguna	(*)	(*)	(*)	(*)	(*)	(*)	7.5	(*)	.....	.....
Lagunita	.....	0.5	10.5	18.0	0.5	0.5	1.8	4.0	.....	35.8
Lake Alice	.....	T.	6.5	10.1	7.0	14.0	30.5	12.5	T.	[1] 82.1
Lake Avalon	(*)	(*)	13.0	2.5	.....	.....	.....	.....	.....	.....
Lake Valley	.....	.....	8.0	18.5	0.2	1.2	T.	2.0	.....	29.9
Lakewood	.....	.....	5.0	2.4	.....	.....	.....	.....	.....	7.4
Lanark	.....	.....	3.8	2.8	.....	.....	.....	.....	.....	6.6
Las Vegas	.....	1.2	10.4	24.0	T.	6.5	33.0	9.0	.....	84.1
Logan	.....	(*)	(*)	(*)	(*)	(*)	(*)	9.0	.....	.....
Lordsburg	(*)	(*)	1.0	(*)	.....	0.5	.....	.....	.....	.....
Los Lunas (near)	.....	.....	1.0	3.0	.....	0.5	T.	.....	.....	4.5
Loving	(*)	(*)	19.5	2.0	0.2	.....	.....	.....	.....	.....
Luna	(*)	(*)	17.5	47.2	5.0	16.0	(*)	(*)	(*)	.....
Magdalena	.....	.....	14.0	12.0	T.	T.	4.0	1.0	T.	31.0
Maxwell (near)	.....	.....	2.5	8.5	.....	4.0	21.0	6.0	.....	42.0
Mayhill Ranger Station	.....	1.0	11.0	8.0	4.0	1.5	T.	T.	.....	25.5
Meek	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....	.....
Melrose	.....	3.0	8.5	14.8	0.5	1.0	0.5	.....	.....	28.3
Mescalero	.....	T.	4.0	9.3	T.	(*)	(*)	8.0	.....	.....
Miami Ranch	.....	.....	6.0	23.8	T.	14.5	30.5	7.0	.....	81.8
Mills (No. 1)	.....	.....	(*)	24.0	(*)	9.0	42.0	(*)	.....	.....
Mills (near)	.....	.....	(*)	(*)	.....	(*)	(*)	(*)	(*)	.....
Mimbres	.....	.....	8.0	20.0	.....	8.0	4.0	5.0	.....	45.0
Mineral Hill	.....	.....	13.0	25.0	2.0	11.0	42.0	8.0	.....	[1] 101.5
Mogollon Ranger Station	.....	(*)	26.0	51.0	6.0	15.0	10.0	2.0	6.0	.....
Montoya	.....	.....	6.8	35.5	0.5	3.5	T.	12.0	.....	58.3
Moriarty (near)	.....	2.5	(*)	15.5	(*)	(*)	(*)	(*)	.....	.....
Mosquero	.....	.....	8.0	24.5	.....	9.5	7.0	9.0	.....	58.0
Mountainair	(*)	(*)	(*)	(*)	3.2	5.1	14.6	12.2	.....	.....
Mountain Park	.....	2.5	9.5	10.0	0.5	4.0	7.0	9.5	.....	41.0
Nara Visa	.....	T.	8.0	15.0	.....	3.0	1.0	4.0	(*)	.....
Newman	.....	.....	1.0	4.2	0.2	T.	.....	.....	.....	5.1
Nogal (near)	.....	6.0	19.5	33.0	12.5	19.0	9.0	14.0	T.	[1] 115.0
Noria	.....	.....	5.2	1.2	.....	.....	.....	.....	.....	6.4
Oro Grande	.....	.....	2.0	1.6	.....	.....	.....	0.5	.....	4.1
Oscura (No. 1)	.....	.....	(*)	(*)	.....	.....	.....	.....	.....	.....
Oscura (No. 2)	.....	.....	12.0	3.4	.....	T.	.....	.....	.....	15.4
Palma	.....	6.0	14.0	31.0	4.0	2.0	28.0	18.0	.....	103.0
Palo Verde	.....	T.	6.0	17.7	0.2	8.2	18.0	8.0	.....	58.1
Pasamonte	.....	.....	5.0	11.0	.....	6.0	(*)	6.0	.....	.....
Pastura	.....	2.0	7.0	15.0	T.	2.0	6.0	5.0	.....	37.0

[1] Includes June, 1919: Gallinas Planting Station, 6.0; Harvey's Upper Ranch, 7.5; Lake Alice 1.5; Mineral Hill, 0.5; Nogal, 2.0.

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
New Mexico—Continued.										
Pearl (near)	.....	.....	12.0	3.5	1.0	.....	.....	T.	.....	16.5
Pecos	(*)	(*)	(*)	(*)	(*)	(*)	24.0	9.0	.....	.....
Pinon (near)	.....	T.	14.0	7.0	2.5	0.4	T.	T.	.....	23.9
Pinos Altos (near)	.....	0.5	25.5	38.5	8.5	35.0	23.0	15.0	5.0	151.0
Plainview (near)	.....	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Pleasant View	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Portales (near)	.....	1.2	7.6	10.0	2.0	T.	T.	4.0	.....	24.8
Quemado	.....	3.0	12.0	20.0	1.0	20.0	2.0	.....	(*)	.....
Raton (near)	.....	(*)	9.5	8.5	2.5	13.2	42.5	8.5	T.	.....
Red River Canyon	.....	5.0	15.0	34.0	1.0	43.0	46.0	17.0	3.0	164.0
Redrock	.....	.....	4.0	(*)	.....	.....	.....	.....	.....	.....
Regina	(*)	(*)	(*)	(*)	2.0	23.0	5.5	6.0	.....	.....
Richland (near)	.....	1.0	4.0	4.0	4.0	T.	.....	3.0	.....	16.0
Rio Grande Industrial School	.....	.....	1.5	1.3	.....	0.8	T.	0.5	.....	4.1
Rociada	.....	6.0	23.0	36.0	1.0	14.0	62.0	17.5	.....	[1] 161.0
Rodeo	.....	.....	2.0	6.0	.....	(*)	.....	.....	.....	.....
Rosedale	.....	4.0	31.0	24.0	.....	8.0	6.0	5.0	(*)	.....
Roswell (Weather Bureau)	.....	.....	12.8	8.0	T.	.....	T.	T.	.....	20.8
Roswell (No. 2)	.....	.....	12.8	7.6	T.	.....	T.	0.5	.....	20.9
Roy	.....	(*)	9.5	32.0	T.	10.5	16.2	12.0	(*)	.....
Saint Vrain (near)	.....	1.5	7.3	18.0	0.2	0.2	T.	5.0	.....	32.2
San Antone Ranger Station	.....	1.5	21.5	28.5	T.	17.0	8.5	2.0	1.0	80.0
San Jon	.....	4.0	10.0	18.0	0.5	T.	T.	13.0	.....	45.5
San Marcial	.....	.....	3.0	10.0	.....	.....	T.	.....	.....	13.0
San Mateo	.....	(*)	(*)	(*)	15.0	5.0	7.0	T.	(*)	.....
Santa Fe	.....	.....	2.8	14.4	1.7	7.6	3.9	6.0	T.	36.4
Santa Rosa	.....	.....	8.0	19.0	.....	.....	(*)	(*)	.....	.....
Schuster Springs	.....	(*)	(*)	(*)	T.	21.0	27.0	3.0	T.	.....
Senorito (near)	.....	8.0	27.0	38.0	3.0	35.0	30.0	28.0	8.0	177.0
Silver City	.....	.....	15.4	25.8	T.	7.8	3.5	2.0	T.	54.5
Skeleton Canyon Ranger Station	.....	(*)	3.8	10.5	.....	3.5	1.5	5.0	(*)	.....
Socorro	.....	.....	.....	(*)	.....	1.0	.....	.....	.....	.....
Soham	.....	0.5	10.0	19.0	3.0	4.0	42.0	6.5	.....	85.0
Solano (No. 1)	.....	.....	7.0	25.0	.....	9.0	19.5	12.0	.....	72.5
Solano (No. 2)	.....	.....	11.0	27.0	.....	10.0	15.0	9.0	(*)	.....
Springer	.....	.....	6.0	16.0	.....	11.0	27.0	8.0	.....	68.0
Stanley	.....	.....	6.0	13.0	.....	1.0	6.0	14.0	(*)	.....
Tajique (near)	.....	12.5	43.0	51.0	1.0	18.8	28.0	19.5	3.0	176.8
Taos	.....	.....	7.6	17.6	0.5	11.0	1.0	2.0	.....	39.7
Taos Canyon	.....	1.8	16.2	22.8	1.2	43.8	30.5	16.8	1.0	134.1
Taos Junction	(*)	(*)	7.8	(*)	(*)	(*)	(*)	(*)	(*)	.....
Taylor	.....	.....	10.3	14.0	.....	5.5	26.5	8.0	.....	64.3
Tecolote	.....	5.0	18.0	20.0	4.0	(*)	(*)	(*)	(*)	.....
Texico (near)	.....	0.5	6.0	10.5	2.0	1.0	.....	7.0	.....	27.0
Three Rivers	.....	.....	0.7	2.5	.....	T.	T.	T.	.....	3.2
Tijeras Canyon	.....	2.2	24.1	26.0	2.0	6.5	35.0	24.0	.....	119.8
Tohatchi	.....	.....	10.0	11.0	2.0	6.0	(*)	0.5	.....	.....
Torrence	.....	1.0	6.0	16.5	3.0	1.2	5.5	12.0	.....	45.2
Tres Piedras	.....	1.0	19.5	16.5	1.5	17.5	13.0	7.0	2.0	78.0
Truchas	.....	4.5	9.5	33.5	1.0	9.5	15.0	9.5	0.5	[1] 84.0
Trujillo (near)	.....	.....	19.0	23.0	.....	3.5	32.0	(*)	.....	.....
Tucumcari (near)	.....	1.0	5.0	26.0	1.0	3.2	(*)	10.0	.....	.....
Tucumcari (No. 2)	.....	.....	3.0	26.0	0.5	T.	(*)	10.0	.....	.....
Tularosa	.....	.....	3.0	4.2	(*)	.....	.....	.....	.....	.....
Turney's Ranch	(*)	(*)	4.0	(*)	.....	.....	.....	.....	.....	.....
Tyrone	.....	.....	2.6	25.0	T.	7.0	T.	T.	.....	34.6
Valmora	.....	0.2	10.5	16.1	0.5	6.0	30.0	8.0	.....	71.3
Vance (near)	.....	.....	6.0	18.0	1.0	7.0	1.0	5.0	.....	38.0
Vaughn	.....	4.0	11.5	30.0	3.0	1.0	12.0	8.0	.....	69.5
Vermejo Park	(*)	2.0	8.0	15.0	T.	16.0	41.0	7.0	(*)	.....
Virsylvia	.....	1.2	6.0	14.5	6.8	9.2	13.3	6.0	0.5	[1] 57.6
Wagon Mound (near)	(*)	(*)	(*)	12.0	(*)	11.0	(*)	(*)	.....	.....
Weed Ranger Station	.....	0.5	15.4	10.0	4.3	6.9	0.1	3.5	.....	[1] 41.2
White Tail	.....	3.0	21.5	13.5	5.8	6.6	5.9	7.0	(*)	.....
Willard (near)	.....	3.5	5.0	(*)	(*)	(*)	(*)	(*)	(*)	.....
Winsors Ranch	.....	.....	16.0	26.0	2.0	36.0	38.4	9.0	(*)	.....

[1] Includes June, 1919: Rociada, 1.5; Truchas, 1.0; Virsylvia, 0.1; Weed Ranger Station, 0.5.

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
New York.										
Adams Center	T.	T.	5.5	23.5	29.0	6.5	25.5	6.5	.....	96.5
Addison	.....	.....	T.	2.3	4.0	3.8	3.4	0.7	.....	14.2
Albany	.....	.....	.....	4.9	5.4	6.8	9.3	0.3	.....	26.7
Alfred	T.	T.	4.5	8.6	11.1	9.0	10.5	8.5	.....	52.2
Amsterdam	T.	.....	T.	5.7	10.0	6.0	9.5	0.1	.....	31.3
Angelica	T.	.....	0.5	5.5	7.0	3.5	8.0	2.0	.....	26.5
Appleton	.....	.....	T.	13.4	2.5	0.5	7.0	1.0	.....	24.4
Athens	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Auburn	.....	.....	T.	8.5	9.3	1.1	13.7	4.8	.....	37.4
Avon	.....	.....	T.	7.0	4.0	5.0	(*)	8.0	.....	.....
Bainbridge	.....	.....	0.3	3.9	8.6	1.8	7.8	1.0	.....	23.4
Ballston Lake	.....	.....	0.1	6.3	7.0	6.5	16.1	0.4	.....	36.4
Bedford Hills	.....	.....	T.	0.9	2.0	3.2	0.2	T.	.....	6.3
Beerston [1]	.....	(*)	0.5	7.2	12.8	3.7	6.5	1.5	.....	.....
Binghamton	.....	.....	0.2	4.4	5.5	2.0	6.2	0.9	.....	19.2
Bolivar	.....	.....	T.	10.5	8.5	4.5	4.5	(*)	.....	.....
Brockport	.....	.....	0.5	13.0	8.0	8.0	4.5	4.0	.....	38.0
Buffalo	.....	.....	T.	5.8	7.8	7.6	1.0	2.8	.....	25.0
Canisius College	.....	.....	.....	(*)	(*)	(*)	(*)	4.0	.....	.....
Canton	.....	.....	3.8	17.8	10.9	7.0	14.6	2.1	.....	56.2
Cape Vincent	.....	.....	(*)	(*)	(*)	(*)	(*)	(*)	.....	.....
Carmel	.....	.....	.....	4.5	3.2	6.0	5.0	0.8	.....	19.5
Cazenovia	.....	.....	3.5	19.5	22.5	14.0	15.5	14.5	.....	89.5
Chatham	.....	.....	T.	4.0	11.0	8.5	18.5	0.5	.....	42.5
Chazy	.....	.....	T.	(*)	6.0	5.0	17.0	.....	.....	.....
Cooperstown	.....	.....	.....	7.3	9.5	4.0	9.5	2.0	.....	32.3
Corinth	.....	.....	.....	11.0	9.0	18.0	7.0	(*)	.....	.....
Cortland	.....	.....	0.8	6.7	17.2	4.9	6.5	3.5	.....	39.6
Cutchogue	.....	.....	.....	1.0	2.5	4.5	2.5	T.	.....	10.5
Dannemora	T.	.....	2.0	25.0	20.7	16.7	34.0	3.0	T.	101.4
Dansville	.....	.....	T.	5.3	8.0	4.0	6.0	4.5	.....	27.8
De Ruyter	.....	.....	1.0	11.3	11.1	4.3	12.5	4.1	.....	44.3
Elba	T.	.....	(*)	(*)	(*)	(*)	(*)	(*)	.....	.....
Elmira	.....	.....	T.	3.5	5.2	5.3	8.4	1.0	.....	23.4
Farmingdale	.....	.....	.....	(*)	(*)	(*)	(*)	(*)	(*)	.....
Fayetteville	.....	.....	T.	12.3	(*)	2.3	9.5	1.5	.....	.....
Fishs Eddy	.....	T.	(*)	2.0	12.0	15.0	8.0	T.	.....	.....
Flushing	.....	.....	.....	T.	0.8	0.8	2.7	T.	.....	4.3
Fredonia	.....	.....	2.1	9.7	13.6	8.9	3.2	3.4	.....	40.9
Gabriels	T.	T.	7.8	16.8	20.7	22.2	31.5	1.4	.....	100.4
Geneva	.....	.....	T.	9.0	4.0	4.0	13.0	3.0	.....	33.0
Glens Falls (No. 1)	.....	.....	T.	13.0	9.5	16.5	7.0	T.	.....	46.0
Glens Falls (No. 2)	.....	.....	.....	10.5	8.5	17.0	(*)	T.	.....	.....
Gloversville	.....	.....	T.	9.5	12.0	21.0	9.0	2.0	.....	53.5
Greenfield Center	.....	.....	.....	12.5	12.0	15.6	11.0	2.0	.....	53.1
Harkness	.....	.....	T.	17.0	6.0	6.2	16.5	T.	.....	45.7
Haskinville	.....	.....	T.	9.5	7.6	11.1	(*)	2.7	.....	.....
Hemlock	.....	.....	.....	4.5	8.7	7.0	5.0	1.5	.....	26.7
Homestead Sanatorium	.....	.....	0.5	21.7	10.3	14.4	12.8	0.5	.....	60.2
Hoosick Falls	.....	.....	T.	10.5	18.0	(*)	(*)	0.5	.....	.....
Hunt	.....	.....	T.	4.0	6.0	5.0	7.0	3.0	.....	25.0
Indian Lake	.....	.....	(*)	12.0	7.8	3.2	12.8	(*)	.....	.....
Ithaca	.....	.....	0.6	6.1	7.4	1.7	8.5	0.8	.....	25.1
Jeffersonville	.....	.....	T.	5.0	6.0	5.0	5.0	2.0	.....	23.0
Keene Valley	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Lake George	.....	.....	T.	8.1	7.2	18.5	14.2	T.	.....	48.0
Lake Grove	.....	.....	.....	T.	(*)	T.	T.	.....	.....	.....
Lake Placid Club	T.	0.2	6.1	13.8	13.9	18.8	40.6	2.1	.....	95.5
Lauterbrunnen	T.	.....	1.0	8.0	(*)	8.0	13.4	4.5	.....	.....
Liberty	(*)	(*)	(*)	(*)	(*)	(*)	(*)	T.	(*)	.....
Little Falls	.....	.....	.....	13.5	8.5	8.5	4.5	.....	.....	35.0
Lockport	.....	.....	T.	7.3	3.5	6.5	2.0	2.0	.....	21.3
Lowville	.....	(*)	6.0	(*)	12.8	4.8	15.3	3.5	.....	.....
Mechanicsville	.....	.....	.....	9.5	6.0	8.0	7.5	1.0	.....	32.0
Medford	.....	.....	.....	T.	1.0	0.6	2.8	T.	.....	4.4
Mohonk Lake	.....	.....	.....	3.0	10.5	7.5	1.3	.....	.....	22.3
Moira	.....	T.	5.0	15.0	32.5	13.0	48.0	5.0	.....	118.5
Morrisville	.....	.....	.....	11.0	19.0	5.0	12.0	5.0	.....	52.0

[1] Station moved to Walton in October, 1918.

