U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU

REPORT

OF THE

CHIEF OF THE WEATHER BUREAU

1923-1924

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LETTER OF TRANSMITTAL

UNITED STATES DEPARTMENT OF AGRICULTURE,
WEATHER BUREAU,
Washington, September 12, 1924.

SIR: I have the honor to submit herewith a report of the operations of the Weather Bureau, during the fiscal year ended June 30, 1924.

Respectfully,

C. F. MARVIN,
Chief of Bureau.

HON. HENRY C. WALLACE,
Secretary of Agriculture.

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PART I

ADMINISTRATIVE REPORT

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REPORT

OF THE

CHIEF OF THE WEATHER BUREAU

Following the final enactment of legislation "for the classification of civilian positions within the District of Columbia and in the field services," and the now thoroughly formulated program of the President for the highest economies with efficiency in the conduct of the business of the executive departments, it seems appropriate to comment briefly upon these topics as they bear upon the personnel, duties, and responsibilities of the Weather Bureau.

By a peculiar course of history, with some other incidental causes, the rate of pay of Weather Bureau men has always been among the lowest in the Government departments. Organized more than 50 years ago, as a branch of the Signal Corps of the Army, the rate of pay began with the soldier's standard of $13 per month, with allowances. Twenty years later the service was transferred to the Department of Agriculture with rates of pay fixed for the rank and file, thus bodily transferred to civil life, but slightly, if any, above the low pay then received in the military service. Despite numerous efforts to remove the great disparity between the old Weather Bureau scales of pay and those of many other and newer branches of the Government performing like service, little was accomplished until the new classification went into effect on July 1, 1924. This, indeed, marks an epoch in Weather Bureau history and creates a measure of status and opportunity of employment for young educated men that will permit recruiting the service, as necessities require, with that kind and standard of talent so necessary to the advancement of the difficult science of meteorology and its practical application to the benefits of agriculture, commerce, and navigation.

While there is no disposition to express other than gratification at the benefits which classification has conferred upon the Weather Bureau as a whole and the removal to a large degree of the great disparities which previously existed in rates of pay, nevertheless dissatisfaction still remains in a number of cases where, from the very complexity of the vast problem of classification, ideal justice is unattainable or not to be expected at the outset of its operation. Indeed, this is almost wholly caused by a provision of the law itself which, in the case of the Weather Bureau, has operated to fix the compensation of employees at the minimum salary rate of the grade in which their duties fall. In the case of the Weather Bureau, at least 90 per cent of its personnel are at the minimum or below the average salary of the grades to which they have been allocated.

The appropriations made for the Weather Bureau to introduce classification required the dropping of statutory places to the extent of slightly over $21,000 (about 18 places in number). This was carried out as of July 1, but necessitated in certain cases the discontinuance of some lines of work and in others the distribution of duties to employees already quite fully occupied. This operation still further lowers the total number of paid employees of the bureau, notwithstanding that the number for several years past has been held at a very low minimum, necessitated by both the amount and the form of its salary appropriation.

In the matter of promptitude, efficiency, and economy the administration and personnel of the Weather Bureau entertain a just pride in their accomplishments. The weather, like the proverbial "time and tide," waits for no man. All the operations of the bureau are organized around meteorological observations at certain exact hours and minutes, followed in general by telegraphic reports. Forgetfulness, neglect, inattention to duty, tardiness, etc., are attended with immediate serious consequences, and all the exactions of the bureau's work

inculcate habits of industry, promptitude, and the policy of "do it now," which naturally go far beyond the exacting necessities of making observations and the preparation and issue of maps, forecasts, warnings, bulletins, etc., and embrace the entire service of the bureau to the public.

Owing to a peculiarity in the form of the Weather Bureau appropriations for salaries for the past 10 years, it has always been necessary to keep the total number of its employees at the lowest minimum necessary to perform the work effectively. Money to pay necessary additional employees could be obtained only by withholding deserved and well-earned compensation from men already in the service. Accordingly the present organization of the Weather Bureau personnel already represents a high type of industry and economy with efficiency.

The bureau's staff as a whole is literally on duty 365 days of the year, Sundays and holidays alike. Its personnel are the sentries always on guard to warn of the approach of storms, floods, hurricanes, cold waves, etc. They serve the Nation in a thousand beneficial ways, and for many long years with a civil patriotism and loyalty deserving of the fullest possible Federal consideration and recognition.

These comments are submitted on this occasion in hearty sympathy for and with cordial cooperation in the program of the President to reduce the costs of conducting Government business, because it is believed that in the matter of the number of and pay for Federal employees the principle and policy of the highest economy are already in full operation in the Weather Bureau.

A program of economy in the operations of our service is being constantly impressed upon and practiced by all the leaders of our work, both in and out of Washington, and scarcely a week passes without some minor change that accomplishes better results without increase of funds.

In some activities curtailments have been made to the danger point in order that funds might be made available for important needs in other directions. For instance, the period of obtaining observations during the hurricane season from parts of the West Indies and Caribbean Sea has been shortened by six weeks; several valuable reporting stations in Alaska have been closed; the quality of paper used in the printing of weather maps and bulletins has been lowered; and the distribution by circuits of daily weather observations to field stations has been curtailed to a stage scarcely sufficient for forecasting purposes.

There is necessarily a sharp limitation upon possible reductions, however, because almost the entire program of the bureau is one of a daily service to the public everywhere, and especially in the several hundred cities where certain field activities are centered. Curtailment of seemingly the least important of these is immediately followed by objections, protests, and pressure for restorations. In contrast to curtailments and reductions we must recognize that the Nation is steadily growing, cities are increasing in population, and the urban and rural public alike are awakening to the great economic value of Weather Bureau service, thus leading to new demands upon the bureau. These are expressed in many ways, and a few are mentioned, as follows:

A wider distribution of weather reports by telegraph; the locating of special stations for the purpose of securing and telegraphing weather conditions from areas which are inadequately represented by reports now received; the organization of special services in sections where fruits, vegetables, and other products are grown and where intensive and direct service and advices regarding weather and frosts are essential to the fighting of insects and fungi and the cultivation and protection of crops; the telegraphing of the forecasts daily to small towns and communities which can not obtain them in any other way in time to be of service; the establishment of stations for investigating free-air conditions for the benefit of the navigation of the air; and finally, the general betterment of the river and flood work, including the determination of water available in the form of snow on extended regions of the West need increased appropriations. The conditions in the Ohio Valley present a distinct problem. The great engineering project of an extensive system of locks and dams in aid of navigation on the Ohio River is

approaching completion. The successful operation of these locks and dams depends primarily upon accurate daily, and sometimes hourly, information as to precipitation and river stages throughout the entire drainage area of the Ohio River, covering as it does portions of nine States. This information is particularly valuable during the low-water season, when precipitation is frequently very local in character, and when there is but little water in the pools, causing the necessity at times for the creation of artificial pools between dams in order that sufficient water may be had to float the boats. The Weather Bureau is expected to supply this information to those in charge of the locks and dams, but with its present facilities it can do so only in part. Many more stations are needed, a few for additional river gauging, but more for the measurement and reporting of precipitation.

Requests like these are legitimate and represent service which the Weather Bureau is charged by law to perform; in fact, is like that already extended to others earlier in the field. In the aggregate it would require increased appropriations to meet these needs. In urgent cases efforts are made to supply some service, but a process of further attenuation when the spread already is extremely thin is not effective. It is unsatisfactory to deny to one, as must be done, benefits and service that another is receiving, and the one denied has no hesitation in approving the small increases in appropriations his case at least calls for.

While a friendly attitude, which is deeply appreciated, has been shown toward the Weather Bureau estimates by both Congress and the Bureau of the Budget, nevertheless its increases in appropriations for extensions of its work have not fairly kept pace with the legitimate needs which arise entirely because of the natural and steady expansion of agriculture, commerce, and the industries of the Nation.

Some needs, of course, are more pressing than others, and the officers of the bureau mean to press at this time only those extensions which are most urgent. Furthermore, they are convinced that a state of stagnation or, still worse, of reduction in Weather Bureau appropriations under a program of reduction of public expenditures is in itself harmful to the best interests of the Nation, because the service performed by the bureau is so distinctly of direct economic benefit.

FORECAST SERVICE

Distribution of forecasts and weather information.—The activities of the Weather Bureau which come within the purview of the Forecast Division include the procuring of weather reports by telegraph from land stations and vessels at sea for forecasting purposes and the dissemination of forecasts, warnings, and current weather information to the public, and especially to interests concerned with agriculture, commerce, and navigation. These functions represent a large volume of work and a high percentage of the duties of the employees at over 230 field stations, and a number of distinctive projects which are fixed forms of service. Many of these projects have been described in previous reports. However, changing conditions require modifications in methods and procedures which in many cases present new and interesting features and frequently inject problems which, with existing means and facilities, are difficult or impossible to meet. One of these activities which seems to justify special comment relates to the dissemination of forecasts, warnings, and current weather information.

Weather forecasts and warnings are perishable news products. Unless they can be delivered to the reader within a few hours after they are issued they lose much of their value and shortly become worthless except as past history. Prompt and thorough distribution is a problem that has confronted the Weather Bureau since its beginning. No great difficulties had to be overcome in cities and in immediately surrounding rural communities. They were reached with reasonable promptness by means of telegraph, telephone, mails, newspapers, and signal devices. Ships out of sight of land, farmers, cattlemen, and others beyond the range of these facilities and to whom the forecasts and warnings would be of incalculable value were reached with difficulty or not at all; and so it remained for a long time.

The rural mail service seemed a promising medium for extending the benefits of the Weather Bureau to farmers. It helped, but not to the extent that was anticipated, because, as a rule,

carriers start on their routes in the early morning and before the forecasts could be made available to them. However, all morning newspapers publish the forecasts issued the previous evening. Large numbers of farmers subscribe to newspapers, but unfortunately a considerable part of the period covered by the forecasts published in the morning papers has expired by the time the papers are delivered.

The construction of rural telephone systems was the first marked advance in the solution of the problem. They grew rapidly and weather information service to farmers increased proportionately. Just as soon as a rural telephone line was completed arrangements were made to telegraph the forecasts and warnings to designated central stations thereon. Each subscriber is privileged to call central and to ask for the forecasts. In some instances a prearranged and significant ring is given by central at a designated hour, the forecasts are repeated by the operator and everyone desiring to do so listens in. The forecasts are now made available daily before noon to over 7,500,000 rural telephone subscribers.

The most effective method of furnishing farmers with weather forecasts and warnings at the present is by means of rural telephone systems, but this bids fair to be excelled in a short time by radiophone broadcasting. Developments in the latter since January, 1921, when the first regular radiophone broadcasts were begun from the plant operated by the University of Wisconsin at Madison, have been rapid. There are now about 120 broadcasting stations cooperating with the Weather Bureau and nearly all parts of the United States are within their range. The forecasts radiocast from each station are those appropriate to the sections in which it is located; that is, the forecasts for its own State and in some instances those for several surrounding States in addition. Therefore, the potentiality of radiocasting for excelling all other methods in the dissemination of weather information does not depend on either a material increase in the number of broadcasting stations or in the power and range of such stations. It depends on the installing of receiving sets by farmers and residents of rural districts. The splendid entertainment features provided by broadcasting stations perhaps are doing more to encourage such installations than the utilitarian portions of the programs, but, whatever the inducement may be, thousands of receiving sets are being added monthly and in course of time farmers and business men in every remote section will be on equal terms with city residents in obtaining promptly and directly weather forecasts and warnings, which if used advantageously, will add largely to national economies. Commenting on this point the radio editor of the National Stockman and Farmer, under whose auspices forecasts for eight States are broadcast from the radio station (KDKA) operated by the Westinghouse Electric and Manufacturing Co., at Pittsburgh, Pa., said in a recent letter:

> The report as it is now constituted is certainly a beneficial report for this section of the country, and we have received any number of favorable comments on the value of the weather report. Personally, I believe that the time signals and the weather report, in themselves, are worth the price of a radio-receiving set to any farmer.

By these and other means the time seems near at hand when the most remote sections will be able to receive the very latest weather information with the same promptitude as the city dweller.

Fire-weather warnings.—For a number of years the Weather Bureau has been cooperating with the Forest Service and with State and private forestry organizations in the furnishing of forecasts of weather favorable to the inception and spread of forest fires and of the coming of rains in sufficient volume to extinguish fires under way. For the most part this work has been conducted in the Western States and has been referred to in previous reports. The forecasts have been of great value in the preservation of the forests, but it is recognized that the systems of observations from widely separated stations (practically none of them located in the forests) on which the forecasts necessarily have been based are not sufficiently localized and are therefore inadequate to anywhere near as efficient service as could and should be rendered. Funds have not been available for placing this project on an effective basis, involving as it does more or less complete meteorological surveys of forested terrains and a study of topographic peculiarities which have a direct bearing on the weather conditions therein. The problem can not be ap-

proached satisfactorily except by installing meteorological instruments appropriately scattered in the forests and the obtaining of records and reports not only for purposes of study but to provide current data whereby the forecasters may issue advices of a specialized character and applicable to the limited areas for which they are intended.

The situation in the forests of the Pacific Coast States early in the year indicated that a serious condition was likely to exist during the fire-danger season of 1924, and appeal was made to the Weather Bureau for assistance. It was known that the funds of the bureau were far insufficient to provide the service that was necessary, and certain forestry associations agreed to bear the cost of instruments, travel, and other incidental expenses if the Weather Bureau would assign one or two of its meteorological experts to the project. In view of the emergency that seemed to exist and which later events fully justified, the proposal was accepted and two trained meteorologists were assigned to the work. These experts were located at Seattle, Wash., and Portland, Oreg., and they were directed to devote themselves exclusively to the problem. As this work was started practically at the end of the fiscal year encompassed by this report details of results must be reserved for discussion at some future time.

Vessel weather service.—This service in connection with the obtaining of weather reports from vessels at sea was carried forward on the same general lines as heretofore but special efforts were made to secure more reports from ships in the Pacific Ocean. Considerable improvement was accomplished and more reports were obtained than in any previous year. This was due to more direct and closer cooperation on the part of shipping interests and in large measure to the very active interest of the officials of the United States Shipping Board. During the year new directions were issued by that organization to its shipmasters whereby observations from vessels of that fleet are now forwarded twice daily instead of once a day as before. This order also applies to ships plying the Atlantic and other waters from which observations are desired.

A number of changes were made in the schedules of radio broadcasts of weather bulletins, forecasts, and storm warnings for the benefit of ships at sea. Effective announcements of such changes were made in the usual channels and need not be reviewed here.

Aids to aviation.—For several years forecasts and bulletins have been prepared and issued daily for the benefit of aviators, especially those connected with the services of the Army and Navy. A description of this service was contained in the annual report for the fiscal year ended June 30, 1922. When the transcontinental air-mail service was extended across the continent in the early summer of 1924 to include night flying, arrangements were made at the request of the Second Assistant Postmaster General to provide special weather forecasts therefor. These forecasts, issued from the district forecast center at Chicago, are made in two sections, one covering the route from Bryan, Ohio, to Omaha, Nebr., and the other from Omaha to Rock Springs, Wyo. In formulating the forecasts the forecaster has in mind conditions at the surface and between 1,000 and 5,000 feet aloft. The predictions are prepared each morning and are made available to both eastbound and westbound fliers at the air-mail field at Omaha, Nebr. An additional forecast is furnished in the evening whenever, in the judgment of the forecaster, decided changes are in prospect.

Protection of bananas in transit.—Bananas are consumed in great quantities by the people of the United States, the annual imports amounting to approximately 45,000,000 bunches. The distribution of this fruit from the ports of entry to all parts of the country is a highly organized service. The product is very susceptible to weather damage, especially by cold, and protective measures must be employed. Shipments are made in ventilator cars which in some cases are accompanied by attendants or else they are looked after by messengers at designated points en route who adjust the ventilators according to weather conditions expected to occur before the next messenger station is reached. The manager of the southern division of the Fruit Dispatch Co., with headquarters at New Orleans, reported that serious losses occur from sudden drops in temperature because the agent at the previous station did not have knowledge of the approaching cold and failed to properly adjust the ventilators. Appeal was made to the Weather Bureau for assistance, and arrangements for providing special services were made. The company furnished a chart showing the various shipping routes and the location

and names of their agents. The entire area was divided into zones and the duty of rendering service in designated zones was assigned to the officials in charge of Weather Bureau offices best situated to render prompt and efficient service. Wherever a drop to or below freezing temperature is expected within the ensuing 24 to 36 hours a telegram is sent at the expense of the company to the fruit company messengers in the area to be affected. This service was inaugurated in the late fall of 1923 and the results during the past winter were highly beneficial.

Service to beekeepers.—There are certain weather conditions which are of great importance to the honey industry and beekeepers often have difficulty in anticipating them. This is true particularly in the sections where winters are severe and housing during the cold months is necessary. Bees should have a cleansing flight before being placed in winter quarters and it is often a serious problem to determine when this should be allowed. Keepers frequently defer action too long in the hope that mild weather will continue and too often snow or severe cold comes on and finds the bees where they can ill stand the cold weather.

Service in furnishing special forecasts to beekeepers in some of the Northern States, especially in New York, which enables them to avoid hazard and still allow the bees to have the benefit of as long a stay in open weather as is possible, has been given by the Weather Bureau for a number of years, but in the fall of 1923 a special service was inaugurated at the request of the Honey Producers' League whereby the Weather Bureau will wire any beekeeper north of the Ohio River between Ohio and Michigan on the east and Wyoming and Montana on the west whenever in November a day or two with temperatures of over 50° F. and clear weather to be followed by cloudy and colder weather is expected. The keepers who desire the service register their requests at the Weather Bureau office from which the weather forecasts for his particular State are issued and the telegrams are sent at the expense of the recipient. Announcement of the plan was made in the bulletin issued by the Honey Producers' League and a coupon was provided for use in registering request for the service. Unfortunately the project was not begun in time to fairly test the service in a large portion of the area where bees are protected in the winter, but enough to indicate the great value and success of the plan. It will be continued the coming winter and it is probable that eventually it will be nearly nation-wide in its scope.

In New York the service is conducted in cooperation with the State College of Agriculture at Cornell University. It is of a similar character, the particular exception being that the weather forecasts are supplied to the officials of the college in charge of agriculture and they telegraph the advices to key men who distribute them to beekeepers in their communities, and that it also includes springtime service as a guide in removing the bees from cellars under favorable conditions.

A project of the same kind is conducted by the British meteorological service for the benefit of beekeepers in the British Isles. There, however, a fee is charged the keepers for the forecasts, but the United States Weather Bureau makes no charge. The only cost to them is that of a telegram if sent direct, or nothing when obtained from key men.

Combating Mediterranean flour moth in flour mills.—The Mediterranean flour moth is a pest which causes much damage in flour and feed mills. An effective method of combat is to freeze out the moths and larvæ by temperatures from −10° to −20° F., if possible. This can be done at mills located in very cold climates by closing down, drawing furnace fires, draining all water pipes and opening the building, so that the whole interior of the mill may cool to the lowest temperature possible. Obviously the mill owners must have accurate and timely notice of cold waves of the required severity in order that preparations may be made and shut-downs be confined to as brief periods as possible. Successful service of the sort was rendered during the past winter to several large flour mills. The Duluth-Superior Milling Co., Superior, Wis., a large concern having a daily capacity of about 5,500 barrels of flour products and 160 tons of mill feed, in a letter to the official in charge of the Weather Bureau at Duluth, said:

We have just completed our annual freeze-out to check the growth of the millers' pest—the Mediterranean flour moth—and, thanks to the advance information received through your office, we met with very favorable weather conditions. For the past 12 years we have used this method of keeping down the propagation of this

moth and have always depended upon the bureau to furnish us with the right kind of weather. You have never failed us, and we recall especially a few open winters in that period had we not taken advantage of the advice given us we would have been unable to get the proper results. This would have meant a rather serious condition during the summer and fall months in the manufacture of our product.

Service by newspapers.—It is considered pertinent to refer briefly to the extremely important service performed by the newspapers of the country in their relation to Weather Bureau work. Approximately 2,400 daily newspapers are printed in the United States. The weather forecasts are published by practically all of them, the only exceptions being those having only local circulation without telegraphic news or press association affiliations. Generally the forecasts appear in a prominent way on the first page and usually near the title line. In addition, many papers devote considerable column space to the publishing of detailed local weather data, tables showing weather conditions in other cities, special articles, weather stories, news paragraphs, and almost daily comments on current weather.

It would be most ungracious to think of this spontaneous press service in terms of sordid space value, and the press of the Nation is assured that the Weather Bureau esteems its friendly and cordial cooperation of priceless value in the dissemination of its weather advices and indeed indispensable to its efficient functioning.

Study of hurricanes.—During the year an exhaustive study of West Indian hurricanes and other revolving tropical storms of the North Atlantic Ocean was completed by one of the forecasters at the central office. The results of the study are included in Supplement No. 24, of the Monthly Weather Review, now in course of publication.

All available data from ships, as reported to the Hydrographic Office of the Navy and to the marine division of the Weather Bureau for a period of 37 years from 1887 to 1923, inclusive, including the daily weather maps of the Weather Bureau and the publications of various foreign meteorological services, were used in the work of replotting the tracks of all storms of tropical origin.

One of the most important results of the study is the establishment of the fact that there are two principal regions where conditions are most favorable for the development of cyclonic storms in the Tropics, one in the region immediately south and southwest of the Cape Verde Islands in the eastern Atlantic Ocean and the other in the western third of the Caribbean Sea. It was found that no storms of this character developed over the eastern two-thirds of the Caribbean Sea during the entire period of 37 years.

Another important conclusion reached is that a tropical cyclone will recurve to the northward and northeastward at the first favorable opportunity, irrespective of longitude or time of year. That so many of these storms travel far to the westward before recurving is because of the influence of the semipermanent area of high pressure which extends from the vicinity of the Azores west-southwestward to the coast of the South Atlantic States. Whenever there is a temporary breaking down of this area of high pressure to the northward of a hurricane it will immediately start to recurve.

RIVERS AND FLOODS

One of the severe floods of the present fiscal year occurred in the Canadian River of Oklahoma in October, 1923. This flood was caused by two periods of phenomenally heavy rains that began on September 29 and ended about the middle of October. In the valley of the North Fork of the Canadian River the flood was the greatest and most destructive in the history of the valley, and, notwithstanding the ample and timely warnings given by the Weather Bureau, the unpreventable losses reported were over $15,000,000. A large proportion of the season's crops had not been harvested, and 600,000 acres of rich farm lands were overflowed. It will be remembered that a great flood had occurred in the North Canadian River during June of last fiscal year, causing losses amounting to between $5,000,000 and $10,000,000, and another flood of similar proportions in the Arkansas River and its tributaries other than the Canadian, with resulting damage in southeastern Kansas and Oklahoma amounting to over $18,000,000, of which about $5,000,000 occurred in Oklahoma. These figures summarized show that the losses by flood in

Oklahoma during the calendar year of 1923 were between $25,000,000 and $30,000,000, almost entirely in growing and matured crops, and therefore unpreventable.

Another flood of very destructive character during the year was that in the Pittsburgh district of the Ohio River in March, 1924. In this flood rapidly melting snows and high temperatures played an important part. There were no crops endangered and the timely and accurate flood warnings kept the losses down to about $1,000,000, while the reported value of property saved through the warnings was $10,000,000.

The third great flood of the year was the Potomac River flood that occurred coincidently with the upper Ohio River flood, and under the same causative influences. This flood caused unavoidable damage to the extent of about $6,000,000.

Other floods of the year were relatively unimportant, yet they were sufficiently numerous to bring the aggregate of reported flood losses during the year to $29,519,522, while the reported value of property saved through the flood warnings issued by the bureau was $11,942,370, the latter amount being sufficient to maintain the entire Weather Bureau on its present basis for a period of about five years. Obviously all figures must be incomplete, but always on the side of understatement.

AGRICULTURAL METEOROLOGY

Owing to the protracted illness of Prof. J. Warren Smith, the former efficient chief of this division, there has been a material suspension in the research work in the field of agricultural meteorology in which he was a distinguished pioneer. Notwithstanding this handicap and a very limited force the division has accomplished a notable amount of important work under the direction of the efficient assistant chief, J. B. Kincer.

Weather and crop services.—Beginning as of January 7 the summaries of weekly weather and crop conditions were again printed at the Weather Bureau under the title of "Weekly Weather and Crop Bulletin." Some further reference to this matter is made below under printing. The publication of the weekly Corn and Wheat Region Bulletin at Chicago, the Cotton Region Bulletin at New Orleans, the weekly weather and crop summaries at the several section centers, and the daily Cotton and Corn and Wheat Region Bulletins at a number of points in the principal agricultural districts, as well as weekly Cattle Region Bulletins for the western grazing section, was continued as in previous years.

Fruit frost work.—The fruit frost service was maintained in the western fruit districts on about the same basis as during the preceding year. Eight special representatives of the bureau were assigned to duty in the citrus and deciduous fruit districts of the Pacific Coast States during the winter and spring months. This service was unusually successful during the year and was fully appreciated by the fruit interests, who contributed approximately half of the expense.

Other fruit frost activities were conducted during the year in the vicinity of Roswell, N. Mex.; Yuma, Ariz.; Delta and Grand Junction, Colo.; Wichita, Kans.; Peoria, Ill.; St. Joseph and Springfield, Mo.; Pensacola and Tampa, Fla.; Mobile, Ala.; East Wareham, Mass.; and New Lisbon, N. J. Some extension of service was made at Mobile, where the Satsuma orange industry is becoming of much importance.

Atlas of American Agriculture.—Early in the year authority was obtained from the Congressional Joint Committee on Printing for publishing the temperature section of the Atlas of American Agriculture. As eight years of additional data had accumulated since the charts and graphs were prepared for this publication, it was decided to revise such charts as needed revision to represent records practically up to the time of publication. A careful examination of the hundred or more charts and diagrams comprising the temperature section showed that 24 needed revision. The necessary compilation of data for and the revision of these were accomplished in the division without additional assistance, and copy for the section resubmitted to the department for publication.

The 1924 Yearbook.—The 1924 Yearbook committee assigned a section of that publication, 100 to 125 pages, to the Weather Bureau. The acting chief of division was assigned two

subjects for this section, namely, "The Adjustment of Agriculture to Climate, Soil Conditions, and Topography," and "The Influence of Weather on Farm Work and Crop Yields." Copy of the text matter, graphs, and charts were prepared to occupy 65 to 70 pages of the section.

The 1925 Yearbook.—The 1925 Yearbook committee decided to devote that publication to fruits and vegetables. Two subcommittees were appointed, one on fruits and the other on vegetables, the acting chief of division being a member of each. Several committee meetings have been held and a general outline for the Yearbook agreed upon.

Cooperation.—Charts, tabular data, and other material were completed during the year in cooperation with the Spring-Wheat Council in a general survey of land utilization in the Northwest. A publication on the geography of the area was decided upon, a separate of which was assigned to the Weather Bureau, to be entitled "The Climate of the Spring Wheat Region and the Northwestern Great Plains." The acting chief of the division attended a meeting of the Spring-Wheat Council at St. Paul, Minn., in November in connection with the prosecution of its program.

Extension Handbook.—The question of the preparation of a comprehensive departmental Extension Handbook, which had previously been under consideration, was crystallized during the year, with the appointment of a representative from each of the bureaus to form a central committee, for the preparation of material for the publication. The acting chief of division represented the Weather Bureau on this central committee and supervised the preparation of and coordinated and indexed data furnished by the several divisions of the central office for this publication. Copy was furnished for 12 printed pages of the Handbook.

Range committee.—A department committee to consider range problems, in cooperation with representatives from the agricultural colleges and extension services of the western grazing States, included the acting chief of division, who attended a range conference at Fort Collins, Colo., in November. Among other things agreed upon was the preparation of a range teaching manual, Weather Bureau material for which has been supplied.

Other committees.—The acting chief served also on the Ozark committee, appointed to consider an agricultural program for the Ozark region, and data were submitted on the climatic characteristics and Weather Bureau work in this connection. Other committee services included motion pictures and exhibits.

Educational work.—The acting chief of division was assigned by the department committee on educational work to substitute for Dr. H. L. Shantz in lectures on plant geography during December and part of January, two lectures each week of one hour each being given. These dealt with the general subject of meteorology and the influence of climate on the geographic distribution of vegetation in general, and different varieties of plants in particular.

STATIONS AND ACCOUNTS DIVISION

Weather Bureau quarters in the field.—The maintenance of office quarters in the field during the year has been carried out efficiently, despite difficulties encountered through the very general demand for increased rentals for quarters by lessors and the limited funds available for this purpose.

Removals to cheaper rented quarters have been made in a few cases and space reduced wherever possible. By these means demands for increased rentals of $2,388.64, at the beginning of the fiscal year, were avoided. During the year quarters were moved at Knoxville, Tenn., and Louisville, Ky., and space reduced at the Reading, Pa., and Tonopah, Nev., stations, with resulting additional saving of $1,195. This procedure, however, has been carried so far in the last several years that little more can be hoped for along this line. Change of quarters is made especially difficult because of the necessity of securing offices only where suitable exposure may be had for instrumental equipment and because of the desirability of maintaining the continuity of instrumental records. Unavoidable increases in rentals at seven stations resulted in a net increase of $3,498.

Repairs to Weather Bureau buildings.—Repairs to buildings owned by the bureau have been restricted, owing to the urgent need for economy, to the minimum required to prevent

serious deterioration of property values, except in one case. The assistants' quarters at the isolated station at Cape Henry, Va., were remodeled and repaired at a cost of $3,727.95. This action was taken in conjunction with, and to conform to, general improvements being made by the Bureau of Lighthouses to the Government reservation at Cape Henry.