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
New York—Continued.										
Mount Hope				2.0	2.0	1.5	2.0	T.		7.5
Mount McGregor			1.0	13.0	8.8	12.3	9.1	1.0		45.2
Mount Vernon				0.3	0.4	1.0	2.7	T.		4.4
Newark Valley			T.	5.5	5.5	3.0	6.5	(*)		
New Berlin			0.5	15.1	9.2	3.1	31.2	1.3		60.4
New Lisbon			T.	6.0	10.0	5.0	7.0	2.0		30.0
New York City				0.4	0.3	0.7	1.9	0.8		4.1
North Lake	1.0	T.	10.5	26.0	25.0	42.5	(*)	4.0	T.	
Northville				16.5	12.5	20.0	4.0	T.		53.0
Norwich			T.	11.0	11.5	4.0	9.5	2.5		38.5
Ogdensburg			T.	(*)	8.9	11.9	22.5	T.		
Olean			T.	11.5	8.0	4.5	6.0	1.0		31.0
Oneonta			T.	4.5	11.5	(*)	12.0	2.0		
Oswego			1.5	11.4	15.8	12.2	7.5	1.1		49.5
Palermo		T.	3.0	14.4	41.0	17.6	7.8	2.4		86.2
Penn Yan			0.2	6.2	5.0	2.2	9.8	1.3		24.7
Perrysburg			3.2	23.8	17.5	17.4	7.7	3.0		72.6
Philadelphia		T.	T.	24.0	11.0	2.0	28.0	3.0		68.0
Port Jervis (No. 1)			T.	1.9	6.6	4.5	3.0	1.0		17.0
Port Jervis (No. 2)				3.0	7.0	3.0	1.0	0.5		14.5
Raquette Lake	T.	T.	7.7	20.1	25.7	22.4	30.7	6.0		112.6
Rhinebeck			T.	5.8	7.3	6.5	7.3			26.9
Rochester			0.4	11.9	6.8	7.2	5.5	4.2		36.0
Rome				(*)	(*)	(*)	(*)	(*)	(*)	
Romulus			0.5	5.0	(*)	4.0	11.0	1.5		
Roslyn				T.	1.0	0.5	1.8	T.		3.3
Roxbury			1.5	13.7	13.5	5.5	14.0	2.0	T.	50.2
Salisbury			1.9	14.0	14.0	16.0	9.0	2.0		56.9
Scarsdale				0.2	0.2	1.2	6.0	T.		7.6
Setauket				0.3	1.3	1.0	1.5	T.		4.1
Sharon Springs (No. 1)			0.5	5.0	11.0	5.0	6.0	1.0		28.5
Sharon Springs (No. 2)			0.2	14.0	11.0	10.0	4.0	T.		39.2
Sherburne			0.7	13.1	14.5	4.2	5.9	1.6		40.0
Shortsville				6.9	T.	6.8	2.3	3.3		19.3
Skaneateles			0.5	15.0	11.0	(*)	15.0	5.5		
Southampton			(*)	(*)	(*)	(*)	(*)	(*)	(*)	
Spier Falls			T.	12.9	11.2	12.9	8.6	T.		45.6
Syracuse			0.7	10.6	19.0	6.8	17.6	9.7		64.4
Trenton Falls			0.8	16.5	18.0	(*)	(*)	2.0		
Tribes Hill				4.5	7.5	3.0	7.0	1.0		23.0
Troy		(*)	(*)	(*)	(*)	(*)	(*)	(*)		
Utica	(*)	(*)	(*)	11.1	17.3	4.3	10.1	(*)		
Volusia			8.0	20.0	29.0	20.0	6.0	3.0		86.0
Wanakena			9.2	13.3	26.4	14.0	29.5	6.0		98.4
Wappingers Falls			T.	7.2	12.5	9.0	6.0	T.		34.7
Warwick				1.0	5.0	5.0	T.	T.		11.0
Watertown			1.0	19.0	13.0	0.5	20.0	4.0		57.5
Wedgewood			T.	7.3	6.5	7.0	10.0	5.0		35.8
West Berne			T.	6.5	6.0	3.0	14.0	1.0		30.5
Westfield				7.0	11.0	10.0	2.0	3.0		33.0
West Point				2.2	2.0	4.0	1.0	T.		9.2
York			T.	12.5	7.0	12.2	4.8	2.0		38.5
North Carolina.										
Albemarle			T.	T.		1.0				1.0
Altapass			T.	0.5	(*)	5.0				
Andrews			(*)	(*)	(*)	(*)				
Asheville			0.1	2.1	2.2	2.3	T.			6.7
Banners Elk				8.5	9.0	14.0				31.5
Beaufort						3.8				3.8
Belhaven					8.0	5.0				13.0
Brevard				0.8	2.0	4.5				7.3
Brewers				T.	0.5	4.0				4.5
Bryson City				T.	4.3	3.0				7.3
Caroleen				0.6		T.				0.6
Chapel Hill						3.0				3.0
Charlotte				0.3	T.	3.7				4.0
Chimney Rock				0.4	1.0	3.5				4.9
Cullowhee			T.	0.7	1.7	2.5	T.			4.9
Durham				T.		2.0				2.0

Monthly and seasonal snowfall, 1918-19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
North Carolina—Continued.										
Eagletown				T.	T.	T.				T.
Edenton					6.0	1.0				7.0
Elizabeth City					7.0	0.5				7.5
Elizabethtown						2.5				2.5
Elkin				0.5		2.0				2.5
Ellijay			T.	0.2	0.7	2.5				3.4
Enfield						(*)				
Fayetteville			T.	T.		2.0				2.0
Goldsboro				T.		2.5				2.5
Gorge				0.4	1.1	4.8				6.3
Graham						2.0				2.0
Greensboro					T.	2.5				2.5
Greenville					T.	2.0				2.0
Hatteras					T.	T.				T.
Henderson						T.				T.
Hendersonville				T.	(*)	T.	T.			
Hickory				T.		1.5				1.5
Highlands		T.	T.	3.0	1.5	3.0		T.		7.5
Hot Springs				6.0	9.0	6.0				21.0
Jefferson			T.	2.5	1.5	4.2	T.	T.		8.2
Kinston					(*)	2.5				
Lenoir				T.	0.3	1.0				1.3
Lillington						5.0				5.0
Lincolnton				0.5	T.	2.0				2.5
Louisburg				0.5		3.0				3.5
Lumberton				T.		2.0				2.0
Manteo										0.0
Marion			T.	0.1	1.5	2.4				4.0
Marshall				0.7	2.0	2.0				4.7
Moncure				T.		3.0				3.0
Monroe						4.0				4.0
Montreat			T.	0.6	1.7	3.1	T.			5.4
Morganton			T.	1.8	T.	4.4				6.2
Mount Airy						2.3				2.3
Mount Holly				3.0		4.0				7.0
Murphy				T.	1.4	0.5				1.9
Nashville			T.	T.	T.	T.				T.
Newbern				T.	7.5	6.0				13.5
New Holland					3.0	2.0				5.0
Neuse						0.5				0.5
Parker			1.0	15.0	8.1	9.6	1.5	0.5		35.7
Pinehurst				T.	(*)	7.0				
Raleigh (No. 1)				T.		3.0				3.0
Raleigh (No. 2)				(*)		3.0				
Randleman						3.5				3.5
Reidsville				T.	T.	4.0				4.0
Rock House (No. 1)			0.3	1.5	0.7	2.5				5.0
Rock House (No. 2)			0.3	1.5	0.7	1.5				4.0
Rocky Mount (No. 1)						0.5				0.5
Rocky Mount (No. 2)					T.	2.0				2.0
Rougemont						1.5				1.5
Salisbury			T.	T.		3.4				3.4
Sanatorium			T.	0.4	(*)	4.0				
Scotland Neck						T.				T.
Settle				T.		0.5				0.5
Siler City				T.		1.5				1.5
Sloan					T.	4.0				4.0
Smithfield				T.	T.	3.0				3.0
Southern Pines						7.0				7.0
Southport					T.	T.				T.
Statesville (No. 1)				T.	T.	0.8				0.8
Statesville (No. 2)				(*)	T.	1.5				
Tarboro						1.0				1.0
Tryon				0.5	T.	2.0				2.5
Waynesville			(*)	3.5	2.0	(*)	(*)			
Weldon					T.	T.				T.
Wenona					7.5	3.9				11.4
Wilmington				T.	T.	1.2				1.2
Wilson						2.6				2.6
Winston-Salem				T.		1.0				1.0

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
North Dakota.										
Amenia	.....	.....	1.0	(*)	3.8	14.0	2.0	7.0	.....	.....
Ashley	.....	.....	11.0	9.0	2.0	14.0	4.0	12.0	.....	52.0
Beach	.....	(*)	4.0	2.2	1.7	3.5	12.5	(*)	(*)	.....
Berthold Agency	.....	T.	1.7	5.2	T.	0.5	4.0	5.0	.....	16.4
Bierman	.....	4.2	3.7	10.8	1.5	0.5	7.2	9.0	.....	36.9
Bismarck	.....	T.	3.5	16.0	0.9	8.3	7.4	12.7	0.5	49.3
Bottineau	.....	.....	5.1	(*)	(*)	(*)	(*)	(*)	(*)	.....
Bowman	.....	0.1	2.6	4.0	1.2	4.2	6.0	4.0	T.	22.1
Carson	.....	0.2	3.0	12.5	1.0	6.5	2.5	10.0	2.5	38.2
Colgate	.....	.....	3.0	5.0	6.0	5.5	8.0	9.0	.....	36.5
Cooperstown	.....	.....	3.0	17.0	T.	2.0	3.0	6.0	.....	31.0
Crosby	.....	.....	4.0	7.0	1.5	5.0	4.5	3.0	.....	25.0
Devils Lake	.....	2.0	8.9	11.4	2.9	9.6	6.3	3.6	T.	44.7
Dickinson	.....	4.6	1.0	3.5	T.	8.8	(*)	(*)	(*)	.....
Donnybrook	.....	.....	0.8	6.8	T.	5.0	4.0	.....	.....	16.6
Dunn Center	.....	(*)	1.2	5.5	1.0	5.2	4.5	6.5	.....	.....
Dunseith	T.	T.	8.0	(*)	3.5	5.2	7.0	T.	T.	.....
Eckman	.....	T.	4.0	10.0	T.	4.0	6.0	2.0	.....	26.0
Ellendale	.....	T.	10.3	6.7	0.6	10.7	0.3	10.1	T.	38.7
Epping	.....	.....	6.0	9.0	2.0	5.0	11.0	3.0	.....	36.0
Fessenden	.....	1.0	13.0	13.5	2.5	9.5	4.0	3.0	1.0	47.5
Forman	.....	.....	3.7	17.5	1.0	16.5	2.0	2.0	.....	42.7
Fryburg	.....	3.5	5.0	6.5	1.0	7.0	6.5	8.5	4.0	42.0
Fullerton	.....	.....	12.6	13.0	1.5	19.0	.....	13.5	.....	59.6
Garrison	.....	T.	1.5	3.7	0.5	13.5	6.2	2.0	.....	27.4
Grafton	.....	1.0	(*)	11.2	2.3	4.0	2.5	5.3	.....	.....
Grand Forks	.....	1.0	5.7	27.6	5.2	5.0	1.2	8.1	.....	53.8
Grand Rapids	.....	.....	6.0	8.0	0.8	12.0	.....	4.0	.....	30.8
Granville	.....	T.	9.0	16.0	(*)	13.0	15.0	0.2	.....	.....
Hannah	.....	3.0	7.0	11.0	T.	6.0	9.0	4.0	.....	40.0
Hansboro	.....	2.0	6.0	7.2	5.7	3.0	10.0	0.2	.....	34.1
Hettinger	.....	T.	T.	3.0	T.	(*)	(*)	8.0	.....	.....
Hillsboro	.....	.....	T.	11.5	2.5	4.2	3.0	8.5	.....	29.7
Howard	.....	T.	7.2	16.4	T.	12.7	12.6	(*)	4.1	.....
Jamestown	.....	.....	7.5	15.5	5.5	10.5	5.0	10.0	.....	54.0
Lakota	.....	1.0	13.0	14.5	8.5	10.0	1.0	9.0	.....	57.0
Lamoine	.....	0.5	4.0	11.0	1.0	12.0	6.0	8.0	.....	42.5
Langdon	.....	T.	6.0	10.5	2.5	9.0	10.0	3.0	.....	41.0
Larimore	.....	2.0	3.0	11.2	3.2	6.1	1.0	15.0	.....	41.5
Lisbon	.....	.....	4.5	0.5	.....	12.0	2.0	6.0	.....	25.0
McClusky	.....	1.5	7.0	16.0	.....	4.5	3.5	6.0	.....	38.5
McHenry	T.	3.0	12.0	19.0	1.5	2.4	13.0	9.0	T.	59.9
McKinney	.....	1.0	1.0	11.5	1.0	2.0	11.0	4.0	.....	31.5
McLeod	.....	.....	0.8	9.0	3.0	9.0	3.0	1.5	.....	26.3
Mandan	.....	(*)	2.8	(*)	1.0	7.0	5.2	(*)	T.	.....
Manfred	.....	1.5	18.0	11.2	1.0	7.5	5.2	2.0	.....	46.4
Marmarth	.....	1.7	5.0	8.3	1.2	7.5	3.8	4.0	T.	31.5
Marstonmoor	.....	1.5	13.0	(*)	(*)	(*)	(*)	(*)	(*)	.....
Melville	.....	4.0	8.0	18.0	.....	13.0	4.0	10.0	T.	57.0
Milnor	.....	.....	3.5	7.2	T.	6.0	(*)	(*)	(*)	.....
Minot	.....	0.2	12.2	15.0	2.2	8.0	16.2	2.0	.....	55.8
Minto	.....	(*)	2.5	(*)	(*)	(*)	(*)	(*)	.....	.....
Mott	.....	1.0	2.8	3.5	5.0	7.5	7.0	7.5	.....	34.3
Napoleon	.....	1.0	6.0	5.0	0.5	10.0	7.0	8.0	6.0	43.5
New England	.....	1.5	(*)	1.2	0.2	(*)	(*)	10.0	T.	.....
New Salem	.....	0.8	.....	17.0	T.	7.0	6.0	15.0	8.0	53.8
Orange	.....	.....	.....	10.0	.....	5.0	6.0	(*)	.....	.....
Park River	T.	2.0	3.0	7.6	1.5	(*)	(*)	5.5	.....	.....
Parshall	(*)	(*)	(*)	(*)	.....	7.0	2.0	(*)	.....	.....
Pembina	.....	.....	7.5	1.5	2.5	0.2	11.8	(*)	.....	.....
Pettibone	(*)	(*)	(*)	(*)	(*)	(*)	(*)	12.0	4.0	.....
Power	(*)	(*)	(*)	7.5	4.5	8.5	(*)	3.5	T.	.....
Powers Lake	.....	.....	4.0	13.0	2.0	5.0	8.5	4.0	.....	36.5
Selfridge	(*)	(*)	(*)	6.3	2.0	9.0	8.0	10.0	.....	.....
Sherwood	(*)	(*)	(*)	(*)	(*)	(*)	(*)	10.0	.....	.....
Steele	T.	1.5	7.5	13.5	4.0	10.8	4.0	12.0	6.0	59.3
Towner	.....	T.	8.0	10.5	4.0	8.0	9.0	2.0	.....	41.5
Valley City	(*)	(*)	(*)	(*)	(*)	10.0	(*)	(*)	.....	.....

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
North Dakota—Continued.										
Wahpeton	.....	.....	(*)	4.0	4.0	4.0	2.0	.....	.....	.....
Walhalla	.....	2.0	1.5	15.0	5.0	2.5	8.0	9.0	.....	43.0
Westhope	.....	T.	(*)	(*)	T.	T.	5.0	(*)	.....	.....
Williston	.....	0.2	2.3	6.6	0.6	5.5	7.0	2.4	T.	24.6
Willow City	T.	T.	13.0	6.0	5.0	10.0	18.0	1.0	.....	53.0
Zap	.....	0.8	1.3	7.8	T.	6.4	5.4	6.5	T.	28.2
Ohio.										
Akron	.....	.....	0.3	1.2	2.8	4.5	1.7	0.3	.....	10.8
Amesville	.....	.....	T.	1.5	2.0	2.0	0.5	T.	.....	6.0
Ashland	.....	.....	T.	1.1	1.0	1.0	2.0	T.	.....	5.1
Bangorville	.....	.....	T.	0.8	1.8	3.0	0.5	T.	.....	6.1
Batavia	.....	.....	.....	2.5	1.0	2.0	T.	.....	.....	5.5
Bellefontaine	.....	.....	0.5	1.5	1.1	1.2	1.4	T.	.....	5.7
Benton Ridge	.....	.....	T.	1.0	0.3	2.3	0.5	T.	.....	4.1
Beverly	.....	.....	.....	0.1	1.5	0.2	T.	.....	.....	1.8
Bowling Green	.....	.....	.....	1.0	0.3	1.0	5.5	.....	.....	7.8
Brilliant	.....	.....	.....	1.0	4.0	2.0	3.0	T.	.....	10.0
Bucyrus	.....	.....	.....	T.	2.0	2.0	T.	T.	.....	4.0
Cadiz	.....	.....	T.	6.4	5.6	5.0	4.6	T.	.....	21.6
Cambridge	.....	.....	.....	T.	1.0	T.	T.	T.	.....	1.0
Canfield	.....	.....	0.2	2.5	5.0	4.5	0.5	.....	.....	12.7
Canton	.....	.....	.....	1.3	1.6	3.3	2.2	0.5	.....	8.9
Catawba Island	.....	.....	.....	0.5	T.	2.0	4.4	T.	.....	6.9
Chillicothe	.....	.....	.....	0.7	0.8	1.0	T.	.....	.....	2.5
Cincinnati	.....	.....	T.	1.0	0.2	0.4	T.	T.	.....	1.6
Circleville	.....	.....	.....	T.	T.	T.	.....	.....	.....	T.
Clarington	.....	.....	T.	2.1	4.0	1.4	1.9	0.5	.....	9.9
Cleveland (Weather Bureau)	.....	.....	0.4	1.6	1.3	4.3	1.2	T.	.....	8.8
Cleveland (St. Ignatius)	.....	.....	T.	1.4	2.0	4.3	1.5	T.	.....	9.2
Columbus	.....	.....	T.	0.8	0.4	1.8	0.2	T.	.....	3.2
Coshocton	.....	.....	.....	1.0	0.9	2.1	1.5	.....	.....	5.5
Dam No. 28	.....	.....	.....	1.0	4.0	0.5	.....	.....	.....	5.5
Danbury	.....	.....	T.	0.5	T.	2.7	4.4	T.	.....	7.6
Dayton (Weather Bureau)	.....	.....	.....	0.9	0.7	1.4	0.1	.....	.....	3.1
Dayton (Boyer)	.....	.....	.....	1.4	0.7	1.6	0.1	.....	.....	3.8
Delaware	.....	.....	.....	1.0	T.	0.7	.....	.....	.....	1.7
Demos	.....	.....	T.	1.7	3.7	2.9	3.9	0.1	.....	12.3
Dennison	.....	.....	0.2	2.3	2.0	2.4	4.9	T.	.....	11.8
Dover	.....	.....	.....	1.5	1.0	1.5	3.0	.....	.....	7.0
Eaton	.....	.....	.....	0.3	1.3	0.1	.....	.....	.....	1.7
Fernbank	.....	.....	.....	1.5	(*)	(*)	.....	.....	.....	.....
Findlay	.....	.....	T.	1.0	T.	2.0	T.	T.	.....	3.0
Frankfort	.....	.....	T.	T.	.....	0.5	T.	.....	.....	0.5
Fremont	.....	T.	T.	0.5	T.	1.3	3.0	T.	.....	4.8
Gambier	.....	.....	T.	T.	T.	0.2	.....	.....	.....	0.2
Geneva	.....	.....	T.	3.8	6.6	2.0	(*)	.....	.....	.....
Germantown	.....	.....	.....	1.2	0.2	0.8	.....	.....	.....	2.2
Granville	.....	.....	T.	0.3	1.0	2.3	T.	T.	.....	3.6
Green	.....	.....	.....	1.5	1.3	0.5	T.	.....	.....	3.3
Greenfield	.....	.....	.....	T.	T.	T.	T.	.....	.....	T.
Green Hill	.....	.....	T.	1.6	2.4	5.0	3.0	T.	.....	12.0
Greenville	.....	.....	.....	0.5	T.	1.0	T.	.....	.....	1.5
Hamilton	.....	.....	.....	1.5	T.	T.	.....	.....	.....	1.5
Haydenville	.....	.....	T.	1.0	3.1	0.5	0.5	.....	.....	5.1
Hillhouse	.....	.....	0.2	1.2	2.5	9.2	1.0	T.	.....	14.1
Hillsboro	.....	.....	.....	1.1	(*)	(*)	.....	.....	.....	.....
Hiram	.....	.....	T.	7.0	7.5	13.0	2.5	1.0	.....	31.0
Hudson	.....	.....	2.0	(*)	1.0	8.0	T.	0.5	.....	.....
Ironton	.....	.....	.....	1.3	2.3	T.	T.	.....	.....	3.6
Jackson	.....	.....	.....	1.0	1.0	(*)	.....	.....	.....	.....
Kenton	.....	.....	.....	1.5	1.0	2.0	T.	T.	.....	4.5
Killbuck	.....	.....	.....	(*)	0.2	4.2	(*)	.....	.....	.....
King's Mills	.....	.....	.....	1.0	(*)	T.	.....	.....	.....	.....
Lancaster	.....	.....	.....	1.1	0.5	(*)	T.	.....	.....	.....
Larue	.....	.....	.....	1.5	0.5	1.5	T.	T.	.....	3.5
Lima	.....	.....	T.	T.	T.	2.0	T.	.....	.....	2.0
London	.....	.....	T.	(*)	T.	T.	.....	.....	.....	.....
McArthur	.....	.....	T.	T.	1.0	1.5	T.	.....	.....	2.5
McConnelsville	.....	.....	.....	0.8	2.0	2.5	0.5	T.	.....	5.8

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Ohio—Continued.										
Mansfield				0.7	T.	2.0	2.5	T.		5.2
Marietta (No. 1)				0.4	1.5	0.5	0.1			2.5
Marietta (No. 2)				2.3	3.0	1.0	T.			6.3
Marietta Experiment Farm			T.	T.	2.5	0.5	T.	T.		3.0
Marion			T.	1.0	0.5	2.0	T.			3.5
Marysville			T.	T.	T.	2.0	T.	T.		2.0
Medina				1.0	2.0	4.0	1.0	T.		8.0
Milfordton				1.4	1.0	4.0	T.	T.		6.4
Millersburg				(*)	(*)	1.5	3.5	T.		
Milligan			(*)	(*)	1.4	2.9				
Millport			T.	0.8	4.4	2.7	0.1	T.		8.0
Milton Dam			T.	2.5	2.9	1.9	0.8	0.8		8.9
Montpelier			T.	2.5	1.0	4.4	6.0	T.		13.9
Mount Healthy				1.0	(*)	(*)				
Mulberry			T.	2.0	1.3	3.2	0.3	T.		6.8
Napoleon				0.5	0.3	2.2	3.5	T.		6.5
New Bremen			T.	0.2	T.	1.0	1.0			2.2
New Carlisle				0.8	0.5	1.3	T.	T.		2.6
North Royalton			2.0	6.5	5.0	7.5	2.0			23.0
Norwalk			T.	1.0	T.	3.5	6.5			11.0
Oberlin			T.	2.0	1.0	2.4	4.0	T.		9.4
Ohio State University				0.2	T.	1.5	T.	T.		1.7
Ottawa			T.	0.5	T.	1.5	3.0	T.		5.0
Pataskala			0.1	1.6	1.8	3.0	0.7	0.2		7.4
Paulding				0.2	(*)	0.9	1.6			
Peebles				0.8	0.5	0.5	T.			1.8
Philo (No. 1)			T.	3.1	2.0	2.9	0.2	T.		8.2
Philo (No. 2)			T.	1.2	1.6	1.5	0.5	T.		4.8
Piqua				1.4	0.3	1.4	T.			3.1
Portsmouth (No. 1)				T.	T.	T.	T.			T.
Portsmouth (No. 2)				T.	T.	T.	T.			T.
Prospect				0.2	1.0	1.0				2.2
Put-in-Bay				0.3	T.	1.2	3.0	T.		4.5
Roxabell				(*)	T.	1.0	T.			
Saint Paris			T.	T.	1.3	1.7	T.			3.0
Sandusky			T.	0.8	0.7	1.9	4.2	T.		7.6
Sidney				T.	T.	0.8	T.			0.8
Somerset				2.5	3.0	4.5	1.0			1.1
Springfield (No. 1)				(*)	0.5	(*)	(*)			
Summerfield	T.		T.	1.4	3.0	3.3	5.5	T.		13.2
Tadmor				(*)	(*)	0.5				
Tiffin			T.	1.5	1.0	2.0	1.0	T.		5.5
Toboso				0.2	(*)	1.4	T.	T.		
Toledo			T.	0.5	0.5	2.2	9.0	T.		12.2
Upper Sandusky		T.	(*)	1.0	1.0	5.0	0.5			
Urbana		T.	0.5	2.0	2.5	1.5	T.			6.5
Valley Crossing			T.	0.6	0.6	2.2	0.3			3.7
Versailles			T.	0.4	0.1	1.2	1.0			2.7
Vickery				0.2	T.	1.3	3.1			4.6
Walhonding				1.0	T.	4.0	1.0	T.		6.0
Wapakoneta		T.	T.	0.7	0.2	2.8	0.5	T.		4.2
Warren (No. 1)			0.3	2.6	3.5	6.0	2.4	1.4		16.2
Warren (No. 2)			(*)	(*)	1.0	(*)	(*)	1.0		
Washington Courthouse			T.	0.4	0.4	0.5	T.			1.3
Wauseon			T.	1.0	T.	2.0	5.1	T.		8.1
Waverly			T.	T.	0.8	0.5	T.			1.3
Waynesville				1.0	0.5	0.5				2.0
West Milton				0.5	T.	1.5				2.0
Wickliffe		T.	T.	0.9	0.4	3.0	0.5	T.		4.8
Wilmington			T.	1.5	1.5	(*)	T.	T.		
Wooster (No. 1)			T.	1.2	0.5	4.0	4.4	T.		10.1
Wooster (No. 2)				1.5	(*)	2.5	(*)			
Xenia			(*)	1.6	0.8	(*)				
Youngstown				0.7	1.2	2.2	(*)	T.		
Zanesville				1.5	1.0	2.2	0.8			5.5
Oklahoma.										
Ada			0.3			1.0				1.3
Altus		T.	5.5	12.0		T.	3.8			21.3
Alva			2.0	15.0		8.0	2.0	T.		27.0

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Oklahoma—Continued.										
Antlers			T.		T.	T.				T.
Apache		T.	3.5	4.5	T.	1.0	2.0			11.0
Arapahoe		1.0	6.5	8.5		1.0	5.0			22.0
Ardmore			3.0		1.0	T.				4.0
Arnett		T.	4.5	12.0	T.	2.0	1.3	T.		19.8
Bacone	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	
Bartlesville			2.0	8.0		2.5				12.5
Beaver		3.0	3.0	19.5		6.0		1.7		33.2
Billings			T.	14.0	T.	2.5	T.			16.5
Blackwell			2.6	14.0		6.0				22.6
Bristow			T.	T.	T.	T.	T.	T.		T.
Broken Arrow				T.	T.	3.0	T.		(*)	
Broken Bow			T.	(*)						
Buffalo		T.	2.5	14.0	T.	9.0	1.0	T.		26.5
Calvin			T.		0.9					0.9
Camargo		T.	(*)	(*)	(*)	(*)	0.5	T.		
Canton		T.		15.5		10.0	2.5			28.0
Carnegie		T	4.0	8.0		T.	1.0			13.0
Chandler			T.	T.		T.	T.			T.
Chattanooga			2.5	2.5		T.	T.			5.0
Cherokee			1.0	13.5		8.0	2.5			25.0
Chickasha		T.	2.5	3.0		(*)	(*)	(*)	(*)	
Claremore			1.0	0.5	0.1	5.5	T.			7.1
Cleveland			T.	7.0		3.5				10.5
Cloud Chief			3.5	7.3		0.2	4.0			15.0
Durant			T.			T.				T.
Eldorado		1.0	(*)	(*)	(*)	(*)	(*)	(*)	(*)	
Enid			3.5	16.0		7.3				26.8
Erick		T.	3.7	10.0		1.5	3.5			18.7
Eufaula			T.		1.0	1.8				2.8
Fort Gibson				T.	0.4	5.6				6.0
Fort Reno		0.5	3.0	14.0	2.0	1.0	1.0			21.5
Frederick			5.0	2.0	0.6					7.6
Geary		0.5	2.5	15.0	0.5	0.8	7.0	T.		26.3
Goodwell		1.0	7.0	28.0	1.0	8.5	3.0	10.0		58.5
Guthrie			2.0	14.0	(*)	(*)	(*)	(*)	(*)	
Hammon		1.2	8.0	15.0		1.2	2.5	T.		27.9
Healdton			T.		T.	2.0				2.0
Hennessey		(*)	(*)	(*)	(*)	(*)	(*)	(*)		
Hobart		T.	5.0	6.0		T.				11.0
Holdenville			1.0	T.	0.3	0.5				1.8
Hooker			4.5	14.0	T.	10.0	3.0	5.0		36.5
Hugo			T.	T.						T.
Hurley		T.	15.0	30.0	3.0	10.0	5.0	16.0		79.0
Jefferson			2.0	14.0	(*)	(*)	(*)			
Kenton			6.1	19.7	1.1	5.6	1.8	10.0		44.3
Kingfisher		T.	0.9	10.5		0.2	T.			11.6
Lawton			2.0	T.		T.	T.			2.0
Lawtonka Lake			4.0	2.1						6.1
Mangum			4.0	(*)	(*)	0.2				
Marlow			3.7	0.2		1.5				5.4
McAlester			T.	T.	0.4	T.				0.4
Meeker			T.	1.0						1.0
Miami			1.0	4.0	0.5	4.0	(*)			
Muskogee			0.3	0.8		3.5				4.6
Mutual			1.5	13.0		3.0				17.5
Newkirk			1.0	18.0	T.	8.0	T.			27.0
Norman				4.8		T.	T.			4.8
North Muskogee			T.	T.	0.3	1.8				2.1
Oakwood			3.2	9.0		6.7	3.2			22.1
Okeene		T.	1.8	12.0		1.5	5.2			20.5
Okemah			T.	(*)	(*)	1.5				
Oklahoma			2.3	6.6	0.2	1.2	2.5			12.8
Okmulgee			T.	T.	T.	1.5				1.5
Pauls Valley			1.0	0.2	0.1	0.8				2.1
Pawhuska			0.5	12.0		4.0				16.5
Perry			2.0	9.0		(*)		(*)	(*)	
Poteau			T.	T.	T.	T.				T.
Rankin		2.0	5.0	9.0		T.	3.0	T.		19.0

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Oklahoma—Continued.										
Ravia			2.0			1.0				3.0
Reno Junction		(*)	(*)	(*)	(*)	(*)	(*)			
Sac and Fox Agency			T.	T.		T.				T.
Sallisaw				0.2	2.0	T.				2.2
Shawnee			0.9	0.2		T.				1.1
Snyder			3.0	2.0		(*)	(*)			
Stillwater			T.	7.0	T.	2.5				9.5
Sulphur			T.		T.	T.				T.
Tamaha				T.	(*)	1.3				
Tahlequah						3.3	T.			3.3
Tulsa			1.2	0.5	2.0	10.0	T.			13.7
Tuskahoma			T.		0.7	T.				0.7
Union City		T.		(*)	(*)	(*)				
Vinita			1.0	5.0		4.0	T.			10.0
Wagoner	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)		
Walter	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)		
Waukomis			2.0	14.0	T.	5.0	T.			21.0
Waurika			6.0	T.	1.0	2.0				9.0
Weatherford		T.	4.0	7.0		0.4	5.0			16.4
Webbers Falls					1.0	2.0				3.0
Whiteagle	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	
Wichita National Forest			(*)	(*)	(*)	(*)	(*)	(*)	(*)	
Woodward		2.0	2.0	15.0	T.	3.5	1.5	T.		24.0
Wyandotte			T.	2.0		9.5				11.5
Oregon.										
Agency Plains			2.5	0.7	6.8	15.3	T.			25.3
Albany					T.					T.
Andrews			6.0	1.0	1.0	16.0	T.	T.		24.0
Ashland			2.9	6.3	T.	1.5	1.8			12.5
Astoria										0.0
Austin			5.0	10.0	5.0	(*)	(*)			
Baker			5.0	2.2	0.3	11.6	2.5	T.	T.	21.6
Bear Creek		T.	8.5	10.3	7.1	29.6	12.6	2.0	T.	70.1
Bear Valley		T.	3.5	5.8	12.8	29.0	27.2	4.5		81.8
Beech Creek			3.5	7.8	14.5	41.0	18.0	6.0	T.	90.8
Bend			3.0	2.0	11.0	14.2	T.	6.0		36.2
Big Eddy			0.5		4.5	3.0				8.0
Blitzen			T.	7.0	1.0	23.0	5.5	T.		36.5
Brookings						T.				T.
Burns				1.5	6.7	24.0	1.5	(*)		
Cascade Locks			1.5	1.0	3.5	1.8				7.8
Cascadia				5.0	T.	2.0	T.			7.0
Cazadero				T.	T.	T.				T.
Chiloquin			10.8	9.0	8.5	35.5	11.3	1.0		76.1
Condon			1.5	4.1	6.0	8.5	1.0	2.0		23.1
Cornucopia		0.7	13.4	27.1	40.5	107.4	56.7	5.5	T.	251.3
Corvallis						T.	T.			T.
Cottage Grove						0.2	1.0			1.2
Cove			5.5	5.8	2.5	14.2	13.2	T.	T.	41.2
Crescent		T.	16.0	9.0	20.0	43.0	16.0	4.0		108.0
Dayville			1.0	T.	T.	2.2	0.5			3.7
Deadwood										0.0
Detroit			5.5	5.5	1.0	16.5	8.5			37.0
Doraville			T.	0.8	0.7	0.2	0.2			1.9
Drain										0.0
Drewsey			0.2	0.1	0.2	10.5	2.5			13.5
Dufur			3.0	4.7	5.8	25.3	2.0	3.5	0.1	44.4
Echo			T.	1.0	T.	T.				1.0
Eugene						T.	T.			T.
Fergusons Ranch			0.1	2.0	3.2	4.0				9.3
Florence										0.0
Forest Grove					0.8	T.	T.			0.8
Fremont			7.0	2.5	7.8	12.2	T.	0.3	T.	29.8
Government Camp		(*)	(*)	(*)	27.0	90.0	69.0	44.0	13.0	
Grants Pass				0.2		T.	T.			0.2
Gumboot		1.0	4.5	9.0	8.5	44.5	3.5	0.5	T.	71.5
Hampton			2.0		3.5	21.8	3.5	(*)		
Headworks				1.5						1.5
Heppner			0.5	3.0	2.0	1.0	T.			6.5