Status of Weather Bureau offices at stations outside of Washington.—

Free quarters and accommodations:	
Observatory buildings (owned and controlled by the Weather Bureau)	46
State university buildings	5
Federal buildings	79
Total free of rental	130
Rented buildings, etc., owned by individuals or corporations:	
Office buildings	87
Buildings with kite-flying fields, aerological	6
Total number rented buildings partly or wholly occupied	93
Total	223

Accounting procedure.—At the beginning of the fiscal year a very efficient accounting system was installed to adequately care for a complete ledger record of expenditures in classified form in accordance with Bulletin 1 of the Bureau of the Budget.

Toward the close of the year provision was made to place the expenditure of Weather Bureau appropriations on a budgetary basis. This has not previously been practicable, except in part, owing to the language of the 1924 and prior appropriation acts, peculiar to this bureau, setting forth certain "not-to-exceed" subappropriations which required the transfer of various amounts during the year, with consequent uncertainty as to the available funds for particular projects. This sort of faulty legislation was happily corrected in the appropriations for 1925, and, as a result of the budget system set in operation, it is confidently believed that the various activity leaders will be enabled to effect a more efficient utilization and control of the funds under their supervision.

Surplus buildings and property.—Weather Bureau buildings and grounds at Narragansett Pier, R. I., and Mount Weather, Va., remain surplus and unoccupied, in charge of caretakers. The sale, disposition, or rental of this valuable Government property has not yet been authorized, and should be done without further delay. Cost of only the most urgent repairs and upkeep amounts to about $2,500 per annum, which expense is necessary in order to keep the property from being rendered wholly worthless.

TELEGRAPH SERVICE

The normal existence and functioning of the Weather Bureau is dependent in an extreme degree upon telegraphic and other electrical agencies for the collection and the issue of observations and reports, and it is gratifying to speak of the very cordial relations of friendship and cooperation which characterize the service performed by the great commercial agencies handling our work. Generally satisfactory conditions have attended transmission of the circuit report and message business throughout the year. A contributing factor has been a smaller number than usual of disastrous storms which interfere so seriously with wire maintenance. Another which has had its influence is the gradual improvement in transmission by mechanical apparatus. Complaints from this cause have been reduced in number and seriousness, although there remains some dissatisfaction. A full force of operators at the central office has been continuous, no vacancies having occurred, although expected because of complaints of inadequate salaries. The hope of better pay upon reclassification has sustained most of the employees in their work, and realization has been provocative of a renewed interest in and application to their tasks.

Contracts for telegraph, telephone, cable, and wireless service for 1925 were renewed upon former advantageous terms, with the exception of one company operating on the Pacific coast.

Audit of bills for all telegraph, telephone, cable, and wireless service performed for the Weather Bureau throughout the country, including services of special operators, wire rentals pole tax, and Weather Bureau telephone and telegraph line accounts, was efficiently and expeditiously accomplished by the local telegraph force. Amount expended for above was approximately $240,000.

Advantage was taken during the spring of fairly satisfactory personnel conditions and opportunity afforded by reason of the good audit work situation to improve and bring up to date some important division records mentioned in the last annual report as lying dormant. Other work of like character, however, is awaiting further opportunity, execution of which is impracticable during the hurricane season when telegraph duties consume most of the time of the employees, auditing of accounts demanding the remainder.

The list below represents the several wire and cable lines operated by the bureau, and as conditions over these lines have been generally satisfactory throughout the year and are similar to details reported in previous annual reports, repetitions thereof will be omitted this year:

Block Island and Matunuck Beach, R. I.: Telegraph line, two-wire, leased to commercial company for telephone communication.
Norfolk-Cape Henry, Va., and Hatteras, N. C.: Telegraph line.
Whitefish Point and Vermilion Point, Mich.: Telephone line.
Beaver Island and Charlevoix, Mich.: Telephone.
North and South Manitou and Sleeping Bear Point, Mich.: Telephone.
Alpena, Middle Island, and Thunder Bay Island, Mich.: Telephone.
Point Reyes and San Anselmo, Calif.: Telephone.
North Head and Fort Canby, Wash.: Telegraph.
Tatoosh Island and Port Angeles, Wash.: Telegraph.

AEROLOGICAL INVESTIGATIONS

The only expansion of aerological observations effected during the year consisted of the establishment of a regular pilot-balloon station at Memphis, Tenn., and one at Curaçao, Dutch West Indies, the latter through cooperation with the Dutch Government.

Kite stations.—Observations with kites were made regularly at Broken Arrow, Okla., Drexel, Nebr., Due West, S. C., Ellendale, N. Dak., Groesbeck, Tex., and Royal Center, Ind. Kite flights are made daily whenever possible, and in addition when conditions are favorable continuous series of flights are made for periods of 24 to 36 hours. The average altitude reached is 3,000 meters above sea level, but a large proportion of the flights extend to 5,000 meters or higher. Records of air pressure, temperature, humidity, and wind are thus obtained.

Pilot-balloon stations.—Morning and afternoon observations by means of pilot balloons were made at the six kite stations listed above, and at Key West, Fla., and Washington, D. C. Afternoon observations were made at Burlington, Vt.; Denver, Colo.; Ithaca, N. Y.; Lansing, Mich.; Madison, Wis.; Memphis, Tenn.; San Francisco, Calif.; and San Juan, P. R. From these observations the wind conditions at various heights are telegraphed to district forecast centers at Washington, Chicago, and San Francisco, where they form the basis for "flying weather" forecasts issued to the military, naval, and postal aviation services.

Special observations were made and telegraphed when requested for use in connection with long-distance airplane flights, free-balloon races, etc.

Continued efforts and progress have been made in securing numerous two-theodolite observations to determine to what extent the balloon is affected by convection and to study its behavior at high altitudes, especially above 10,000 meters. A detailed analysis of these results has been made and a number of important conclusions reached.

Cooperation.—Active cooperation between the Army and Navy meteorological services has been continued during the year. Each of these services maintains a number of pilot-balloon stations, whose primary purpose is to furnish wind data of immediate local interest to aviators at flying fields. These observations are regularly telegraphed to district forecast centers of the Weather Bureau, where, supplemented with our own, they are used in issuing

"flying weather" forecasts. In addition to the stations in the United States proper, the Navy maintains one at Santo Domingo, Dominican Republic, one at Coco Solo, Canal Zone, which, together with those of the Weather Bureau at San Juan, P. R., and Key West, Fla., and the cooperative station at Curaçao, Dutch West Indies, furnish information of value in connection with the development and movement of hurricanes. Additional stations in this region are necessary, however, to make this service properly effective. As yet only a single pilot-balloon station is maintained in the Pacific, this being at Pearl Harbor, Hawaii, under the Navy's supervision.

In cooperation with a representative of the United States Air Service, the air mail records for the second year were analyzed and studied. These were combined with a similar analysis made last year and the results published in the Monthly Weather Review and a number of aeronautical journals.

The official in charge of the aerological investigations continued to serve as the Weather Bureau representative on a sectional committee that is preparing an aeronautical safety code. The committee is composed of representatives of the Departments of War, Navy, Commerce, Post Office, the Society of Automotive Engineers, the National Aeronautical Association, and aircraft manufacturers. The code when completed will provide regulations for the design and manufacture of aircraft, qualifications of pilots, establishment of airdromes and airways, and dissemination of meteorological forecasts and warnings, etc.

Central office.—All kite and pilot-balloon observations made at the Weather Bureau stations as well as the pilot-balloon observations made by the Army and Navy are forwarded to the central office of the Weather Bureau for final reduction and study. Numerous inquiries are received for these data, not only from Government departments, but from commercial aviation concerns as well.

A meteorologist who devotes his entire time to the study of these records with reference to scientific problems of meteorology and their practical application has been assigned to central office staff during the year.

A summary entitled "An Aerological Survey of the United States" has been brought practically to completion and publication of it is expected shortly. This will contain the results of *all* free-air observations made in this country.

The publication of monthly summaries of the free-air conditions in current issues of the Monthly Weather Review was continued during the year.

Special projects.—In cooperation with the United States Air Service, plans were completed during the year relative to an investigation of certain meteorological problems with the use of a manned free balloon. The program included, primarily, a series of constant elevation flights for the purpose of tracing the path of air currents, obtaining thereby first-hand information concerning the free movement of portions of the atmosphere under certain pressure distributions. In addition, observations were made of the amount of dust in the air, sky brightness, size of cloud droplets, visibility, etc. The flights were made from the Army post at Scott Field, Ill. On the fateful tenth flight the two participants, Dr. C. Le Roy Meisinger, Weather Bureau representative, and Lieut. James T. Neely, Army Air Service pilot, met their tragic deaths. The Army board of inquiry concluded that either induction from a distant lightning discharge or a direct lightning stroke attracted by their radio equipment caused the balloon to catch fire and fall to the earth. The results obtained during their previous flights will unquestionably yield information of meteorological value, although as yet it has been impracticable to study the records.

CLIMATOLOGICAL WORK

Cooperative observers.—The large corps of men and women making daily observation of weather conditions on a nonpay basis continued their excellent cooperation, and too much praise can not be given these faithful workers, whose reports form such a substantial basis for all the weather information gathered and placed before the public.

In the main, the country is now so well covered by these observers that few new stations were established at Government expense during the year, though in a number of instances the

business needs of individuals or companies were so closely associated with weather conditions that they were willing to cooperate in securing the necessary data by furnishing their own equipment, the bureau to cooperate by supervising the work and publishing the data so gathered.

The policy of insuring against loss on account of rain or other adverse weather conditions, now becoming so prevalent, has resulted in much annoyance to our cooperative observers, who are frequently called upon to make measurements for periods other than those usually observed. Permission to make a reasonable charge for such service will probably result in a reduction in the number of these requests, or at least in making them less of a hardship in view of the prospective remuneration.

Inspection of cooperative stations.—The program of inspecting these stations once in three years has fallen much in arrears due to insufficient funds, and little work of this character was accomplished during the year, despite the urgent need therefor and the direct benefits these men and women receive in bettering their work through personal contact with the supervising official.

Publications.—The material for the statistical portions of the annual report of the Chief of Weather Bureau, 1922–23, was assembled and the volume issued at the usual time. Likewise tabular matter, charts, and discussions of the main weather factors were prepared as usual for the Monthly Weather Review.

The publication of the Monthly and Annual Climatological Data for the several States and outlying areas proceeded as usual, and no important lapses in the regular and prompt issue of these and their distribution to the public occurred.

No important changes in the manner of presenting the data, or in their character, were suggested from any source, and it may be safely assumed they satisfactorily meet the public needs. They are in constant demand for use in local affairs and are used in increasing numbers and over greater areas by all classes of business or other interests.

The special snowfall bulletins issued for the information of irrigation and water-power interests in the several western Mountain States were continued as usual during the winter months, though there is a general tendency to the belief that one or two issues at the close of the snow season would sufficiently serve all needs, and several of the State directors have adopted the plan, making special effort at that time to secure the fullest information possible concerning the depth and condition of the snow in the mountains, to enable satisfactory estimates of the probable amount and time of the principal run-off to be made.

A few additional stations have taken up during the year the printing of the new and enlarged Form 1030, meteorological, which gives a detailed summary of all the observations made at the station for the month just closed, and includes comparative data for the same month in previous years. These are now published at sufficient stations to give a good representation for the entire country and are much sought by the public.

The printing of the separate parts of Bulletin W of the Weather Bureau, which summarizes all past records at all stations, was at a standstill for many months, but was again taken up and some 25 of the parts most desired were printed and distributed, furnishing a much-needed medium for answering inquiries as to prevailing weather conditions. Ten more of the parts were prepared during the latter part of the year and submitted to the Government Printing Office, leaving only about a dozen constituting the remainder of the 106 parts which are practically ready for publication and will be submitted shortly for completion of the set, the printing of which it is hoped can be accomplished during the present fiscal year.

The policy inaugurated during the preceding year of printing annual summaries for the stations having long records was continued, and such reports for 1923 were published at nearly all the stations issuing similar reports for 1922.

Two extensive new tables, embracing the mean monthly and annual maximum temperatures and similar data for the station pressures, were added. With the publication of these special tables and in combination with the tables of mean monthly and annual temperature and monthly and annual amounts of precipitation appearing in the annuals for 1922, there is now available in printed form practically all the data required for study of the main climatic

facts over periods extending back in some cases 100 or more years. These should prove especially valuable in the study of problems of possible climatic changes or of supposed recurrences of weather conditions.

The increasing need for insurance protection from damage by hail and wind storms has made necessary the collection and publication of more details concerning the occurrence of these storms and their distribution to enable the insurance companies to arrive at equable rates for the different sections. Special efforts are now being made to collect the necessary data and they are being printed in a special table monthly in the Monthly Weather Review.

Special work accomplished during the year.—The preparation of new daily normals of temperature covering the 46-year period July, 1875, to June, 1921, was practically completed during the year and the final values forwarded to the various stations for current use. The reduction of these to a uniform period of years has been accomplished, and the tables for all stations having such normals, together with a brief description of the manner by which they were determined, have been prepared for printing.

Further progress was made in collecting climatic data for important foreign countries, and data for several sections are now practically completed and ready for printing. Much assistance has been given by W. W. Reed, who is in charge of this work, in extracting foreign data upon written or oral requests, and he has translated a number of important papers for publication in the Monthly Weather Review.

On account of several long periods of illness and frequent and in some cases long details of clerks to other divisions, the effective force of the climatological division has been somewhat diminished as compared with previous years. All routine work has, however, been carried forward as usual.

Due to increasing work along all lines, the clerical force of the division is scarcely equal to the demands made upon it, and in order that more care can be given the preparation of material for distribution to the public it is again urged that an additional well-trained meteorologist be assigned to the division.

Much credit is due each employee for the conscientious efforts made to carry forward the various lines of work.

MARINE REPORTS

The advent of radiotelegraphy has had the effect of materially modifying and developing the ocean meteorological work of the bureau. In the days when reports of observations made at sea could be transmitted only by mail their use was restricted to such purposes as the determination of average, or normal, weather conditions over the oceans and the general study of atmospheric phenomena. With the development of radiotelegraphy the collection of such reports for forecasting purposes was made possible and has become of primary importance. This is a distinct branch of ocean meteorology and is attached to the forecast work. Reference to it will therefore be found under that head.

The collection by mail of vessel weather reports continued as usual during the past year. The number of reports received was somewhat in excess of that of the preceding year. The volume of reports reaching the bureau varies with the state of ocean shipping, rising or falling as the number of vessels in commission increases or decreases. The number and the character of the reports received indicate the continued interest of seamen in the work as well as a satisfactory administration of the work on the part of the bureau.

For several years past the bureau has desired to cooperate in the compilation of international ocean weather data under a resolution of the Commission on Maritime Meteorology adopted at Rome in 1913. During the past year it was possible to begin such cooperation by the assignment of an additional employee to the marine work.

An important part of the marine work is the supplying of meteorological data for publication on the pilot charts. These charts, as generally known, are issued by the Hydrographic Office of the Navy Department, the Weather Bureau and Hydrographic Office cooperating in

their publication under an act of Congress. The furnishing of material for the pilot charts proceeded as usual during the year.

The time has now come when a general revision of the meteorological data published on the pilot charts is necessary, and recommendation to that end has already been made. In order to undertake such a revision, which involves the compilation of a large amount of accumulated data, it will be necessary to augment the force of the marine division.

Recently there has been a revival of interest in the subject of ocean surface water temperatures and their influence as a factor in weather causation. The compilation of data necessary to the revision of normals for the pilot charts will render available for study in this connection a large number of water temperature observations.

During the year about the usual amount of ocean weather data was furnished for use in Admiralty cases. This routine feature of the marine meteorological work is one that brings to the bureau numerous expressions of appreciation from recipients of data.

SOLAR RADIATION INVESTIGATIONS

During the year the weather bureau observatories at the University of Chicago and in Central Park, New York City, have been equipped with the new weather bureau thermoelectric recording pyrheliometers, and the pyrheliometric equipment at Washington, D. C., Madison, Wis., and Lincoln, Nebr., has been maintained as in past years. These five stations now obtain continuous records of the intensity of the total radiation, or heat energy, received on a horizontal surface directly from the sun and diffusely from the sky, and a weekly summary of the results is given in each number of the Monthly Weather Review. At the same time a summary is given of the measurements of the intensity of direct solar radiation at normal incidence, made with a Marvin pyrheliometer at Washington, Madison, and Lincoln.

The recording pyrheliometers installed at Chicago and New York, and also one belonging to the Thompson Research Laboratory, Yonkers, N. Y., were standardized by the solar radiation section, and, in cooperation with the instrument division, investigations were conducted looking to an improvement in this type of instrument.

During the visit to Washington of Dr. Ladislaus Gorczyński, director of the Central Meteorological Institute of Poland, comparisons were obtained between weather bureau pyrheliometers, a pyrheliometer that he will use in the Desert of Sahara, and also one that will be installed at the magnetic and meteorological observatory of Samoa. These comparisons make it possible to express the important radiation measurements that will be obtained in equatorial Africa, and near the equator in the Pacific, in units of the Smithsonian pyrheliometric scale.

The quantity of heat received from the sun on a horizontal surface is recognized as an important climatic factor, especially in its relation to plant growth. In large cities, however, not so much importance attaches to the *heat energy* in solar radiation as to the *light intensity*. Therefore, in response to the request of the Illuminating Engineering Society of America, the relation between pyrheliometric records of radiation intensity and photometric measurements of daylight intensity has been the subject of an investigation. The results show that on a cloudless day if the radiation intensity on a horizontal surface, expressed in gram-calories per minute per square centimeter, be multipled by 6,700, we obtain the daylight intensity on the same surface, expressed in foot-candles, with a probable error of 5 per cent. With a cloudy sky the factor is about 7,000.

This result is important, since in some of the larger cities methods involving a measurement of the total or heat energy of solar radiation are employed to measure variations in the intensity of daylight.

As stated in the last annual report, the Weather Bureau is cooperating in an international investigation of the dust content of the atmosphere. Each day a count is made by means of a high-power microscope of the number of dust particles collected from a known volume of air by the Owens jet dust counter. Most of the records have been made at the American University, which is situated in the outskirts of Washington, at some distance from the Weather

Bureau; but during the winter of 1923–24 they were made at both the university and the Weather Bureau. A few records were also obtained in Chicago during September and October, 1923.

Through cooperation with the Army Air Service, records of the dust content of the atmosphere were obtained during airplane flights up to a height of 10,000 feet in the late summer and fall of 1923, and in the spring of 1924 during balloon flights up to heights of 7,000 feet.

A summary of the results obtained between December, 1921, and March, 1924, has been published in the Monthly Weather Review for March, 1924. Briefly, the surface measurements even at the American University clearly showed increased dustiness in winter, due to smoke. The increase was especially marked at Washington during the winter of 1922–23, when, on account of a coal shortage, the burning of a certain percentage of bituminous coal in heating dwellings was obligatory. The maximum number of dust particles collected per cubic centimeter is 7,180 at Chicago, under average conditions. At the Weather Bureau in Washington, the maximum is 6,046 on an unusually smoky day.

In summer, convection carries considerable dust, as high as 7,000 feet, it being more noticeable in the afternoon than before noon. In the late fall there was little dust above 5,000 feet. Some few dust particles—from 30 to 50 per cubic centimeter—were always found, even at the 10,000-foot level. At this height their diameter averaged about one-fourth as great as at the surface.

A close relation exists between the dust content of the atmosphere and the limit of visibility, although the atmospheric humidity is also an important factor.

Rain or snowfall cleanses the air of much of its dust. Light winds favor the accumulation of dust, especially in the cities.

Besides dust particles due to smoke and loess and finely-divided mineral particles taken up by the wind from the ground, spores and pollen in small quantities have been found even at the 10,000-foot level.

EDITOR'S OFFICE

The Monthly Weather Review, now in the fifty-second year of publication, serves several useful purposes, chief among which are the following:

(1) It enables the United States as a member of the family of nations to carry out that spirit of comity whereby each member furnishes to every other member a comprehensive summary of the meteorological observations made under its direction, receiving in return a like courtesy from the others. Progress in meteorology can be made only by the fullest cooperation on the part of all organized services and institutions; it is through the publication of the Monthly Weather Review that cooperation on the part of the United States is brought about.

(2) The Review also serves as a medium through which students and investigators both in this country and abroad may become acquainted with investigations made in any field of meteorological inquiry. Weather Bureau officials are thus enabled the better to correlate the results of their studies with the work of others in the same or related fields; and, finally:

(3) The Review forms the permanent printed record of the weather in the United States and adjacent land and water surfaces month by month, with discussions of the weather influence upon agriculture, commerce, and industry.

The trend of inquiry among meteorologists, as indicated by contributions offered to the Review, has been toward determining the characteristics of the free air with greater precision than heretofore has been possible. The most important studies have dealt with the strength and direction of dominating air currents up to altitudes of 2 to 2½ miles (3 to 4 kilometers). It has been possible in some of these studies through the cooperation of the Air Mail Service to compare the flying conditions as deduced from a consideration of the data of kites and pilot balloons with those actually experienced by air mail pilots over the cross-continent route, New York to San Francisco. The close agreement between these two sets of conditions strengthens the confidence that has been placed in the practical utility of the free-air observations conducted by the Weather Bureau.

A second line of inquiry that has proceeded so far as to justify the publication of the results is that which deals with the protection of citrus fruit from frost and freezing temperature. Many other climatological subjects have been treated in the current numbers of the Review.

INVESTIGATIONS IN SEISMOLOGY

The important work of collecting and publishing earthquake data, begun December 1, 1914, has been continued during the year.

Instrumental records have been obtained by instruments owned and operated by the Weather Bureau at Washington, D. C.; Northfield, Vt.; and Chicago, Ill. Similar data have been secured for publication from various seismic observatories distributed from Panama to Canada and from the Hawaiian Islands to Porto Rico.

The noninstrumental reports rendered by the regular and cooperative observers of the Weather Bureau recorded 76 separate earthquakes strong enough to be felt by the unaided senses in continental United States during the calendar year 1923. Although some of these were felt over wide areas, only three caused appreciable damage. No important earthquakes occurred in our outlying possessions.

VOLCANOLOGY

The activities in this connection have been confined to special investigations of the behavior of the volcano at Kilauea in the Hawaiian Islands. More than a year ago it was deemed in the best interests of the logical organization of Government activities and the promotion of scientific investigations of this character to transfer this work to the Geological Survey of the Department of the Interior. In accordance with this idea, steps were taken to incorporate the necessary legislation in the appropriations for the conduct of Government work, and, consequently, at the close of the year, this work in volcanology was transferred to the Geological Survey of the Interior Department.

The work throughout the year consisted of routine observations of lava behavior, including some special investigations by borings and other special studies supported partly by funds contributed by the Volcano Research Institution of Hawaii.

At the request of Japanese officials that the official in charge of the work be authorized to visit Japan in connection with the disastrous earthquake in that country on September 1, 1923, Dr. Thomas A. Jaggar spent several weeks in Japan. After his return he was detailed for temporary duty in Washington, and preparations were made for certain final reports and publications, which it is hoped will ultimately be available for general public use.

LIBRARY

During the fiscal year 979 books and other separate publications were added to the library, bringing the total strength of the collection up to about 43,000 volumes.

As in previous years, the library has catalogued, besides books separately accessioned, nearly the whole of the current literature of meteorology and climatology appearing in scientific journals throughout the world; has maintained in efficient condition more than 200 station libraries; has handled most of the routine translating from foreign languages required by the bureau; and has supervised foreign mailing lists.

The official in charge of the library has prepared weekly notes and articles for use, by the press service of the department, in the Official Record and the department Clip Sheet; has served as a member of the Weather Bureau committee on scientific papers; and has continued work that has been in progress for many years in the collection of dictionary material relating to meteorological terminology and nomenclature.

PRINTING

The incident of chief importance in printing during the year was the resumption as of January 1, 1924, of the issue of the Weekly Weather and Crop Bulletin from the small Weather Bureau print shop. About two years prior thereto part of this weekly summary of weather

conditions over the great agricultural districts was combined with a department publication known as Weather, Crops, and Markets. The restoration of the printing at the Weather Bureau accomplished at least three important results: (1) The total cost of printing was reduced; (2) the weather report, of great value to farmers and business in agriculture generally, reached destination within 24 to 36 hours after reports were closed and saved from 7 to 10 days' delay unavoidable in the issue of the combined bulletin; (3) finally, the present publication contains more details of information and is otherwise in better form.

The Snow and Ice Bulletin was issued weekly between December 11, 1923, and March 31, 1924, under approval of the Bureau of the Budget, dated December 22, 1922.

Among the regular publications issued annually at the Government Printing Office several new publications were printed under the following titles: Cloud Forms, with halftone plates, descriptive pamphlet, 22 pages; Monthly Weather Review Supplement No. 23, "Temperatures in Mexico"; and Appendix 2, Circular D, Instrument Division, "Instructions for Wiring Meteorological Instruments."

The demand for Weather Bureau publications, especially for instruction purposes, by educational institutions throughout the country, in meteorology and kindred subjects, continues to increase. It has been the policy to comply with these requests in such numbers as existing regulations and funds will permit.

The mailing lists of the Weather Bureau have been revised, with a view of expediting delivery of all publications to those particularly interested in meteorological data. Numerous paid subscribers for Weather Bureau publications are supplied. Subscriptions should be forwarded direct to the Superintendent of Documents, Government Printing Office, Washington, D. C.

Under the regulations prescribed by the Congressional Joint Committee on Printing, quarterly printing plant reports and annual inventory reports from 96 field stations and the Printing Office, Washington, D. C., were rendered through the Office of Publications, Department of Agriculture, for transmittal to the committee. With the approval of the committee and in accordance with their regulations, several pieces of printing-plant equipment were procured for the maintenance and repair at field stations.

In accordance with existing regulations, the utmost economy was practiced in the issuance of publications and the purchase of paper, ink, and other printing materials.

INSTRUMENTS

Maintenance.—While it has been possible to maintain in operative condition the existing equipment of the various stations of the bureau out of funds substantially the same as were available in former years, much help has been given by station officials, many of whom have effected minor repairs such as painting of roof equipment at small expense. The general policy of the bureau to refrain from extensions of its observational program has permitted the devotion of the resources and funds of the division largely to maintenance.

Evaporation.—The evaporation stations have been continued substantially as heretofore. Offers of cooperation in establishing new stations have been generally refused, because an increase in the number of stations means not only an increased expenditure for instruments but also a greater demand upon the resources of the bureau if the records are to be properly supervised, tabulated, and published.

Anemometry.—Investigations in anemometry by Messrs. Fergusson and Covert have led to the final selection of a three-cup anemometer of the Robinson type whose indications run quite close to the actual velocity of the wind. Two models have been completed in our own shop, and bids have been invited for the construction of six. Funds will not be available this year for the general introduction of the new instrument, and it is intended to utilize the time in giving it a thorough trial under actual service conditions.

Telethermograph.—A telethermograph that answers the purpose served by the present thermograph and telermoscope is being introduced as funds permit. The recording portion

of the instrument, operated in the office, is similar to the ordinary air thermograph. The thermal element is placed in the standard instrument shelter or in a special shelter provided for the purpose, and may be at maximum 65 feet from the recorder, to which it is connected by a capillary tube. In addition to the convenience of having a graphic record of air temperature in the office, the clock is protected from the severity of outdoor weather, and the cost is considerably less than the combined cost of the two instruments it displaces.

Thermometers.—Special effort has been directed to the question of thermometers, particularly maximum and minimum thermometers. That a correctly constructed maximum thermometer may subsequently become a "retreater" has long been known. Evidence is now at hand indicating that this change in form is due to stresses left in the glass by reason of too rapid cooling. As a result improvement in this respect is to be expected. There has been also a decided improvement in the quality of the minimum thermometers obtained.

Thermometer specifications.—Under the direction of the Federal Specifications Board a committee has been created to prepare specifications for all thermometers used by two or more Government departments or bureaus. The chief of the instrument division, who represents the Weather Bureau on the committee, has assembled and prepared for the use of the committee in the form of tentative specifications a description of the types of liquid in glass thermometers used in meteorological work.

Pyrheliometry.—Four new thermoelectric pyrheliometers have been constructed during the past year by H. E. Hobbs, cooperating with H. H. Kimball. Experimental work has been made on a low-resistance instrument to be used with small radiation values in the short-wave portion of the spectrum, which, in connection with a new sensitive recording microampere meter, gives a full scale deflection with but 30 microamperes. This is now being tried out in service. A new sealed type of mounting is under construction, which it is expected will eliminate the trouble of moisture condensation on the interior surfaces of the instrument.

A comprehensive catalogue of meteorological instruments, upon which R. N. Covert has been engaged for several years as his time could be spared from regular duties, is now nearly completed. This catalogue, which is in loose-leaf form, contains a concise description of each instrument and of its interchangeable parts, and the price during representative years together with brief historical notes, references to published descriptions, drawings, etc., and also photographs sufficient for identification. The catalogue is of assistance to the present administration of the division, but its greater value consists in recording for future years information that can best be obtained at this time, when employees who have been connected with the division from its early years may be consulted.