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Oregon—Continued.										
Hermiston			T.	T.	T.	T.				T.
Hilgard			5.0	5.0	6.0	23.0	20.0			59.0
Hood River			1.0	2.5	3.0	18.0	T.			24.5
Howardville			9.1	12.4	20.5	73.6	37.3	7.0	T.	159.9
Ibex Mine		1.9	18.4	18.4	33.1	88.9	47.2	15.0	T.	222.9
Jacksonville			1.0	0.8	T.	1.5	T.			3.3
Joseph		(*)	(*)	(*)	11.5	15.0	7.5	3.0		
Klamath Falls			7.0	9.2	5.5	26.0	7.2	T.		54.9
La Grande			6.0	4.0	1.0	14.0	13.0		T.	38.0
Lake Creek			1.0	11.8		3.0	5.0	T.		20.8
Lakeview			9.6	5.3	5.8	22.4	11.1	T.		54.2
Lapine			3.3	5.6	7.8	32.7	12.3	T.	T.	61.7
Lilyglen			(*)	(*)	14.5	53.0	40.5	3.5		
McKinley					T.					T.
McMinnville					T.					T.
Marshfield										0.0
Maury			3.5	3.5		6.5	3.8	1.5		18.8
Medford			1.0	2.1		T.	T.			3.1
Merrill			T.	5.1	(*)	(*)	(*)	0.5		
Milton			T.	T.	T.	(*)				
Miramonte Farm					T.					T.
Moro			0.8	4.5	7.0			T.		12.3
Mount Angel					T.					T.
Newport										0.0
Nyssa			2.0	2.5	1.0	1.0	T.			6.5
Oakridge				(*)	T.	(*)				
Ochoco			4.5	18.5	18.5	29.0	38.0	1.0	T.	109.5
Ortley			3.0	6.0	11.0	37.0	7.5	2.0		66.5
Paisley (near)			3.8	1.7	5.1	7.7	1.1	T.		19.4
Parkdale			3.5	7.0	11.0	35.5	(*)			
Pendleton			T.	T.	1.0	T.				1.0
Pilot Rock				1.5	4.0	1.5	T.			7.0
Portland						T.				T.
Port Orford	(*)	(*)	(*)							
Power House			0.3	0.2	3.1	5.8	T.		T.	9.4
Prairie City			2.5	6.8	2.5	28.1	25.5	T.	T.	65.4
Prineville			1.6	2.5	1.6	2.0				7.7
Prospect			1.5	14.2	1.0	21.0	26.0	0.2		63.9
Reservoir No. 3			3.2	6.9	3.6	21.6	4.5	T.		39.8
Richland			1.0	2.5	(*)	4.0				
Riddle										0.0
Rio Hermoso	(*)	(*)	4.5	0.5	7.5	9.0				
Riverside			1.0	0.5	T.	7.2	0.5	T.		9.2
Roseburg										0.0
Salem					T.					T.
Silver Lake	(*)	(*)	5.0	1.5	2.6	19.2	1.6	5.1		
Siskiyou			11.1	32.0	24.0	87.0	43.0	2.0		199.1
Sisters			5.0	4.0	10.0	17.0	T.	3.0	T.	39.0
Sparta			8.0	19.0	12.0	46.5	16.5	2.0		104.0
Stafford					T.					T.
Stanfield	(*)	(*)	0.1	(*)		(*)	(*)			
Starkey			2.0	4.7	2.2	27.7	13.0	T.	T.	49.6
Sunrise Valley			3.0	2.0	T.	25.3	7.0	0.3		37.6
Talent			1.0	2.0						3.0
The Dalles			1.0		5.0	3.0				9.0
Toledo										0.0
Umatilla			T.	T.	0.1	T.				0.1
Union			5.8	2.8	4.2	7.0	8.5	T.		28.3
Vale			3.0	1.5	T.	T.	(*)			
Valley Falls			3.0	3.5	4.0	19.0	(*)			
Waldo			T.	3.0	T.	5.0	T.			8.0
Wallace Orchard					T.	T.				T.
Wallowa			3.0	5.0	2.5	13.3	7.8			31.6
Wamic		(*)	(*)	3.5	4.0	19.5	1.0			
Warmspring			3.5	3.0	1.0	11.0				18.5
Wasco				3.0	7.0	(*)	(*)			
Welches (near)			T.	4.0	2.0	5.0	4.0	T.		15.0
Weston			T.	6.5	3.5	5.0	3.0			18.0
Williams			(*)	0.2		0.2		(*)		
Yonna			4.8	7.0	2.5	10.2	4.4			28.9

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Pennsylvania.										
Allentown				(*)	(*)	0.4	0.2			
Altoona			T.	4.5	8.0	12.0	3.0	1.0		28.5
Ansonia			T.	3.0	2.0	2.0	5.0	2.0		14.0
Arendtsville				T.	8.5	7.0	2.2	T.		17.7
Austin			T.	3.0	4.0	7.5	3.5	0.5		18.5
Beaver Dam			T.	2.9	4.2	3.9	2.1	1.0		14.1
Beaver Falls			T.	1.2	2.9	3.0	(*)	0.2		
Bellefonte				T.	7.0	5.5	3.5			16.0
Bethlehem					(*)	1.0	(*)			
Bloserville			T.	T.	11.0	10.0	4.5	1.0		26.5
Bradford			0.6	10.6	8.1	6.8	3.4	3.1		32.6
Bradys Bend			T.	2.6	4.7	3.8	3.8	0.8		15.7
Brookville				0.2	4.2	3.0	0.1			7.5
Browers Lock					1.5	2.3	0.1			3.9
Bustleton				T.	T.	T.	1.0	T.		1.0
Carlisle			T.	T.	10.0	7.0	2.0	0.5		19.5
Catawissa			T.	T.	15.7	11.5	4.2	T.		31.4
Center Hall				0.8	5.5	11.0	3.5	1.0		21.8
Clarion			T.	7.0	8.0	12.5	4.0	1.0		32.5
Claysville			T.	T.	3.5	1.0	5.0	T.		9.5
Clearfield			T.	T.	2.0	6.5	8.0	2.0		18.5
Coatesville				1.0	2.3	4.6	1.9	0.8		10.6
Colebrook				0.1	10.0	5.6	0.6	T.		16.3
Confluence					(*)	6.5	1.0	1.0		
Coraopolis				5.0	(*)	5.0	0.8	0.5		
Derry			T.	6.0	5.5	1.9	1.0	0.5		14.9
Doylestown				T.	0.5	1.5	1.0			3.0
Drifton			T.	3.8	13.2	7.5	10.0	1.5		36.0
Ebensburg			T.	5.0	6.0	6.0	T.	T.		17.0
Edinboro			1.0	9.5	15.0	17.0	1.0	2.0		45.5
Elk Lick			T.	6.0	9.0	8.0	T.	T.		23.0
Emporium			T.	2.0	4.1	3.6	2.5	1.0		13.2
Ephrata					(*)	3.0	(*)	0.5		
Erie			0.8	6.1	6.1	6.5	2.1	1.1		22.7
Franklin			T.	4.4	5.0	6.8	1.8	0.5		18.5
Freeland			T.	3.8	11.7	7.0	10.0	1.5		34.0
Freeport				T.	2.3	2.8	T.			5.1
George School				T.	0.5	T.	0.2			0.7
Gettysburg				T.	7.0	5.7	1.0	T.		13.7
Girard			T.	(*)	5.4	(*)	T.	0.2		
Girardville			T.	4.4	17.8	8.7	4.0	1.2		36.1
Gordon				T.	12.0	10.0	1.0	1.0		24.0
Gouldsboro			(*)	4.5	10.0	7.9	3.5	2.0		
Greensboro				2.0	3.0	1.0	6.5	T.		12.5
Greensburg			0.2	6.6	5.2	4.1	1.2	0.5		17.8
Greenville			T.		2.6	4.0	0.5	T.		7.1
Grove City			T.	1.8	2.8	7.5	1.4	0.5		14.0
Hamburg				T.	9.0	0.7	0.2	T.		9.9
Hanover					7.0	2.2	0.6	T.		9.8
Harrisburg				0.1	9.0	6.8	1.3	T.		17.2
Herrs Island Dam			T.	0.8	3.3	1.4	0.5	0.1		6.1
Holtwood					0.5	9.0	1.0			10.5
Huntingdon				0.6	5.5	6.0	T.	T.		12.1
Indiana			T.	8.7	5.7	10.5	3.5	1.5		29.9
Irwin			T.	1.8	4.7	1.3	1.5	T.		9.3
Johnstown			T.	6.2	7.5	7.4	0.6	1.0		22.7
Lancaster				0.1	4.0	6.0	2.1			12.2
Lansford			T.	2.0	7.0	3.5	3.0	T.		15.5
Lawrenceville			T.	3.0	6.0	4.0	8.0	2.0		23.0
Lebanon			T.	T.	8.7	7.0	1.5	T.		17.2
Lewisburg				0.1	10.4	4.5	4.0	0.5		19.5
Linesville			T.	2.5	6.5	8.8	0.2	0.2		18.2
Lloyd			T.	1.0	6.0	4.5	1.0	T.		12.5
Lock Haven				1.0	7.0	6.0	5.0	T.		19.0
Lock No. 4			T.	2.5	(*)	0.6	1.0	T.		
Lycippus				3.6	6.4	4.2	2.2	0.7		17.1
Lykens				T.	9.5	8.5	1.5	T.		19.5
Mauch Chunk				0.8	7.0	3.9	5.0	T.		16.7
Media				T.	(*)	0.2	0.5			

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Pennsylvania—Continued.										
Mifflintown				1.0	8.0	6.0	2.0	T.		17.0
Milford				0.5	5.0	2.5	1.0	0.5		9.5
Montrose			T.	6.0	11.0	2.5	6.0	3.0		28.5
Mosgrove				1.0	(*)	(*)	1.5	T.		
Mount Pocono			T.	2.0	8.0	4.0	3.0	0.5		17.5
Muncy Valley				2.0	9.0	2.0	2.0	T.		15.0
Neshaminy Falls				T.	0.5	1.0	T.	T.		1.5
New Castle				0.2	5.5	4.6	1.6			11.9
Palmerton				T.	2.2	2.0	0.9	T.		5.1
Parkers Landing			0.2	2.7	5.1	5.3	4.2	3.0		20.5
Philadelphia (a)				T.	0.5	1.0	3.0	T.		4.5
Philadelphia (d)				0.2	0.7	1.6	1.9	T.		4.4
Phoenixville				T.	T.	3.9	(*)			
Pittsburgh			T.	1.4	3.7	1.7	1.5	0.5		8.8
Pottstown				T.	1.7	1.9	1.2	T.		4.8
Pottsville				0.6	11.3	4.8	2.0	0.1		18.8
Punxsutawney			T.	1.5	3.5	10.0	1.0	1.0		17.0
Quakertown				T.	3.9	3.2	1.1	T.		8.2
Reading				T.	4.7	1.3	0.6	T.		6.6
Renovo					0.6	(*)	(*)			
Ridgway			T.	1.8	8.5	5.0	(*)			
Sadsburyville				0.6	1.7	4.7	2.1			9.1
Saegerstown			T.	7.5	6.0	(*)	(*)	2.0		
Saltsburg			T.	3.9	7.3	8.0	1.9	2.0		23.1
Scranton			T.	4.6	10.5	6.7	5.0	1.3		28.1
Selinsgrove				T.	12.0	0.4	6.0	0.2		18.6
Sharon				1.8	2.9	0.9	0.8	0.1		6.5
Shawmont				T.	0.7	0.5	1.0	T.		2.2
Somerset			1.0	14.0	17.6	13.6	1.0	3.3		50.5
Springdale			T.	2.9	2.6	2.5	1.6	0.5		10.1
State College			T.	0.5	7.7	6.7	2.5	0.2		17.6
Stroudsburg			T.	2.0	6.5	0.5	1.5	T.		10.5
Sunbury			T.	T.	7.0	5.0	2.2	0.7		14.9
Towanda			T.	1.9	6.2	4.6	1.8	0.7		15.2
Uniontown			T.	2.5	6.0	3.5	3.5	0.5		16.0
Vandergrift			T.	2.1	4.8	2.5	0.2	T.		9.6
Warren			0.5	11.0	5.8	11.6	3.6	4.5		37.0
Waterville				1.0	5.0	1.6	4.7			12.3
Weikert				4.0	6.0	9.0	7.5	T.		26.5
Wellsboro			T.	1.1	7.5	3.8	4.7	T.		17.1
West Bingham			T.	1.4	9.5	5.7	3.0	1.5		21.1
West Chester					2.3	1.2	1.2			4.7
West Newton				0.5	5.0	1.4	1.3	1.0		9.2
White Haven				4.0	4.3	4.7	2.5			15.5
Wilkes-Barre				0.7	8.0	T.	5.5			14.2
Williamsport			T.	0.9	7.0	3.9	2.5			14.3
York				0.5	7.0	6.7	T.			14.2
Porto Rico.[1]										
Rhode Island.										
Block Island				T.	0.7	1.7	0.8	T.		3.2
Bristol				2.5	1.5	5.5	1.0	T.		10.5
Kingston				1.0	1.0	8.0	2.5	T.		12.5
Providence			T.	5.5	2.0	5.2	1.0	T.		13.7
South Carolina.										
Aiken										0.0
Allendale			(*)	(*)	(*)					
Anderson						T.				T.
Batesburg				T.		T.				T.
Beaufort					(*)	(*)	(*)	(*)	(*)	
Blackville										0.0
Blairs										0.0
Bowman				T.						T.
Calhoun Falls						T.				T.
Camden						T.				T.

[1] No snowfall.

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
South Carolina—Continued.										
Catawba			T.							T.
Centenary				T.		(*)	(*)	(*)	(*)	
Chappells										0.0
Charleston										0.0
Cheraw				T.		T.				T.
Clemson College					T.	T.				T.
Columbia				T.		0.4				0.4
Conway						T.				T.
Darlington				T.		T.				T.
Edgefield						T.				T.
Edisto										0.0
Effingham						T.				T.
Ferguson										0.0
Florence (No. 1)										0.0
Florence (No. 2)						T.				T.
Garnett										0.0
Gaston Shoals			T.	T.		3.2				3.2
Georgetown						T.				T.
Greenville			0.3	T.	T.	0.2				0.5
Greenwood										0.0
Heath Spring						T.				T.
Kershaw						T.				T.
Kingstree										0.0
Landrum			T.	T.	0.6	1.6				2.2
Laurens			T.			T.				T.
Liberty			0.2	1.0	T.	7.5				8.7
Little Mountain				T.		1.0				1.0
Meriwether				T.	(*)	T.				
Monetta				T.		T.				T.
Newberry				T.		1.4	T.			1.4
Oaks						3.0				3.0
Orangeburg										0.0
Paris Island	(*)									
Pelzer						T.				T.
Pinopolis	(*)					(*)	(*)			
Rimini										0.0
St. George										0.0
St. Matthews										0.0
Saluda						T.				T.
Santuck				T.		0.1				0.1
Society Hill				T.		T.				T.
Spartanburg			T.	T.	T.	T.				T.
Summerville										0.0
Trenton				T.		T.				T.
Walhalla				T.	0.3	T.				0.3
Walterboro										0.0
White Oak						T.				T.
Winthrop College				T.		2.5				2.5
Yemassee										0.0
South Dakota.										
Aberdeen			3.5	8.0	1.0	10.5	3.5	1.3		27.8
Academy		2.0	2.0	10.0	1.5	13.5	2.5	6.0		37.5
Alexandria		(*)	(*)	(*)		8.0	T.	(*)		
Ardmore	T.		2.0	8.0	0.2	15.5	7.5	12.0		45.2
Armour		5.0		3.2	T.	12.8	(*)	2.0		
Bellefourche			5.0	5.0	T.	6.0	(*)	(*)		
Bison		T.	2.5	6.0	2.0	7.5	4.0	8.0		30.0
Britton		T.	2.8	4.6	0.9	9.1	1.8			19.2
Brookings		T.	(*)	2.2	0.7	6.3	2.0	(*)		
Bryant			1.5	5.0	1.5	(*)	(*)	(*)	(*)	
Canton		(*)		(*)		5.5	(*)			
Castlewood		T.	2.5	5.3	1.0	0.7	2.0	5.4	T.	16.9
Cedarbutte		T.	(*)	(*)	T.	(*)	(*)	(*)	(*)	
Centerville	T.	4.0	0.3	1.3	2.0	12.5	3.0	6.0		29.1
Clark	0.5	T.	6.6	9.0	2.5	20.0	2.0	4.0	T.	44.6
Colome		T.	1.5	17.4	0.8	11.5	1.0	1.8		34.0
Cottonwood		T.	0.9	2.6	0.6	7.8	5.4	6.8		24.1
Crow Creek	(*)	(*)	0.3	(*)	0.7	8.7	(*)	(*)	(*)	

Monthly and seasonal snowfall, 1918-19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
South Dakota—Continued.										
Custer	.....	0.5	(*)	2.5	.....	7.2	7.5	27.0	2.5	.....
Deadwood	.....	1.0	6.5	19.5	3.0	7.5	6.5	47.0	.....	91.0
Deerfield	.....	0.8	4.4	4.2	4.4	11.6	6.8	26.2	1.0	59.4
De Smet	.....	.....	(*)	(*)	(*)	5.2	(*)	(*)	(*)	.....
Dowling	.....	T.	1.9	7.0	.....	6.0	4.0	6.0	.....	24.9
Dumont	T.	2.5	8.6	12.1	6.0	9.4	5.0	30.0	1.6	75.2
Eagle Butte	.....	T.	3.0	5.2	0.3	12.5	2.0	6.0	0.8	29.8
Eales	.....	1.2	2.2	8.4	2.9	22.6	3.2	6.4	T.	46.9
Elk Mountain	(*)	T.	4.1	5.0	2.0	9.0	9.0	12.0	.....	.....
Ellingson	(*)	2.2	2.5	4.5	T.	5.0	6.0	(*)	T.	.....
Eureka	1.0	1.0	5.0	5.0	1.0	10.5	0.5	6.0	T.	30.0
Fairfax	.....	5.0	2.0	4.0	5.0	8.0	2.0	6.0	.....	32.0
Faulkton	.....	T.	6.0	11.5	1.0	23.5	1.7	3.0	.....	46.7
Flandreau	.....	1.5	.....	3.1	2.7	6.5	1.2	3.0	.....	18.0
Forestburg	.....	T.	5.6	2.3	1.7	13.1	1.1	6.7	.....	30.5
Fort Meade	.....	(*)	(*)	(*)	.....	(*)	(*)	(*)	(*)	.....
Gann Valley	.....	.....	6.0	2.5	T.	18.0	2.0	1.0	.....	29.5
Goldfield	.....	T.	(*)	9.0	(*)	(*)	21.0	(*)	(*)	.....
Greenmont	.....	4.2	9.0	28.0	3.0	8.0	13.0	47.0	2.0	114.2
Hardingrove	.....	.....	2.0	7.0	T.	10.0	4.0	11.0	.....	34.0
Hardy Ranger Station	.....	6.0	12.5	23.0	5.0	15.0	11.0	36.0	2.0	110.5
Harveys Ranch	T.	5.2	10.6	19.8	16.0	22.5	11.1	74.5	T.	159.7
Hermosa	.....	T.	(*)	.....	.....	(*)	(*)	11.0	.....	.....
Highmore	.....	T.	4.8	7.0	1.0	10.5	3.0	T.	.....	26.3
Hopewell	.....	3.0	4.0	13.5	1.0	14.0	5.0	8.0	T.	48.5
Hot Springs	.....	.....	2.0	3.0	.....	14.0	8.0	7.0	.....	34.0
Howard	.....	.....	(*)	(*)	0.4	7.5	1.0	1.0	.....	.....
Howell	.....	0.2	4.7	3.7	0.4	7.5	0.7	1.0	.....	18.2
Huron	.....	0.3	4.8	4.6	1.1	11.4	2.7	4.5	.....	29.4
Interior	.....	T.	T.	4.2	T.	9.0	3.0	(*)	.....	.....
Ipswich	.....	T.	8.0	4.0	0.5	13.7	(*)	3.0	.....	.....
Jefferson	.....	2.0	2.5	3.0	1.0	3.5	9.0	(*)	1.0	.....
Kadoka	.....	T.	(*)	(*)	.....	11.5	1.1	(*)	(*)	.....
Kennebec	.....	3.5	5.0	16.0	2.0	17.0	4.0	(*)	.....	.....
La Delle	.....	T.	9.0	9.5	T.	14.0	2.0	4.0	.....	38.5
Lead	.....	1.0	5.0	8.5	.....	8.2	11.5	46.5	4.0	84.7
Lemmon	.....	.....	1.5	2.0	2.0	6.0	4.0	2.0	2.0	19.5
McIntosh	.....	.....	2.0	7.0	2.0	7.0	5.0	6.0	3.0	32.0
Marion	.....	7.5	0.5	0.2	1.0	11.0	0.5	5.5	.....	26.2
Marston	.....	.....	.....	8.2	0.5	15.8	2.5	2.0	.....	29.0
Meadow	.....	4.0	1.3	4.0	1.0	8.5	10.0	10.0	3.0	41.8
Mellette	.....	T.	8.0	13.5	0.5	11.0	3.0	1.0	.....	37.0
Menno	.....	6.0	(*)	2.0	2.7	15.0	2.0	(*)	.....	.....
Milbank	.....	.....	.....	11.7	1.0	9.2	1.5	.....	.....	23.4
Mitchell	.....	T.	(*)	(*)	T.	16.0	2.0	7.0	.....	.....
Mobridge	(*)	.....	1.0	7.5	2.5	25.0	(*)	(*)	.....	.....
Murdo	(*)	(*)	1.2	(*)	.....	16.0	(*)	(*)	.....	.....
Oelrichs	(*)	(*)	2.0	7.0	.....	9.0	9.2	27.7	.....	.....
Onaka	.....	.....	5.5	7.1	1.0	16.0	(*)	(*)	.....	.....
Onida	.....	.....	T.	4.1	0.2	16.0	4.0	4.0	.....	28.3
Orman	.....	.....	0.5	4.5	1.0	5.8	12.5	22.0	.....	46.3
Ottumwa	.....	3.0	0.3	8.0	2.0	11.0	(*)	8.0	.....	.....
Pearl Creek	(*)	T.	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Pierre	.....	0.3	3.6	14.5	0.4	19.5	3.0	5.7	.....	47.0
Pine Ridge	.....	.....	4.0	6.0	.....	7.5	16.5	18.0	.....	52.0
Pollock	.....	(*)	(*)	(*)	.....	12.0	(*)	(*)	.....	.....
Rapid City	.....	T.	2.3	3.8	0.4	6.3	6.4	16.6	T.	35.8
Redfield	.....	.....	(*)	6.0	.....	12.0	(*)	(*)	.....	.....
Redig	.....	T.	3.0	5.0	2.0	5.9	4.5	6.0	.....	26.4
Rochford	.....	1.0	7.0	7.0	6.2	10.7	7.4	28.2	0.7	68.2
Rosebud Agency	.....	2.0	1.2	(*)	1.0	15.2	1.0	1.0	T.	.....
Roslyn	T.	.....	3.0	6.3	0.9	5.0	0.5	1.8	T.	17.5
Sioux Falls	.....	4.0	.....	0.5	3.2	12.7	2.0	.....	.....	22.4
Spearfish	.....	.....	3.5	12.0	T.	(*)	10.5	46.1	.....	.....
Timber Lake	.....	(*)	(*)	8.0	0.0	(*)	(*)	(*)	.....	.....
Tyndall	.....	6.0	T.	1.0	T.	6.0	2.0	2.0	.....	17.0
Vale	.....	.....	2.5	6.0	T.	6.5	9.5	7.0	.....	31.5
Vermillion	.....	2.0	T.	1.0	4.0	15.2	6.5	4.0	.....	32.7
Vivian	.....	T.	T.	(*)	.....	3.2	.....	(*)	.....	.....
Wagner	.....	10.0	.....	4.0	5.0	9.0	10.0	7.0	.....	45.0
Waters Ranch	.....	0.2	7.5	23.6	2.2	18.3	18.3	37.0	.....	107.1

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
South Dakota—Continued.										
Watertown	T.	T.	0.5	6.5	0.5	12.5	1.0	T.		21.0
Wentworth		1.5	0.8	3.2	1.3	11.5	2.3	7.8		28.4
White Lake	(*)	T.		(*)		(*)	(*)	(*)		
Wood		2.0	4.0	15.0	3.0	(*)	T.	(*)		
Yankton	T.	4.1	0.4	1.8	3.3	12.6	5.5	5.5		33.2
Tennessee.										
Ashwood				T.	1.5	3.5		T.		5.0
Bolivar					0.1	1.3				1.4
Byrdstown				0.5	1.5	0.5	(*)			
Chattanooga				T.	11.0	0.8				11.8
Clarksville				T.	T.	0.5	T.	T.		0.5
Decatur				T.	10.0	1.0				11.0
Florence				T.	1.5	2.0	T.			3.5
Huntingdon				T.	0.5	2.5	(*)			
Johnson City				4.0	6.0	4.0	T.			14.0
Knoxville		T.	T.	T.	5.4	1.3	T.			6.7
McMinnville				T.	6.0	1.3	(*)	T.		
Memphis				0.1	0.1	3.8	0.7			4.7
Nashville				T.	0.1	0.9	T.	T.		1.0
Palmetto				T.	4.0	2.0				6.0
Rogersville				0.5	5.5	T.	(*)			
Rugby				4.0	14.0	6.0	T.			24.0
Sparta (near)		T.	T.	T.	4.5	2.5				7.0
Trenton				T.	T.	2.0	T.	T.		2.0
Union City					T.	T.				T.
Waynesboro				T.	0.8	2.7	T.	0.2		3.7
Yukon					5.0	0.2				5.2
Texas.										
Abilene			8.2	1.1	9.0	0.1				18.4
Albany			7.8		5.3					13.1
Alice				T.						T.
Alvin			(*)	(*)	(*)	(*)	(*)	(*)	(*)	
Amarillo		4.4	10.8	20.5	T.	3.7	1.7	7.6		48.7
Anahuac										0.0
Anderson			T.		T.					T.
Angleton										0.0
Antelope			9.0			2.0				11.0
Archer City		(*)	(*)	2.8					(*)	
Arthur City		(*)								
Aspermont			8.0	2.0	2.0					12.0
Austin			T.							T.
Austwell						(*)				
Ballinger			11.0		10.5					21.5
Barstow			14.0	2.5	1.0					17.5
Beaumont										0.0
Beeville										0.0
Big Spring			7.0	3.0	5.0					15.0
Big Wells										0.0
Blanco			T.		T.					T.
Boerne			T.		6.0	1.0				7.0
Bonham			T.			0.5				0.5
Bon Wier	(*)	(*)	(*)	(*)	(*)	(*)				
Bovina		5.0	5.0	30.0	0.5		2.0	12.0		54.5
Bowie			7.2			1.0				8.2
Brazoria										0.0
Brazos			2.5		T.					2.5
Brenham										0.0
Bridgeport			0.2		T.	0.1				0.3
Brighton										0.0
Brownfield		T.	3.0	6.0	2.0					11.0
Brownsville										0.0
Brownwood			3.0		17.0					20.0
Buena Vista			19.0	3.0	1.5	2.0				25.5
Cameron	(*)		(*)	(*)	(*)	(*)				
Canadian		1.5	4.6	10.5		1.0	0.2	1.0		18.8
Childress		0.3	14.0	12.0		0.2	4.0			30.5
Chillicothe		2.0	10.0	4.0			1.0			17.0

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Texas—Continued.										
Clarendon		0.1	10.6	15.0			3.5			29.2
Clarksville			T.			T.				T.
Claude		T.	12.0	12.0			0.5	5.0		29.5
Claytonville			9.0	2.0		0.2				11.2
Cleburne			T.		9.5	T.				9.5
Clifton			T.		4.0	0.4				4.4
Clint			2.5	2.7	0.5	T.				5.7
Coleman			7.0		16.0					23.0
College Station										0.0
Colorado		(*)	(*)	(*)	8.0					
Columbus										0.0
Copperas Cove			T.			T.				T.
Corpus Christi				0.1						0.1
Corsicana						T.				T.
Crosbyton		0.8	7.0	4.0	2.0			1.0		14.8
Crowell			6.0	3.0					(*)	
Cuero										0.0
Dalhart			5.3	22.0	1.0	4.0	1.0	4.0		37.3
Dallas			0.6		0.2	0.1				0.9
Danevang										0.0
Del Rio										0.0
Denison (near)										0.0
Denton			T.			0.2				0.2
Dialville										0.0
Dilley										0.0
Dublin			3.0		18.0	(*)	(* (			
Eagle Pass										0.0
Eastland			3.0		(*)	(*)	(*)			
Edna										0.0
El Paso			2.4	2.9	0.3	T.				5.6
Encinal										0.0
E. V. Ranch	(*)	(*)	(*)	(*)	(*)	4.0				
Fairland			T.		T.					T.
Falfurrias										0.0
Finley										0.0
Flatonia										0.0
Flint			T.			T.				T.
Floresville			T.							T.
Fort Clark				(*)						
Fort Davis			15.0	4.0	3.0					22.0
Fort McIntosh										0.0
Fort McKavett (near)			3.0		8.0					11.0
Fort Stockton			12.2	2.0	8.5	5.0				27.7
Fort Worth			T.		T.	T.				T.
Gainesville			T.		0.2	0.5				0.7
Galveston					T.					T.
Garden City			8.0	2.0	8.0					18.0
Gatesville			T.	(*)	(*)	(*)				
Georgetown			T.							T.
George West										0.0
Goliad										0.0
Gonzales										0.0
Graham			5.0		1.5					6.5
Grand Falls			16.0	4.0						20.0
Greenville										0.0
Groesbeck			T.							T.
Hallettsville										0.0
Hamilton			T.		22.0					22.0
Hamlin			8.0		T.					8.0
Haskell			7.5	1.5	T.					9.0
Hebbronville										0.0
Hempstead				T.						T.
Henderson										0.0
Henrietta			2.0			2.0				4.0
Hewitt			T.							T.
Hico			T.		10.0					10.0
Highbank										0.0
Hillsboro					2.0					2.0
Hill's Ranch										0.0

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Texas—Continued.										
Hitchcock										0.0
Hondo			1.5		T.					1.5
Honey Grove			T.		T.					T.
Houston				T.	T.					T.
Huntsville										0.0
Index										0.0
Jayton			1.0	1.0	(*)				(*)	
Jefferson										0.0
Junction			T.		12.0	T.				12.0
Kaufman						T.				T.
Kerrville			T.		2.1					2.1
Knickerbocker			7.0		15.0					22.0
Kopperl					3.0					3.0
Lagrange				T.						T.
Lamesa			4.0	7.0	1.0	1.0				13.0
Lampasas			T.		T.	T.				T.
La Parra										0.0
La Pryor										0.0
Laredo										0.0
Laureles Ranch	(*)	(*)		(*)	(*)	(*)	(*)	(*)	(*)	
Liberty										0.0
Lieb		0.6	6.5	17.0		5.0	2.0	5.0		36.1
Llano			T.			T.				T.
Lobo		(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	
Long Lake						(*)	(*)	(*)	(*)	
Longview										0.0
Lubbock		T.	3.5	6.0	1.5	T.		T.		11.0
Lufkin										0.0
Luling			T.							T.
McGregor										0.0
McKinney			T.			T.	(*)		(*)	
Madisonville										0.0
Marble Falls			0.5							0.5
Marshall										0.0
Matagorda										0.0
Mathis	(*)	(*)	(*)	(*)	(*)	(*)				
Memphis		T.	11.0	10.0	(*)	1.0	6.0	T.		
Mercedes										0.0
Mexia			T.		T.	T.				T.
Miami		5.0	8.2	16.0		1.0	5.0	11.0		46.2
Midland			9.0	2.0	4.5					15.5
Mission	(*)	(*)	(*)	(*)		(*)	(*)	(*)	(*)	
Montell										0.0
Mount Pleasant			T.		T.					T.
Munday			7.0	2.0		T.				9.0
Nacogdoches										0.0
Navasota										0.0
New Braunfels										0.0
Ochiltree		(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	
Orange					T.					T.
O 2 Ranch			3.9	0.5	4.0					8.4
Paducah		T.	10.4	3.0	1.0	T.				14.4
Paint Rock			6.0		4.5	T.				10.5
Palestine					0.1					0.1
Panhandle		6.0	8.0	12.0	(*)			8.0		
Paris			T.			T.				T.
Pearsall										0.0
Pierce					T.					T.
Plainview		2.5	10.6	10.0	2.0		T.	4.5		29.6
Port Arthur					T.					T.
Post			3.2	5.8						9.0
Putnam			3.0		10.0					13.0
Quanah			8.0	6.0			3.0			17.0
Ratcliff										0.0
Raymondville										0.0
Ricardo										0.0
Ringo Crossing										0.0
Riogrande										0.0
Riverside										0.0

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Texas—Continued.										
Rochelle			2.0		8.5	T.				10.5
Rockland										0.0
Romero	(*)	(*)	(*)	(*)	(*)	(*)	(*)	22.0		
Rosenberg					(*)	(*)			(*)	
Rossville										0.0
Runge										0.0
Sabinal			T.							T.
Salado			T.							T.
San Angelo			6.5	(*)	10.8	T.				
San Antonio			T.							T.
San Marcos			T.				(*)			
Sealy										0.0
Sherman			T.		T.	T.				T.
Smithville				T.						T.
Snyder			4.0	7.0	4.5					15.5
Somerville										0.0
Spur			4.6	12.0	2.0					18.6
Stamford	(*)	(*)	(*)		(*)	(*)	(*)	(*)		
Stephenville					18.0					18.0
Sugarland										0.0
Taylor			T.							T.
Temple										0.0
Thurber			2.5		3.0					5.5
Trinidad										0.0
Troup						T.				T.
Tulia		4.0	10.5	14.0		T.	3.0	8.0		39.5
Uvalde										0.0
Valley Junction										0.0
Vernon	(*)	(*)	(*)	(*)	(*)	(*)	2.0			
Victoria										0.0
Waco			T.		T.					T.
Waxahachie										0.0
Weatherford			2.5		2.0					4.5
Wellington		6.0	7.0	13.0		(*)	(*)	(*)	(*)	
Whitsett										0.0
Wichita Falls			5.0							5.0
Wills Point						T.				T.
Winfield (near)			T.		T.	T.				T.
Winters			7.0		10.0					17.0
Woodsboro										0.0
Woodville		(*)	(*)		1.7		(*)	(*)	(*)	
Utah.										
Alpine			11.5	5.0	1.0	28.0	10.0	3.0		58.5
Alton			10.0	15.5	4.0	21.0	4.0			54.5
Alunite		T.	15.3	3.5	1.5	5.8	7.0	0.5		33.6
Beaver			9.0	11.2	1.1	19.7	15.7	2.1		58.8
Benmore		T.	9.5	2.5	2.5	24.5	13.5	(*)		
Black Rock			3.0	1.5		14.5	9.5			28.5
Black's Fork		5.2	26.0	4.0	(*)	37.5	20.0	39.0	7.0	
Blanding		T.	8.0	22.5	0.5	16.0	15.0	T.		62.0
Bluff	(*)	(*)	(*)	(*)	(*)	(*)	(*)			
Brigham City			(*)	T.	T.	26.0	5.0			
Burrville			(*			23.5	8.5	(*)	(*)	
Castle Dale			10.0	6.0	T.	13.0	0.1			29.1
Castle Rock		2.0	6.5	5.7	0.2	28.5	11.0	2.0	T.	55.9
Cedar City			4.0	6.0	1.8	20.8	7.3			39.9
Cedar Fort			(*)	(*)	(*)	(*)	(*)	(*)	(*)	
Clarkston			(*			(*	(*			
Corinne			T.	1.0	0.3	30.0	7.0			38.3
Cottonwood Nursery		(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	
Cottonwood Sevier		(*	(*	(*	(*	(*	(*	(*	(*	
Cottonwood Wier		T.	11.7	5.8	1.8	41.8	7.5	13.5	T.	82.1
Deseret			6.0	2.0		10.0	8.0			26.0
Dry Gulch Ranger Station		3.0	10.0	(*)		(*)	(*)	2.5	T.	
Duchesne		T.	2.5	8.5		7.0	2.5	4.0		24.5
East Portal		3.0	19.0	15.0	2.0	47.0	17.0	10.0	(*)	
Elberta		T.	7.5			11.0	7.2	3.0	T.	28.7
Elkhorn-Ashley			(*)	(*)	(*)	(*)	(*)	(*)		
Emery			5.0	6.0		16.0	4.0			31.0