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PART II

GENERAL SUMMARY OF THE WEATHER CONDITIONS IN THE UNITED STATES DURING THE YEAR 1923, WITH CHARTS

LIST OF OBSERVING STATIONS AND CHANGES THEREIN DURING 1923

SUNSHINE, 1923

DETAILS OF EXCESSIVE PRECIPITATION, 1923

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REVIEW OF WEATHER CONDITIONS DURING THE YEAR 1923

By P. C. Day, Meteorologist and Chief of Division

The outstanding features of the weather during the year were the unusual warmth of January and the last two months; the excessive accumulation of snow and the severe cold over Northeastern States, particularly in New England, during the first three months of the year; the heavy rains during May, September, and October over Oklahoma and portions of adjacent States; and the persistent and large deficiency of rain and snow in California and adjacent areas.

The warmth of January was notable for the great extent of country involved, embracing practically all portions save the extreme Northeast, and for the average daily excesses, which in portions of the Plains regions were the greatest ever known. November and December were also notably warm over the greater part of the country, though markedly so only to eastward of the Rocky Mountains.

The snowfall over the Northeastern States during January, particularly in New England, was unusually heavy, and in many instances the greatest ever known. Severe cold during the succeeding two or three months prevented any material melting of the January snowfall or of that which occurred during the succeeding months, and at the end of the snow season the accumulated depths were usually greatly in excess of the normal and the winter as a whole had been one of marked severity.

Extraordinarily heavy rains occurred during the latter part of May and the first half of June over extensive areas in Kansas, Oklahoma, and portions of adjacent States, causing the greatest floods ever known in some of the rivers of those States, and doing immense damage to agricultural and transportation interests. Over many of the same areas heavy rains during September and October caused additional floods, which in some of the rivers of Oklahoma at least were the most damaging ever known.

Dry weather persisted during the year over much of the Pacific coast area, the first three and the last three months, normally the wettest periods of the year, having far less than the usual fall, this being particularly the case over most central and southern portions. As a result, at the end of the year the water supply was low, many crops had been injured, others could not be planted, pastures were short, and stock was suffering. Lack of the usual precipitation has continued over much of this region during the present year, and the water shortage is now becoming acute.

JANUARY

The first month of 1923 was remarkably warm for winter over nearly the whole country, and there were but few sudden temperature changes of importance. The first third of the month was particularly warm in the far West, and in southern California many stations recorded the highest January temperatures ever experienced there. The middle 10-day period was mainly less warm in the districts west of the Divide, expecially from central California northward; but from the Rocky Mountains eastward to the Mississippi River or beyond it was warmer than during the opening decade, several points averaging for as long as 10 days or two weeks as much as 15° to 18° warmer than normal. The final decade of the month was generally colder than normal in the far West, but somewhat warmer from the Rockies to the Ohio Valley and the Southeast.

Over New England and most of New York the temperature conditions differed greatly from those elsewhere, all save a few days being close to or below normal. For the rest of the country the month was mainly warmer than normal, and over the Missouri drainage area and to southward and southeastward it averaged from 6° to 13° warmer, with four States—Missouri, Kansas, Oklahoma, and Texas—reporting it the warmest January since the climatological services were started, fully 30 years ago.

The eastern part of the southern Plains, the central valleys, the lower Lake region, and substantially all parts of the country to eastward or southeastward of these had moderate to ample precipitation, and the districts near and for some distance to southward of the Ohio River, also most of Arkansas and New England, had considerably more than normal. Nearly all parts of the Plains, with most of Iowa and northern Illinois, had less precipitation than normal, and Kansas, where December had been very dry, had especially little. From the Rocky Mountains westward the southernmost districts had very little precipitation, but central districts usually about as much as normal, and northern districts more than normal, the amounts between the Cascades and the Pacific coast being much greater than normal.

The snowfall was about average in most elevated portions of the far West, save that it was light to eastward of the Colorado River, but in the northern portion of the Great Lakes region, and particularly in the Northeast, the month brought heavy snowfall. At many New England stations more snow fell than during any previous month of record.

For most of the country the month was unusually favorable for outdoor work, and it was mainly favorable for livestock and for winter grains, save where dry weather had prevailed for some time before and continued through this month.

FEBRUARY

The mean temperature of the month was below normal over more than five-sixths of the country, a condition which has not been found for any month before since April, 1920. Yet neither the month, as a whole, nor the most severe weather that occurred equaled or passed the previous lowest marks in a quarter century or longer, save only in some portions of the far Northwest and New England.

The month opened mild in most eastern districts, particularly in the Southeast; but within a few days the cold weather that was dominating the western half when February came in had spread over most of the eastern half. The first half of the month was decidedly cold in the middle and northern Plateau regions, and was colder than normal in practically all the country, except a few south-central and southeastern districts. On the 13th and 14th a storm of unusual severity prevailed over the Northern States from Montana to Michigan; the heavy snow was badly drifted by high winds, completely blocking traffic in many localities and a number of lives were lost on account of cold and exposure. From the 15th to 20th it was decidedly cold over the eastern half of the country, but in the western third considerably warmer weather had set in, save in the States along the northern border. The balance of the month was mainly somewhat cooler than normal to eastward of the Mississippi River, particularly from the upper Ohio Valley northeastward; but was mild from the Mississippi Valley westward, especially in the Missouri Valley, interior California, and southern Arizona.

The monthly totals of precipitation were large, mainly from 6 to 12 inches, from central Texas to north-central Georgia; and they were above normal from near the Continental Divide in New Mexico eastward to the southern Appalachians, and in most of Kentucky and West Virginia. Also there was somewhat more than normal in much of North Dakota, Colorado, and Wyoming. Yet considerably more than half the country had less than normal, and the shortage in California was particularly unfortunate, and similarly in Florida; and there was a shortage, though seldom a detrimental one, in almost all coast districts from central Louisiana round to Chesapeake Bay.

The snowfall was rather large for the region in most of Tennessee, northern Mississippi, and eastern Arkansas, and large falls occurred in the Northeast and in most of the Lake region. The snowfall in the central valleys, and especially westward to the central Plains, was decidedly light, as it had been all winter. In the mountain districts of the far West the February snowfall was usually less than normal, notably in Nevada and central and northern California. One of the most severe blizzards in recent years prevailed from the Dakotas to Michigan on the 13th.

Considering the whole country, the month was somewhat unfavorable for winter grains, and decidedly unfavorable for outdoor work and for livestock. The precipitation late in the month in northwestern Texas and eastern New Mexico was of marked benefit.

MARCH

March was marked by frequent and sharp temperature changes, but over the central and eastern portions the first 12 to 15 days were generally warm, and the remainder of the month unseasonably cold.

The first few days were especially warm in the Plains States and to eastward, but about the 5th to 9th colder weather prevailed in these districts, particularly in Michigan and the Northeast. In the far West, on the other hand, the first 12 days were mainly cooler than normal. The middle part of the month was moderately warm in California, and warmth continued the rule in most parts of the Atlantic States, but otherwise this period was cold, notably in the Plains States, the Mississippi Valley, and the upper Lake region. An especially severe cold wave reached the eastern slope of the Rockies by the 17th or 18th, and by the 20th had extended over nearly the entire country to the eastward except from New York southward. The final decade of the month was quite warm in California, the warmth extending before the final days over practically all parts of the far West. Meantime cold weather was prevailing in all other parts, particularly from the Dakotas and Iowa eastward to the lower Lakes.

In the far West there was a marked deficiency of precipitation during March, particularly in the northern half of California. In most of Colorado and Wyoming and in parts of the States adjoining there was a slight excess, and there was usually an excess over a strip from Texas to Michigan, and from the central portions of Louisiana and Arkansas eastward to central Georgia and to the western portions of the Carolinas and Virginia, and again in coast districts from Chesapeake Bay to Cape Cod. There was, as a rule, less than the normal March precipitation over the middle and northern Plains, also near the Ohio River and to northeastward over interior New York and northern New England, and notably over southern and eastern Florida and the southeastern portions of Georgia and South Carolina.

In most northern districts from the Plains to the Atlantic the March snowfall exceeded the normal, three severe snowstorms visiting Iowa and eastern Nebraska and districts thence eastward and northeastward to Lakes Huron and Superior during the middle decade of the month. At the end of the month unusual depths remained over northern portions of New England, New York, and Michigan. The snowfall in many far Western mountain areas was scanty, especially in California and Nevada.

APRIL

April opened with decidedly cold weather prevailing in the eastern half of the country; indeed, in the northeastern portion temperatures were lower than had ever before been recorded so late in spring, and stations as far south as West Virginia recorded below-zero readings, while marks below freezing were reached at many points as far south as central Georgia. Again, about a week later, rather low temperatures occurred over most eastern and central districts.

The first half of the month was colder than normal over practically all States from the Continental Divide eastward, and more particularly over central and northern districts. Meantime, the western part of the country was generally a little warmer than normal, the North Pacific States particularly. From the middle of the month onward the temperature conditions were reversed, the western part being mainly cooler than normal, especially the middle and southern Plateau districts, while the central and eastern parts were generally warmer than normal.

The precipitation was sufficient over most of the country, and was comparatively large in the central Plains and in most districts to southward and southeastward. A belt of unusually heavy rainfall reached from southeastern Texas across central Louisiana to central and northern Mississippi. In the States to southward of the Ohio and Potomac Rivers there was usually more than normal rainfall, but there was a shortage in a strip from central Florida northward and northeastward to the vicinity of Hatteras. North and northeast of the Ohio and Potomac there was usually rather less precipitation than normal, though practically all of New England had an excess. There was quite a marked deficiency from southeastern Iowa to northwestern Ohio and southern Michigan. In the western half of the country the distribution was more uneven than usual, but central and southern Colorado, most of Washington, and several other areas had

markedly less precipitation than normal; while in California it was the wettest April for many years, and it was generally a good deal wetter than normal in Nevada and Utah.

The bulk of the rains in California came during the first 10 days, and these were decidedly helpful, for the two months preceding had been dry. In the western part of the central Plains the rains, that ended a serious shortage of moisture which had lasted several months, came late in April, and it was about the end that heavy rains in northern New England, combining with the melting of large accumulations of snow, caused destructive floods, in some localities the worst of record.

MAY

The first three weeks of May were mainly warm in the area west of the Continental Divide, though the third week was cool over most of California; but in the portion of the country east of the Divide only the first of these weeks was warm, and that was somewhat cooler than normal in practically all of the cotton region. The second and third weeks were particularly cool for the middle of May over the Missouri, middle and upper Mississippi, and Ohio Valleys, and the Lake region. The final 10 days of May were warmer than normal in the Rocky Mountain region and Texas, and especially over the northern half of the Great Plains and to eastward as far as Indiana and Michigan; but this period was cool in practically all other districts, notably in the East Gulf and South Atlantic States and in the extreme Northwest.

The precipitation was not well distributed over the country, but was fairly well distributed in point of time. During the second week there was a large amount over Arkansas, the central valleys, and the southern part of the Lake region, with much snow for May over lower Michigan, Ohio, and some districts adjacent. From the middle of the month onward rainfall was frequent and often heavy over nearly all the cotton region, also over the middle Plains.

May brought little or no rain in practically all districts near the Mexican border; but from the northernmost counties of California northward to the Canadian line and northeastward to the northern Plains there was usually about the normal quantity. From the Black Hills and central Wyoming southeastward to the southern part of Oklahoma there was a marked excess, and the excess was even more marked in the lower Mississippi Valley and thence eastward to the Atlantic coast. From Georgia to Mississippi the month was the wettest May of record, or almost the wettest. There was generally more than the normal precipitation in southern Michigan and the lower Ohio Valley, but it was scanty in upper Michigan, eastern and southern Wisconsin, northern Minnesota, and much of Iowa, and from the northern and eastern parts of North Carolina northward and northeastward, particularly near the Atlantic coast.

JUNE

In the main, the districts west of the Continental Divide had a cool June, with especially low temperatures for the season about the 13th to 17th; but rather warm weather prevailed there from the 5th to 12th and during the final days of the month. The central and eastern portions of the country had temperatures above normal most of the time, save during the second week and from the 26th or 27th to the end; and it was notably hot about the 20th to 24th over the central valleys, the southern Lake region, and all districts to eastward.

Where rain occurred in fair to ample amounts it was usually pretty well distributed through the month, though the period from the 5th to the 12th saw the most considerable rains that visited the Plains region from South Dakota to northern Texas and the districts to eastward and northeastward to the middle Atlantic and New England coasts. The downpours were notable at this time over much of eastern Kansas, western Missouri, and northern Oklahoma, causing serious floods over the lower Arkansas Basin. During the last 12 days of June there were heavy rains from Montana to western Lake Superior, and in the middle and east Gulf districts.

The monthly totals were not greatly deficient in many large areas east of the Divide, though southern and eastern Texas had far less than normal, and the Carolinas averaged less than half the normal amounts. There was mainly less than normal in the Middle Atlantic States,

northern New England, the vicinity of the Ohio River and the districts to northward of it, and the western part of Washington. On the other hand, there were excesses from northeastern California to Montana, in the Plains from South Dakota to northern and west-central Texas, and over most of the central Appalachian and the east Gulf regions.

Although the heavy rains during the first half of June were bad for wheat in much of Oklahoma and Kansas, yet the month, taking the country as a whole, was favorable for that crop and other small grains and decidedly favorable for corn, but only fairly favorable for cotton.

JULY

As compared with June, the July temperatures showed a marked change to warmer in the far West, but in the northeastern sections, where June had been mainly warmer than normal, July was cooler than normal. The July rainfall was deficient in several important areas, most of which had received too little moisture during June.

The first few days and the final week of the month were usually the coolest parts over the eastern half of the country, save near the Gulf, where temperatures reached their lowest marks about the 20th. In the States bordering Mexico it was mainly a little cooler than normal till the last week, when it was decidedly hot. The middle and northern portions of the far West had hot weather after the first decade, while in the central valleys and the north-central districts it was hot about the 10th, then again during the last days of the second decade and the first days of the final decade.

The middle Plains and middle Rocky Mountain region had their most important rains about the 15th of the month, but the extreme Northwest during the opening decade. Over many districts to eastward of the Mississippi River, and particularly from the upper Ohio Valley northeastward, the chief rains came about the middle of the month and during the last week.

The month was notably wet in the Northwest, Wyoming experiencing the rainiest July of record; and in general from Colorado northward and northwestward, in the Dakotas and Michigan, and in the northern parts of Minnesota and Wisconsin the rainfall was more than normal. There was usually close to or somewhat more than normal in the coast districts of Louisiana and Texas, in the Virginias, eastern North Carolina, Maryland, and Pennsylvania, and in the southern half of Arizona. For most of the rest of the country there was a deficiency which was considerable in Illinois and Iowa, and adjoining parts of other States, and in Oklahoma, most of interior Texas, and the southern part of Kansas.

AUGUST

The first week was notably cool over most of the Missouri River drainage area, particularly central and eastern Montana, but the second and third weeks were mainly warm in this area. In the region of the Great Lakes the first week and much of the second were warmer than normal, but the third week usually was cooler. All three weeks were somewhat hotter than normal in most of the South Atlantic States, where July had been cooler than normal, and were cooler than normal over the greater part of the Plateau region, where July had been hot. The final 10 days of the month were mainly cool, especially in and near the Lake region, but were warmer than normal over most districts west of the Continental Divide, and the very last days over the Missouri River Basin as well.

The rainfall of August was poorly distributed not only between the chief divisions of the country, but within the individual States. Usually there was ample precipitation during the first fortnight in the southern portion of the upper Lake region and to southward and southeastward, but little in the remainder of the Lake region or in Pennsylvania or Maryland or to northeastward; while west of the Mississippi River important rains were received over large portions of Arizona and Colorado, and especially in the northern half of the Plains. The third week brought some rainfall in the upper Mississippi Valley, the upper Lake region, and in the lower Ohio Valley and some districts to southward, and again in the northern half of the Plains and Colorado, also in the northern Rocky Mountain region and in much of New

Mexico and northwestern Texas. During the period from the 22d to the end of the month there were moderate to ample rains over most of the eastern half of the country, with heavy falls in some south Atlantic districts, while many portions of Oklahoma and Texas had moderate to liberal falls.

SEPTEMBER

During the first decade decidedly hot weather prevailed in Nevada and interior California, and throughout the first two-thirds of the month most of the far West had temperatures above normal, but the last portion was mainly cooler than normal, save on the California coast and near the Canadian border. In the Rocky Mountain States and to eastward, while there were some exceptions, most of September was warmer than normal, save a period of a week near the middle of the month when cool weather for the season prevailed, notably in the upper Mississippi Valley and the Lake region.

During the first 10 days of September there was usually moderate rain in Wisconsin and the eastern halves of Iowa and Missouri and in districts to eastward as far as the middle Atlantic and New England coasts, and there was rain of importance in nearly all parts of the Cotton States, except in Georgia and some adjacent areas and in the western parts of Oklahoma and Texas; rather heavy rains occurred at this time over many parts of Louisiana and scattered districts of Texas. About the middle of the month the States east of the Mississippi River had mainly little or no rain, but the Plains and the States next west of the Mississippi had considerable, and there were large amounts in western Kansas and thence southeastward nearly to the southern boundary of Oklahoma, likewise in parts of eastern New Mexico, certain areas of Texas, and much of Wyoming. Also about the 16th and 17th some parts of northern Arizona had heavy downpours, from which marked damage resulted. During the final 12 days of the month rainfall was generally moderate to ample in districts between the western edge of the Plains and the Atlantic coast, most of it occurring before the 25th, except in the Missouri River Basin. However, much of Tennessee and the east Gulf region, also the northern part of the Lake region, had but scanty showers. Many districts west of the Divide had important rains about this time, among them northern California and southwestern Oregon. Especially notable were the phenomenal rains of the last four days of September in central and northeastern Wyoming and areas adjacent and in central and eastern Nebraska; great damage occurred, and in Wyoming considerable loss of life.

The unseasonably cool weather near the middle of the month adversely affected many north-central and some northeastern districts, the heavy to killing frosts over most portions of Minnesota, Wisconsin, and Iowa severely damaging late truck and gardens; and late corn was injured materially in these and a few States farther east.

OCTOBER

Unlike September just preceded, also unlike Octobers of 1922 and 1921, October, 1923, was cooler than normal for most of the country. The first decade was notably cool in the northeastern portion, and was cooler than normal nearly everywhere save in the west Gulf, Plains, and Rocky Mountain regions, and near the northern border from Minnesota westward. The middle decade in the western half of the country was mainly like the first decade, but in the eastern half warm weather prevailed, except in a few small areas. From the 21st onward to the end of the month cold weather was the rule, save in the more northeastern portions and in parts of the Pacific States, and the cold was especially marked during the last five or six days in the middle and northern portions of the Plains and Rocky Mountain regions.

During the first third of the month there was little or no rain over most of the country, but Idaho and the North Pacific States had some, likewise portions of the middle and southern Plains and Florida. About the middle of the month there were remarkably heavy rains over much of Oklahoma and northern and far southern Texas, with moderate to fairly heavy amounts generally from Michigan and eastern Wisconsin southwestward and southward to Kansas and eastern New Mexico, the lower Rio Grande, and the western and central Gulf coast. In the

North Pacific States considerable rain fell at this time. The precipitation of the final portion of the month was mainly in certain eastern districts, the eastern portions of North Carolina and Virginia and from the Susquehanna Basin northeastward, and in a broad strip from the Black Hills, north-central Wyoming, and southeastern Idaho southeastward to central and eastern Texas and western Arkansas.

Between the Mississippi and the Continental Divide there was great variation in the quantity of mositure; for Kansas and Oklahoma it was the wettest October of record, and northwestern and north-central Texas had very large amounts, while from the northeastern boundary of Kansas and the southwestern and east-central parts of Iowa northward to the Canadian border there was a decided deficiency.

In the main, the snowfall was light, but near the close of the month much occurred in Colorado and Wyoming and adjoining parts of South Dakota and Nebraska, also much for the locality in a portion of the southern Appalachian region.

NOVEMBER

November, 1923, unlike the month just before it, was mainly warmer than normal, taking the country as a whole, and the distribution of precipitation was rather more favorable than that of October had been. Cool weather marked the opening of November, nearly all portions save the westernmost and the northernmost having unseasonably low temperatures during the first five or six days, and most of the eastern half even till the 10th or later. The third week was cooler than normal in districts near the Gulf and south Atlantic coasts, and part of the week in the Northeast as well, while the last few days of the month were rather cold in the Southwest and in the middle portions of the Rocky Mountains and Plateau regions. Except as just mentioned, the weather was mainly warm for the season after the first part of the month.

The precipitation was comparatively well distributed through the month, but in most southern and eastern districts, also in the extreme Northwest, the chief rains came quite early in the month or close to the end. In Arizona and western New Mexico there was especially large precipitation for the region from the 8th to 10th, while New England and adjacent districts had much on the 23d to 25th, the falls being snow over some interior portions.

In Florida the monthly rainfall was decidedly deficient, also near the coast to northeastward, almost as far as Hatteras. Nearly all other portions east of the Mississippi River had close to or somewhat more than the normal precipitation. From Alabama to Arizona the southernmost States had always an excess, and some of them a considerable excess, and Oklahoma and Arkansas had about the normal amounts. In the upper Lake region and practically everywhere to westward and southwestward the amounts were less than normal; the deficiency was most serious in California, where scarcely more than a quarter of the average November quantity was received.

The snowfall of the month was noteworthy in only a few portions of the country. During the last 10 days moderate amounts for the region and the season fell from the upper Mississippi Valley eastward to New England, and considerable from the vicinity of the Texas Panhandle northeastward to western Missouri, northwestern Arkansas, and southern Iowa. Much of New Mexico and southern Colorado had heavy snowfall during the month.

DECEMBER

Unusual warmth was the main feature of the December weather over the eastern half of the country. At several stations in the Middle Atlantic States and New England no December in records of 50 or more years is indicated as milder than this one. A combined record for St. Paul, Minn., and vicinity, covering more than a century, shows this as the fourth warmest December; and usually near and to eastward of the Missouri River and the eastern border of Kansas, Oklahoma, and Texas it is found to be the second, third, or fourth warmest in records of 40 years or longer.

Temperatures were mainly steady, being usually below normal in the Rocky Mountain area and to westward, save near the northern border, but above normal elsewhere. Low temperatures prevailed about the 10th to 15th in many portions of the country, particularly from the

southern Plateau eastward to the lower Mississippi Valley. The notable change was shortly before the close of the month, when a severe cold wave advanced from the Canadian Northwest, and the end of the month found decidedly cold weather dominant in Montana, Wyoming, the Dakotas, and near-by areas, and temperatures below normal nearly everywhere west of the Mississippi, save in the west Gulf region.

The southernmost States from Arizona to Alabama had marked excesses in their monthly totals of precipitation, Mississippi and Louisiana showing the largest average amounts, but Arizona, New Mexico, and Texas the greatest excesses in percentage, though northwestern Texas had only about the normal quantity. The Ohio Valley had much more precipitation than normal, and most other portions east of the Mississippi had more than normal, or but slight deficiencies, save from Virginia to Florida, where amounts were mostly less than normal, especially near the coast. Oklahoma and Arkansas had somewhat more than normal, but less than the States to southward of them, and most other areas west of the Mississippi River had less than normal, particularly California, western Nevada, and the southern Puget Sound region.

The snowfall was heavy in most of New Mexico and some parts of adjacent States, owing chiefly to a storm about the 10th. On the whole, the December snowfall was light, compared with the expected condition; and this was especially true in the Lake region and Ohio Valley and to eastward and in the elevated districts of California and Nevada.

TORNADOES, 1923

The tornadoes of 1923 are individually described in the paragraphs following, the States being taken up in alphabetical order, then the tornadoes within the State limits in chronological sequence. The Monthly Weather Review printed accounts of some of them among "Contributions" or "Notes," while nearly all were mentioned in the Review's table, "Severe local storms"; but the information as to a few came too late for such mention, while in other cases additional information has led to revision of the original designation of a storm.

During 1923 there were probably fewer tornadoes than usual, just 100 being counted, as compared with 108 during 1922. In 1923, May had the largest number of any month, 27; February, October, and December had none, while the other months had the following numbers: January, 2; March, 8; April, 16; June, 19; July, 5; August, 10; September, 11; November, 2. The most on any single day was 5, on May 22, all in either Kansas or Oklahoma; and there were several days with 4 each. In all, 58 different days were marked by one or more tornadoes. It is rather unusual that in 1923 no single period of five days or less had as many as 10 distinct tornadoes in the whole country.

East of the Mississippi River there were fewer tornadoes during 1923 than in most other years; while, as very frequently happens, there were none in any of the seven States located entirely west of the Continental Divide, but there was a violent storm, which is reckoned a tornado, in Mineral County, Mont., June 10, a few miles west of the Divide.

Besides the 7 far Western States, Minnesota had no tornadoes during the year, also 12 States east of the Mississippi River, therefore 20 States in all. The States reporting one or more tornadoes were 28, not counting the District of Columbia, in which the tornado of April 5 started. Of these 28 States, Kansas, with 18, had the largest score of any State in 1923. Neither the distribution by months nor the distribution by States for a single year should be taken as the average situation, as experience shows there is considerable variation in occurrence from year to year.

The loss of human life attributed to the 1923 tornadoes is 109, the smallest number of any recent year; 1922 reported 133, the next lowest number among recent years, while the highest total among recent years is 498, in 1920. The State having most deaths during 1923 was Louisiana, with 25; Texas came next, with 23, all in what was probably a single tornado, in Howard and Mitchell Counties, on May 14. Only 18 of the 100 tornadoes resulted in loss of human life, these 18 occurring in 13 different States, so that more than half of the States in which tornadoes occurred escaped fatalities.

The property losses reported from these tornadoes foot up $2,958,650; in several cases it was impracticable to secure estimates of loss, or more than partial estimates, but these cases were usually of small importance, and the figure stated is thought to be but little below the actual total.

The year 1923 is thus indicated as the year of least tornado damage among very recent years, 1921 coming next to it, with about five and a half million dollars, while 1922 had over six and a half. The greatest damage done by any 1923 tornado was $750,000, by the tornado which passed through Alexandria and Pineville, La., on April 4; and Louisiana had the largest total damage among the States for the year, $965,000, while Mississippi stood next, with $350,000.

Chart 5, as in preceding years, shows the tracks of those storms that are considered to have been tornadoes, the direction of motion being indicated by the arrowhead. When the information secured did not indicate the direction, the direction which seems most probable under the weather conditions prevailing at the time has been marked. In every case the arrow is necessarily far broader than the actual width of the path of damage, drawn to scale; also in nearly all cases it has been made too long for the true length of path, in order that it may be distinguishable at all. There are not quite 100 arrows on the chart, as some cases occurred of two or more tornadoes on the same day very close together and following parallel paths; these, as the text mentions, are indicated by a single arrow.

Alabama.—But one tornado during 1923 is known, this being the last tornado noted anywhere in the country that year, occurring 11 hours later than the tornado near Houma, La., 170 miles to southwestward. The place was north of Latham, Baldwin County, in the southwestern portion of the State, and the hour was 8 a. m., November 29. The storm moved northeastward, but only a mile or two, as far as known, the path of damage being from 50 to 440 yards wide. One person was killed and damage to buildings and trees was $12,000.

Alaska.—No tornado over the land surface reported. The cooperative observer at Strawberry Point, in southeastern Alaska, about 40 miles west of Juneau, noted a waterspout passing on July 17, about 4 p. m., moving to the south-southeast, with much roaring and snapping.

Arizona.—No tornadoes reported.

Arkansas.—In the southern part of Sevier County, which is in the southwestern portion of Arkansas, a tornado occurred the afternoon of May 14; it moved northeastward, with path half a mile wide, but there were no fatalities, though several were injured and there was several thousand dollars' worth of damage. The same day, between 7:30 and 8 p. m., there was a tornado in the western outskirts of Little Rock, Pulaski County, near the center of the State. This also traveled to northeastward, the path being 2 miles long, the width at the start about 300 yards, then increasing to more than half a mile, then narrowing to about a quarter mile; however, where the path was widest there were perhaps two distinct storms, advancing abreast, or nearly so, then uniting to one storm. None were killed, but the damage was $40,000, without considering the very large number of trees that were blown down. Hot Springs, roughly midway between these two places visited by tornadoes, had a disastrous heavy rainfall at this time. Texas reported two tornadoes that day, one many hours before the earlier one in Arkansas, the other slightly after the later, and Tennessee and Ohio had tornadoes the next day.

Jonesboro, Craighead County, in the northeastern portion, reports a tornado on June 27. There was damage of $7,000, but other details were not secured. Missouri, Kentucky, and Tennessee had violent winds that day, causing damage, but apparently no real tornadoes.

California.—No tornadoes reported.

Colorado.—On April 27, soon after noon, according to reports from observers in Kansas, a tornado formed just west of the Kansas-Colorado boundary, and moved eastward into Kansas. At times there were apparently two or three distinct tornadoes, all small, not far apart and advancing together. The locality in Colorado was southeastern Prowers County, or possibly northeastern Baca County, in the southeastern part of the State. The length of track in Colorado was probably less than a mile, and the width not over 100 yards. In Colorado there was no death resulting from the tornado, and the damage was insignificant, the district being very sparsely settled. (Single arrow on the chart.)

In the vicinity of Cheyenne, Wyo., two tornadoes, a few miles apart, were noted on June 2. From the reports secured it is believed that the nearer tornado, even when closest, was at least 4 or 5 miles north of the Colorado-Wyoming boundary.

Florida.—No tornadoes reported.

Georgia.—No tornadoes reported.

Hawaii.—No tornadoes reported.

Idaho.—No tornadoes reported.