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Utah—Continued.										
Enterprise			2.0	7.0	2.0	27.0				38.0
Erekson			(*)	(*)		(*)				
Escalante			6.0	8.0	1.0	(*)	3.0			
Farmington			17.8	5.2	1.6	33.3	8.6	12.5	(*)	
Fillmore			15.0	11.0		22.5	15.0	1.5		65.0
Fort Duchesne		T.	1.2	3.0	T.	8.5		(*)	(*)	
Fruitland		1.5	4.5	12.5	0.5	25.7	1.5	4.8		51.0
Garland			T.	2.0	1.3	19.5	(*)	T.		
Gooseberry Ranger Station			(*)	(*)	(*)	(*)	(*)	(*)	(*)	
Government Creek			8.5	4.5	T.	13.5	11.0	1.5		39.0
Grantsville			4.0	1.0	0.1	11.5	0.5			17.1
Great Basin Experiment Station		4.4	27.0	(*)	(*)	(*)	(*)	(*)	(*)	
Great Basin Experiment Station, Alpine	1.5	6.5	25.0	(*)	(*)	(*)	(*)	(*)	(*)	
Green River			1.5	9.0		(*)				
Hanksville			3.0	15.5	1.0	10.5				30.0
Hatch			7.0	10.0	4.5	24.0	12.0	1.0		58.5
Heber		T.	15.0	7.0	3.5	48.0	18.5	6.0		98.0
Henefer		T.	11.2	4.5	1.7	31.0	11.2	(*)	(*)	
High Line City Creek		2.0	20.0	17.0	1.0	62.0	12.0	18.0	1.5	133.5
Hole-in-the-Rock			11.0	9.0	2.5	9.0	(*)	(*)		
Huntsville		(*)	(*)	(*)	(*)	(*)	9.0			
Hurricane			(*)	(*)		(*)				
Ibapah			4.5	3.5		20.5	13.0			41.5
Joseph			9.0	(*)	(*)	(*)	(*)	(*)		
Jozella Ranch			T.	(*)		(*)	(*)			
Kanab	(*)			3.0	(*)	(*)	1.0	(*)	(*)	
Kanosh		(*)	9.0	(*)		25.9	18.5	T.		
Kelton			4.0	3.0		11.0	1.0			19.0
Koosharem Ranger Station		(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	
Laketown			(*)	0.5	1.0	18.0	1.5	6.0		
La Sal		T.	10.8	(*)		9.0	2.5	1.2		
Leeds (near)						T.				T.
Lehi			6.2		(*)	17.5	(*)			
Lemay						1.5	T.			1.5
Levan			16.5	7.1	T.	15.3	13.0	T.		51.9
Lockerby			13.0	(*)	(*)	(*)	(*)			
Logan			(*)	2.5	T.	21.0	1.0			
Lone Tree			(*)	(*)	(*)	(*)	(*)	(*)	(*)	
Low			3.0			8.0		1.0	(*)	
Lower American Fork		0.5	10.4	4.5	2.0	27.5	8.0	1.0		53.9
Lower Mill Creek		T.	13.0	5.5	1.5	43.0	6.0	18.0	0.5	87.5
Lucin			2.0		0.2	5.2	(*)	(*)		
Mammoth Ranger Station		6.0	(*)	(*)	(*)	(*)	(*)	(*)	(*)	
Manila		T.	13.0	7.0	1.0	2.8	4.0	(*)		
Manti		0.6	16.0	4.3	T.	19.2	4.4	2.0		46.5
Maplewood	(*)	(*)	(*)	(*)	(*)	(*)	(*)	T.		
Midlake			2.0		T.	8.0	0.1			10.1
Midvale		T.	5.4	1.6	T.	17.5	2.1	T.	T.	26.6
Milford		T.	4.1	7.6	T.	12.2	13.5	T.		37.4
Mills			(*)	(*)	T.	(*)	(*)			
Millville		T.	3.0	2.0	T.	28.0	5.0	T.		38.0
Minersville			4.0	3.5		12.0	15.0			34.5
Moab		(*)	(*)	(*)	(*)	(*)	(*)			
Modena			0.9	3.8	1.3	13.1	7.5	T.		26.6
Mohrland			2.0			21.0	1.0	(*)		
Monticello			(*)	(*)	2.0	22.0	8.5	1.5		
Monticello Ranger Station			1.0	21.0	(*)	(*)	(*)	(*)	(*)	
Morgan		T.	8.0	7.5	4.0	31.0	15.0	3.0		68.5
Moroni		T.	11.2	1.4	0.7	10.7	4.4			28.4
Mosida	(*)	T.	3.0	(*)		11.5	5.5	1.2	0.5	
Mountain Home	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)		
Mountain Ranch Ranger Station		(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	
Myton			(*)	0.5		2.5	0.3	(*)		
Nada		T.	2.2	6.0		11.0	9.7			28.9
Nephi (near)			8.0	2.0	T.	(*)	(*)	3.0		
New Harmony		(*)	(*)	(*)		(*)		(*)		
Oak City		T.	18.2	3.6		13.2	9.0	T.		44.0
Ogden			(*)	(*)	T.	38.5	14.0		T.	
Orderville			4.0	(*)	2.0	(*)	(*)			
Panguitch			6.0	3.0	2.0	6.0	6.2			23.2

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Utah—Continued.										
Panguitch Lake	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Park City	.....	.....	6.0	(*)	2.0	17.0	(*)	1.0	4.0	.....
Park Valley	.....	.....	5.3	3.0	.....	12.2	8.0	.....	.....	28.5
Parowan	.....	.....	(*)	8.5	3.0	18.0	9.0	.....	(*)	.....
Payson	.....	T.	13.0	5.0	1.0	31.0	12.0	.....	.....	62.0
Pine Valley	(*)	(*)	(*)	(*)	1.0	15.3	(*)	.....	.....	.....
Pine View	(*)	(*)	(*)	1.0	2.5	24.0	7.0	8.0	.....	.....
Pinto	.....	.....	(*)	(*)	(*)	7.3	11.0	.....	.....	.....
Piute Dam	.....	T.	(*)	0.4	1.0	12.0	(*)	.....	.....	.....
Price	(*)	(*)	(*)	(*)	.....	(*)	0.2	(*)	(*)	.....
Provo	.....	.....	1.0	0.1	3.5	21.5	20.0	.....	.....	46.1
Provo Bench	.....	T.	8.0	4.0	1.0	27.0	9.0	T.	T.	49.0
Randolph	.....	.....	(*)	T.	T.	(*)	(*)	.....	T.	.....
Richfield	.....	T.	(*)	(*)	(*)	(*)	(*)	(*)	.....	.....
Richmond	.....	T.	10.5	2.5	1.1	24.4	5.6	2.1	.....	46.2
Riverdale	.....	.....	4.5	3.0	2.0	19.8	4.0	T.	T.	33.3
Round Valley	.....	T.	17.0	(*)	(*)	(*)	(*)	(*)	.....	.....
Rozel	.....	.....	2.2	1.5	T.	5.2	2.0	.....	T.	10.9
St. George	.....	.....	.....	.....	.....	1.5	.....	.....	.....	1.5
St. John	(*)	(*)	14.4	1.5	T.	7.2	T.	T.	.....	.....
Saltair	.....	.....	5.0	1.5	1.0	12.5	3.0	0.5	.....	23.5
Salt Lake City	.....	T.	10.6	5.7	0.1	20.2	1.4	3.9	T.	41.9
Santaquin	.....	T.	17.0	5.5	2.0	34.5	14.0	1.0	T.	74.0
Scipio	.....	.....	19.0	(*)	(*)	(*)	(*)	(*)	.....	.....
Sells	(*)	(*)	(*)	(*)	(*)	(*)	(*)	0.5	.....	.....
Silver Lake	.....	9.5	(*)	(*)	(*)	175.0	(*)	(*)	(*)	.....
Snake Creek	.....	1.2	20.0	9.0	3.5	66.0	17.5	14.0	0.5	131.7
Snowville	.....	.....	(*)	2.0	.....	19.0	7.0	.....	.....	.....
Soldier Summit	(*)	(*)	(*)	(*)	(*)	27.1	4.4	0.5	.....	.....
Spanish Fork	.....	T.	5.0	(*)	T.	(*)	8.0	(*)	T.	.....
Springdale	.....	.....	.....	(*)	0.2	T.	.....	.....	.....	.....
Standrod	.....	1.0	13.9	1.4	0.4	26.4	12.4	2.8	.....	58.3
Sunnyside	.....	1.0	5.0	3.0	0.5	4.0	1.0	2.0	.....	16.5
Teasdale	.....	(*)	7.2	14.7	0.5	16.0	3.0	T.	(*)	.....
Thistle	.....	4.0	16.0	12.0	2.0	45.0	17.0	8.0	3.0	107.0
Thompsons	.....	(*)	(*)	(*)	.....	3.5	(*)	(*)	(*)	.....
Tooele	.....	6.0	12.0	2.0	T.	31.0	(*)	5.0	T.	.....
Tremonton	.....	.....	(*)	3.0	0.2	25.7	(*)	.....	.....	.....
Tropic	.....	(*)	3.1	T.	6.0	(*)	(*)	(*)	(*)	.....
Trout Creek Ranger Station	2.0	9.0	5.0	(*)	(*)	(*)	(*)	(*)	(*)	.....
University of Utah	.....	.....	(*)	(*)	(*)	24.7	2.5	9.0	.....	.....
Vernal	.....	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Victor	.....	.....	T.	(*)	T.	(*)	.....	.....	.....	.....
Watson (near)	.....	.....	5.8	6.2	.....	4.9	T.	.....	.....	16.9
Wendover	.....	.....	3.5	(*)	.....	(*)	.....	.....	.....	.....
Whiskey Creek	.....	.....	(*)	(*)	(*)	(*)	(*)	.....	.....	.....
Widtsoe	.....	.....	10.0	5.5	2.0	28.0	18.0	(*)	(*)	.....
Winter Quarters	(*)	(*)	(*)	14.4	3.0	52.2	14.4	2.0	.....	.....
Woodruff	.....	T.	2.5	T.	.....	(*)	T.	(*)	(*)	.....
Vermont.										
Bloomfield	.....	.....	4.0	12.0	19.5	16.2	6.8	9.5	.....	66.0
Burlington	.....	.....	0.5	20.5	10.8	13.4	23.5	0.9	.....	69.6
Cavendish	.....	.....	.....	8.9	7.5	21.2	8.0	0.0	.....	45.6
Chelsea	.....	.....	.....	8.0	7.0	19.0	(*)	1.0	.....	.....
Cornwall	.....	.....	2.0	16.0	11.0	17.0	6.0	2.0	.....	54.0
Enosburg Falls	.....	.....	7.0	23.0	20.5	15.0	31.5	7.0	.....	104.0
Northfield	.....	.....	2.0	14.6	6.8	18.5	15.7	0.4	.....	58.0
Rutland	.....	.....	0.7	7.4	12.7	7.3	9.3	0.0	.....	37.4
Somerset	.....	.....	0.8	19.8	19.2	19.2	15.2	3.5	.....	77.7
St. Johnsbury	.....	.....	0.7	12.6	13.9	18.2	9.5	0.5	.....	55.4
Vernon	.....	.....	.....	11.5	6.8	10.5	(*)	(*)	.....	.....
Wells	.....	.....	.....	6.0	10.0	6.5	14.5	(*)	(*)	.....
Woodstock	.....	.....	0.5	10.5	10.0	14.0	14.0	T.	.....	49.0
Virginia.										
Arcola	.....	.....	.....	T.	1.6	3.0	.....	0.1	.....	4.7
Ashland	.....	.....	.....	T.	T.	T.	T.	T.	.....	T.
Blacksburg	.....	.....	.....	T.	2.0	3.0	T.	.....	.....	5.0

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Virginia—Continued.										
Buchanan					T.	3.0				3.0
Burkes Garden			T.	1.0	7.0	3.0	T.	T.		11.0
Callaville					T.					T.
Cape Henry				T.	2.5	T.	T.	T.		2.5
Catawba Sanatorium			T.	0.2	0.8	2.0				3.0
Charlottesville (near)				T.		1.0				1.0
Clarksville						1.0				1.0
Columbia				T.	T.	0.5				0.5
Culpeper					0.5	1.0				1.5
Dale Enterprise				T.	5.0	3.0	T.			8.0
Dante				2.0	9.0	2.0	T.			13.0
Danville					T.	0.5				0.5
Diamond Springs					6.0					6.0
Doswell (near)				(*)		(*)	(*)	(*)	(*)	
Dry Bridge							(*)	(*)		
Elk Knob				1.0	8.5	6.0				15.5
Franklin				T.	T.	T.				T.
Fredericksburg (near)					T.	0.8		0.5		1.3
Hawfield				T.	T.	0.5	T.			0.5
Hopewell				T.						T.
Hot Springs				T.	6.4	3.8	T.			10.2
Ivanhoe					0.5	2.7				3.2
Langley Field				(*)	(*)	(*)				
Lassiter				0.2						0.2
Leeds Manor				T.	4.0	2.0	0.8	T.		6.8
Lexington				T.	1.0	2.0				3.0
Lincoln				2.0	5.0	4.0	T.	T.		11.0
Lynchburg				T.	T.	1.6				1.6
Mayhurst				T.	T.	T.				T.
Mendota				T.	5.0	2.3		T.		7.3
Mineral (near)				T.		T.				T.
Monterey				(*)	2.0	2.5	0.2	0.4		
Mount Weather				T.	2.0	T.	T.			2.0
Narrows					5.0	2.0				7.0
New Canton				T.	T.	0.5				0.5
Newport News				T.	3.0	T.		T.		3.0
Norfolk				T.	4.5	T.		T.		4.5
North Holston				T.	4.8		T.			4.8
Onley					4.0					4.0
Quantico						1.2				1.2
Radford				T.	3.0	3.0				6.0
Randolph						0.2				0.2
Richmond				T.	T.					T.
Roanoke			T.	T.	T.	T.				T.
Rockymount					1.0	2.0				3.0
Runnymede (near)				T.	T.	T.	T.			T.
Speers Ferry				T.	4.0	1.0				5.0
Staunton				T.	5.5	1.5	T.			7.0
Swansonville						T.				T.
Warsaw						T.		0.2		0.2
West Point						T.		T.		T.
Williamsburg						T.		T.		T.
Winchester				T.	9.1	2.4	1.0	1.5		14.0
Woodstock				T.	6.0	1.5		T.		7.5
Wytheville				0.1	4.8	0.4	T.			5.3
Washington.										
Aberdeen								T.		T.
Anacortes						T.				T.
Anatone			0.1	6.0	8.0	(*)	22.0	T.	(*)	
Attalia			T.	0.9		0.2				1.1
Bedal	(*)	(*)		5.5	8.0	23.0	25.5	2.8	(*)	
Beehive Ranger Station	(*)	(*)	(*)	(*)	13.0	24.0	(*)	(*)	(*)	
Bellingham	*					5.5	5.0			10.5
Blaine					T.	8.3	4.0			12.3
Blewett	(*)	(*)	2.0	13.0	32.0	31.0	8.0		(*)	
Bremerton					(*)					
Brewster			0.6	5.0	8.0	10.5	(*)			

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Washington—Continued.										
Buckley				T.	1.1	0.8	0.3			2.2
Bumping Lake		T.	11.5	21.0	35.0	58.5	16.0	T.	T.	142.0
Camp Lewis	(*)	(*)	(*)	(*)	(*)	(*)	T.			
Castle Rock						T.				T.
Cedar Lake			3.0	8.5	1.5	29.0	2.5	T.		44.5
Centralia			T.		T.					T.
Chiwaukum	(*)	(*)	(*)	14.5	40.0	23.0	16.5		(*)	
Clearbrook						16.0	2.0			18.0
Cle Elum			3.0	8.0	21.0	29.0	26.0			87.0
Colfax			1.0	3.0	1.0	23.0	5.5			33.5
Colville			3.0	8.0	9.3	17.0	4.0			41.3
Conconully			1.0	7.8	16.5	19.0	1.8			46.1
Cougar	(*)	(*)	(*)	3.0	1.0	22.0	18.0	(*)	(*)	
Coupeville						T.				T.
Cowiche			0.2	4.8	6.0	10.0	2.2	T.		23.2
Darrington	(*)	(*)	(*)	(*)		(*)	(*)	(*)	(*)	
Davenport			2.0	7.0	6.0	23.0	7.0			45.0
Davis Ranch			4.5	17.2	15.2	74.0	36.2			147.1
Dayton			T.	T.	2.6	10.3	T.			12.9
Deer Park			3.0	12.0	3.5	23.0	4.5	T.	T.	46.0
Detroit						T.				T.
Dirtyface Mountain		T.	3.8	34.0	64.8	57.0	27.2	T.	T.	186.8
Douglas Lake										0.0
Dryden			1.2	14.9	58.0	37.0	10.2			121.3
Ellensburg			T.	4.5	7.0	6.0	4.0			21.5
Everett						T.				T.
Fairfax					8.8	9.4				18.2
Forks				T.		T.	T.			T.
Fort Simcoe	(*)	(*)	T.	4.0	9.0	20.6				
Glacier	(*)	(*)	(*)	(*)		20.5	(*)			
Glenoma	(*)					3.0	3.0			
Gold Creek			4.0	10.0	22.0	23.0	10.5			69.5
Gold Hill	(*)	(*)	(*)	(*)	64.0	80.0	30.0	6.0	(*)	
Goldendale			0.2	T.	4.0	10.0	(*)			
Granger (near)				1.5	(*)	(*)				
Granite Falls			(*)	(*)	1.0	T.	0.5			
Hanford			T.	1.2	5.0	3.0				9.2
Harrington			1.5	(*)	1.0	13.5	3.5			
Hatton			1.0	3.5	0.6	2.8	0.4			8.3
Headworks				T.	0.5	1.5	T.			2.0
Hunters			2.0	9.0	9.5	10.9	0.8			32.2
Huntsville			1.0	3.0	1.5	7.9	(*)			
Ione			2.5	13.8	(*)	(*)	(*)	(*)	(*)	
Irene Mountain		T.	1.5	6.8	9.6	19.2	1.9		1.5	40.5
Kahlotus			1.5	3.0	0.5	2.0	T.			7.0
Kalama (near)				T.		T.				T.
Kennewick			T.	T.		T.				T.
Kent (near)										0.0
Kettle Falls			3.0	10.5	6.5	11.0				31.0
Keystone			1.5	2.0	0.5	7.0	(*)			(*)
Kiona			0.5	3.0	3.0	0.2				6.7
La Center				0.2		T.				0.2
La Crosse			1.0	4.5	2.0	8.5	1.5			17.5
Lake Clealum			5.5	20.5	30.0	52.0	30.0			138.0
Lake Kachess			9.0	23.0	41.0	71.0	53.0	2.0	T.	199.0
Lake Keechelus			3.0	29.0	58.0	87.0	70.0	2.0	1.0	250.0
Lakeside			1.0	3.0	(*)	16.0	1.0			
Landsburg				0.5		T.				0.5
Laurel			4.5	22.6	15.9	36.8	11.4	1.7		92.9
Laurier			2.5	8.2	13.7	19.5	7.7			51.6
Leahy	(*)	(*)	(*)	(*)	(*)	(*)	(*)			
Leavenworth			2.0	20.0	51.5	28.5	14.0			116.0
Liberty Ranger Station	(*)	(*)	(*)	(*)	9.0	17.0	5.0	(*)	(*)	
Lind			1.0	2.0	2.0	13.0	(*)	(*)	(*)	
Lone Tree										0.0
Longmires Springs		T.	24.0	22.0	15.0	51.0	66.5	10.0	4.0	192.5
Lost Creek		T.	2.7	12.2	13.0	17.1	6.5	0.5	0.8	52.6
Lowden (near)				0.5	T.	T.				0.5
Marietta				T.		4.0				4.0