Illinois.—On the evening of March 11, when high winds were felt over an area of hundreds of thousands of square miles in the region of the great central valleys, including all of Illinois, there were probably four distinct tornadoes in all, the northeasternmost, which was third in order of time, being in southeastern Illinois. This was about 9 p. m., in Gallatin County, the storm starting near the southwest corner of the county and advancing northeastward about 20 miles, till it had nearly crossed the county. The width of the track was 300 yards, and the damage reported was about $10,000. The second tornado of the evening, the most destructive, occurred an hour earlier, in Tennessee, about 140 miles to southward of Gallatin County, while the fourth was in Missouri, an hour later than the Gallatin County storm and approximately 100 miles to westward. The Gallatin storm can have had no close connection with either. There is a slight chance that the earliest tornado—Jackson, Mo., 7:45 p. m.—was an early appearance of the Gallatin storm, Jackson being 60 miles west-southwest of the starting point of the latter, but some features, especially the directions, hint that they were distinct.

There was apparently no other tornado within Illinois during 1923. However, on the afternoon of September 3, for quarter of an hour after 3 p. m., a well-marked tornado funnel was observed by many people in Cairo, in a northerly direction. As well as could be judged it was on the Kentucky side of the Ohio River and several miles distant. No report was secured to indicate any damage from this tornado.

Indiana.—No tornado reported as within the State. The Illinois tornado of March 11, in Gallatin County, moved northeastward till within a very few miles, probably 6 or 7, of the southwestern corner of Indiana; but it seems not to have crossed the Wabash River into Indiana.

Iowa.—There were seven tornadoes within Iowa during 1923, but only two of them occurred before the end of June. The first one of the year was on May 29, about 1:30 to 2 p. m., starting 4 miles northeast of Oskaloosa, Mahaska County, in the southeastern part of the State. This moved northwestward about a mile, and probably had a rather narrow track. Fortunately, no building was in the way, so the damage was wholly to crops and was decidedly small.

Not far from the northeastern corner of Iowa, Decorah, Winneshiek County, reported an unimportant tornado, which occurred about 9 a. m., June 26. This moved northeastward a short distance and caused damage of $150. Late the afternoon of the same day there was a tornado near the Missouri River, in Missouri, a very few miles south of the extreme southwest corner of Iowa, and about 300 miles southwest of Decorah.

There were two tornadoes, or possibly two appearances of a single tornado, in southwestern Iowa, early on August 4. At Atlantic, Cass County, the storm was at 4 a. m., traveled 2 miles southeastward, and caused damage of $75,000. Patterson, Madison County, is 60 miles away, very slightly south of due east of Atlantic; here the tornado was noted at 6:30 a. m., moving eastward over a short track; no damage was reported, and probably there was not much. Western Kansas had two tornadoes late the same day, while Massachusetts had one during the afternoon of the following day.

At 7:30 p. m., August 11, there was a short tornado not far from the center of the State, at Hubbard, Hardin County. Here, as at Patterson a week before, the direction is said to have been eastward, and no damage was reported. There was, however, one person injured by the Hubbard tornado.

In the north-central portion of Iowa there was a short tornado, in the northern part of Hancock County, August 25, about 10 p. m. The storm advanced to southeastward, and the damage attributed to the tornado winds is estimated as $5,000. There was great hail damage at this time, not only in Hancock County, but in a number of counties lying to southward and southeastward, as far as and somewhat beyond the center of the State.

The last tornado in Iowa during 1923 was a small one, on the evening of September 28, about 7:50. Unfortunately, it passed through a portion of the large city of Council Bluffs, which is just across the Missouri River from Omaha, Nebr. This storm, in spite of the darkness was noted by some observers as having the long, funnel-shaped cloud. It moved northward for about 3 miles, with path a few hundred feet wide. A mother and her three young sons were killed together, and a man in another spot, while a girl was fatally hurt; so that six deaths in all are laid to the tornado, with damage of $15,000. Vastly greater damage resulted that night in Council Bluffs alone from the floods that followed the remarkably heavy rains.

Kansas.—There were apparently 18 or more tornadoes during 1923, or several more than in any other one State, but many of them were of little importance. Late on the afternoon of March 3, two of the northeasternmost counties were visited by what was probably a single tornado, touching the ground only at long intervals. It is placed earliest about 5 p. m., near Baker, Brown County, moving eastward; there was $10,000 damage in that county. The direction followed would have taken this storm to the vicinity of Elwood, Doniphan County, 35 miles east of Baker, and here the tornado was noted at 5:35, moving to north of due east, and doing damage of $4,000 in a path 2 miles long, till it came to the Missouri River and crossed into the city of St. Joseph, Mo.

On April 2, Reno County, somewhat to southward of the center of the State, apparently had three distinct tornadoes, with paths parallel or nearly so. Partridge, about in the center of the county, was struck at 5:30 p. m. by the northern storm, which traveled in an easterly direction, with path 100 yards wide; although the tornado left only a short track, as far as known, so much of it was in the town that the property loss was $50,000, and several were injured, though no deaths resulted. The times of the other tornadoes were not reported; the middle one passed a little north of Pretty Prairie, and the southern one 3 miles south of it; both were comparatively small, but a number of buildings were destroyed; so there was damage reaching several thousand dollars. Probably fully 10 miles intervened between northern and middle storms, and less than 5 between middle and southern. (Only one arrow is charted for all three.)

On April 23, at 3:40 p. m., a tornado formed over Oketo, Marshall County, in the northeastern part of the State, and moved northeastward about 3 miles to the Nebraska boundary, then continued into that State. The damage in Kansas, before the State line was crossed, was very little.

On April 27, shortly after noon, a tornado from Colorado entered the northwestern part of Stanton County, Kans. This is termed a single tornado, though at times there were seen three distinct pendant clouds, not far apart. This moved eastward 10 miles, with path 100 yards wide, and caused one death and damage of $1,500.

About 4:15 p. m. of the 27th, at a place about 60 miles to east-southeast of the storm just mentioned, and about 12 miles northwest of Plains, which is in Meade County, a tornado formed and advanced southeastward, passing through the edge of Plains and continuing 3 miles beyond, or 15 miles in all. The storm is spoken of as leaving a wide path and there was not much wind damage, but the hail which accompanied it did a great deal of damage.

During May there were five tornadoes in Kansas, not counting a violent windstorm on the evening of the 11th at Galena, close to the southeast corner of the State, when some effects suggestive of a tornado were noted, though the storm is believed not to have been a tornado. No lives were lost in any of the five.

On the 19th, about 3 p. m., there was a tornado in Morris County, which is considerably to eastward of the center of the State; this moved slightly north of east about 7 miles, with very narrow path, and did no great harm.

About 6 p. m. of the 22d there was a tornado in Kiowa County, in the south-central portion of the State, starting 7 miles southwest of Greensburg and passing through that town to 2 miles northeast of it. The path was 200 yards wide, and the damage was $100,000. At an unreported hour that evening there was a tornado in eastern Barber County, about 50 miles to southeastward of Greensburg; nothing can be stated about the path, as all the damage learned of

was to the buildings on a single farm northwest of Hazelton. Though this is counted as a distinct storm it may have been an early appearance of the Sedgwick County tornado, which started 50 miles to east-northeastward; this was first noted near Viola, practically on the southern edge of the county, and it advanced northeastward about 30 miles, being at Clonmel at 8:55 and at Wichita (in the northern part of the city) about 9:30. The path is reported as a mile wide, and at the two places last named there was much damage, also in parts of the region intervening, the total being $100,000. Two tornadoes occurred in Oklahoma during the afternoon of this day.

The final May tornado in Kansas occurred late in the afternoon of the 31st, about 6 miles southwest of Dodge City, Ford County. This headed northeast, but the path was probably short and perhaps narrow as well, and the damage was not great.

During June there were violent windstorms in Kansas on the 14th, late in the afternoon and early in the evening, near and to southward of Wichita, and on the evening of the 29th in many parts of western Kansas. In each case some features indicating tornadoes were reported, yet the information as a whole points to there being no tornadoes then; so the damage and the one death are included in the table on a later page.

On August 4, in western Kansas, two towns were much damaged by violent storms, probably tornadoes. Leoti, in Wichita County, was struck at 5:10 p. m., and Garden City, 45 miles to southeastward, at 6 p. m. Each storm moved from the west, and the length of path at Garden City was about 4 miles, but at Leoti very short. The damage in each case was considerable, though no estimates of the amounts were secured, and at Leoti several persons were injured.

On September 17 a small tornado formed in the southwestern part of Rice County, near the Arkansas River. The path was apparently short, as well as narrow, and there was only small damage. This county is a short distance south of the center of the State.

Three days later, at 3 p. m. of the 20th, there was a tornado in Republic County, which is on the northern border a little to east of the midlongitude of Kansas. This passed over Belleville and caused property loss of $1,500; it probably formed 5 miles southwest of the town and ended 1 mile northeast, the track being about 50 yards wide.

On September 26, between 6 p. m. and midnight, very disturbed conditions prevailed over Harvey and northern Sedgwick Counties, also over a portion of Chase County, about 40 miles away to east-northeastward. There were possibly short tornadoes in many places; and it is definitely known that a tornado cloud was seen moving eastward about 3 miles east of Halstead, Harvey County, for a short distance, or there may have been a series of tornadoes in about the same path. Not much damage can be clearly charged to the tornado or series of tornadoes. In the count for the year but one tornado is reckoned for this, and but one arrow is charted. The next day, soon after 5 p. m., one hundred and fifth meridian time, a tornado was noted near Cimarron, Gray County, in southwestern Kansas, moving northeastward. The length and width of path were not reported, but there was no material damage.

Kentucky.—On the evening of March 11 three States that adjoin the far western part of Kentucky reported tornadoes in counties not very far distant from the Kentucky boundary, but there seems to have been no tornado in Kentucky itself, though very high winds prevailed over much of the State that night and the next day, doing much damage and causing several deaths.

On the afternoon of September 3, about 3 p. m., persons in Cairo, Ill., observed what was probably a tornado cloud; this seemed to be several miles distant in a northerly direction, which would mean the northwest portion of Ballard County, in Kentucky. No information was secured as to movement or path, or as to damage.

Louisiana.—What was apparently the earliest tornado in the country during 1923 struck the northeastern section of the city of Lake Charles, in the southwestern part of the State, at 4 a. m., on January 22. Two persons were killed and 10 injured, and there was property damage of about $50,000 in a narrow path 50 feet wide and 200 yards long.

During April there were three tornadoes in Louisiana, the first being among the most destructive of the year in the whole country. This came near 6 p. m. of the 4th, about the time that tornadoes occurred in North Carolina and in eastern Texas; it moved 33 miles eastward, with track 100 yards wide, striking Alexandria and Pineville, in central Louisiana. All 14 deaths and most of the $750,000 damage occurred at Pineville. About a week later, 4:30 a. m. of the 12th, a small tornado passed near Meridian, Evangeline Parish, 25 miles south of Alexandria; this moved northward 2 miles and caused damage of $70,000. Within 24 hours afterwards, about 2 a. m. of the 13th, the third April tornado occurred in the southeastern part of the State, at Lafourche; it moved northeastward 3 miles, with path averaging 150 yards wide; four deaths resulted and property loss of $45,000.

The last tornado in the country, save one a few hours afterwards in southern Alabama, occurred about 30 miles to south-southeast of the track of the April 13 tornado, 9 p. m., November 28, on Bayou Little Caillou, Terrebonne Parish. There were five persons killed and damage of about $50,000 was done by the storm. Marked wind damage occurred at 10:15 that night in New Orleans, about 55 miles northeastward; but this is thought not to have been the work of a tornado.

Maryland and Delaware.—On April 5, the day after three tornadoes had occurred, the nearest of them in North Carolina, a tornado formed a short distance within the north corner of the District of Columbia, and advanced 11 miles in direction between northeast and east-northeast. Most of the path was in Montgomery and Prince Georges Counties, Md., and most of the damage was in the former county. The width of path was from 100 to 250 yards. Several persons were hurt and there was property loss amounting to $100,000. The time was about 2:30 to 3 p. m.

Michigan.—On April 21, about 1 p. m., there was a small tornado to southeast and east of Ludington, probably wholly in Mason County. It advanced toward the north-northeast, between 5 and 10 miles, with track 200 yards wide, but it touched the ground only here and there. The damage was about $1,000.

One other tornado occurred in Michigan during 1923, on the same day as a Kansas tornado, namely, May 19, about 7 p. m., four hours later than the Kansas storm. The place in Michigan was nearly 70 miles south of the April 21 tornado track, but like that was not many miles east of the shore of Lake Michigan, in northeastern Ottawa and northwestern Kent Counties. It moved northeastward 18 to 20 miles, with path never wider than 100 yards; two persons were injured, and the property loss was considerable, as farm animals were killed, an orchard destroyed, two barns demolished, and other buildings damaged.

Minnesota.—No tornadoes reported.

Mississippi.—On February 2, in northwestern Mississippi, portions of Tunica and Tate Counties had violent winds, but the information secured does not establish them as a tornado, so the death and losses are counted in the table of losses from windstorms not tornadoes on a later page.

On the evening of March 15 at least five counties in the same portion of Mississippi suffered great losses, and the information points to there being two distinct tornadoes, moving northeastward, in paths between 20 and 25 miles apart. It was probably a little before 6 p. m. when Savage, at the western edge of Tate County, was almost wiped out. Arkabutla and Cottonville, to the northeastward in the same county, were struck less seriously, also part of Hernando, in De Soto County. This indicates a path 20 miles long, and the report from Savage states the width as a mile. The southeastern tornado, which apparently occurred a little later, was at Lambert, Quitman County, then at Sardis and east of Como, in Panola County, and finally near Laws Hill and Galena, in the southwestern part of Marshall County, indicating a track 50 miles long. Nine were killed or fatally hurt in or near Savage by the northwestern storm and six in the vicinity of Lambert by the southeastern one, while two deaths occurred at Walnut Lake, which is probably in the track of the southeastern storm. The loss from the northwestern was about $270,000, but would apparently have been $100,000 less but for fire which quickly started in ruins of buildings at Hernando; from the southeastern, about $80,000.

Missouri.—About 5:35 p. m., March 3, a tornado entered Missouri from Kansas and traversed the city of St. Joseph, moving eastward. Fortunately, its path was but 100 to 200 feet wide, and it rose from the ground for much of its 2-mile advance in Missouri. It is probable the whole course of this storm was 39 miles, and the damage $50,000 in Missouri but $64,000 in all. Over three hours later, and 170 miles to eastward, there was a vigorous storm at 9 p. m., west of Palmyra, Marion County, which is in the northeastern part of the State. This moved to northeastward, presumably for only a short distance; the width of path was 100 yards and the property loss $3,000.

During the evening of March 11, when high winds were felt over most of southeastern Missouri and over many States east of the Mississippi River, there were probably two tornadoes in southeastern Missouri, at points 50 miles apart. Between the times reported for these, a tornado occurred in western Tennessee and one in southern Illinois, so that the later, and more northwestern, of the Missouri tornadoes seems out of the natural time sequence. The earlier, at 7:45 p. m., was noted at Jackson, Cape Girardeau County; it moved northward 6 miles, with path 225 yards wide, and there was damage of $50,000. The later storm, passing over Farmington, St. Francois County, at 10 p. m., probably moved northeastward; other information is lacking, and presumably the damage was not large.

On May 26, about 3 p. m., a little to southeast of Warrenton, Warren County, in the east-central part of the State, a small, whirling storm moved westward a few hundred yards, with path a few yards wide. Though it is doubtful whether the storm was intense enough to be styled a tornado, it is so counted. The damage to outbuildings was about $1,000.

On June 26, at 5:30 p. m., by reports from Peru, Nebr., there was a tornado moving southeastward close to the Missouri River, chiefly over Atchison, the most northwestern county of Missouri, but at times over the river itself. It was viewed about 20 minutes, but no damage was heard of.

Montana.—Late in the afternoon of June 10, the southeastern part of Mineral County, on the western edge of the State, had violent winds in the vicinity of Rivulet. There was probably a tornado, with path at least 10 or 12 miles long. Two men were killed, a building was demolished, and there was great havoc among trees. The next day there was a severe rain and hail storm, with probably a tornado, between Bozeman and Livingston, probably in the eastern part of Gallatin County, and therefore about 220 miles southeast of the district visited by the tornado of the preceding day. Reports do not indicate that the tornado of the 11th itself caused much damage. The day afterwards, June 12, there was a tornado near Cody, Wyo., 150 miles still farther to southeastward.

On June 24, two tornadoes were noted in eastern Fallon County, close to the North Dakota boundary. The southern, near Webster, destroyed several buildings and killed a horse, the total property loss being fully $4,000. Over 30 miles to northward, at a locality about 9 miles northeast of Baker, the other storm wrecked or partly wrecked the buildings on one ranch, but the damage in Montana from this storm seems to have been only moderate. Persons near Baker consider this northern tornado the same as the disastrous one noted near Reeder, N. Dak., late that day.

On the afternoon of June 26, east of Stanford, in Judith Basin County, near the center of Montana, a tornado demolished several buildings on one ranch, taking a northerly course, with path only a few rods wide, and apparently not very long.

On July 9, very close to the extreme northeast corner of Montana, there was a terrific windstorm, in which a man was killed as his home was wrecked, but this probably was not a tornado. The next day, however, a tornado formed about 3 miles north of Ringling, in the southern part of Meagher County, south of the center of the State; this took a northwesterly course, and demolished the house and barn of one ranch. The time was between 3 and 4 p. m.

On July 21 there was much damage in and near Opheim, Valley County, in northeastern Montana, the reports indicating rotary winds of such violence that the storm is probably to be considered a tornado. Details of the path are lacking, but one man was hurt.

Nebraska.—There were at least three tornadoes on September 28 and three at other times during the year. The first of 1923 in the State, on April 23, about 3:40 p. m., came from Kansas, where it had formed near Oketo. In Nebraska it moved northeastward through the southeasternmost part of Gage County and on into Pawnee County, not far from the southeast corner of the State. The path in Nebraska was about 11 miles long, or in all about 14, and was a quarter to a half mile wide. There were three killed on the Nebraska side of the State line, and the property loss was about $32,000, practically all in Nebraska.

On June 14, at an unreported hour, there was a tornado less than a mile from Burwell, Garfield County, a short distance to northeastward of the center of the State. Nothing was learned about the path, and no damage was reported. Late in the afternoon of the 26th the observer at Peru, Nemaha County, not far from the southeast corner of Nebraska, saw a tornado following the course of the Missouri River, but, as far as noted, it was always over Missouri or else over the river, so it is not counted as a Nebraska tornado. At Fremont, Dodge County, in the eastern part of the State, there was a violent windstorm about 4 p. m., June 27, but it is believed this was not a real tornado, and the damage is noted in the table on a later page.

At 7:30 p. m., September 27, over two hours after a tornado in southwestern Kansas, about 300 miles to southeastward, the southern part of Oshkosh, Garden County, in western Nebraska, and some farms near the village were visited by a tornado, which caused a moderate amount of damage, several buildings being wrecked.

About 135 miles to north-northeast of the tornado just mentioned, in a locality very close to the South Dakota line and about 10 miles northeast of Nenzel, Cherry County, the following day saw a tornado which caused considerable property loss, killing farm animals and wrecking or damaging buildings. The hour and details of the path were not secured. Approximately 220 miles to southeastward of Nenzel, in western York County, there seem to have been at least two tornadoes, and perhaps more, this day, a number of buildings being wrecked. In Council Bluffs, Iowa, just across the Missouri River from Omaha, Nebr., there was a small, but disastrous tornado at 7:50 p. m. There is a report that two men were killed at Seneca late in the day, when a house was razed by a tornado; but it is thought that this was probably a "straight-line" west or northwest wind, and this is reckoned in the table of losses from windstorms. The place is in northern Thomas County, about 70 miles south-southeast of Nenzel.

Nevada.—No tornadoes reported.

New England.—In part of the city of Hartford, Conn., shortly before 3 p. m., June 26, there was marked wind havoc, trees suffering greatly and wire lines and small buildings being somewhat damaged. There were suggestions of tornadic action, but probably the storm was not a tornado, and the damage is considered in the table of losses by windstorms on a later page.

West Springfield, Mass., 25 miles north of Hartford, was visited by a small tornado about 2:30 p. m., August 5. The whirling cloud was noted west of the village of Mittineague, and in that village damage by the whirling wind occurred, so the whole path was nearly 3 miles long, the storm moving eastward. Most of the damage was in a half-mile course through West Springfield, the track being 200 feet wide; several were hurt, two of them severely, and the property loss was about $200,000.

New Jersey.—No tornadoes reported.

New Mexico.—There were two small tornadoes on successive days in June. On the 7th, about 1:35 p. m., a tornado advanced 7 or 8 miles northeastward, passing 6 miles southeast of Moriarty, in the northern portion of Torrance County, in the central part of the State. There was damage of $2,000. About 4 p. m. of the 8th the other tornado moved east-northeast, touching the northwest corner of Roswell. Its path was not more than 250 yards wide, and the property loss was $10,000.

New York.—On June 24, about 3 p. m., there was a destructive wind, probably a small tornado, at Fly Summit, in Washington, one of the eastern border counties. The direction and length of track are not known, but the width was about 250 yards. Buildings were damaged to the extent of $5,000.

On August 5 there was a severe windstorm in the northern part of Kingston, but the press designation of "tornado" is thought incorrect. The West Springfield, Mass., tornado occurred this day, 75 miles to eastward.

North Carolina.—On April 4, a day when tornadoes occurred in Louisiana and Texas and the day before one was noted in Maryland, there was a tornado east of the center of North Carolina, in Wake and Nash Counties, about 6 p. m. It started apparently a mile southeast of Wendell and moved northeastward 10 miles; one person was fatally hurt and the property loss was $100,000.

North Dakota.—Adams County, in southwestern North Dakota, had surely one and probably two tornadoes during June, and between their dates Sioux County, in the south-central part, had a small tornado. On the 13th, in a locality 8 miles north of Hettinger, there was probably a tornado, but details are lacking. In the eastern part of Sioux County close to the Missouri River, there was a small tornado about 5 p. m., on June 22; this moved northeastward about 2 miles, but there was nothing of account in the path, so the damage was insignificant. Two days later, about 9 p. m., a disastrous tornado occurred, probably coming from Baker, in eastern Montana, and passing over about 50 miles, the whole length of Bowman County. From the beginning to the end of damage in Adams County was 25 miles, but there was an 8-mile gap in this path; the direction was to the east-southeast; seven deaths resulted and the property loss was surely large, but no estimate of the amount was furnished.

On July 8, parts of Sheridan and Wells Counties, to eastward of the center of the State, probably had a tornado; not many details were secured, save that the path was very crooked, a woman was killed, and there was considerable damage.

On August 11 a tornado struck Dawson and moved on probably more than 20 miles into the western part of Stutsman County. There was a large amount of damage, chiefly at Dawson; this town is in Kidder County, about 40 miles south of the eastern end of the track of damage on July 8, and it is probable the general advance of each storm was eastward. Dawson is about 60 miles northeast of Fort Yates, Sioux County, where the June 22 tornado was noted.

Ohio.—On the afternoon of May 15, about six hours after a tornado had occurred in Tennessee, 400 miles away to southwestward, there was a violent storm, probably a tornado, in Guernsey County, in the east-central part of Ohio. The time was between 4:15 and 4:50, and the advance was northeastward, at least 7 miles, with path 100 to 200 yards wide near the start but wider farther on. Six persons were hurt, one of them quite seriously, and the property loss was $75,000.

On August 14, Wayne County, in the northeastern part of the State, had a violent storm, rather probably a tornado, but with severe hail to cause destruction as well as the wind. The hour, details of the path, and the total damage are not reported, and it would not be easy to estimate what part of the losses should be attributed to tornadic winds.

Oklahoma.—There were apparently eight tornadoes during the year, six of them in May. On May 8, about 4 p. m., Farry, Woods County, in the northwest part of the State, had a tornado with path 100 yards to a half mile wide, but only small damage. On the 21st, about 1 p. m., there was a tornado near Eagle City, close to the western edge of Blaine County, which is somewhat to northwestward of the center of the State; the path was narrow, averaging about 100 feet wide, and the property loss was $5,000. Near McLean, Gray County, Tex., 120 miles to southwestward, there was a tornado three or four hours later. On the afternoon of the next day, the 22d, there were apparently two tornadoes in Oklahoma. Only a few miles south and southwest of the scene of the May 8 tornado, Salt Springs, Harper County, and Edith and Freedom, Woods County, report visits from what was probably a single tornado, moving eastward about 10 miles, though the places are not quite in line, and the hour was reported as 4 p. m. at Salt Springs, the western point, and 3 p. m. at Edith, the central point. The width of path was from quarter to half a mile; one person was killed near Edith; and the damage at Edith and Freedom was $75,000. In the near-by parts of Kansas there seem to have been three tornadoes late that day, one, near Greensburg, being 50 miles north, and another, near Hazelton, being 40 miles northeast of Freedom. At 4 p. m. that day, about 130 miles to south-southeast

of Freedom, there was a tornado in eastern Comanche County, Okla., to the south of Elgin; the track was 150 yards wide, and there was property loss of $5,000.

The fifth May tornado was a small one, noted at 9 p. m. of the 29th, at Hooker, where some windmills were wrecked and several buildings damaged. Hooker is located in the narrow northwestern strip. The final May tornado in Oklahoma occurred about 20 miles east of Elgin, at Rush Springs, in the southern portion of Grady County. The time was near midnight on the 31st; the path was but 60 yards wide, while the damage was $3,000.

On July 12, in the afternoon, a possible tornado occurred at Granite, Greer County, with very wide path; but the information secured leads to the belief this was not a tornado, and the two deaths and the damage are counted in the table of losses from windstorms not tornadoes, on a later page. On July 30, at 6:15 p. m., a tornado occurred at Hollister, Tillman County, moving northeastward, with path quarter of a mile wide; there was damage of $12,000. Hollister is not far from the Texas boundary, the Red River, and about 6 p. m. that day, approximately 40 miles to east-southeast of Hollister, there was a tornado in the bed of the Red River, which is counted as a Texas storm.

Two places reported destructive winds on September 18, but only the one near the southwestern corner of the State is thought to have had a tornado; this was 8 miles northwest of Olustee, Jackson County; the time was 3 p. m., the advance was northeastward, with path 200 yards wide, and the property loss was $12,500.

Oregon.—No tornadoes reported.

Pennsylvania.—On May 12, about 4 p. m., the suburban section of Pittsburgh known as "Squirrel Hill" was visited by a violent wind, probably a tornado of slight force. The storm moved from southwest to northeast, in all about three-fourths of a mile, and the stretch where damage occurred was about a quarter mile wide. The funnel-shaped cloud was observed by several persons, but it seems to have been wholly in the air except for the distance stated. The damage to buildings and trees was about $20,000. There was a tornado in Tennessee that day, not far from Nashville; the time of the Tennessee storm was an hour earlier, 2 p. m., ninetieth meridian time, and the locality was almost 500 miles southwest of Pittsburgh.

Porto Rico.—No tornadoes reported.

South Carolina.—About 6 miles from Greenville, Greenville County, in the northwestern part of the State, a small tornado was noted near 4 p. m., April 13. The length of path is not definitely reported, but apparently it did not exceed a mile, while the width, as marked by destruction of trees in a thick wood, was but 10 yards or slightly less. The tornado moved from southwest to northeast, and caused damage of about $1,000. Within 36 hours previous to this, two tornadoes had occurred in Louisiana.

South Dakota.—On June 18, Fedora, Miner County, in the eastern portion, was visited by intense wind, excessive rain, and hail. Some of the débris left by the wind indicated twisting or rotary wind action, so there was probably a short tornado. Details are lacking, except that the damage apart from the rain and hail injury was not great.

About 5 p. m., August 10, a tornado seemed to form on the Gordon Marsden farm, 8 miles south of Westa, Pennington County, in the southwestern portion of the State. Buildings and machinery were destroyed and grain stacks blown away. Information was secured that on some near-by farms great hail damage occurred at this time, but no more could be learned of the tornado.

Tennessee.—During the night of March 11-12, when severe winds were experienced over most of Tennessee and many States in the vicinity, there were four tornadoes between the hours of sunset and midnight. The earliest and latest occurred in southeastern Missouri, and another was in southern Illinois. The second in point of time, and much the most disastrous, was the one in Chester and Madison Counties, in western Tennessee. This caused greater loss of life than had occurred previously by a tornado anywhere in the country for almost two years. It started near Deanburg, approximately a third of the way from Memphis to Nashville, and

moved northeastward to and 3 miles beyond Pinson, about 13 miles in all. The time at Pinson was 8:05 or 8:10 p. m. The track was from 200 to 400 yards wide, 20 persons were killed, and the property loss was about $100,000.

There were two tornadoes about the middle of May, 68 hours apart in time, and 50 miles in distance, each somewhat to westward of the center of the State. No lives were lost in either. The earlier storm, about 2 p. m. of the 12th, moved 10 miles to eastward, or slightly south of eastward, in northern Davidson and southern Sumner Counties. The width of track was from 50 to 200 yards and the damage $65,000. The later storm was to southward, in Marshall County, about 10 a. m., the 15th; some buildings 12 miles north of Lewisburg were damaged about $6,000 worth. Arkansas had reported two tornadoes the preceding day, while eastern Ohio had one the same day, a few hours afterward.

Texas.—The information that has been assembled indicates eight tornadoes in the State during 1923, a number exceeded by Kansas, equaled by Oklahoma, and almost equaled by Iowa, Montana, and Wyoming.

On January 30, about 5 p. m., an unimportant tornado was noted in Callahan County, which is somewhat to northwest of the center of the State. It began about 5 miles south of Dudley, and advanced 6 miles to northeastward. The path was 300 yards wide, but the damage was slight.