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Washington—Continued.										
Maryhill				1.0	9.0	(*)				
McCumbers Ranch			2.0	21.5	10.1	26.7	4.0	T.		64.3
Mill Creek Intake			0.5	4.5	6.0	25.0	15.0		T.	51.0
Mottinger			T.	0.2	1.2	T.				1.4
Moxee				3.5	5.7	5.4				14.6
Nespelem			2.0	10.0	6.1	7.5	T.			25.6
Newport			1.0	15.0	8.5	24.5	10.5	T.	(*)	
North Head					T.					T.
Oakville				T.		T.	T.			T.
Odessa			2.0	2.5	0.5	11.0	0.5		T.	16.5
Olga				T.		T.	0.5			0.5
Omak			1.0	5.0	12.0	14.0	1.0			33.0
Orient	(*)	(*)	(*)	(*)	11.0	23.5	(*)	(*)	(*)	
Oroville			0.5	4.0	14.8	21.5	T.			40.8
Paradise Inn		(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	
Peola		2.7	2.8	8.1	9.3	36.7	17.7	6.1	1.3	84.7
Pomeroy			T.	1.3	0.5	8.0	4.0			13.8
Port Angeles				T.	T.	0.2				0.2
Port Townsend										0.0
Poulsbo						1.0	T.		(*)	
Prosser			T.	3.8	3.5	3.2				10.5
Pullman			1.5	3.5	1.5	34.5	1.0			42.0
Puyallup					T.	T.				T.
Quiniault	(*)	(*)	(*)	(*)	(*)	(*)				
Republic		0.1	2.3	10.0	17.0	22.3	3.0	T.	T.	54.7
Rimrock			4.8	7.8	34.0	33.5	17.5	3.5		101.1
Ritzville			1.0	2.2	0.5	7.5	1.5			12.7
Rockdale	(*)	(*)	9.0	24.0	41.0	115.0	(*)	(*)	(*)	
Rock Island	(*)	(*)	(*)	(*)	(*)	17.5	3.5			
Rosalia			1.2	4.1	1.7	19.3	3.8			30.1
Seattle				T.		T.				T.
Sedro Woolley						1.0				1.0
Sequim			(*)							
Sixprong				(*)	3.0	3.5				
Snohomish										0.0
Snoqualmie Falls										0.0
Snoqualmie Pass		2.0	32.0	50.0	72.0	131.0	115.0	16.0	12.0	430.0
Snyders Ranch			1.2	11.0	56.0	31.0	6.0			105.2
South Bend			(*)	(*)	(*)	(*)	(*)			
Spikeman Ranger Station	(*)	(*)	(*)	(*)	23.0	26.0	8.0	(*)	(*)	
Spokane			2.0	4.4	3.2	21.9	4.6			36.1
Sprague (near)			(*)		(*)	(*)	(*)			
Stampede	(*)	(*)	14.0	16.0	28.0	65.0	105.0		(*)	
State University										0.0
Stehekin (near)		(*)	(*)	(*)	53.7	52.5	19.0			
Stokes Ranch			5.0	20.4	42.0	27.2	9.0			103.6
Sumner					T.	T.				T.
Sunnyside				3.7	6.3	(*)	T.			
Tacoma				T.		T.	T.			T.
Tatoosh Island			T.	0.5	0.1	0.3	T.	0.2		1.1
Tieton Canyon			(*)	(*)	(*)	(*)	(*)	(*)	(*)	
Touchet Ridge			1.5	12.0	8.0	56.0	31.0	T.	T.	108.5
Trinidad			1.0	T.	T.	2.0	T.			3.0
Tye	(*)	(*)	28.0	66.0	83.0	100.0	91.0	14.0	(*)	
Twenty-five Mile Creek			1.0	8.0	37.0	36.0	4.0			86.0
Upper Clealum Valley	(*)	6.0	33.0	40.0	81.0	78.0	55.0	9.0	(*)	
Vancouver										0.0
Vashon Island						T.	T.			T.
Wahluke				1.5	5.0	1.5				8.0
Wallace		T.	6.9	12.7	19.6	24.3	4.4	T.		67.9
Walla Walla			1.0	3.1	4.0	5.8	T.			13.9
Wapato			T.	3.5	(*)	4.0				
Washougal (near)			0.2	0.2		0.8				1.2
Waterville			1.0	4.5	13.5	20.5	6.5			46.0
Wenatchee			1.0	1.1	21.4	16.5	1.0			41.0
Wenatchee (near)			1.0	6.0	14.0	29.0	3.0			53.0
Wheeler			1.0	(*)		7.0	(*)			
White Salmon			1.0	4.5	4.5	5.2				15.2
Wilbur			2.0	6.0	8.0	11.5	2.5			30.0

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Washington—Continued.										
Willard	(*)	(*)	(*)	(*)	10.0	30.0	5.0	(*)	(*)	.....
Wind River	.....	.....	5.5	10.0	11.0	30.5	11.5	.....	.....	68.5
Winthrop	.....	.....	1.5	5.4	(*)	(*)	(*)	.....	.....	.....
Yacolt	.....	.....	T.	1.0	.....	1.0	.....	.....	.....	2.0
Yakima	.....	.....	T.	4.2	4.3	6.8	T.	.....	.....	15.3
Yale	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
West Virginia.										
Bancroft	.....	.....	.....	1.0	5.5	0.5	0.5	.....	.....	7.5
Bayard	(*)	(*)	(*)	(*)	(*)	16.5	(*)	5.0	(*)	.....
Beckley	.....	.....	(*)	(*)	(*)	(*)	(*)	(*)	.....	.....
Bens Run	.....	.....	.....	2.5	4.0	3.0	1.0	.....	.....	10.5
Bluefield	.....	.....	T.	3.2	(*)	6.0	(*)	.....	.....	.....
Brandonville	.....	(*)	.....	16.0	(*)	14.5	(*)	T.	.....	.....
Brandywine	.....	.....	.....	T.	7.0	5.0	.....	.....	.....	12.0
Breading	.....	.....	(*)	1.1	(*)	(*)	(*)	(*)	(*)	.....
Buckhannon	.....	.....	T.	4.0	10.0	4.0	0.5	.....	.....	18.5
Burlington	.....	.....	.....	2.0	7.0	4.0	T.	.....	.....	13.0
Camden-on-Gauley	.....	.....	.....	1.3	11.0	7.3	T.	T.	.....	19.6
Charleston	.....	.....	.....	T.	6.5	T.	T.	.....	.....	6.5
Clay	.....	.....	.....	(*)	6.0	T.	T.	.....	.....	.....
Cortland	.....	.....	.....	11.0	10.0	(*)	(*)	(*)	.....	.....
Creston	.....	.....	.....	1.1	4.1	1.0	0.3	.....	.....	6.5
Cuba	.....	.....	.....	0.5	1.5	1.5	0.2	.....	.....	3.7
Dam 12, Ohio River	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Dam 13, Ohio River	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Dam 19, Ohio River	.....	.....	.....	1.2	3.0	1.4	T.	.....	.....	5.6
Dam 20, Ohio River	.....	.....	.....	1.2	3.0	(*)	T.	.....	.....	.....
Dam 22, Ohio River	.....	.....	.....	1.6	3.0	1.4	T.	.....	.....	6.0
Dam 26, Ohio River	.....	.....	.....	T.	2.0	0.9	(*)	.....	.....	.....
Davis	T.	.....	2.0	10.0	15.0	14.5	2.5	2.5	.....	46.5
Elizabeth	.....	.....	.....	(*)	(*)	(*)	(*)	.....	.....	.....
Elkhorn	.....	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Elkins	.....	.....	T.	7.6	13.7	6.5	2.2	0.4	.....	30.4
Evans	.....	.....	.....	0.4	3.0	1.0	.....	.....	.....	4.4
Fairmont	.....	.....	T.	2.0	6.0	1.0	3.0	T.	.....	12.0
Gary	.....	(*)	(*)	2.5	6.2	0.4	T.	.....	.....	.....
Gassaway	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Glenville	.....	.....	.....	1.5	5.5	1.0	1.0	T.	.....	9.0
Grafton	.....	.....	.....	(*)	6.0	(*)	T.	T.	.....	.....
Green Sulphur Springs	(*)	.....	.....	(*)	(*)	8.0	2.0	T.	.....	.....
Harpers Ferry	.....	.....	.....	.....	3.0	2.5	.....	.....	.....	5.5
Hinton	.....	.....	.....	0.5	7.0	T.	.....	T.	.....	7.5
Holcomb	.....	.....	.....	10.0	12.8	11.0	1.5	0.5	.....	35.8
Huntington	.....	.....	.....	1.3	5.8	0.5	1.4	T.	.....	9.0
Kayford	.....	.....	.....	1.0	6.6	2.7	T.	.....	.....	10.3
Lewisburg	.....	.....	.....	0.2	5.0	2.5	T.	.....	.....	7.7
Lost Creek	.....	.....	.....	2.0	7.5	2.5	1.0	T.	.....	13.0
Mannington	.....	.....	.....	3.5	6.0	4.4	3.9	0.1	.....	17.9
Marlinton	.....	.....	T.	1.5	8.5	7.5	T.	T.	.....	17.5
Martinsburg	.....	.....	.....	T.	8.0	2.3	T.	.....	.....	10.3
Moorefield	.....	.....	.....	0.1	8.0	1.5	(*)	T.	.....	.....
Morgantown	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....	.....
Moundsville	.....	.....	.....	0.5	(*)	1.5	3.3	.....	.....	.....
New Cumberland	.....	.....	T.	2.3	4.5	3.1	2.7	T.	.....	12.6
New Martinsville	.....	.....	.....	(*)	3.5	T.	T.	T.	.....	.....
Parkersburg	.....	.....	T.	1.8	3.4	1.6	0.4	T.	.....	7.2
Parsons	.....	T.	T.	12.4	5.5	8.0	1.0	(*)	.....	.....
Philippi	.....	(*)	(*)	6.0	(*)	(*)	(*)	(*)	(*)	.....
Pickens	.....	T.	7.0	22.0	28.0	(*)	(*)	3.0	.....	.....
Piedmont	.....	.....	.....	(*)	3.0	4.8	.....	T.	.....	.....
Point Pleasant	.....	.....	.....	1.6	3.0	T.	T.	.....	.....	4.6
Powellton	.....	.....	T.	1.0	8.5	T.	T.	.....	.....	9.5
Raleigh	.....	.....	.....	(*)	9.0	3.8	2.5	0.2	.....	.....
Renick	.....	.....	T.	(*)	7.5	0.1	(*)	.....	.....	.....
Robertsburg	.....	.....	.....	T.	3.0	0.5	T.	.....	.....	3.5
Romney	.....	.....	.....	1.0	8.0	2.0	T.	T.	.....	11.0
Rowlesburg	.....	.....	T.	(*)	(*)	(*)	3.0	(*)	.....	.....
Ryan	.....	.....	.....	1.5	7.0	3.9	1.2	.....	.....	13.6

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
West Virginia—Continued.										
St. Marys	.....	.....	.....	3.5	3.0	1.0	T.	.....	.....	7.5
Sissonville	.....	.....	T.	(*)	(*)	(*)	(*)	(*)	(*)	.....
Smithfield	.....	.....	T.	6.5	7.8	7.5	1.0	0.5	.....	23.3
Spencer	.....	.....	.....	3.5	4.0	T.	T.	(*)	(*)	.....
Sutton	.....	.....	.....	7.0	12.0	4.0	T.	.....	.....	23.0
Terra Alta	.....	(*)	1.0	17.0	16.0	13.5	9.5	2.0	.....	.....
Union	.....	.....	.....	(*)	7.0	(*)	.....	.....	.....	.....
Upper Tract	.....	.....	.....	T.	10.0	(*)	T.	.....	.....	.....
Wardensville	.....	.....	.....	T.	10.5	1.0	T.	T.	.....	11.5
Wellsburg	.....	.....	T.	1.0	3.0	1.0	(*)	T.	.....	.....
Weston	.....	.....	.....	3.5	8.0	3.0	T.	.....	.....	14.5
Wheeling	.....	.....	T.	0.8	3.1	2.6	1.3	0.2	.....	8.0
White Sulphur Springs	.....	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Williamson	.....	.....	.....	T.	6.5	T.	T.	.....	.....	6.5
Wilsondale	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Wisconsin.										
Antigo	.....	T.	9.0	7.5	2.7	15.5	3.2	1.2	.....	39.1
Appleton	.....	T.	2.5	9.1	10.0	7.2	1.2	(*)	(*)	.....
Ashland	.....	T.	7.5	13.3	6.7	16.6	T.	T.	.....	44.1
Baraboo	.....	T.	3.0	9.0	6.0	12.0	(*)	T.	.....	.....
Barron	.....	T.	3.0	6.5	2.0	16.0	(*)	T.	.....	.....
Beloit	.....	.....	T.	5.5	3.0	4.7	(*)	.....	.....	.....
Big St. Germain Dam	.....	.....	7.0	14.5	5.0	11.0	1.0	2.0	.....	40.5
Brodhead	.....	T.	T.	7.0	3.0	9.0	6.0	.....	.....	25.0
Burnett	T.	T.	T.	6.2	3.8	4.0	0.7	3.9	.....	18.6
Cecil	.....	T.	4.0	8.5	9.0	14.0	5.0	T.	T.	40.5
Cornucopia	.....	T.	1.2	12.6	9.2	12.0	0.9	0.5	.....	36.4
Crandon	T.	T.	8.0	12.0	2.7	18.0	2.0	2.0	.....	44.7
Darlington	.....	.....	0.4	4.7	4.3	7.7	5.8	.....	.....	22.9
Deerskin Dam	T.	T.	6.9	14.9	8.6	11.7	0.5	T.	.....	42.6
Delavan	.....	.....	T.	6.3	4.0	7.3	8.0	T.	.....	25.6
Downing	.....	T.	6.0	6.0	4.0	18.0	5.0	T.	.....	39.0
Eau Claire	.....	T.	4.5	6.5	6.6	9.9	1.5	5.8	.....	34.8
Florence	T.	(*)	22.5	(*)	(*)	(*)	(*)	.....	.....	.....
Fond du Lac	.....	T.	T.	8.5	8.0	6.5	T.	T.	.....	23.0
Grand Rapids	.....	T.	12.0	7.0	9.0	6.7	7.0	4.6	.....	46.3
Grand River Locks	.....	.....	2.0	7.5	4.5	4.0	2.0	T.	.....	20.0
Grantsburg	.....	.....	2.0	(*)	(*)	(*)	(*)	2.0	.....	.....
Green Bay	.....	.....	T.	7.4	8.5	8.0	1.8	T.	.....	25.7
Hancock	.....	T.	6.0	6.8	7.8	7.7	(*)	T.	.....	.....
Hatfield	.....	T.	2.0	4.2	4.7	9.0	1.6	T.	.....	21.5
Hayward	.....	1.0	T.	13.3	6.0	17.5	5.0	T.	.....	42.8
High Falls	.....	T.	11.7	(*)	8.0	23.5	1.0	1.0	.....	.....
Hillsboro	.....	.....	8.0	8.0	7.0	15.0	T.	T.	.....	38.0
Iron River	T.	0.9	2.0	12.1	5.5	13.8	1.2	T.	.....	35.5
Kewaunee	.....	.....	T.	6.0	14.0	6.0	5.0	T.	.....	31.0
Koepenick	.....	T.	16.0	(*)	(*)	(*)	(*)	(*)	(*)	.....
La Crosse	.....	T.	6.0	4.4	10.0	14.0	T.	0.6	.....	35.0
Lake Mills	.....	T.	T.	3.0	1.1	(*)	2.0	T.	.....	.....
Lancaster	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Long Lake	T.	0.9	8.0	6.0	4.2	12.2	1.8	T.	.....	33.1
Madison	.....	T.	1.0	11.8	4.3	11.0	3.7	T.	.....	31.8
Manitowoc	.....	.....	.....	10.2	8.8	6.0	2.0	3.0	.....	30.0
Marinette	(*)	(*)	(*)	(*)	(*)	9.5	3.0	1.0	.....	.....
Marshfield	.....	T.	8.0	4.5	3.5	8.3	2.8	2.0	.....	29.1
Mather	.....	T.	(*)	5.0	5.0	9.0	5.0	T.	.....	.....
Mauston	.....	.....	(*)	10.5	6.5	(*)	8.5	(*)	.....	.....
Meadow Valley	.....	T.	8.0	5.5	10.5	12.5	1.0	6.0	.....	43.5
Medford	.....	T.	6.0	9.0	4.0	14.5	4.0	1.0	.....	38.5
Menasha	.....	T.	0.5	6.0	7.8	(*)	1.0	T.	.....	.....
Merrill	.....	.....	6.0	6.6	5.2	13.5	6.1	0.3	.....	37.7
Milwaukee	.....	.....	T.	9.8	4.3	8.9	10.2	T.	.....	33.2
Minocqua	.....	T.	9.5	(*)	5.0	11.5	3.0	T.	T.	.....
Mondovi	.....	.....	4.0	5.5	9.0	18.7	(*)	.....	.....	.....
Mount Horeb	.....	.....	3.0	10.0	7.2	13.0	(*)	.....	.....	.....
Muscoda	.....	.....	7.5	(*)	3.4	(*)	.....	.....	.....	.....
Neillsville	.....	T.	6.0	7.3	6.4	10.3	2.1	2.0	.....	34.1