Late in the afternoon of April 4, a tornado passed southeastward near Atlanta, Cass County, in the extreme northeastern part of Texas. The path was 6 miles long and 100 yards wide, and there was damage of $35,000. At the end of the path this storm was not many miles from the point where Arkansas, Louisiana, and Texas come together, and a tornado, probably quite distinct from this Texas storm, was noted in central Louisiana, about 150 miles southeast of Atlanta, this day at 6 p. m.

Wichita and Clay Counties, which are on the northern border and adjacent, had violent wind and hail storms late on April 24; the information is that the storms advanced in almost opposite directions. Only the Wichita County storm, which moved southward and was near Burkburnett between 8 and 9 p. m., showed tornado characteristics, the damage which resulted from its high winds being $25,000.

About 2:30 p. m., May 1, a narrow-path storm, almost surely a tornado, wrecked two houses and a barn northwest of Wylie, and took a northeastward course of probably only a few miles. The place is in Collin County, in the northeastern portion of the State.

On May 14 there were two tornadoes, many hours apart and in counties scores of miles distant. The earlier tornado, or it may have been a pair or group of tornadoes, occurred in the western portion, Howard and Mitchell Counties, between 4 and 5 a. m. If it was a single tornado, it caused a greater loss of life than any other that had occurred since April, 1921, slightly exceeding the storm in western Tennessee on March 11, 1923. From the beginning, in southern Howard County, to the end, in northeastern Mitchell, is close to 50 miles in a straight line, but the direction was eastward near the start and northward near the end. The width of path varied from 100 to 880 yards. The deaths were 23 and the damage was estimated as $50,000. This was the only 1923 tornado in Texas that involved loss of life. Seventeen hours later, Thrall, Williamson County, to southeastward of the center of the State and about 250 miles east-southeast from the path of the morning storm, had a small tornado, moving northeastward but a short distance, probably, and causing damage of $600. This was before 10 p. m., and within the six hours preceding two tornadoes had occurred in Arkansas.

One week after these two tornadoes, at 4:30 p. m., May 21, there occurred a severe tornado, followed by heavy hail, in the vicinity of McLean, Gray County, which is in the eastern portion of the Texas "Panhandle." The movement was northeastward, with path a fourth to a half of a mile wide, but the length of path was not reported. There was damage from the tornado winds amounting to about $100,000.

On July 30, about 6 p. m., a tornado moved eastward along the bed of the Red River, near Byers, Clay County. The Red River here forms the Texas-Oklahoma boundary. The only

other information secured was that it destroyed a wagon bridge, the loss of which was estimated at $50,000. The tornado a few minutes later (6:15 p. m.) at Hollister, Tillman County, Okla., 40 miles away to the west-northwestward, must be considered a distinct storm.

Utah.—No tornadoes reported.

Virginia.—A brief, intensely violent windstorm struck the Little Island Coast Guard station and buildings close by at 12:01 a. m., April 29. This is in Princess Anne County, but a little distance from the southeastern corner of the State. The storm moved eastward to sea, leaving a path of destruction 600 yards wide. No casualties were reported, nor was an estimate of the damage furnished. It is thought the storm should be classed as a tornado.

Virgin Islands.—No tornadoes reported.

Washington.—There is a slight possibility of a tornado near Davenport, Lincoln County, in the eastern portion, on June 7. A barn was destroyed by violent wind, and a witness saw what seemed to him a tornado cloud. This information is so inconclusive that it is preferred to count the damage merely in the table of losses by winds not tornadoes.

West Virginia.—No tornadoes reported.

Wisconsin.—No tornadoes reported.

Wyoming.—Reports indicate three tornadoes late in May, occurring in a north-south strip considerably east of the center of the State. The Barber tornado, in the eastern part of Johnson County, is stated to have occurred on the 30th, to have moved northeastward, and to have done damage of $1,200. The width of path was 40 yards, but the length is unknown. On the 31st, between 3 and 4 p. m., Lariat, in the southeastern corner of Sheridan County, and about 20 miles north by east from Barber, was visited by a tornado, which left a path 2 miles long and 300 yards wide; a man was killed and there was damage of $4,000. Also on the 31st, Glenrock, Converse County, about 125 miles south of Lariat, had a tornado, moving northeastward, with path 500 feet wide; two persons were hurt and again the damage was about $4,000.

Two days after the Lariat and Glenrock tornadoes, on the afternoon of June 2, Laramie County, the most southeastern in the State, had two small tornadoes in the vicinity of Cheyenne. The tall, slender clouds were well observed, though not by the same persons or at the same time; yet they were not far apart in distance or time. The earlier, probably about 2:30 p. m., and more northerly, moved from about 5 miles west of Cheyenne to 6 miles northeast of the city, thus covering a 10-mile path in an east-northeastward direction. The width of path was about 40 feet, and one barn was encountered, resulting in damage of $200. The other started about 2:55 a little southeastward of Cheyenne, and advanced 3 miles north-northeastward, but the track was only 10 to 30 feet wide, and the damage was insignificant.

Two tornadoes occurred later in June, in localities not very far apart in the northwestern part of Wyoming. The hours were not reported, but each took a northeastward direction. The tornado near Cody, Park County, June 12, left a path a quarter mile wide, but of unreported length; the damage was about $75; but one person was hurt. About 40 miles northeastward of Cody, Lovell, Big Horn County, had a tornado June 22, with path a mile wide and 7 miles long; the damage was $5,000, and one person was injured.

HAIL, 1923

Charts 6 and 7 indicate where injurious hail occurred during the warm season, April to September, inclusive. The information was obtained chiefly from the records and special reports of regular and cooperative stations of the bureau. Two grades are indicated, Chart 6 showing the places where there was moderately heavy hail, causing only slight damage, while Chart 7 shows where heavy or decidedly destructive hail occurred. Falls of hail too light to cause damage were noted at hundreds, if not thousands, of stations, and no attempt is made to chart such falls. Hailstorms are often extremely local, and in their occurrence from year to year show much irregularity; therefore the distribution that appears on the charts should not be construed as the usual condition. During 1923, as in the case of tornadoes, hailstorms seem to have been fewer than usual in many parts of the country, particularly to eastward of the Mississippi

River. The facilities for securing hail information are considerably greater in certain of the States than in others, and the zeal and care of the observers and reporters show marked differences. The greater the facilities and the more accurate the observers are, the more numerous are likely to be the dots representing hailstorms; and in certain States, as Iowa, a larger number of dots is likely to represent many reports as compared with neighboring States, instead of many hailstorms.

In certain cases destructive hailstorms have been accurately reported over paths of such length that it is more suitable to represent them on Chart 7 by lines than by dots. There was a notable storm in the western part of the Florida Peninsula during the forenoon of May 3, starting not far from Tampa and advancing southeastward 65 miles, the path being 10 miles wide at the widest. In southeastern Montana there was a long path on July 16, the storm advancing almost directly eastward. If fuller information were available some of the series of charted dots would probably be connected into lines, the dots really being scattered reports of long-path storms.

In Iowa, for the first time, the township assessors conducted a survey of the year's hail damage over the State, and the aggregate damage was found to be $2,319,506.

In Hawaii no hail whatever was reported and there was none of any moment in Alaska, Porto Rico, or the Virgin Islands.

LOSSES FROM WINDSTORMS, 1923

For the eighth successive year statistics have been collected, chiefly through the field-service officials of the bureau, as to property damage and loss of life due to windstorms that are considered not to have been tornadoes. The results appear in the table following, the amounts stated being merely estimates of the damage; and often it was not feasible to secure even rough estimates, so symbols appear instead, yet in most cases these symbols stand for comparatively small losses. Deaths and fire losses resulting from lightning are not shown in the table, even though high winds occurred at the time; and when rain or hail or both come with the severe wind and aid it in causing damage, an effort is made to estimate the share of the damage due to wind. As with tornadoes and severe hailstorms, most of the individual windstorms whose results are indicated in the table have been mentioned in the chronological lists presented in the issues of the Monthly Weather Review.

The deaths enumerated are fewer than the average number appearing in the like tables of preceding years, though not as few as the smallest number for any year. The losses likewise are less than average. These situations are chiefly due to the absence of serious results from any hurricane of tropical origin, though some damage is represented in the October items for Louisiana, Mississippi, Alabama, and Florida, owing to the hurricane which affected the coasts of those States (but only a small part of the Florida coast) about the 15th to 17th of that month.

There were no very violent storms in January, and but one of much importance in February—the blizzard which affected the northern border States from Montana to Michigan, and a few States to the southward, shortly before the middle of the month. About a score of lives were lost, and railroads and highways were seriously blockaded in several States. These deaths are not counted in the table, for the wind was not so important a factor as the cold and the snow.

March brought one very important general storm, about the 11th, in connection with which tornadoes occurred in Missouri, Illinois, and Tennessee. The wind damage apart from tornado areas was enormous, occurring chiefly from Arkansas and Tennessee northeastward to the southern part of the Lake region. In Illinois the total property loss outside the tornado track was about $800,000, but in the northern portion much of the damage which goes into this total was connected with the weighting down of wires by glaze or damp snow, so it is not deemed correct to enter $800,000 in the table.

A group of local storms on June 25 in Wisconsin caused great losses, with Sheboygan County the locality of greatest damage. Marked windstorm losses occurred in central and eastern North Dakota on July 8, and in western Iowa two days later; also on September 18 in and near Oklahoma City. Generally there were fewer violent local wind squalls during the warmer

months than in an average year, and this was more particularly true to eastward of the Mississippi River. There were no marked losses during the late months of 1923, save in portions of the far West.

The 68 deaths indicated in the table occurred in 22 States, Washington leading with 15 and Kentucky standing next with 11. The manner in which these occurred is unknown in 8 cases; of the other 60, 26 came about when the wind caused foundering or stranding of large craft, 3 by upsetting of small craft, 4 by contact with live wires blown down, 16 when buildings were wrecked by wind, 1 when a roof, lifted by wind, dropped on the victim, and 2 by falling of structures other than buildings. Trees uprooted or broken by wind killed 5 and a tree branch another; and, finally, 1 man was blown from a cliff and another from a train with fatal results. In the North Pacific States, during December, all the 24 deaths came about when large craft succumbed, while March stood second among the months in number of deaths from winds not tornadoes, with 19. Only November, among the months, had no such deaths.

In the navigation of the Great Lakes during 1923, according to the president of the Lake Carriers' Association, no seaman lost his life by shipwreck—a very unusual record for a year. Navigation opened late, while there was a marked absence of winter storms preceding the close of the season.

Losses from windstorms, other than tornadoes, by months and sections, 1923

[Figures, except in right-hand column, indicate dollars]

Section	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year	Number of lives lost
Alabama	(1)		(1)	[2] 4,800	[2] 1,200	100		(1)		[2] 19,300		(1)	[2] 25,400	
Alaska											[2] 17,000	300	[2] 17,300	
Arizona							[2] 5,000		(1)				[2] 5,000	
Arkansas			(1)	(1)	(1)	1,500						(1)	[2] 1,500	1
California		[2] 17,000									(1)	(1)	[2] 17,000	
Colorado	[2] 8,800		(1)		1,000	[2] 1,000	[2] 3,000	(1)				(1)	[2] 13,800	
Florida				(1)	110,000	(1)				[2] 5,000			[2] 115,000	1
Georgia	(1)		[2] 25,000	[2] 5,000	(1)	[2] 5,000	(1)	5,000					[2] 40,000	2
Hawaii	(1)												(1)	1
Idaho				(1)			(1)					(1)	(1)	
Illinois		(1)	(1)	[2] 2,000	(1)	(1)	[2] 10,000	[2] 2,000		(1)			[2] 14,000	1
Indiana		(1)	340,000		(1)	(1)	(1)	(1)		(1)			[2] 340,000	
Iowa			(1)		(1)	(1)	[2] 200,000	(1)					[2] 200,000	1
Kansas			(1)	(1)	37,500	[2] 150,000			[2] 160,000				[2] 347,500	1
Kentucky			[2] 1,650,000			(1)		(1)					[2] 1,650,000	11
Louisiana					32,000					(1)	20,000		[2] 52,000	
Maryland and Delaware		(1)		(1)		(1)							(1)	
Michigan		(1)	(1)		(1)	(1)							(1)	
Minnesota						(1)	(1)						(1)	2
Mississippi		(1)	(1)	(1)	[2] 2,000					[2] 29,500			[2] 31,500	3
Missouri			(1)		(1)	(1)	(1)						(1)	
Montana					(1)	(1)	(1)	(1)					(1)	4
Nebraska						(1)			(1)				(1)	2
Nevada							(1)						(1)	
New England				(1)		(1)		(1)					(1)	
New Jersey			(1)	(1)			(1)	(1)					(1)	
New Mexico		(1)	(1)	(1)	(1)							(1)	(1)	
New York	(1)		(1)	[2] 10,000		(1)		(1)		(1)		(1)	[2] 10,000	4
North Carolina	(1)		(1)	(1)		(1)	(1)						(1)	
North Dakota	(1)					(1)	[2] 500,000					(1)	[2] 500,000	
Ohio			[2] 40,000	15,000		(1)	(1)	(1)		(1)			[2] 55,000	2
Oklahoma					[2] 1,000	(1)	1,000		600,000				[2] 602,000	2
Oregon			(1)									(1)	(1)	9
Pennsylvania		(1)	(1)	(1)	(1)	(1)	(1)					(1)	(1)	2
Porto Rico														
South Carolina			[2] 30,000	(1)	(1)				(1)				[2] 30,000	
South Dakota		(1)	(1)	300		(1)	(1)	[2] 1,000					[2] 1,300	1
Tennessee			[2] 600,000	(1)	(1)	(1)	[2] 25,000	(1)					[2] 625,000	1
Texas			(1)	[2] 3,000	(1)	1,000	[2] 10,000	(1)	(1)				[2] 14,000	
Utah				(1)									(1)	
Virginia	(1)												(1)	
Virgin Islands														
Washington	1,800		(1)			(1)				(1)		[2] 14,700	[2] 16,500	15
West Virginia			(1)										(1)	
Wisconsin		(1)	(1)		25,000	[2] 501,000	(1)						[2] 526,000	
Wyoming	2,000					2,000			8,000			(1)	[2] 12,000	

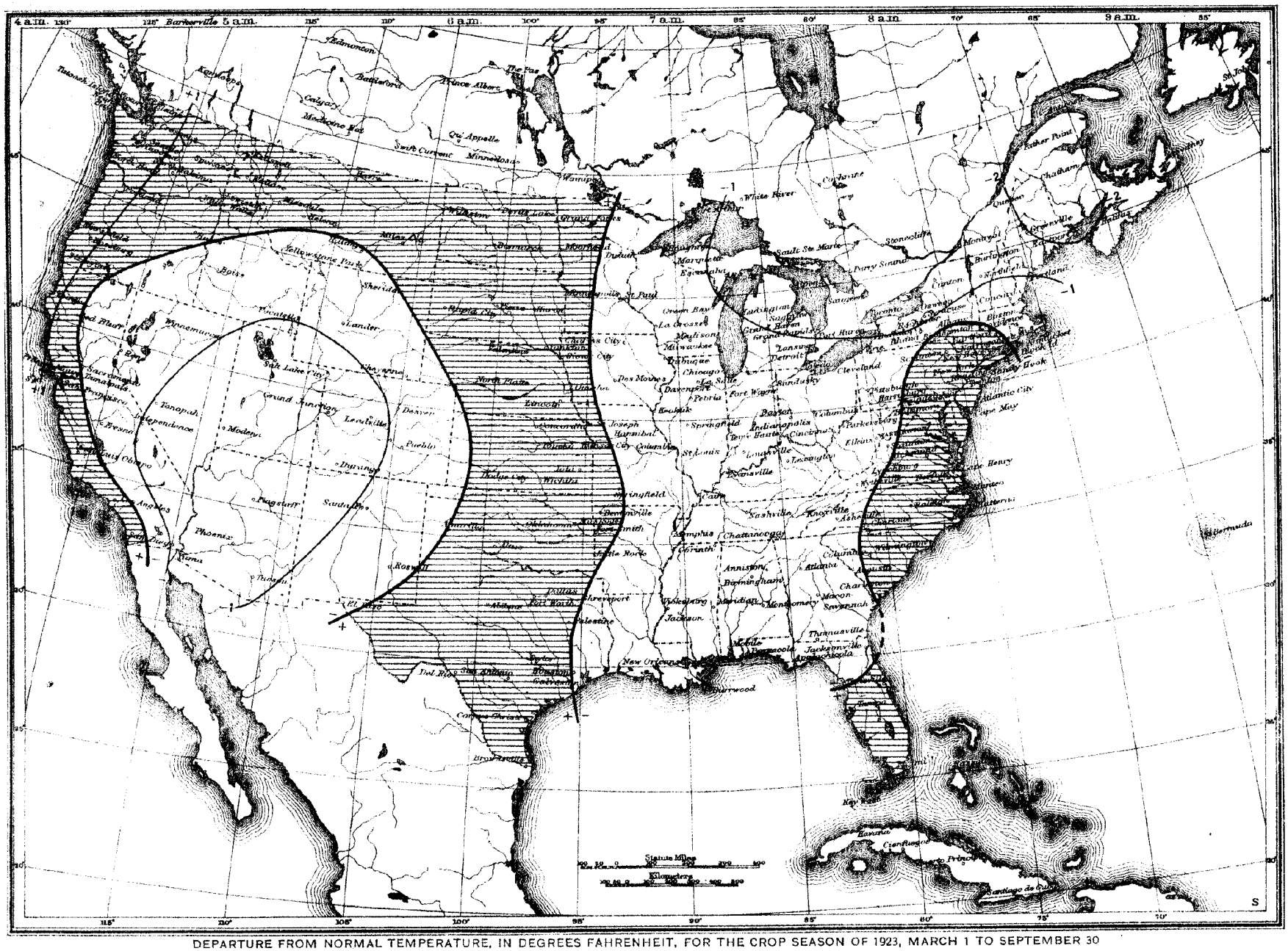
[1] Loss not estimated occurred.
[2] Loss not readily estimated in addition to amount of loss stated.

Annual summary, climatological data, Canadian stations, 1923

[Data furnished by the Canadian Meteorological Service]

Station	Pressure, inches			Temperature, degrees Fahrenheit						Precipitation, inches		
	Station, reduced to mean of 24 hours	Sea level, reduced to mean of 24 hours	Departure from normal	Mean maximum+mean minimum ÷2	Departure from normal	Mean maximum	Mean minimum	Highest	Lowest	Total	Departure from normal	Total snowfall
Port aux Basques, Newfoundland				36.5		42.0	30.9	74	−10	51.54		152.9
Sydney, Cape Breton Island	29.90	29.95	+0.01	40.4	−0.9	48.6	32.3	83	−16	52.96	+2.68	121.5
Halifax, Nova Scotia	29.85	29.96	−0.01	42.5	−0.3	51.2	33.8	89	−8	52.77	−4.26	100.5
St. John, New Brunswick				39.8		47.2	32.3	84	−14	44.76		125.9
Charlottetown, Prince Edward Island	29.88	29.92	−0.02	40.2	−0.8	47.5	32.9	81	−21	22.57	−19.05	99.5
Chatham, New Brunswick	29.84	29.87	−0.07	37.6	−1.1	48.4	26.8	95	−35	30.82	−10.47	77.2
Father Point, Quebec	29.92	29.94	+0.01	32.5	−2.3	40.5	24.5	78	−29	37.88	+4.89	71.1
Quebec, Quebec	29.66	29.99	+0.01	38.8	+0.6	46.5	31.0	88	−28	45.95	+4.33	134.1
Montreal, Quebec	29.77	29.98	−0.01	41.8	+0.3	49.7	34.0	91	−22	43.05	+2.06	118.8
Ottawa, Ontario	29.73	30.00	0.00	41.7	+1.1	51.5	31.8	95	−30	35.35	+2.75	102.7
Kingston, Ontario	29.69	30.01	0.00	43.4	+0.3	50.8	36.0	92	−13	25.44	−7.37	36.1
Toronto, Ontario	29.60	30.01	−0.01	45.6	+1.4	54.1	37.1	96	−12	33.54	−0.18	71.2
Port Stanley, Ontario	29.41	30.06	+0.03						−10	27.08	−7.34	58.2
Southampton, Ontario	29.29			41.9	−0.5	50.0	33.7	87	−14	30.35	−3.86	96.3
Parry Sound, Ontario	29.29	29.99	−0.01	40.2	0.0	49.9	30.4	92	−27	33.05	−5.22	107.9
Cochrane, Ontario				32.2		42.4	22.1	90	−38	21.54		33.5
White River, Ontario	28.64	29.99	+0.01	31.2	−0.9	45.1	17.4	92	−50	20.36	−4.43	80.2
Port Arthur, Ontario	29.30	30.02	+0.02	36.6	+2.2	45.2	28.1	95	−30	17.59	−7.17	29.6
Winnipeg, Manitoba	29.16	30.01	+0.01	37.8	+4.7	48.7	26.9	96	−35	15.70	−5.28	53.5
Minnedosa, Manitoba	28.15	30.00	0.00	34.3	+2.7	45.3	23.2	88	−40	18.99	+2.54	48.3
The Pas, Manitoba				31.8		44.2	19.4	91	−40	12.63		28.0
Qu'Appelle, Saskatchewan	27.68	29.96	−0.02	36.8	+3.5	48.1	25.4	91	−36	27.05	+10.97	66.0
Moose Jaw, Saskatchewan				38.9		50.5	27.3	95	−31	16.95		30.1
Swift Current, Saskatchewan	27.38	29.95	−0.02	39.7	+2.2	52.4	27.1	92	−36	16.38	+0.91	25.1
Medicine Hat, Alberta	27.63	29.90	−0.06	44.8	+4.5	57.2	32.4	98	−34	17.15	+3.35	60.7
Calgary, Alberta	26.39	29.99	+0.06	40.8	+3.6	55.1	26.6	90	−39	23.87	+9.00	55.3
Banff, Alberta	25.36	29.97	+0.04	37.7	+3.0	50.1	25.2	90	−43	21.15	−0.76	63.1
Prince Albert, Saskatchewan	28.41	30.01	+0.03	35.3	+4.8	47.4	23.2	88	−41	14.63	−0.28	21.2
Battleford, Saskatchewan	28.20	29.96	−0.01	37.9	+5.2	50.2	25.6	88	−41	14.70	+0.77	16.3
Edmonton, Alberta	27.62	29.92	−0.01	38.7	+3.1	50.4	27.1	86	−36	17.35	+1.52	43.8
Kamloops, British Columbia	28.75	30.06	+0.13	47.6	+0.5	57.7	37.5	101	−17	11.00	−0.63	18.2
Vancouver, British Columbia				50.1		56.9	43.3	85	10	52.49		43.7
Victoria, British Columbia	29.79	30.05	+0.05	50.0	+1.4	55.9	44.1	86	11	27.50	−10.64	30.2
Barkerville, British Columbia	25.63	29.96	+0.06	36.2	0.0	45.8	26.6	76	−34	37.05	+3.49	211.2
Prince Rupert, British Columbia				46.9		53.6	40.2	79	5	132.07		33.8
Atlin, British Columbia				34.4		42.8	25.9	82	−34	14.43		50.8
Dawson, Yukon				24.9		35.5	14.3	91	−48	12.04		63.4

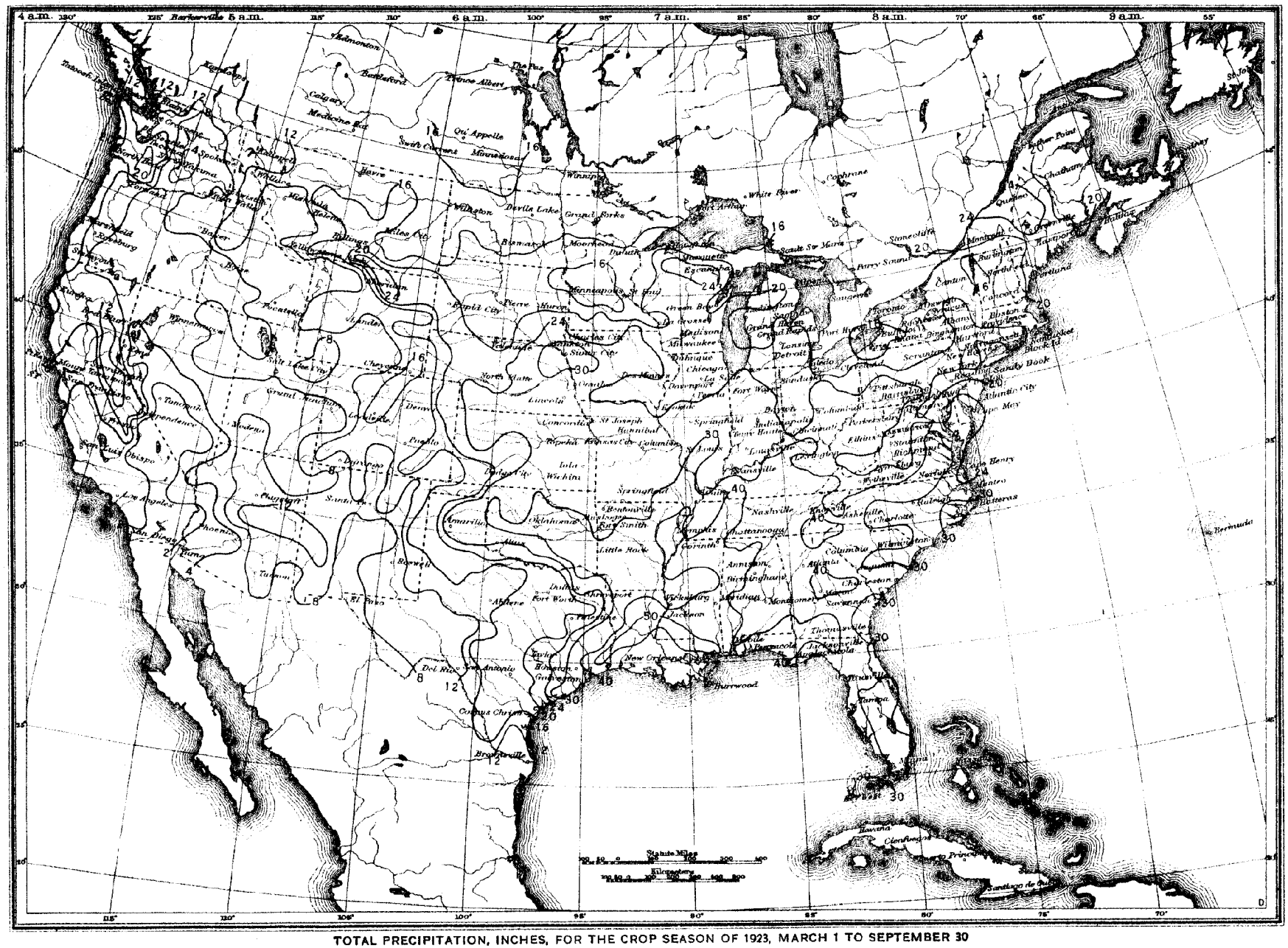
CHART I



DEPARTURE FROM NORMAL TEMPERATURE, IN DEGREES FAHRENHEIT, FOR THE CROP SEASON OF 1923, MARCH 1 TO SEPTEMBER 30

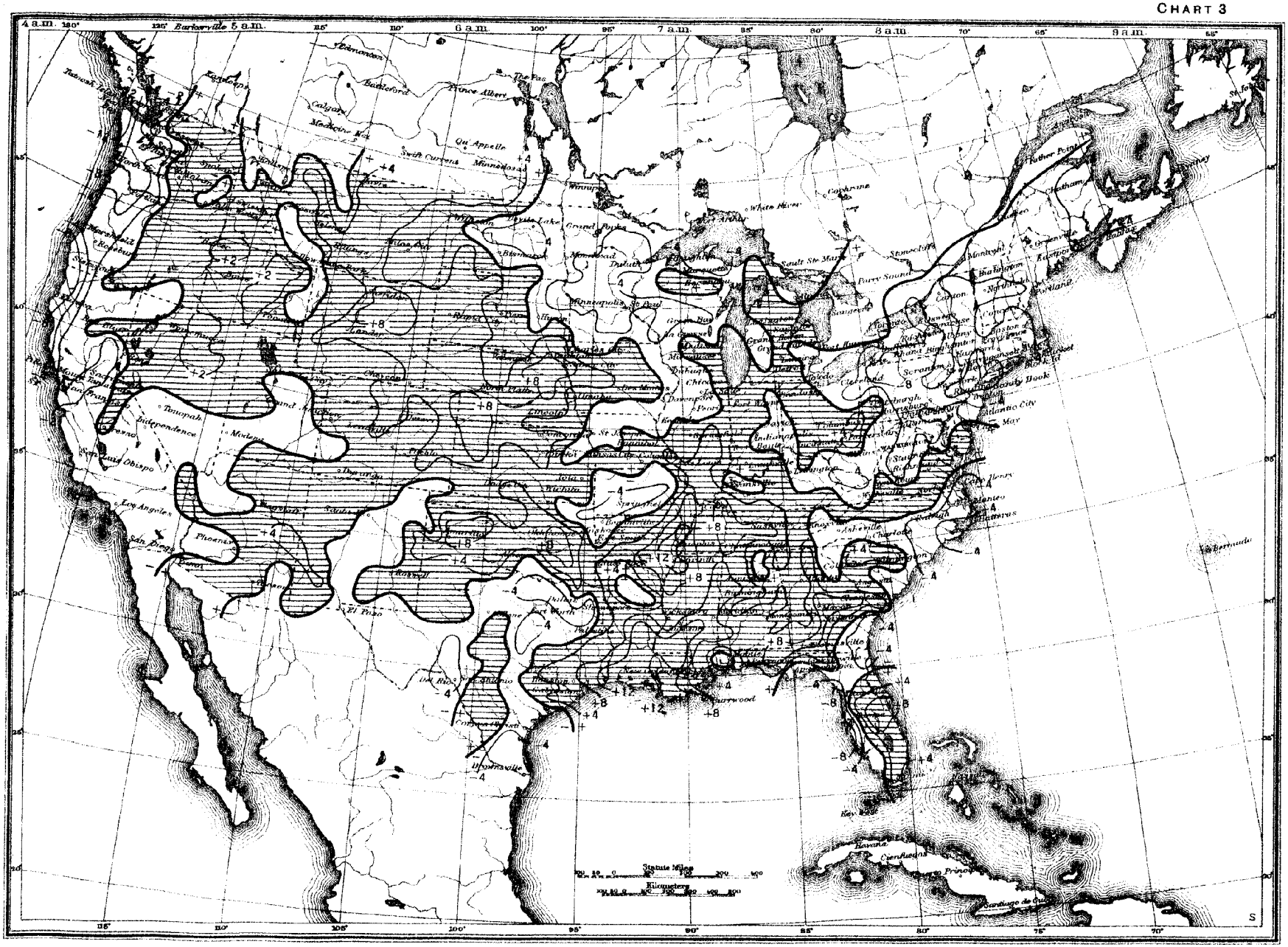
Shaded portions show excess (+) and unshaded portions deficiency (−) of temperature
Figures show mean daily excess (+) or deficiency (−) of temperature over areas bounded by light lines

CHART 2



TOTAL PRECIPITATION, INCHES, FOR THE CROP SEASON OF 1923, MARCH 1 TO SEPTEMBER 30

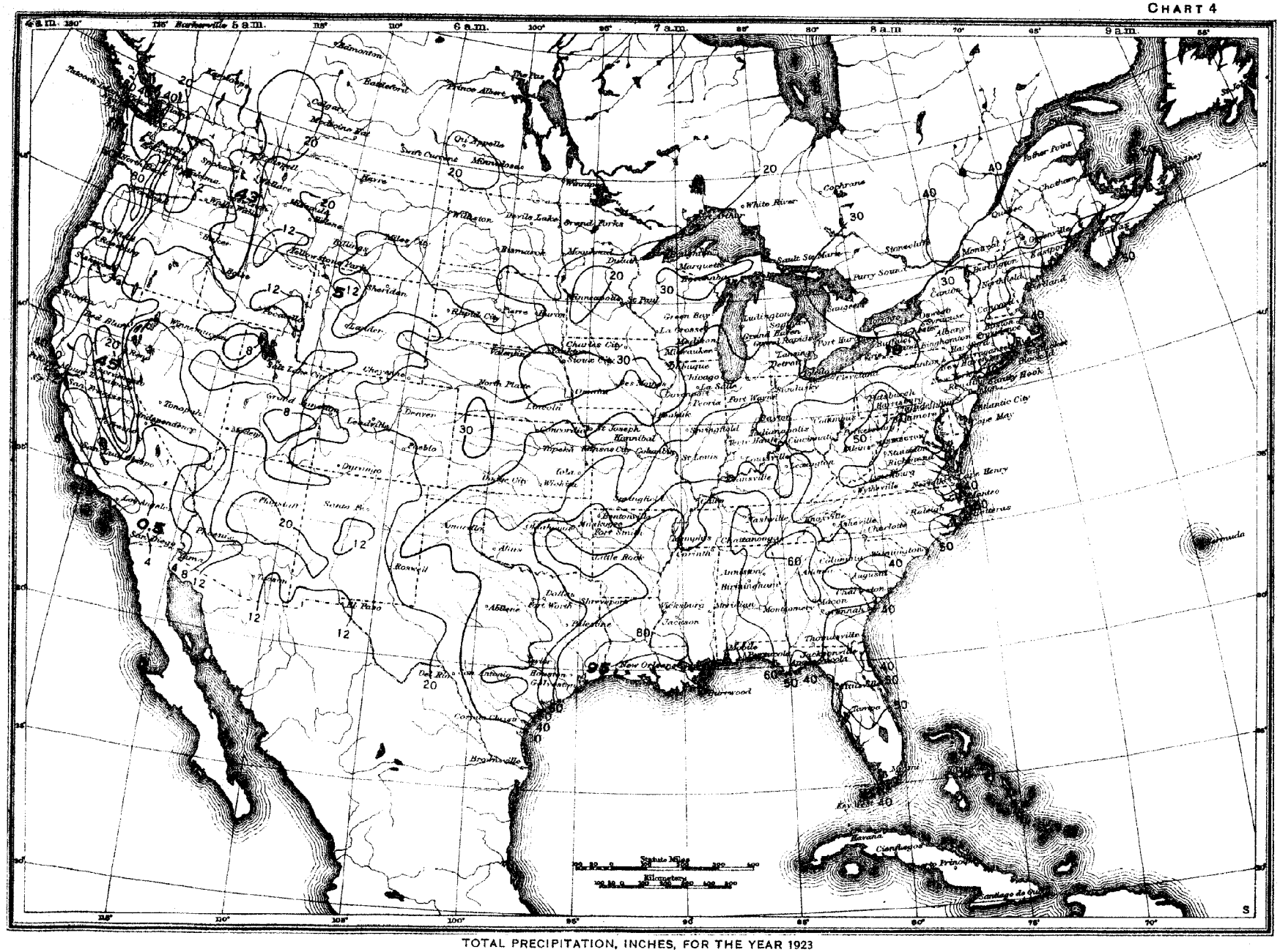
CHART 3



DEPARTURE FROM NORMAL PRECIPITATION FOR THE CROP SEASON OF 1923, MARCH 1 TO SEPTEMBER 30

Shaded portions show excess (+) and unshaded portions deficiency (—) in rainfall
Figures show, in inches, amount of excess or deficiency of rainfall over areas bounded by light lines

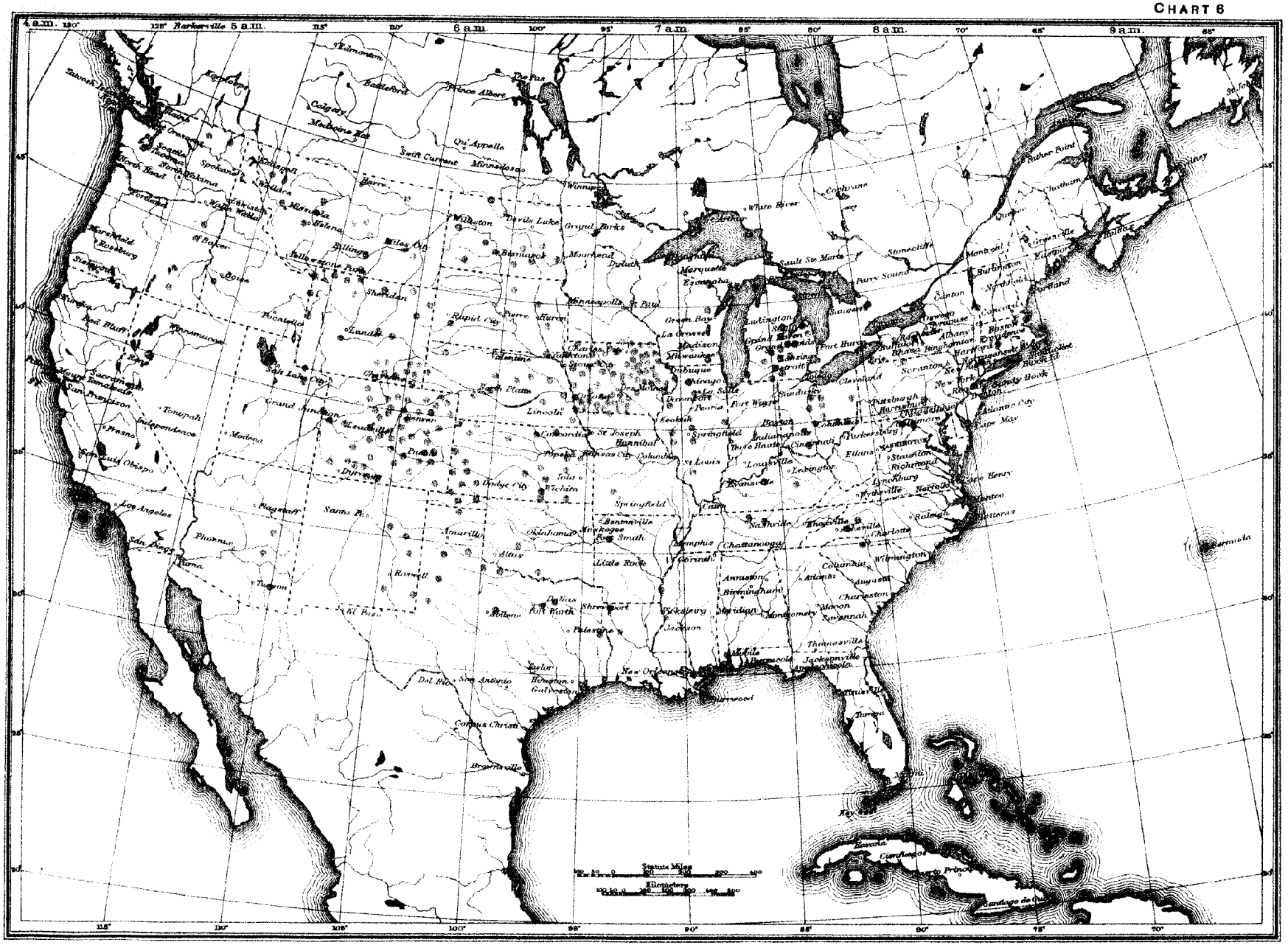
CHART 4



TOTAL PRECIPITATION, INCHES, FOR THE YEAR 1923

OCCURRENCE OF TORNADOES DURING THE YEAR 1923

The arrows show the location of tornado paths, and point in the direction of storm motion



OCCURRENCE OF MODERATELY HEAVY HAIL, DOING SLIGHT DAMAGE ONLY, FOR THE WARM SEASON OF 1923, APRIL 1 TO SEPTEMBER 30

The dots show the localities where moderately heavy hail fell, as reported by observers of the Weather Bureau and others

CHART 7

OCCURRENCE OF HEAVY HAIL, DOING MATERIAL DAMAGE TO CROPS AND OTHER PROPERTY, FOR THE WARM SEASON OF 1923, APRIL 1 TO SEPTEMBER 30

The dots and lines show the localities where heavy hail fell, as reported by observers of the Weather Bureau and others

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 elevations."

Changes in the elevations of other instruments during 1923 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, 1923);

T = continuous records of temperature (on December 31, 1923);

W = continuous records of wind (direction and velocity) (on December 31, 1923);

V = continuous records of wind (velocity only) (on December 31, 1923);

R = continuous records of rainfall (on December 31, 1923);

S = continuous records of sunshine (on December 31, 1923).

Summary of stations in operation during the year

Taking two observations daily (all elements)	173
Taking one observation daily (all elements)	32
Taking two observations daily (temperature, rain, wind, and weather)	39
Taking one observation daily (temperature, rain, wind, and weather)	27
Taking one observation daily (special meteorological and cotton)	1
Taking one observation daily (special meteorological and river)	2
Taking one observation daily (special meteorological and storm warning)	4
Taking one observation daily (cotton)	82
Taking one observation daily (cotton and cattle)	11
Taking one observation daily (sugar and rice)	5
Taking one observation daily (cotton and river)	30
Taking one observation daily (cotton and rainfall)	37
Taking one observation daily (river)	501
Taking one observation daily (rainfall)	309
Taking one observation daily (sugar and rice and river)	3
Taking one observation daily (corn and wheat)	131
Taking one observation daily (corn and wheat and river)	11
Taking one observation daily (corn and wheat and rainfall)	38
Taking one observation daily (corn and wheat and fruit)	1
Taking one observation daily (cranberry)	10
Taking one observation daily (fruit)	24
Taking one observation daily (fruit and river)	1
Taking one observation daily (fruit and cotton)	1
Taking one observation daily (cattle)	36
Taking one observation daily (cattle and rainfall)	11
Taking one observation daily (tobacco)	6
Taking one observation daily (alfalfa and cattle)	1
Snowfall	117
Snowfall and evaporation	2
Vessel	189
Storm warning	149
Total paid stations	1, 984
Cooperative stations (about)	[1] 4, 500
Grand total	6, 484

[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, 1923: Barometer above sea	Elevation Dec. 31, 1923: Thermometer above ground	Elevation Dec. 31, 1923: Rain gage above ground	Elevation Dec. 31, 1923: Anemometer above ground	Observations began	Dates of changes in elevation during 1923
	° ′	° ′	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	
Apalachicola, P T W R S	29 45	84 58	40 S.	36	42	32	49	July 21, 1913	
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	172	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[1]	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	84	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, P T W R S	26 00	97 26	1 30 S.	57	53	45	61	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.	358	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	8	3	54	Dec. 15, 1873	
Cape May, T W	38 56	74 51	01 F.	17	13	3	49	July 16, 1897	
Charles City, P T W R S	43 04	92 38	1 11 S.	1,015	10	4	49	Nov. 1, 1904	
Charleston, P T W R S	32 47	79 56	20 S.	48	11	76	92	Jan. 5, 1871	
Charlotte, P T W R S	35 13	80 51	23 S.	779	55	47	62	Oct. 6, 1878	
Chattanooga, P T W R S	35 04	85 14	41 S.	762	189	167	213	Sept. 12, 1875	
Cheyenne, P T W R S	41 08	104 48	1 59 S.	6,088	84	75	101	Nov. 1, 1870	
Chicago, P T W R S	41 53	87 37	50 S.	823	140	133	310	do	
Chicago University, P T W R S	41 47	87 35	50 S.	673	7	3	131	Jan. 1, 1916	
Cincinnati, P T W R S	39 06	84 30	38 S.	628	11	3	51	Nov. 1, 1870	
Cleveland, P T W R S	41 30	81 42	27 S.	762	190	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	179	171	222	July 1, 1878	
Concord, P T W R S	43 12	71 32	14 F.	288	70	62	79	Nov. 1, 1902	
Concordia, P T W R S	39 35	97 41	1 31 S.	1,392	50	42	58	May 1, 1885	
Corpus Christi, P T W R S	27 49	97 25	1 30 S.	20	11	63	73	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	181 137	176 132	216 173	July 10, 1911 ------	July 3, 1923
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.	5,292	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.	1,478	11	4	44	Dec. 1, 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	
Due West, P T W R S	34 21	82 22	29 S.	711	10	4	55	Oct. 12, 1920	
Duluth, P T W R S	46 47	92 06	1 08 S.	1,133	11 5	3 ------	47 ------	Nov. 1, 1870 ------	Oct. 20, 1923
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	59	52	67	Jan. 1, 1899	
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	

[1] Summary for this station does not appear in Part III.

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, 1923: Barometer above sea	Thermometer above ground	Rain gage above ground	Anemometer above ground	Observations began	Dates of changes in elevation during 1923
	° ′	° ′	h. m.	Feet	Feet	Feet	Feet		
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 S [1]	35 12	111 37	2 26 S.	6,907	10	3	59	Sept. 9, 1898	
Fort Smith, P T W R S	35 22	94 24	1 18 S.	457	79	72	94	Apr. 13, 1879	
Fort Wayne, P T W R S	41 05	85 10	41 S.	856	113	107	124	June 1, 1911	
Fort Worth, P T W R S	32 43	97 15	1 29 S.	670	106	51	114	Sept. 1, 1898	
Fresno, P T W R S	36 43	119 49	2 59 S.	327	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	89	May 24, 1871	
Grand Junction, P T W R S	39 04	108 34	2 14 S.	4,602	60	52	68	Jan. 1, 1899	
Grand Rapids, P T W R S	42 58	85 40	43 S.	707	70	70	87	July 1, 1903	
Green Bay, P T W R S	44 31	88 00	52 S.	617	109	101	144	Sept. 1, 1886	
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	90	104	July 1, 1888	
Hartford, P T W R S	41 46	72 40	09 F.	159	122	116	140	Oct. 7, 1904	
Hatteras, P T W R S	35 15	75 40	03 S.	11	11	4	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	86	69 68	100 ----	Sept. 1, 1904	May 1, 1923
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	9 5	4 ----	41 25	Dec. 1, 1894	June 30, 1923
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 [1]	42 27	76 29	06 S.	836	5	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	4	54	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	
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 16	1 08 S.	357	136	129	144	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 [1]	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 T V R S	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	50	43	58	Jan. 31, 1881	
Nantucket, P T W R S	41 17	70 06	20 F.	12	14	4	90	Oct. 18, 1886	

[1] Summary for this station does not appear in Part III.

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, 1923: Barometer above sea	Elevation Dec. 31, 1923: Thermometer above ground	Elevation Dec. 31, 1923: Rain gage above ground	Elevation Dec. 31, 1923: Anemometer above ground	Observations began	Dates of changes in elevation during 1923
	° ′	° ′	h. m.	Feet	Feet	Feet	Feet		
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	74	68	153	Dec. 10, 1872	
New Orleans, P T W R S	29 57	90 04	1 00 S.	53	76	71	84	Nov. 1, 1870	
New York, P T W R S	40 43	74 00	04 F.	314	414	407	454	do	
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 City, 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.	637	77	68	82	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.	114	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, P W R	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	3	53	Mar. 1, 1916	
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.	3,259	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	69	62	77	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	236	228	261	do	
Salt Lake City, P T W R S	40 46	111 54	2 28 S.	4,360	163	156	203	Mar. 19, 1874	
San Antonio, P T W R S	29 27	98 28	1 34 S.	693	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 70	Aug. 2, 1877 ----------	Jan. 1, 1923
Sandy Hook, P T W R S	40 28	74 01	04 F.	22	10	3	55	Nov. 1, 1914	
San Francisco, P T W R S	37 48	122 26	3 10 S.	155	208	202	243	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	
Sante Fe, P T W R S	35 41	105 57	2 04 S.	7,013	38	31	53	Nov. 20, 1871	
Sault Ste. Marie, P T W R S	46 30	84 21	37 S.	614	11	3	52	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	

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, 1923: Barometer above sea	Elevation Dec. 31, 1923: Thermometer above ground	Elevation Dec. 31, 1923: Rain gage above ground	Elevation Dec. 31, 1923: Anemometer above ground	Observations began	Dates of changes in elevation during 1923
	° ′	° ′	h. m.	Feet	Feet	Feet	Feet		
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.	194	113 172	104 165	120 201	May 1, 1897 ----------	May 15, 1923
Tampa, **P T W R S**	27 57	82 27	30 S.	35	79	71	87	Mar. 13, 1890	
Tatoosh Island, **P T W R S**	48 23	124 44	3 19 S.	86	9	4	57 53	Nov. 22, 1902 ----------	Apr. 21, 1923
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	92	83	107	June 1, 1887	
Trenton, **P T W R S**	40 14	74 45	01 F.	190	159	152	183	Apr. 1, 1913	
Valentine, **P T W R S**	42 50	100 32	1 42 S.	2,598	47	36	54	Sept. 1, 1885	
Vicksburg, **P T W R S**	32 22	90 53	1 04 S.	247	65	58	73	Sept. 10, 1871	
Walla Walla, **P T W R S**	46 02	118 20	2 53 S.	991	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	3	-----	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	6	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, **P T W R S**	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	
ALASKAN STATIONS									
Anchorage [1]	61 13	149 52	4 59 S.	135	5	3	73	Mar. 1, 1923	
Bethel [1]	61 43	161 47	5 47 S.	38	6	4	-----	Aug. 22, 1923	
Cordova [1]	60 32	145 42	4 43 S.	43	4	3	45	Mar. 14, 1923	
Dutch Harbor	53 55	166 30	6 6 S.	50	4	3	-----	Aug. 24, 1911	
Eagle	64 46	141 12	4 25 S.	821	4	3	-----	Aug. 20, 1899	
Fairbanks [1]	64 51	147 52	4 51 S.	500	-----	-----	-----	Mar. 1, 1923	
Juneau	58 18	134 24	3 58 S.	80	11	4	54	Jan. 5, 1917	
Kodiak	57 46	152 22	5 9 S.	15	4	3	-----	Oct. 3, 1915	
Nome	64 30	165 24	6 2 S.	22	5	6	49	Apr. 1, 1907	
Noorvik [1]	66 50	161 00	5 44 S.	68	-----	4	-----	Oct. 16, 1917	
St. Paul Island [1]	57 15	170 10	6 21 S.	20	4	4	-----	Sept. 12, 1917	
Sitka	57 03	135 19	4 1 S.	63	3	2	-----	Mar. 26, 1881	
Tanana	65 10	152 06	5 8 S.	220	4	3	-----	Sept. 8, 1909	
WEST INDIAN STATIONS									
Barbados [2]									
Bridgetown [1]	13 04	59 37	1 02 F.	30	6	3	30	Aug. 15, 1898	
British Honduras									
Belize [1]	17 30	88 12	53 S.	17	5	3	46	Dec. 1, 1916	

[1] Summary for this station does not appear in Part III.
[2] 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, 1923				Observations began	Dates of changes in elevation during 1923
				Barometer above sea	Thermometer above ground	Rain gage above ground	Anemometer above ground		
	° ′	° ′	h. m.	Feet	Feet	Feet	Feet		
Caribbean Sea [2]									
Swan Islands [1]	17 24	83 17	33 S.	35	5	4	58	June 1, 1914	
Cuba									
Guane [1]								June 15, 1918	
Santa Cruz del Sur [1]	20 48	78 27	14 S.					July 3, 1918	
Dominica [2]									
Roseau [1]	15 17	61 23	54 F.	25				Oct. 20, 1898	
Haiti [2]									
Port au Prince [1]	18 35	72 18	11 F.	124	16			Mar. 15, 1917	
Honduras [2]									
Tela [1]	15 45	87 28	50 S.	13	6		139	Dec. 1, 1922	
Isle of Pines									
Nueva Gerona [1]	21 54	82 36	30 S.					Sept. 27, 1918	
Jamaica [2]									
Kingston [1]	17 58	76 48	07 S.	24	48	51	63	Aug. 16, 1898	
Nicaragua [2]									
Bluefields, V [1]	12 00	83 45	35 S.	17	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	
St. Kitts [2]									
Basseterre [1]	17 18	62 43	49 F.	30				Aug. 25, 1898	
St. Lucia [2]									
Castries, V [1]	13 50	60 55	56 F.	319	6	3	28	Aug. 16, 1917	
Santo Domingo [2]									
Puerto Plata, V [1]	19 49	70 43	17 F.	27	6	3	30	Sept. 16, 1917	
Santo Domingo [1]	18 28	69 53	20 F.	57	6	3	60	Nov. 1, 1898	
Trinidad [2]									
Port of Spain [1]	10 35	61 30	54 F.	40				Aug. 7, 1898	
Turks Island [2]									
Grand Turk, P V [1]	21 21	71 07	16 F.	11	6	2	20	July 1, 1900	
Virgin Islands									
St. Thomas, V [1]	18 13	64 29	42 F.	27	17	18	21	July 1, 1917	

[1] Summary for this station does not appear in Part III.
[2] Reports received during the hurricane season, June 1 to Nov. 15.

TABLE II.—*Changes in Weather Bureau stations during 1923*

ESTABLISHED

Station	Date established
CATTLE AND SNOWFALL	
Holbrook, Ariz	Aug. 1
CORN AND WHEAT	
Cedar Rapids, Iowa	Apr. 1
Newkirk, Okla	Oct. 1
CORN, WHEAT, AND RAINFALL	
Albia, Iowa	July 1
Bloomington, Ind	May 1
Creston, Iowa	July 1
Lamoni, Iowa	Do.
Sedan, Kans	Mar. 1
COTTON AND RAINFALL	
Chandler, Okla	Mar. 1
McAlester, Okla	Do.
FRUIT	
Blalock Orchards, Wash	Mar. 15
Kennewick, Wash	Do.
RAINFALL	
Albany, Mo	May 1
Annapolis, Mo	July 1
Ash Grove, Mo	Oct. 16
Augusta, Kans	Aug. 1
Bartlesville, Okla	July 1
Bloomington, Ind	Jan. 10
Bridge, Oreg	Oct. 1
Bunker, Mo	Oct. 16
Cascadia, Oreg	Nov. 16
Cheney, Kans	Aug. 1
De Soto, Mo	May 1
Dexter, Mo	Oct. 16
Ellington, Mo	Do.
Eufaula, Okla	Mar. 1
Evening Shade, Ark	July 16
Falls City, Oreg	Oct. 1
Grande Ronde, Oreg	Do.
Lewis, Wash	Apr. 16
Lucerne, Mo	Oct. 16
McKenzie, Oreg	Oct. 1
Milan, Mo	May 1
Mineral Point, Mo	Do.
Noti, Oreg	Oct. 1
Oak Ridge, Oreg	Do.
Owensville, Mo	Oct. 16
Rujada, Oreg	Oct. 1
St. Helen, Wash	Apr. 16
Shelbyville, Ind	Jan. 10
Stover, Mo	Oct. 16
Summit, Oreg	Oct. 1
Toronto, Kans	Dec. 1
Watts, Okla	Mar. 1
Waynesville, N. C	Nov. 1
RIVER	
Arkansas City, Kans	Aug. 1
Carrollton, La	Jan. 1
Carrollton, Tex	Nov. 1
Cedar Rapids, Iowa	Apr. 1
Dam No. 1 (P. O. Judsonia, Ark.)	Feb. 1
RIVER—continued	
Eula, Oreg	Oct. 1
Gnadenhutten, Ohio	June 1
Hellers Grove, Kans	Sept. 1
Kelso, Wash	Apr. 16
Knoxville, Tenn	Oct. 22
Leeper, Mo	Feb. 1
Little River, Tex	Nov. 1
Mars Bluff, S. C	Oct. 1
Mehama, Oreg	Do.
Mentor, Kans	Nov. 1
Pensacola, Okla	Nov. 16
Sacramento, Calif	Sept. 1
Saginaw, Oreg	Oct. 1
San Benito, Tex	Aug. 1
Seymour, Ind	Apr. 17
Sunbury, Pa	Jan. 1
Three Links, Oreg	Oct. 1
Union City, Okla. (Minco, Okla.)	Feb. 1
Waterloo, Oreg	Oct. 1
Webbers Falls, Okla	May 16
Williamsville, Mo	Nov. 1
SNOWFALL	
Central Camp, Calif	Dec. 1
Cliff Camp, Calif. (North Fork of Kings River)	Aug. 1
Connecticut Lakes, N. H	Oct. 1
Helm Creek, Calif. (Hobblers Camp)	Aug. 1
Lee Ranch, N. Mex	Oct. 1
Rughs Ranch, Colo. (Frys Ranch)	Aug. 1
SPECIAL METEOROLOGICAL	
Anchorage, Alaska	Mar. 1
Bethel, Alaska	Aug. 22
Cordova, Alaska	Mar. 14
Fairbanks, Alaska	Mar. 1
McKinley Park, Alaska	Do.
STORM WARNING	
Brownsville, Tex	Dec. 10
Fort Screven, Ga. (Tybee Island, Ga.)	Aug. 10
Grand Marias, Minn	May 1
Syracuse, N. Y	July 25
SUGAR AND RICE	
Abbeville, La	Apr. 1
VESSEL	
Arakan (Dutch)	June 4
Arcadia (Panama)	Aug. 29
Astral (American)	Oct. 30
Bondowoso (Dutch)	Mar. 1
Boren (Swedish)	Feb. 20
Broad Arrow (American)	May 20
Carriso (American)	Nov. 26
China Arrow (American)	Oct. 30
City of Vancouver (Canadian)	Dec. 1
Enterprise (American)	Apr. 14
Esther Dollar (British)	Aug. 8
Hauraki (British)	Sept. 25
Hyades (American)	Feb. 1
Ida (Panama)	Oct. 26
India Arrow (American)	Oct. 30
Java Arrow (American)	Do.