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec	Jan.	Feb.	Mar.	Apr.	May.	
Wisconsin—Continued.										
New London	.....	T.	10.0	6.0	10.5	18.0	T.	.....	.....	44.5
Oconto	(*)	.....	T.	(*)	15.0	15.0	(*)	T.	.....	.....
Osceola	T.	.....	1.0	9.0	7.0	6.0	9.0	1.1	.....	33.1
Oshkosh	.....	T.	2.0	6.0	5.8	3.0	3.0	T.	.....	19.8
Park Falls	T.	T.	7.0	12.0	5.0	12.5	3.5	1.0	T.	41.0
Pine River	.....	0.5	3.5	9.3	5.6	11.5	0.5	1.8	.....	32.7
Plum Island	.....	.....	1.0	(*)	12.1	12.0	1.0	.....	.....	.....
Plymouth	.....	T.	0.5	5.5	5.0	9.6	0.3	1.0	.....	21.9
Portage	.....	T.	2.0	9.4	5.0	6.2	3.5	T.	.....	26.1
Port Edwards	.....	.....	11.0	(*)	(*)	(*)	(*)	.....	.....	.....
Port Washington	.....	.....	.....	3.5	5.0	(*)	0.2	.....	.....	.....
Prairie du Chien	.....	.....	5.0	4.5	4.0	12.5	.....	T.	.....	26.0
Prairie du Sac	.....	T.	0.2	7.5	2.0	8.8	T.	.....	.....	18.5
Prentice	.....	T.	4.0	10.2	3.4	12.7	4.8	2.3	T.	37.4
Racine	.....	T.	T.	11.0	1.0	3.0	5.0	.....	.....	20.0
Reedsburg	.....	T.	3.0	6.5	6.0	13.8	1.0	T.	.....	30.3
Rest Lake	.....	.....	4.0	5.0	(*)	14.5	(*)	.....	.....	.....
Rhinelander	.....	.....	6.5	10.5	4.0	14.5	T.	T.	.....	35.5
Ripon	.....	T.	3.2	8.1	6.3	9.0	1.3	0.5	.....	28.4
River Falls	.....	.....	4.5	6.4	5.5	13.5	(*)	(*)	(*)	.....
Sheboygan	.....	(*)	(*)	(*)	(*)	(*)	(*)	T.	.....	.....
Shullsburg	.....	T.	2.0	9.5	2.0	(*)	(*)	(*)	(*)	.....
Solon Springs	.....	T.	T.	13.0	1.0	19.0	T.	2.0	.....	35.0
Sparta	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Spooner	.....	0.4	1.0	8.5	3.8	13.8	1.0	T.	.....	28.5
Stanley	.....	0.8	5.2	9.0	3.5	16.5	1.4	2.0	.....	38.4
Stevens Point	.....	T.	8.0	4.5	10.0	12.5	1.0	4.5	.....	40.5
Sturgeon Bay	.....	T.	1.0	3.0	6.0	7.0	T.	1.0	.....	18.0
Sugar Camp Dam	.....	.....	8.0	4.0	6.5	11.5	2.2	T.	.....	32.2
Superior	.....	T.	0.3	14.3	3.2	9.5	0.3	T.	.....	27.6
Tomahawk	.....	T.	5.2	7.0	4.0	10.8	0.5	0.8	.....	28.3
Twin Lakes Dam	(*)	15.3	10.5	(*)	(*)	11.5	T.	13.0	.....	.....
Viroqua	.....	T.	11.0	6.5	10.0	11.0	T.	1.0	.....	39.5
Vudesare	(*)	(*)	(*)	7.5	8.5	14.5	(*)	(*)	(*)	.....
Watertown	.....	T.	T.	14.6	7.7	6.0	3.2	T.	.....	31.5
Waukesha	.....	T.	T.	8.0	4.0	9.0	12.0	T.	.....	33.0
Waupaca	.....	T.	12.0	7.5	11.0	15.2	1.0	8.0	.....	54.7
Wausau	.....	T.	7.4	5.8	4.1	12.6	1.4	0.8	.....	32.1
Weyerhauser	T.	0.5	4.0	11.6	4.5	13.0	0.8	1.0	.....	35.4
Whitehall	.....	(*)	(*)	8.0	7.0	10.0	2.0	5.0	.....	.....
Winter	.....	1.5	3.5	10.5	4.0	14.0	1.0	1.5	.....	36.0
Wyoming.										
Afton	.....	0.9	4.0	1.2	5.0	18.1	10.5	9.8	T.	49.5
Alta	.....	3.0	11.4	14.1	5.6	28.0	12.1	5.0	.....	79.2
Arapahoe	.....	1.2	3.7	4.0	.....	4.5	1.8	4.0	7.0	26.2
Archer	(*)	(*)	(*)	(*)	.....	(*)	(*)	(*)	T.	.....
Arlington	.....	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Barnum	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....	.....
Basin	.....	.....	5.7	3.8	6.8	1.8	1.0	.....	.....	19.1
Bedford	.....	9.0	13.0	7.7	10.0	47.0	27.0	13.0	1.0	127.7
Big Creek	.....	4.5	16.0	7.6	5.7	14.6	14.1	(*)	3.0	.....
Border	.....	3.3	3.5	4.1	T.	(*)	(*)	(*)	0.6	.....
Boyd	.....	7.7	7.5	11.2	6.3	10.0	9.2	13.5	1.5	66.9
Buffalo	.....	.....	0.8	1.5	5.6	1.4	0.7	7.0	.....	17.0
Burns	(*)	(*)	(*)	(*)	(*)	(*)	(*)	6.0	T.	.....
Casper	.....	T.	7.5	7.0	.....	8.7	3.8	6.3	7.0	[1] 42.3
Centennial	T.	5.6	8.2	9.7	1.0	14.7	7.6	8.8	0.1	55.7
Cheyenne	1.2	0.2	8.9	7.9	T.	2.9	13.8	7.0	1.3	[1] 44.8
Chugwater	T.	T.	1.9	2.0	.....	9.0	10.0	12.0	(*)	.....
Clark	.....	3.0	7.5	0.7	0.5	3.1	3.2	0.2	T.	18.2
Clearmont	(*)	T.	3.0	2.0	4.9	2.2	(*)	T.	.....	.....
Cody	.....	T.	16.0	T.	0.5	3.5	0.2	(*)	0.5	.....
Cokeville	.....	1.5	7.5	4.0	T.	14.0	(*)	(*)	(*)	.....
Colony	.....	.....	4.0	9.0	1.0	4.7	9.5	14.0	T.	42.2
Crandall Creek	4.0	11.5	8.0	(*)	(*)	(*)	(*)	(*)	(*)	.....

[1] Includes June, 1919: Casper, 2.0; Cheyenne, 1.6.

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Wyoming—Continued.										
Crow Hill	.....	.....	8.2	4.2	(*)	4.2	5.6	11.5	.....	.....
Deaver	.....	.....	8.0	1.5	4.0	1.5	T.	.....	.....	15.0
Dome Lake	7.0	18.0	16.5	17.5	8.5	11.3	22.0	39.0	17.5	[1] 159.3
Douglas	.....	0.5	4.7	4.7	T.	7.1	3.1	11.5	0.5	[1] 34.1
Dubois	.....	T.	2.0	2.5	1.0	4.5	2.0	2.0	T.	14.0
Dutch Joe	.....	3.0	11.4	(*)	(*)	(*)	(*)	(*)	(*)	.....
Echeta	.....	T.	4.0	8.0	6.0	2.5	(*)	13.0	T.	.....
Eden	(*)	0.5	1.0	T.	.....	7.0	T.	12.0	.....	.....
Elk Mountain	.....	T.	(*)	T.	(*)	(*)	(*)	25.0	.....	.....
Emblem	.....	.....	5.0	1.5	1.5	.....	0.5	(*)	.....	.....
Encampment	.....	T.	14.3	(*)	(*)	9.7	3.1	2.5	0.1	.....
Ervay	2.0	T.	13.2	14.0	T.	8.0	6.0	14.0	8.0	[1] 73.2
Evanston	.....	1.0	6.4	T.	.....	8.5	2.0	7.0	1.5	26.4
Fort Laramie	.....	.....	6.6	5.1	1.5	10.7	4.5	(*)	.....	.....
Foxpark	0.6	18.1	19.0	18.5	7.0	11.0	13.0	14.5	(*)	.....
Gillette	(*)	(*)	(*)	(*)	2.0	3.4	0.5	3.5	(*)	.....
Green River	.....	T.	(*)	1.8	.....	(*)	(*)	(*)	.....	.....
Hecla	0.1	1.0	16.1	8.9	0.2	4.1	(*)	5.0	1.0	.....
Hunters Station	T.	3.0	(*)	(*)	(*)	(*)	(*)	(*)	11.0	.....
Hyattville	.....	.....	0.4	(*)	.....	0.6	(*)	.....	0.2	.....
Jackson	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Jireh	.....	.....	(*)	*)	(*)	(*)	(*)	(*)	(*)	.....
Kendall	(*)	3.3	5.0	2.3	6.9	(*)	(*)	4.5	.....	.....
Kirtley	.....	.....	5.0	16.0	8.0	15.0	8.5	21.0	.....	[1] 79.5
Knowles	.....	T.	7.4	11.5	T.	7.5	11.3	34.3	5.0	77.0
Lagrange	T.	.....	5.3	10.9	0.7	10.0	9.5	10.0	(*)	.....
Lander	.....	T.	9.3	12.2	.....	7.5	1.4	2.3	2.2	34.9
Laramie	T.	1.0	(*)	(*)	T.	3.0	4.0	(*)	T.	.....
Lenore	(*)	(*)	3.5	(*)	.....	3.0	(*)	1.0	(*)	.....
Lovell	.....	(*)	2.0	0.9	5.2	1.0	T.	T.	.....	.....
Lusk	.....	.....	0.6	0.6	1.5	6.0	6.0	8.0	.....	22.7
Middle Fork Ranger Station	.....	3.0	24.0	22.0	.....	21.0	6.0	28.0	9.0	[1] 117.0
Moran	.....	4.0	6.0	6.0	10.0	(*)	(*)	.....	.....	.....
Newcastle	.....	T.	7.5	2.9	0.6	13.5	3.0	3.0	.....	30.5
Painter	(*)	(*)	(*)	(*)	.....	3.0	.....	6.0	1.0	.....
Pathfinder	.....	T.	(*)	5.0	.....	6.3	1.0	11.0	T.	.....
Pavillion	(*)	(*)	(*)	(*)	(*)	(*)	(*)	11.2	1.5	.....
Pine Bluffs	(*)	(*)	7.5	3.0	T.	3.5	(*)	(*)	.....	.....
Pinedale	T.	1.9	2.8	1.3	T.	19.5	8.2	5.5	.....	39.2
Powell	.....	T.	6.7	T.	0.1	T.	T.	T.	.....	6.8
Rawlins	.....	3.0	14.0	T.	T.	7.0	3.5	11.0	T.	38.5
Riverton	.....	T.	2.0	4.5	.....	(*)	3.0	4.0	4.0	.....
Rock River	1.0	.....	9.5	5.1	(*)	(*)	(*)	(*)	(*)	.....
Rockypoint	.....	T.	7.5	8.2	1.0	4.4	4.0	10.0	4.5	39.6
Saratoga (near)	.....	1.0	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Sheridan	.....	T.	5.5	1.6	7.4	3.0	4.6	1.0	T.	23.1
Sheridan Creek	(*)	2.0	5.0	3.5	1.0	12.0	10.0	6.0	1.0	.....
Sheridan Field Station	.....	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Shoshone Dam	T.	T.	9.3	5.2	T.	0.5	1.8	T.	2.2	19.0
South Pass City	.....	0.5	10.0	7.5	T.	23.7	4.2	17.0	5.0	[1] 69.9
Spencer (near)	.....	.....	2.0	3.0	.....	8.5	5.0	10.0	.....	28.5
Sundance	T.	1.0	9.0	9.5	3.0	11.0	7.0	33.0	T.	73.5
Superior	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	T.	.....
Thermopolis	.....	.....	(*)	4.5	.....	(*)	(*)	(*)	(*)	.....
Timber Creek	1.0	1.5	12.2	13.5	T.	9.5	3.0	10.0	(*)	.....
Upton	(*)	(*)	(*)	(*)	(*)	8.5	9.5	15.0	.....	.....
Valley	.....	.....	11.0	(*)	(*)	6.0	(*)	(*)	(*)	.....
Verona	.....	.....	2.0	4.0	6.0	3.0	4.0	3.0	.....	22.0
Wheatland	0.2	0.5	5.2	4.8	.....	10.5	(*)	9.4	.....	.....
Willow Springs Ranger Station	.....	2.0	5.7	15.5	4.0	6.0	12.5	32.0	.....	77.7
Worland	.....	.....	0.5	3.0	0.2	1.6	0.6	(*)	(*)	.....
Wyncote	.....	.....	3.0	2.6	.....	7.0	(*)	3.0	.....	.....
Yellowstone Park	.....	5.0	5.9	3.9	10.0	18.2	9.8	7.8	5.6	66.2

[1] Includes June, 1919: Dome Lake, 2.0; Douglas, 2.0; Ervay, 8.0; Kirtley, 0.0; Middle Fork Ranger Station, 4.0; South Pass City, 2.0.

Monthly and seasonal snowfall, 1918–19—Continued.

Stations.	1918				1919					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Canadian stations.										
St. Johns, Newfoundland	.....	.....	4.0	23.0	13.0	16.0	2.0	7.0	T.	65.0
Sydney, Cape Breton Island	.....	.....	1.5[1]	29.5	13.0	25.5	0.5	9.5	.....	79.5
Halifax, Nova Scotia	.....	0.4	4.1	24.3	5.8	10.0	3.0	5.1	0.6	53.3
Yarmouth, Nova Scotia	.....	5.6	1.0	19.2	6.1	1.4	2.1	6.3	.....	41.7
Charlottetown, Prince Edward Island	.....	.....	11.3	26.2	11.2	22.1	3.0	10.0	2.0	85.8
Chatham, New Brunswick	.....	T.	10.6	23.0	31.5	20.8	16.6	14.0	.....	116.5
Father Point, Quebec	.....	.....	5.4	11.7	45.4	20.5	15.5	15.5	.....	114.0
Quebec, Quebec	.....	1.7	10.5	24.9	33.4	19.6	28.6	13.1	.....	131.8
Montreal, Quebec	.....	.....	3.2	18.4	16.8	18.6	43.2	4.4	.....	104.6
Stonecliffe, Ontario	.....	.....	2.6	16.4	13.7	9.8	4.0	4.5	.....	51.0
Ottawa, Ontario	.....	.....	8.8	24.2	19.3	15.4	23.4	5.5	.....	96.6
Kingston, Ontario	.....	.....	0.9	11.9	11.7	4.0	14.2	0.2	.....	42.9
Toronto, Ontario	T.	.....	1.9	16.0	4.3	5.0	6.8	2.6	.....	36.6
White River, Ontario	.....	T.	5.7	16.5	14.7	5.9	7.4	2.0	2.4	54.6
Port Stanley, Ontario	.....	.....	T.	5.6	4.9	6.8	10.7	6.5	.....	34.0
Southampton, Ontario	T.	.....	6.0	21.7	21.0	8.2	16.5	1.5	.....	74.9
Parry Sound, Ontario	.....	.....	6.0	16.4	33.0	33.0	2.0	0.5	.....	90.9
Port Arthur, Ontario	.....	T.	0.2	10.2	2.6	8.5	9.7	T.	0.5	31.7
Winnipeg, Manitoba	.....	3.0	5.8	13.1	1.8	4.5	12.9	4.0	.....	45.1
Minnedosa, Manitoba	.....	0.2	6.4	5.3	7.4	4.9	11.2	0.5	.....	35.9
Qu'Appelle, Saskatchewan	.....	0.2	3.0	7.1	6.6	13.8	13.2	2.0	.....	45.9
Medicine Hat, Alberta	.....	0.5	2.1	8.8	.....	3.5	5.3	2.4	.....	22.6
Swift Current, Saskatchewan	.....	0.8	6.9	10.1	5.0	5.0	9.2	11.8	0.8	49.6
Calgary, Alberta	.....	0.2	1.0	8.2	3.4	11.2	5.5	.....	4.8	[1] 34.4
Banff, Alberta	.....	0.3	7.1	27.7	20.7	8.5	18.4	3.9	7.9	[1] 98.0
Edmonton, Alberta	.....	0.5	2.9	16.5	10.6	5.4	5.0	T.	9.2	50.1
Prince Albert, Saskatchewan	.....	0.4	3.1	4.8	9.3	1.6	8.2	.....	.....	27.4
Battleford, Saskatchewan	.....	T.	1.2	6.3	7.4	3.0	5.7	.....	.....	23.6
Kamloops, British Columbia	.....	.....	0.2	8.5	0.7	8.5	10.7	.....	.....	28.6
Victoria, British Columbia	.....	.....	.....	T.	.....	0.1	T.	.....	.....	0.1
Barkerville, British Columbia	.....	12.9	44.2	39.0	23.0	5.7	36.8	15.4	11.8	[1] 200.0
Hamilton, Bermuda	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0

[1] Banff includes July, 1918, 3.0, and June, 1919, 0.5; Calgary includes July, 1918, 0.1; Barkerville includes June, 1919, 11.2.