TABLE II.—*Changes in Weather Bureau stations during 1923*—Continued

ESTABLISHED—Continued

Station	Date established
VESSEL—continued	
Kangean (Dutch)	Aug. 16
Lebec (American)	Sept. 1
Levant Arrow (American)	May 29
Liebre (American)	Sept. 26
Makaweli (American)	Jan. 1
Makena (American)	Feb. 1
Maravi (British)	June 1
Mauna Ala (American)	Aug. 13
Maunganui (British)	Oct. 1
Mojave (American)	Sept. 26
San Bruno (British)	June 9
San Gil (British)	Aug. 18
San Pablo (British)	June 28
Simaloer (Dutch)	May 3
VESSEL—continued	
Sonoma (American)	Apr. 24
Standard Arrow (American)	Sept. 12
Stanley Dollar (American)	Aug. 1
Sylvan Arrow (American)	June 3
Tahchee (British)	Aug. 8
Tahiti (British)	July 20
Tamaha (British)	Oct. 27
Tascalusa (British)	July 1
Tejon (American)	Nov. 25
Tjileboet (Dutch)	Apr. 1
Tjisalak (Dutch)	Do.
Ventura (American)	Mar. 27
Waiotapu (Canadian)	June 21
Yorba Linda (American)	Sept. 26

DISCONTINUED

Station	Date discontinued
CATTLE	
Lubbock, Tex	Mar. 31
San Angelo, Tex	Do.
CATTLE AND SNOWFALL	
Pinto, Ariz	July 1
CORN AND WHEAT	
Albia, Iowa	June 30
Bloomington, Ind	Apr. 30
Creston, Iowa	June 30
Lamoni, Iowa	Do.
Sedan, Kans	Feb. 28
CORN, WHEAT, AND RAINFALL	
Newkirk, Okla	Sept. 30
COTTON	
Chandler, Okla	Feb. 28
McAlester, Okla	Do.
Marianna, Fla	Dec. 31
CRANBERRY	
Phillips, Wis	Apr. 30
FRUIT	
Reedleys, Calif	Sept. 30
RAINFALL	
Bloomington, Ind	Apr. 30
Centerville, Mo	Feb. 28
Darlington, Mo	Do.
Fruit City, Mo	Oct. 15
Goodland, Mo	Feb. 28
Marion, Kans	Nov. 30
Sedalia, Mo	Oct. 15
REGULAR	
Tonopah, Nev	Dec. 31
REPAIR	
Twin, Wash	June 30
RIVER	
Clarion, Pa	June 30
Huron, S. Dak	July 10
Lindsborg, Kans	Oct. 31
Norris Point, Ohio	Apr. 30
South Fork, Oreg	June 30
Tamaha, Okla	May 15
Yonkers, Okla	July 15
RIVER, CORN, AND WHEAT	
Cedar Rapids, Iowa	Mar. 31
SNOWFALL	
Cundiyo, N. Mex	Sept. 30
Greenmont, S. Dak	Jan. 31
Haugan, Mont	Feb. 28
Ibex Mine, Oreg	July 31
SPECIAL METEOROLOGICAL	
Akiak, Alaska	Aug. 21
Navassa Island, West Indies	Jan. 12
Valdez, Alaska	Mar. 16
STORM WARNING	
Glen Haven, Mich	May 15
VESSEL	
China (American)	Apr. 5
Empress of Japan (British)	Oct. 10
Enterprise (American)	Oct. 11
Hyades (American)	Aug. 13
Nanking (American)	Apr. 15
Nile (British)	Jan. 31

SUNSHINE, 1923

The following table gives for 165 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 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, 1928

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	96	33	175	59	199	54	243	60	316	70	344	75
Alpena, Mich	30	11	93	32	146	40	203	50	259	56	233	50
Amarillo, Tex	262	84	203	66	282	76	300	76	376	87	372	86
Anniston, Ala	168	53	160	52	206	56	234	60	201	46	289	67
Asheville, N. C	147	47	151	50	204	55	235	60	214	49	270	62
Atlanta, Ga	172	54	156	51	197	53	239	61	226	52	316	73
Atlantic City, N. J	121	40	132	44	221	59	268	67	310	70	345	77
Augusta, Ga	243	77	190	61	235	63	260	67	217	50	271	63
Baker, Oreg	95	33	154	53	213	58	208	51	162	35	163	35
Baltimore, Md	122	40	142	47	242	65	268	67	332	75	347	78
Binghamton, N. Y	79	27	140	47	183	49	211	53	303	67	290	64
Birmingham, Ala	196	62	166	54	203	55	223	57	211	49	324	75
Bismarck, N. Dak	116	41	183	63	200	54	242	59	296	63	318	67
Block Island, R. I	110	37	132	44	202	54	223	56	310	69	263	58
Boise, Idaho	63	22	211	72	250	68	289	72	329	72	359	78
Boston, Mass	116	39	160	54	193	52	241	60	291	64	281	62
Broken Arrow, Okla	186	60	180	59	233	63	249	63	291	67	334	76
Brownsville, Tex	229	69	110	35	208	56	216	56	333	80	317	77
Buffalo, N. Y	38	13	77	26	137	37	204	51	323	71	325	71
Burlington, Vt	90	31	103	35	163	44	213	53	312	68	302	65
Canton, N. Y	102	36	145	50	174	47	192	47	287	62	323	69
Charles City, Iowa	98	33	159	54	211	57	270	67	290	64	329	72
Charleston, S. C	235	74	197	64	256	69	271	69	278	65	314	73
Charlotte, N. C	173	55	169	55	219	59	236	60	252	58	296	68
Chattanooga, Tenn	148	47	169	55	206	55	251	64	174	40	269	62
Cheyenne, Wyo	240	80	195	65	248	67	269	67	256	57	300	66
Chicago, Ill	129	44	140	47	204	55	244	61	310	69	333	73
Chicago University, Ill	121	41	149	50	219	59	264	66	314	69	354	78
Cincinnati, Ohio	98	32	117	39	216	58	243	61	256	58	311	70
Cleveland, Ohio	51	17	82	28	177	48	246	61	335	74	351	77
Columbia, Mo	147	49	160	53	230	62	237	60	243	55	283	63
Columbus, Ohio	97	32	116	39	238	64	274	69	332	74	327	73
Concordia, Kans	180	60	212	71	259	70	277	69	286	64	312	70
Dallas, Tex	197	62	135	44	262	70	274	70	348	81	377	88
Dayton, Ohio	83	27	114	38	217	58	251	63	292	66	336	75
Del Rio, Tex	196	60	77	25	203	55	177	46	283	67	230	55
Denver, Colo	212	71	188	63	232	63	238	60	250	56	307	68
Des Moines, Iowa	119	40	197	66	239	64	279	69	286	63	262	58
Detroit, Mich	91	31	140	47	201	54	264	66	357	79	338	74
Devils Lake, N. Dak	134	49	190	66	230	62	279	68	349	74	364	76
Dodge City, Kans	246	80	239	79	294	79	291	73	313	71	340	77
Drexel, Nebr	133	45	202	68	228	62	224	56	244	54	226	51
Dubuque, Iowa	106	36	154	52	188	51	221	55	286	63	308	68
Due West, S. C	188	59	152	50	200	54	223	57	180	42	268	62
Eastport, Me	128	45	174	60	176	48	193	48	233	50	245	53
Elkins, W. Va	80	26	88	29	196	53	242	61	274	62	250	56
Ellendale, N. Dak	159	56	196	67	261	71	259	64	336	73	325	69
El Paso, Tex	226	71	207	67	282	76	336	86	391	91	393	92
Erie, Pa	17	6	158	53	228	62	249	62	346	77	352	77
Escanaba, Mich	90	32	173	60	218	59	275	67	333	72	298	63
Eureka, Calif	94	32	162	54	252	68	191	48	246	55	216	48
Evansville, Ind	98	32	139	46	226	61	246	62	239	54	291	66
Fort Smith, Ark	155	49	126	41	200	54	230	59	235	54	274	63
Fort Wayne, Ind	69	23	77	26	192	52	248	62	313	70	323	72
Fresno, Calif	104	34	236	78	309	83	285	72	402	92	401	91

Sunshine, 1923—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	336	72	299	69	201	54	198	58	129	44	126	45	2,661	58
Alpena, Mich	234	50	175	40	136	36	154	46	90	31	49	18	1,803	38
Amarillo, Tex	381	86	346	83	306	82	148	42	226	73	165	54	3,367	75
Anniston, Ala	272	62	189	46	300	81	250	71	200	64	93	30	2,562	57
Asheville, N. C	273	61	272	65	240	65	224	64	188	61	143	47	2,561	57
Atlanta, Ga	308	70	266	64	280	75	228	65	187	60	71	23	2,645	58
Atlantic City, N. J	268	59	268	63	232	62	210	61	152	50	152	52	2,677	59
Augusta, Ga	251	57	238	58	284	76	271	77	204	65	138	45	2,801	63
Baker, Oreg	306	65	298	69	254	67	168	49	144	50	93	34	2,258	50
Baltimore, Md	277	61	263	62	231	62	244	71	160	53	152	52	2,780	61
Binghamton, N. Y	272	59	250	58	168	45	145	42	84	28	45	16	2,171	46
Birmingham, Ala	301	69	264	64	286	77	238	68	169	54	67	22	2,647	59
Bismarck, N. Dak	320	67	247	56	224	60	206	61	183	65	182	68	2,717	60
Block Island, R. I	279	61	277	65	229	61	200	58	129	43	117	41	2,470	54
Boise, Idaho	413	88	379	87	306	82	190	56	156	54	137	49	3,081	67
Boston, Mass	255	55	286	67	226	59	200	58	145	49	118	42	2,512	55
Broken Arrow, Okla	391	88	352	84	244	65	177	51	205	66	168	56	3,009	66
Brownsville, Tex	343	81	332	82	247	67	187	52	94	29	61	19	2,678	59
Buffalo, N. Y	330	71	316	73	219	58	183	53	92	31	90	32	2,334	49
Burlington, Vt	294	63	282	65	214	57	166	49	75	26	49	18	2,264	48
Canton, N. Y	303	64	274	63	180	48	160	47	81	28	54	20	2,275	48
Charles City, Iowa	361	78	254	59	194	52	214	63	169	58	144	51	2,693	59
Charleston, S. C	254	58	244	59	237	64	211	60	184	59	130	42	2,811	63
Charlotte, N. C	288	65	265	64	244	66	267	76	181	58	139	46	2,729	61
Chattanooga, Tenn	240	54	271	65	244	66	236	68	171	55	70	23	2,450	54
Cheyenne, Wyo	293	64	255	60	225	60	167	48	229	77	204	71	2,880	65
Chicago, Ill	346	75	274	64	224	60	211	61	142	48	135	47	2,692	59
Chicago University, Ill	351	76	279	65	228	61	218	63	134	45	120	42	2,749	60
Cincinnati, Ohio	324	72	257	61	243	65	222	64	141	47	106	36	2,535	55
Cleveland, Ohio	332	72	298	70	202	54	204	60	106	36	79	28	2,462	52
Columbia, Mo	337	74	278	66	214	57	202	58	186	62	141	48	2,658	59
Columbus, Ohio	344	76	277	65	253	68	232	67	143	48	98	34	2,732	59
Concordia, Kans	368	81	323	76	240	64	189	55	216	72	164	56	3,024	67
Dallas, Tex	382	87	360	87	285	77	209	59	184	59	146	47	3,160	69
Dayton, Ohio	366	80	320	75	258	69	236	68	139	46	99	34	2,711	58
Del Rio, Tex	277	65	300	73	138	37	148	42	109	34	95	30	2,232	49
Denver, Colo	315	69	264	62	244	65	142	41	243	81	199	69	2,835	64
Des Moines, Iowa	348	75	239	56	196	52	218	64	185	63	164	58	2,730	61
Detroit, Mich	338	73	306	71	216	58	219	64	116	39	87	30	2,673	57
Devils Lake, N. Dak	376	78	274	62	194	51	192	57	147	53	129	49	2,858	62
Dodge City, Kans	394	87	358	85	280	75	141	41	218	72	176	59	3,290	73
Drexel, Nebr	294	64	245	57	192	51	178	52	188	63	161	56	2,517	57
Dubuque, Iowa	300	65	227	53	183	49	181	53	131	44	112	39	2,397	52
Due West, S. C	261	59	231	56	253	68	221	63	186	60	88	29	2,452	55
Eastport, Me	245	52	235	54	188	50	159	47	102	36	84	31	2,163	48
Elkins, W. Va	254	56	241	57	228	61	209	60	134	45	125	43	2,323	51
Ellendale, N. Dak	358	75	328	74	278	74	230	68	158	56	185	69	3,069	68
El Paso, Tex	358	83	330	80	326	88	285	81	196	62	131	42	3,463	77
Erie, Pa	293	63	248	58	165	44	109	32	101	34	53	19	2,318	49
Escanaba, Mich	293	62	282	64	215	57	189	56	117	41	105	39	2,588	56
Eureka, Calif	256	56	244	57	213	57	216	63	187	63	135	47	2,412	54
Evansville, Ind	344	77	310	73	235	63	238	68	169	56	112	38	2,645	58
Fort Smith, Ark	332	75	320	77	227	61	163	47	177	57	149	49	2,589	57
Fort Wayne, Ind	321	70	279	65	187	50	192	56	117	39	77	27	2,396	51
Fresno, Calif	440	98	398	95	334	90	296	85	258	84	197	66	3,661	81

Sunshine, 1923—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
Galveston, Tex	201	62	95	30	193	52	196	51	328	78	293	70
Grand Haven, Mich	42	14	74	25	175	47	263	65	359	79	352	77
Grand Junction, Colo	196	65	216	72	270	73	260	65	334	75	384	86
Grand Rapids, Mich	57	19	96	32	192	52	259	64	324	71	322	70
Green Bay, Wis	82	29	154	53	208	56	248	61	314	68	317	68
Greenville, S. C	166	53	155	51	222	60	234	60	238	55	305	70
Groesbeck, Tex	187	59	100	32	198	53	222	57	307	72	318	75
Harrisburg, Pa	99	33	142	47	214	58	257	64	341	76	312	69
Hartford, Conn	99	33	137	46	199	54	222	55	316	70	285	63
Havre, Mont	120	44	141	49	197	53	204	50	285	60	273	56
Helena, Mont	103	37	90	31	200	54	218	53	276	59	268	56
Honolulu, Hawaii	122	36	176	55	170	46	221	58	261	64	249	62
Houston, Tex	196	61	116	37	178	48	208	54	332	78	304	72
Huron, S. Dak	135	47	185	63	216	58	242	60	275	60	284	61
Independence, Calif	225	73	259	85	340	91	292	74	411	94	384	87
Indianapolis, Ind	100	33	121	40	203	55	240	60	267	60	311	69
Jacksonville, Fla	226	70	195	62	244	66	241	62	206	49	143	34
Juneau, Alaska	56	25	76	29	115	31	134	31	227	44	238	44
Kalispell, Mont	82	30	127	44	214	58	272	66	283	60	267	56
Kansas City, Mo	189	62	201	67	244	66	271	68	312	70	345	77
Key West, Fla	286	86	257	81	322	87	345	90	332	80	297	72
Knoxville, Tenn	171	55	174	57	240	65	281	71	240	55	310	71
La Crosse, Wis	86	30	159	54	214	58	232	57	323	70	297	64
Lander, Wyo	180	62	208	70	252	68	262	65	327	72	358	78
Lansing, Mich	79	27	129	44	216	58	280	70	361	79	334	73
Lexington, Ky	92	30	121	40	208	56	238	60	231	52	240	54
Little Rock, Ark	173	55	146	48	242	65	300	77	252	58	323	74
Los Angeles, Calif	194	61	218	71	307	83	230	59	311	72	305	71
Louisville, Ky	102	33	128	42	215	58	238	60	204	46	322	73
Ludington, Mich	77	27	106	36	176	48	271	67	371	81	365	79
Lynchburg, Va	92	30	157	52	224	60	259	66	292	66	335	76
Macon, Ga	247	78	207	67	248	67	271	69	255	59	320	75
Madison, Wis	76	26	128	43	199	54	217	54	320	70	330	72
Marquette, Mich	64	23	127	44	174	47	251	61	305	65	261	55
Memphis, Tenn	156	50	142	46	227	61	262	67	247	57	314	72
Meridian, Miss	196	61	185	60	201	54	220	57	250	58	324	76
Miami, Fla	252	76	229	72	299	80	306	80	282	68	279	68
Milwaukee, Wis	86	29	169	57	247	67	324	80	349	77	339	74
Minneapolis, Minn	105	37	174	60	200	54	238	59	274	59	290	62
Mobile, Ala	233	72	180	58	202	54	266	69	270	63	266	63
Modena, Utah	210	69	244	81	262	71	251	63	337	76	350	79
New Haven, Conn	140	47	188	63	240	65	285	71	324	72	307	68
New Orleans, La	208	64	164	53	189	51	236	61	290	69	238	56
New York, N. Y	125	42	184	62	243	65	260	65	354	79	332	74
Norfolk, Va	160	52	152	50	231	62	267	68	321	73	357	81
Northfield, Vt	101	35	135	46	163	44	175	43	284	62	267	58
North Head, Wash	64	23	118	41	146	39	137	34	134	29	206	44
North Platte, Nebr	244	82	247	83	276	74	273	68	289	64	317	70
Oklahoma City, Okla	184	59	158	52	259	70	239	61	279	64	311	72
Omaha, Nebr	140	47	180	60	229	62	240	60	294	65	298	65
Parkersburg, W. Va	73	24	101	34	203	55	234	59	261	59	289	65
Pensacola, Fla	227	70	187	60	218	59	263	68	290	69	270	64
Peoria, Ill	130	44	149	50	211	57	209	52	263	59	308	68
Philadelphia, Pa	101	34	135	45	233	63	275	69	346	77	343	76
Phoenix, Ariz	260	82	243	79	313	84	327	84	409	95	421	98

Sunshine, 1923—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
Galveston, Tex	245	57	279	68	226	61	226	64	142	44	82	26	2,505	55
Grand Haven, Mich	329	71	286	66	207	55	191	56	108	37	68	24	2,454	51
Grand Junction, Colo	350	77	297	70	267	72	248	72	218	72	182	62	3,222	72
Grand Rapids, Mich	337	72	253	59	152	41	163	48	120	41	74	26	2,349	50
Green Bay, Wis	306	65	255	59	193	51	206	61	112	39	128	47	2,526	55
Greenville, S. C	303	69	249	60	263	71	227	65	197	63	137	45	2,695	60
Groesbeck, Tex	307	71	320	77	255	69	172	49	158	50	72	23	2,615	57
Harrisburg, Pa	271	60	265	62	215	57	230	67	154	52	124	43	2,623	57
Hartford, Conn	269	58	300	70	192	51	204	59	148	50	120	42	2,490	54
Havre, Mont	346	71	337	76	264	70	197	59	143	52	112	44	2,619	57
Helena, Mont	352	73	295	67	259	69	166	49	175	62	126	47	2,527	55
Honolulu, Hawaii	217	53	209	52	215	58	227	63	206	61	127	38	2,399	54
Houston, Tex	283	66	296	72	219	59	206	58	144	45	57	18	2,539	56
Huron, S. Dak	323	69	236	55	247	66	227	67	222	77	190	69	2,780	63
Independence, Calif	416	93	372	89	298	80	308	89	270	88	236	79	3,813	85
Indianapolis, Ind	328	72	279	66	207	55	214	62	145	48	92	32	2,505	54
Jacksonville, Fla	227	53	267	65	236	64	214	60	226	71	180	57	2,604	59
Juneau, Alaska	251	46	231	48	110	29	62	20	22	9	22	11	1,544	31
Kalispell, Mont	376	78	331	75	317	84	215	64	76	27	109	42	2,669	57
Kansas City, Mo	386	85	325	77	280	75	215	62	210	70	147	50	3,125	69
Key West, Fla	295	70	273	68	264	72	204	57	215	66	252	77	3,342	76
Knoxville, Tenn	326	73	284	68	273	73	248	71	169	55	143	47	2,859	63
La Crosse, Wis	374	80	263	61	205	55	183	54	154	53	147	53	2,638	57
Lander, Wyo	309	67	297	69	236	63	172	50	178	61	158	56	2,938	65
Lansing, Mich	344	74	281	65	181	48	186	54	125	43	83	29	2,599	55
Lexington, Ky	281	63	194	46	173	46	200	58	125	41	82	28	2,185	48
Little Rock, Ark	319	72	315	76	200	54	203	58	172	55	75	25	2,720	60
Los Angeles, Calif	336	76	279	67	236	63	275	78	276	89	220	71	3,188	72
Louisville, Ky	360	80	317	75	277	74	276	79	160	53	93	31	2,691	59
Ludington, Mich	364	78	301	69	214	57	191	56	117	40	82	30	2,635	56
Lynchburg, Va	322	72	280	67	234	63	242	70	136	45	127	42	2,701	59
Macon, Ga	328	75	303	73	302	81	279	79	218	69	138	44	3,115	70
Madison, Wis	347	75	262	61	177	47	173	51	123	42	105	37	2,457	53
Marquette, Mich	270	56	226	52	164	43	138	41	96	34	72	27	2,148	46
Memphis, Tenn	286	65	249	60	194	52	228	65	180	58	90	29	2,574	57
Meridian, Miss	318	73	267	65	320	86	252	71	173	55	89	28	2,794	62
Miami, Fla	271	64	308	76	235	64	239	67	223	68	256	78	3,178	72
Milwaukee, Wis	321	69	269	62	214	57	213	62	128	44	117	42	2,776	60
Minneapolis, Minn	346	73	271	62	212	56	188	55	164	57	133	48	2,594	57
Mobile, Ala	212	49	208	51	280	76	233	66	179	56	77	25	2,607	58
Modena, Utah	329	73	339	80	270	73	252	73	224	74	193	65	3,260	73
New Haven, Conn	272	59	302	71	198	53	189	55	158	53	160	56	2,763	61
New Orleans, La	197	46	200	49	269	73	214	60	171	54	99	31	2,476	56
New York, N. Y	312	68	335	79	223	60	233	68	156	53	145	51	2,902	64
Norfolk, Va	290	65	264	63	259	69	213	61	152	50	179	60	2,846	63
Northfield, Vt	251	54	248	57	157	42	143	42	98	34	80	29	2,102	46
North Head, Wash	227	48	221	51	156	42	155	46	133	47	49	18	1,747	38
North Platte, Nebr	382	83	342	80	292	78	187	54	224	75	154	53	3,227	72
Oklahoma City, Okla	386	87	360	86	272	73	166	47	182	59	164	54	2,959	65
Omaha, Nebr	378	83	303	71	250	67	230	67	201	68	150	52	2,892	64
Parkersburg, W. Va	298	66	244	58	241	65	250	72	132	44	108	37	2,434	53
Pensacola, Fla	277	64	271	66	305	82	252	71	199	62	132	42	2,890	65
Peoria, Ill	368	80	286	67	167	45	224	65	139	47	142	50	2,598	57
Philadelphia, Pa	269	59	254	60	236	63	226	66	145	48	140	48	2,703	59
Phoenix, Ariz	329	75	330	80	328	88	334	95	240	76	186	60	3,719	83

Sunshine, 1923—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
Pittsburgh, Pa	77	26	102	34	198	54	255	64	317	71	316	70
Pocatello, Idaho	111	38	212	72	223	60	210	52	286	63	308	67
Port Angeles, Wash	58	21	86	30	194	53	192	47	166	35	201	42
Port Arthur, Tex	207	64	107	34	181	49	197	51	325	77	338	80
Port Huron, Mich	52	18	123	42	162	44	211	52	320	70	310	68
Portland, Me	125	43	175	60	206	56	220	54	272	59	250	54
Portland, Oreg	54	19	136	47	232	63	285	70	313	67	255	54
Providence, R. I	145	49	172	58	232	63	280	70	329	73	303	66
Pueblo, Colo	258	84	220	73	262	71	300	76	321	73	358	81
Raleigh, N. C	149	48	151	49	235	63	264	67	276	63	296	68
Rapid City, S. Dak	160	55	189	64	245	66	261	65	278	61	315	68
Reading, Pa	89	30	160	53	204	55	265	66	359	80	308	69
Richmond, Va	125	41	147	49	231	62	273	69	347	79	337	76
Rochester, N. Y	61	21	118	40	185	50	216	54	309	68	325	71
Roswell, N. Mex	232	73	175	57	232	62	253	65	340	79	333	78
Royal Center, Ind	121	41	129	43	210	57	263	66	326	73	331	73
Sacramento, Calif	68	23	220	73	309	83	267	67	395	89	394	88
Saginaw, Mich	56	19	106	36	186	50	250	62	372	82	354	77
St. Joseph, Mo	147	49	193	64	229	62	240	60	284	64	306	68
St. Louis, Mo	150	49	143	48	239	64	274	69	268	60	327	73
St. Paul, Minn	100	35	192	66	212	57	244	60	340	74	358	77
Salt Lake City, Utah	143	48	181	61	256	69	288	72	374	83	378	84
San Antonio, Tex	190	58	84	27	192	51	212	55	341	81	344	82
San Diego, Calif	237	75	228	74	326	88	260	67	332	77	293	68
Sandy Hook, N. J	119	40	142	48	231	62	269	67	353	79	339	75
San Francisco, Calif	160	53	238	79	320	86	291	73	362	82	305	69
San Jose, Calif	174	56	220	73	319	86	291	74	381	87	309	70
San Juan, Porto Rico	219	63	216	67	276	74	262	69	284	71	237	60
San Luis Obispo, Calif	233	74	230	75	322	87	254	65	357	82	337	78
Santa Fe, N. Mex	201	65	214	70	210	57	264	67	348	80	350	80
Sault Ste. Marie, Mich	86	30	121	42	158	43	248	61	348	75	318	67
Savannah, Ga	215	67	184	60	235	63	276	71	248	58	268	63
Seattle, Wash	66	24	97	34	171	46	204	50	204	43	272	57
Sheridan, Wyo	159	55	183	63	256	69	251	62	317	69	368	79
Sioux City, Iowa	124	42	198	67	221	60	230	57	255	57	246	54
Spokane, Wash	87	31	128	45	237	64	253	62	293	62	288	60
Springfield, Ill	130	43	167	56	234	63	246	62	296	66	322	72
Springfield, Mo	139	45	138	46	182	49	208	53	216	49	258	59
Tacoma, Wash	50	18	77	27	153	41	160	39	173	37	261	55
Tampa, Fla	224	68	227	72	283	76	303	79	309	74	203	49
Terre Haute, Ind	99	33	127	42	224	60	236	59	229	52	312	70
Toledo, Ohio	48	16	87	29	189	51	235	59	308	68	337	74
Tonopah, Nev	193	63	264	87	290	78	272	69	343	78	309	70
Trenton, N. J	128	42	158	53	241	65	288	72	361	81	362	81
Vicksburg, Miss	180	56	136	44	195	52	271	70	270	63	332	78
Walla Walla, Wash	59	21	136	47	198	53	244	60	285	61	287	61
Washington, D. C	117	38	146	49	240	65	285	72	330	74	331	74
Wichita, Kans	178	58	202	67	226	61	212	54	243	55	261	60
Williston, N. Dak	137	50	199	69	223	60	271	66	370	79	341	71
Wilmington, N. C	237	75	197	64	257	69	263	67	324	75	349	81
Winnemucca, Nev	165	55	246	83	275	74	278	70	334	74	323	72
Wytheville, Va	133	43	143	47	224	60	255	64	228	52	294	67
Yankton, S. Dak	121	41	189	64	205	55	240	60	261	57	257	56
Yellowstone Park, Wyo	111	39	181	62	230	62	220	54	267	58	277	59
Yuma, Ariz	265	83	269	87	331	89	359	92	422	98	425	99

Sunshine, 1923—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
Pittsburgh, Pa	296	65	277	65	253	68	214	62	139	47	131	45	2, 576	56
Pocatello, Idaho	352	76	335	78	276	74	175	51	179	61	108	38	2, 776	61
Port Angeles, Wash	260	54	272	61	261	69	163	49	80	29	49	19	1, 982	42
Port Arthur, Tex	294	68	293	71	241	65	226	64	144	45	81	25	2, 634	58
Port Huron, Mich	314	68	247	57	156	42	163	48	91	31	64	23	2, 212	47
Portland, Me	288	62	304	70	240	64	204	60	152	53	126	45	2, 562	57
Portland, Oreg	286	60	318	73	237	63	169	50	119	42	52	19	2, 454	52
Providence, R. I	285	62	330	77	227	61	212	62	159	54	131	46	2, 803	62
Pueblo, Colo	349	78	303	72	269	72	184	53	236	78	191	64	3, 249	73
Raleigh, N. C	242	55	219	52	191	51	246	70	162	52	158	52	2, 588	58
Rapid City, S. Dak	322	69	252	58	275	73	196	57	210	73	160	58	2, 862	64
Reading, Pa	242	53	264	62	225	60	196	57	131	44	122	42	2, 564	56
Richmond, Va	269	60	194	46	208	56	220	63	144	47	154	52	2, 649	58
Rochester, N. Y	328	71	315	73	178	48	197	58	80	27	51	18	2, 363	50
Roswell, N. Mex	297	68	294	71	312	84	191	54	218	69	150	48	3, 027	67
Royal Center, Ind	335	73	243	57	188	50	165	48	120	40	77	27	2, 509	54
Sacramento, Calif	447	99	392	92	318	85	280	81	238	79	190	65	3, 518	77
Saginaw, Mich	351	76	313	73	210	56	201	59	102	35	66	23	2, 568	54
St. Joseph, Mo	360	79	294	69	238	64	207	60	192	64	141	49	2, 832	63
St. Louis, Mo	308	68	253	60	168	45	206	60	177	59	116	40	2, 628	58
St. Paul, Minn	396	84	282	65	234	62	206	61	156	55	142	52	2, 863	62
Salt Lake City, Utah	350	76	333	78	265	71	200	58	215	72	110	38	3, 090	68
San Antonio, Tex	360	84	348	85	244	66	207	58	158	49	106	33	2, 785	61
San Diego, Calif	302	69	296	72	276	74	286	81	280	89	235	76	3, 353	76
Sandy Hook, N. J	313	69	319	75	244	65	229	66	155	52	152	52	2, 866	62
San Francisco, Calif	358	80	298	71	304	81	257	74	231	76	212	72	3, 337	75
San Jose, Calif	406	91	357	85	308	83	266	76	244	80	207	69	3, 482	78
San Juan, Porto Rico	250	61	280	71	262	71	233	64	250	74	226	66	2, 994	68
San Luis Obispo, Calif	365	83	341	82	293	79	294	84	257	83	232	76	3, 516	79
Santa Fe, N. Mex	311	70	240	57	263	71	227	65	201	65	116	38	2, 945	65
Sault Ste. Marie, Mich	297	62	213	49	166	44	135	40	92	32	65	24	2, 246	47
Savannah, Ga	261	60	257	62	229	62	207	59	175	55	134	43	2, 690	60
Seattle, Wash	286	59	306	69	234	62	134	40	76	27	62	24	2, 110	45
Sheridan, Wyo	383	81	314	72	260	69	226	67	202	70	158	58	3, 076	68
Sioux City, Iowa	354	77	283	66	243	65	211	62	190	64	161	57	2, 715	61
Spokane, Wash	415	86	360	82	306	81	209	62	123	44	92	35	2, 792	60
Springfield, Ill	367	81	311	73	183	49	240	69	166	55	109	37	2, 770	60
Springfield, Mo	328	73	306	73	196	53	169	48	173	57	134	45	2, 448	54
Tacoma, Wash	281	59	285	65	225	60	155	46	44	16	41	15	1, 907	40
Tampa, Fla	271	64	288	71	249	67	200	56	212	66	207	64	2, 977	67
Terre Haute, Ind	310	69	274	65	194	52	224	65	150	50	106	36	2, 486	54
Toledo, Ohio	333	72	294	69	210	56	207	60	112	38	78	27	2, 438	52
Tonopah, Nev	370	82	336	80	252	67	252	73	241	79	211	71	3, 333	75
Trenton, N. J	316	70	325	76	242	65	230	67	162	54	150	52	2, 963	65
Vicksburg, Miss	333	77	296	72	305	82	242	69	170	54	79	25	2, 808	62
Walla Walla, Wash	366	77	368	84	293	78	199	59	126	44	77	28	2, 637	56
Washington, D. C	269	59	241	57	206	55	216	62	143	48	146	50	2, 668	59
Wichita, Kans	338	75	322	76	189	51	137	39	207	68	154	52	2, 669	60
Williston, N. Dak	378	78	344	78	268	71	212	63	170	61	189	72	3, 102	68
Wilmington, N. C	294	67	282	68	256	69	243	69	208	67	162	53	3, 073	69
Winnemucca, Nev	408	89	380	89	277	74	240	70	210	71	180	63	3, 316	74
Wytheville, Va	285	64	272	65	228	61	228	66	135	44	121	40	2, 546	56
Yankton, S. Dak	334	72	285	66	244	65	197	58	179	61	144	51	2, 655	59
Yellowstone Park, Wyo	352	75	285	65	256	68	190	56	169	59	120	44	2, 656	58
Yuma, Ariz	379	87	390	94	350	94	345	98	273	87	225	72	4, 031	90

15220—25†——5

EXCESSIVE RAINFALL, 1923

The following table contains statistics of excessive rainfall during the calendar year 1923. Similar data for the years 1896 to 1922, inclusive, have been presented 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, 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 gauges.

The following table shows, for most stations of the Weather Bureau furnished with self-registering gauges, the accumulated amounts of precipitation for each 5 minutes during all storms of 1923 in which the rate of fall equaled or exceeded 0.25 inch in any 5-minute period, or 0.30 inch in any 10-minute period, or 0.35 inch in any 15-minute period, etc. If the period be 1 hour, the minimum fall would need to be 0.80 inch; if 2 hours, 1.40 inches. In the comparatively few cases when the excessive rate of fall continued for more than 2 hours, the record has been spread over three or more lines, as necessary, each line showing amounts through 50 minutes; the four left-hand columns have each but a single entry for the storm, while the amounts shown in the column headed "5 min." are, in reality, the 55-minute amount on the second line, the 105-minute amount on the third line, etc.

The excepted stations, for which the statistics only of the more intense storms appear here, are those in the South Atlantic and the Gulf States, including Arkansas and Tennessee, but not including the western portion of Texas. In these States very heavy falls are so frequent that much space would be needed to print detailed statistics of each rainfall that attained to one of the limits mentioned above, so only the more intense rainfalls are shown. At most stations the only falls included are those in which 1 inch or more fell within an hour, as footnote 6 indicates; but a few stations within these States had no such fall during 1923; so for such stations those falls in which 0.50 inch or more fell within 30 minutes have been presented (footnote 5).

Normal standard time at the place of occurrence is employed in this table.

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 1923 at all stations furnished with self-registering gauges

Station and date	Total duration		Total amount of precipitation	Excessive rate		Amount before excessive rate began	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.[1]																				
Portland, Me.:																				
June 5	6:22 p. m.	10:37 p. m.	0.70	6:25 p. m.	6:41 p. m.	0.01	0.10	0.30	0.42	0.46										
July 15	7:30 p. m.	[2]12:20 p. m.	1.01	11:32 p. m.	11:31 p. m.	.33	.09	.27	.39	.47										
Aug. 3	4:10 p. m.	4:27 p. m.	.54	4:13 p. m.	4:26 p. m.	.01	.41	.50	.53											
Aug. 13	[3]11:00 p. m.	12:20 a. m.	.49	12:03 a. m.	12:09 a. m.	.15	.27	.34												
Concord, N. H.:																				
July 16	[3]5:25 p. m.	10:25 a. m.	1.93	8:28 a. m.	8:54 a. m.	.06	.10	.30	.45	.58	0.64	0.68								
Sept. 28[4]	4:14 p. m.	7:50 p. m.	.44	4:14 p. m.	4:18 p. m.	.00	.33													
Burlington, Vt.:																				
July 21[4]	5:55 p. m.	8:20 p. m.	.51	6:18 p. m.	6:40 p. m.	.02	.09	.14	.23	.42	.45									
Aug. 12	2:30 p. m.	4:25 p. m.	.79	2:43 p. m.	3:00 p. m.	.03	.20	.55	.68	.73										
Do	6:05 p. m.	6:35 p. m.	.77	6:07 p. m.	6:21 p. m.	.01	.35	.65	.74											
Sept. 21	12:10 p. m.	12:30 p. m.	.36	12:12 p. m.	12:18 p. m.	.01	.31	.34												
Sept. 28	12:00 noon	12:35 p. m.	.38	12:00 noon	12:12 p. m.	.00	.17	.32	.37											
Northfield, Vt.[1]																				
Boston, Mass.:																				
July 16	11:10 a. m.	12:40 p. m.	.56	11:37 a. m.	11:47 a. m.	T.	.27	.51												
July 21	4:23 p. m.	4:37 p. m.	.34	4:23 p. m.	4:33 p. m.	.00	.28	.34												
Aug. 29	6:23 p. m.	6:55 p. m.	.39	6:23 p. m.	6:33 p. m.	.00	.12	.35												

[1] No excessive precipitation. [2] On following date. [3] On previous date. [4] Defective record.

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 1923 at all stations furnished with self-registering gauges—Continued

Station and date	Total duration		Total amount of precipitation	Excessive rate		Amount before excessive rate began	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—COL.																				
Nantucket, Mass.:																				
July 29	[1]11:40 p. m.	2:20 p. m.	1.31	7:00 a. m.	7:35 a. m.	0.09	0.08	0.13	0.25	0.43	0.59	0.64	0.70							
Aug. 29	5:20 a. m.	7:40 a. m.	.66	6:24 a. m.	6:36 a. m.	.13	.18	.30	.34											
Block Island, R. I.:																				
Apr. 5	[1]9:35 p. m.	10:00 a. m.	1.89	2:47 a. m.	3:10 a. m.	.94	.21	.36	.60	.77	.81									
June 7	7:30 p. m.	12 midnt.	.87	9:09 p. m.	9:34 p. m.	.18	.10	.16	.21	.31	.50									
Providence, R. I.:																				
June 24	4:59 p. m.	6:00 p. m.	.62	5:24 p. m.	5:37 p. m.	.02	.31	.51	.58											
June 29	[2]7:07 p. m.	7:40 a. m.	1.11	6:28 a. m.	6:40 a. m.	.55	.13	.30	.35											
Hartford, Conn.:																				
June 6	2:20 p. m.	4:10 p. m.	.70	2:31 p. m.	2:57 p. m.	.07	.25	.35	.41	.45	.50	.56								
June 26	2:46 p. m.	6:45 p. m.	1.35	3:46 p. m.	3:58 p. m.	.51	.22	.50	.56											
July 4	6:34 p. m.	7:05 p. m.	1.17	6:36 p. m.	6:52 p. m.	.01	.31	.70	1.09	1.16										
July 28	11:31 a. m.	6:50 p. m.	2.51	12:03 p. m.	12:45 p. m.	.03	.06	.20	.41	.56	.79	1.07	1.17	1.44	1.51					
Do	11:31 a. m.	6:50 p. m.	2.51	3:29 p. m.	3:43 p. m.	2.02	.12	.33	.37											
Sept. 22	5:02 p. m.	[2]8:30 p. m.	1.79	7:17 p. m.	7:37 p. m.	.43	.19	.31	.43	.52										
New Haven, Conn.:																				
Jan. 1	D. N. a. m.	2:40 p. m.	1.45	1:02 p. m.	1:19 p. m.	.94	.17	.31	.37	.40										
Mar. 16	9:00 a. m.	[2]D. N. a. m.	1.40	1:15 p. m.	1:25 p. m.	.19	.24	.31												
June 26	3:50 p. m.	7:15 p. m.	.86	5:56 p. m.	6:05 p. m.	.23	.43	.57												
July 25	D. N. a. m.	8:15 a. m.	.67	5:28 a. m.	5:46 a. m.	.19	.16	.26	.37	.44										
Dec. 6	[3]D. N. p. m.	6:50 a. m.	1.54	5:39 a. m.	5:56 a. m.	.83	.06	.28	.43	.47										
MIDDLE ATLANTIC STATES																				
Albany, N. Y.:																				
Sept. 3	5:07 p. m.	5:36 p. m.	.43	5:07 p. m.	5:25 p. m.	.00	.17	.32	.36	.42										
Sept. 12	7:28 p. m.	7:44 p. m.	.36	7:28 p. m.	7:42 p. m.	.00	.13	.30	.36											
Binghamton, N. Y.:																				
June 4	1:52 p. m.	3:55 p. m.	.50	1:52 p. m.	2:06 p. m.	.00	.08	.30	.37											
June 7	2:47 p. m.	4:05 p. m.	.65	2:47 p. m.	3:08 p. m.	.00	.20	.27	.39	.47	.50									
Sept. 3	5:55 p. m.	9:30 p. m.	.92	6:00 p. m.	6:20 p. m.	.01	.10	.42	.63	.72										
Sept. 28[4]	2:50 p. m.	8:30 p. m.	1.20	2:59 p. m.	3:24 p. m.	T.	.23	.55	.73	.92	.98									
New York, N. Y.:																				
July 6[4]	12:02 p. m.	2:20 p. m.	1.43	1:28 p. m.	1:43 p. m.	.42	.40	.72	.98											
July 28[4]	12:05 p. m.	3:50 p. m.	.97	12:15 p. m.	12:30 p. m.	T.	.11	.55	.79											
Harrisburg, Pa.:																				
May 8	3:35 p. m.	[2]6:30 p. m.	1.14	4:27 p. m.	4:37 p. m.	.16	.30	.57												
July 30	8:50 a. m.	[2]D. N. a. m.	1.47	10:47 a. m.	11:12 a. m.	.07	.09	.20	.28	.40	.53									
Sept. 20	8:05 p. m.	[2]8:15 a. m.	.81	8:29 p. m.	8:45 p. m.	.04	.18	.34	.44	.45										
Sept. 21	1:30 p. m.	3:20 p. m.	.68	2:42 p. m.	2:56 p. m.	.08	.14	.42	.58											
Philadelphia, Pa.:																				
Apr. 5	3:30 p. m.	7:15 p. m.	.88	4:46 p. m.	4:59 p. m.	.01	.33	.76	.85											
Apr. 28	8:45 p. m.	[2]D. N. a. m.	1.66	9:44 p. m.	10:44 p. m.	.17	.12	.30	.43	.48	.53	.59	.67	.78	.89	0.95	1.08			
July 11	9:55 p. m.	[2]D. N. a. m.	1.34	10:18 p. m.	11:18 p. m.	.01	.11	.30	.33	.39	.48	.56	.72	.85	.91	.96	1.07			
Aug. 5	11:56 a. m.	4:55 p. m.	1.15	12:19 p. m.	12:46 p. m.	.06	.08	.19	.30	.41	.49	.52								
Aug. 28–29	10:15 p. m.	D. N. a. m.	1.45	11:19 p. m.	12:16 a. m.	.03	.08	.18	.29	.42	.54	.65	.73	.85	1.00	1.15	1.39			
Sept. 8	1:22 p. m.	3:20 p. m.	1.26	1:33 p. m.	2:03 p. m.	.01	.23	.51	.71	.85	.92	.98								
Reading, Pa.:																				
Apr. 28	3:15 p. m.	[2]1:30 a. m.	1.54	7:03 p. m.	7:31 p. m.	.43	.07	.20	.32	.46	.55	.60								
May 8	6:10 p. m.	[2]12:25 a. m.	.96	7:33 p. m.	7:41 p. m.	.17	.14	.33												
July 24	9:05 p. m.	[2]1:15 a. m.	1.08	10:15 p. m.	10:55 p. m.	.11	.06	.17	.29	.42	.54	.63	.69	.74						
July 28	8:49 a. m.	10:06 a. m.	.84	9:05 a. m.	9:32 a. m.	T.	.19	.40	.53	.65	.73	.78								
Aug. 12	12:34 p. m.	12:52 p. m.	.31	12:43 p. m.	12:48 p. m.	.01	.30													
Sept. 21	1:25 a. m.	5:10 a. m.	.95	3:07 a. m.	3:23 a. m.	.23	.07	.29	.53	.57										
Sept. 23	1:50 p. m.	2:55 p. m.	.92	1:54 p. m.	2:17 p. m.	T.	.18	.36	.63	.85	.90									
Scranton, Pa.:																				
May 8	5:28 p. m.	[2]10:31 a. m.	1.70	7:40 p. m.	8:30 p. m.	.33	.06	.11	.16	.24	.35	.40	.44	.48	.58	.74				
June 4	3:20 p. m.	3:53 p. m.	.69	3:26 p. m.	3:40 p. m.	.01	.36	.54	.67											
July 10	8:25 p. m.	10:30 p. m.	.40	10:05 p. m.	10:16 p. m.	.05	.16	.31	.34											
July 27	7:58 p. m.	[2]10:30 a. m.	3.00	10:37 p. m.	11:17 p. m.	.20	.14	.20	.24	.36	.46	.48	.55	.63						
Aug. 28	3:20 p. m.	5:00 p. m.	1.16	3:34 p. m	4:06 p. m.	.07	.06	.15	.33	.50	.73	.99	1.06							
Do	6:00 p. m.	7:05 p. m.	.44	6:18 p. m.	6:28 p. m.	.02	.07	.32	.40											
Atlantic City, N. J.:																				
July 4	11:28 a. m.	12:30 p.m.	.65	11:28 a.m.	11:44 a.m.	.00	.27	.46	.53	.54										
July 28[4]	6:36 p. m.	[2]8:20 a. m.	2.30	7:34 p. m.	7:49 p. m.	.43	.11	.29	.42											
Sandy Hook, N. J.:																				
Apr. 5	5:14 p. m.	10:00 p. m.	.56	5:52 p. m.	5:58 p. m.	.01	.30	.34												
Aug. 29	[1]4:50 p. m.	D. N. a. m.	.99	12:46 a. m.	1:05 a. m.	.17	.12	.27	.44	.58										
Sept. 22	D. N. a. m.	7:30 a. m.	.85	4:04 a. m.	4:22 a. m.	.20	.08	.13	.35	.43										
Trenton, N. J.:																				
Mar. 23	3:09 p. m.	3:46 p. m.	.31	3:38 p. m.	3:43 p. m.	.01	.28													
Apr. 28	[1]9:00 p. m.	[2]D. N. a. m.	1.17	10:42 p. m.	11:15 p. m.	.40	.05	.13	.18	.25	.36	.46	.55							
June 15	7:55 p. m.	9:25 p. m.	.43	9:02 p. m.	9:12 p. m.	.01	.33	.41												
July 29	9:30 p. m.	D. N. p. m.	.66	10:42 p. m.	11:05 p. m.	.01	.26	.31	.40	.54	.62									
Aug. 4	4:09 p. m.	8:45 p. m.	.38	4:21 p. m.	4:31 p. m.	.01	.22	.31												
Aug. 19	6:02 p. m.	7:35 p. m.	1.47	6:28 p. m.	7:13 p. m.	.06	.17	.35	.48	.65	1.00	1.14	1.24	1.30	1.36					
Sept. 8	1:35 p. m.	5:10 p. m.	.72	2:19 p. m.	2:28 p. m.	.05	.22	.35												
Sept. 12	10:55 p. m.	11:30 p. m.	.77	10:58 p. m.	11:23 p. m.	.01	.09	.30	.47	.58	.75									

[1] On following date. [2] On previous date. [3] Defective record.

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 1923 at all stations furnished with self-registering gauges—Continued

Station and date	Total duration		Total amount of precipitation	Excessive rate		Amount before excessive rate began	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—con.																				
Baltimore, Md.:																				
Apr. 5	3:00 p. m.	8:30 p. m.	0.43	3:11 p. m.	3:21 p. m.	0.01	0.06	0.30												
May 8	5:18 p. m.	7:35 p. m.	.92	5:43 p. m.	6:11 p. m.	.03	.06	.17	0.38	0.47	0.60	0.67								
June 15	5:45 p. m.	6:30 p. m	.41	5:48 p. m.	6:00 p. m.	.01	.14	.30	.36											
June 23	6:50 p. m.	D. N. p. m.	.49	7:07 p. m.	7:21 p. m.	.01	.19	.34	.38											
July 16	6:58 p. m.	7:58 p. m.	.54	7:28 p. m.	7:40 p. m.	.01	.18	.42	.51											
Aug. 29	5:58 p. m.	7:10 p. m.	.76	6:01 p. m.	6:18 p. m.	.01	.16	.44	.57	.62										
Sept. 8	9:45 a. m.	12:45 p. m.	1.05	10:29 a. m.	11:19 a. m.	.01	.07	.24	.32	.34	.35	.38	0.41	0.53	0.65	0.72				
Sept. 12	7:35 p. m.	9:15 p. m.	.40	7:43 p. m.	7:56 p. m.	.01	.22	.39	.43											
Washington, D. C.:																				
June 7	2:02 p. m.	3:00 p. m.	.82	2:04 p. m.	2:18 p. m.	.02	.33	.65	.77											
June 28	4:42 p. m.	5:08 p. m.	.33	4:45 p. m.	4:48 p. m.	.01	.29													
July 11	6:54 p. m.	10:08 p. m.	1.13	7:26 p. m.	7:49 p. m.	.01	.20	.44	.56	.65	.71									
July 13	12:30 a. m.	4:05 a. m.	1.30	2:53 a. m.	3:33 a. m.	.01	.07	.16	.37	.71	.88	.89	1.18	1.23						
July 28	12:02 p. m.	12:50 p. m.	.95	12:11 p. m.	12:32 p. m.	.01	.28	.60	.79	.92	.94									
Cape Henry, Va.:																				
Mar. 13	1:23 p. m.	5:40 p. m.	.69	1:42 p. m.	1:54 p. m.	.04	.29	.43	.46											
Mar. 16	8:58 p. m.	[2] 9:00 a. m.	1.98	9:02 p. m.	9:26 p. m.	.01	.19	.43	.59	.65	.71									
Apr. 28–29	10:00 p. m.	1:30 a. m.	1.27	11:24 p. m.	12:44 a. m.	.17	.16	.27	.36	.46	.56	.59	.61	.64	.71	.79	0.85	1.08		
July 31	8:30 p. m.	[2] 12:45 a. m.	.84	9:59 p. m.	10:18 p. m.	.10	.08	.23	.53	.63										
Aug. 1	11:50 a. m.	1:10 p. m.	.98	12:18 p. m.	12:55 p. m.	.10	.06	.11	.21	.28	.45	.67	.82	.87						
Sept. 8	7:45 p. m.	10:30 p. m.	2.61	7:49 p. m.	9:06 p. m.	.01	.13	.41	.66	.81	.91	.96	.97	.99	1.08	1.18	1.80	2.23		
Sept. 12	4:50 a. m.	6:00 a. m.	.70	5:11 a. m.	5:26 a. m.	.12	.21	.33	.43											
Lynchburg, Va.:																				
Apr. 28	2:45 p. m.	7:30 p. m.	1.05	6:55 p. m.	7:09 p. m.	.39	.06	.34	.63											
Aug. 3	6:00 p. m.	7:20 p. m.	.85	6:21 p. m.	6:37 p. m.	.03	.16	.54	.74	.78										
Aug. 5	6:00 p. m.	7:40 p. m.	.41	6:20 p. m.	6:30 p. m.	.01	.20	.36												
Aug. 8	7:00 p. m.	7:50 p. m.	.41	7:18 p. m.	7:33 p. m.	.01	.22	.32	.38											
Aug. 29	4:20 p. m.	5:20 p. m.	.47	4:34 p. m.	4:45 p. m.	.01	.31	.41	.43											
Sept. 8	[3] 8:30 p. m.	D. N. a. m.	.80	1:48 a. m.	2:06 a. m.	.25	.17	.25	.36	.43										
Norfolk, Va.:																				
Mar. 13	1:05 p. m.	5:30 p. m.	.74	1:11 p. m.	1:39 p. m.	.03	.06	.12	.16	.31	.45	.52								
May 20	6:15 p. m.	8:45 p. m.	.61	7:33 p. m.	7:41 p. m.	.06	.30	.45												
July 12	[2] 10:30 p. m.	D. N. a. m.	.67	12:06 a. m.	12:16 a. m.	.03	.15	.35												
July 31	D. N. a. m.	D. N. a. m.	.34	12:45 a. m.	12:53 a. m.	.03	.27	.31												
Aug. 11	4:45 p. m.	7:55 p. m.	2.05	4:52 p. m.	6:00 p. m.	.02	.22	.32	.39	.41	.42	.51	.59	.68	1.13	1.34	1.73	1.93		
Aug. 29	3:45 p. m.	8:15 p. m.	.72	3:48 p. m.	4:07 p. m.	.01	.21	.33	.47	.53										
Sept. 5	10:13 a. m.	12:25 p. m.	.73	10:13 a. m.	10:35 a. m.	.00	.09	.23	.47	.58	.62									
Sept. 8	7:30 p. m.	9:30 p. m.	1.06	7:34 p. m.	9:05 p. m.	.01	.22	.46	.56	.57	.57	.58	.77	.86	.91	1.15	1.36	1.51	1.95	
Richmond, Va.:																				
July 6	8:30 p. m.	D. N. p. m.	.65	8:46 p. m.	9:15 p. m.	.03	.06	.17	.24	.32	.50	.60								
July 22	5:10 p. m.	7:20 p. m.	.71	5:21 p. m.	5:35 p. m.	.01	.08	.43	.60											
July 30	4:35 p. m.	[2] 7:39 a. m.	7.26	6:20 p. m.	7:10 p. m.	.07	.15	.37	.65	.87	1.20	1.83	2.13	2.53	2.98	3.27				
				7:10 p. m.	8:00 p. m.	------	3.39	3.58	3.81	4.20	4.54	4.89	5.22	5.26	5.38	5.51				
				8:00 p. m.	8:50 p. m.	------	5.76	5.91	6.13	6.32	6.42	6.50	6.56	6.61	6.75	6.89				
				8:50 p. m.	8:56 p. m.	------	6.98	7.01												
Aug. 11	2:46 p. m.	4:45 p. m.	2.46	2:54 p. m.	4:11 p. m.	.02	.08	.23	.48	.71	.93	1.16	1.31	1.51	1.56	1.61	1.76	2.43		
Aug. 22	12:50 p. m.	4:40 p. m.	1.01	1:26 p. m.	1:45 p. m.	.06	.06	.18	.35	.54										
Sept. 5	6:03 p. m.	8:10 p. m.	1.40	6:07 p. m.	6:36 p. m.	.01	.40	.72	.97	1.19	1.35	1.39								
Sept. 21	3:30 p. m.	5:10 p. m.	.42	3:49 p. m.	4:00 p. m.	.04	.12	.35	.38											
Sept. 23	D. N. a. m.	8:25 a. m.	1.14	3:42 a. m.	4:32 a. m.	.12	.11	.19	.21	.27	.44	.52	.61	.66	.69	.76				
Wytheville, Va.:																				
June 18	2:13 p. m.	3:05 p. m.	1.10	2:15 p. m.	2:40 p. m.	.01	.25	.62	.83	.94	1.01									
June 20	7:56 p. m.	8:30 p. m.	.54	7:58 p. m.	8:20 p. m.	.01	.12	.18	.25	.46	.51									
July 7	2:30 p. m.	4:37 p. m.	.47	3:37 p. m.	3:44 p. m.	.05	.25	.30												
Aug. 9	4:07 p. m.	5:17 p. m.	.50	4:07 p. m.	4:21 p. m.	.00	.17	.31	.42											
Sept. 4	2:36 p. m.	4:10 p. m.	1.37	3:03 p. m.	3:38 p. m.	.02	.14	.26	.54	.78	.93	1.08	1.18							
Sept. 5	3:51 p. m.	4:11 p. m.	.44	3:51 p. m.	4:02 p. m.	.00	.19	.41	.44											
Sept 21	D. N. a. m.	6:40 a. m.	1.73	4:25 a. m.	5:07 a. m.	.22	.06	.19	.34	.46	.57	.75	.86	1.07	1.13					
SOUTH ATLANTIC STATES																				
Asheville, N. C.: [4]																				
July 3	4:50 p. m.	6:25 p. m.	.69	5:09 p. m.	5:30 p. m.	.03	.06	.10	.30	.54	.57									
July 4	1:30 p. m.	2:20 p. m.	.78	1:38 p. m.	1:57 p. m.	.01	.18	.41	.60	.76										
Sept. 6	2:40 p. m	3:30 p. m.	.88	2:43 p. m.	3:08 p. m.	.01	.20	.56	.64	.78	.85									
Charlotte, N. C.: [4]																				
July 28	4:35 p. m.	6:25 p. m.	2.67	4:58 p. m.	6:22 p. m.	.01	.33	.51	.62	.76	.91	1.05	1.21	1.59	1.76	1.87	2.32	2.59	2.66	
Aug. 17	5:10 p. m.	6:35 p. m.	2.00	5:33 p. m.	6:10 p. m.	.01	.06	.27	.78	1.27	1.57	1.78	1.94	1.97						
Hatteras, N. C.: [4]																				
Jan. 1	D. N. a. m.	9:42 a. m.	1.24	7:20 a. m.	8:00 a. m.	.17	.10	.26	.37	.49	.67	.72	.83	1.03						
May 30	6:22 p. m.	8:12 p. m.	1.08	6:23 p. m.	7:09 p. m.	T.	.11	.23	.37	.52	.65	.76	.87	.97	1.06	1.07				
July 13	9:00 a. m.	10:05 a. m.	1.69	9:15 a. m.	9:42 a. m.	.03	.24	.41	.73	1.17	1.57	1.66								
July 17	[3] D. N. p. m.	D. N. a. m.	2.18	2:05 a. m.	3:02 a. m.	.15	.20	.34	.79	1.08	1.08	1.14	1.21	1.38	1.64	1.80	1.96			
Aug. 18	10:26 a. m.	2:08 p. m.	3.00	10:26 a. m.	11:18 a. m.	.00	.28	.41	.48	.64	.93	1.18	1.32	1.49	1.61	1.73	1.77			
Dec. 5	3:38 p. m.	D. N. p. m.	2.71	3:38 p. m.	5:37 p. m.	.00	.14	.19	.21	.29	.30	.30	.43	.50	.66	.68	.73	1.13	1.38	1.77
Raleigh, N. C.: [4]																				
July 6	12:13 p. m.	1:35 p. m.	1.72	12:31 p. m.	1:25 p. m.	.13	.09	.16	.27	.44	.52	.62	.77	.97	1.16	1.33	1.59			
July 29	[3] 11:05 p. m.	2:40 a. m.	1.40	1:23 a. m.	2:19 a. m.	.15	.27	.31	.42	.45	.46	.46	.46	.47	.72	.97	1.24			
Aug. 22	4:10 p. m.	5:15 p. m.	1.47	4:10 p. m.	4:42 p. m.	.00	.46	.87	1.21	1.29	1.34	1.41	1.44							
Sept. 22	[3] 7:32 p. m.	11:53 a. m.	2.63	3:26 a. m.	4:11 a. m.	.53	.14	.45	.68	.80	.84	.91	.96	1.03	1.12					

[2] On following date.
[3] On previous date.
[4] Only storms attaining 0.50 inch within 30 minutes.
[5] Only storms at the rate of 1 inch or more in 1 hour or less.

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 1923 at all stations furnished with self-registering gauges—Continued

Station and date	Total duration		Total amount of precipitation	Excessive rate		Amount before excessive rate began	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—con.																				
Wilmington, N. C.:[6]																				
July 17	4:30 p. m.	6:00 p. m.	1.11	4:35 p. m.	5:03 p. m.	0.01	0.27	0.45	0.74	0.87	1.02	1.06								
July 29	[3]D.N. p. m.	D. N. a. m.	2.79	12:48 a. m.	2:09 a. m.	.05	.15	.42	.65	.86	.99	1.18	1.38	1.58	1.78	1.87	2.01	2.62	2.63	
Sept. 12	12:33 p. m.	1:50 p. m.	1.38	12:33 p. m.	1:30 p. m.	.00	.14	.41	.51	.51	.51	.66	.90	1.07	1.12	1.25	1.37			
Sept. 23	1:30 p. m.	4:30 p. m.	3.02	1:32 p. m.	2:10 p. m.	.01	.45	.97	1.37	2.01	2.44	2.60	2.65	2.68						
Dec. 5	9:11 a. m.	3:45 p. m.	1.90	9:34 a. m.	10:30 a. m.	.04	.16	.37	.51	.64	.80	.93	1.06	1.13	1.15	1.18	1.40			
Charleston, S. C.:[6]																				
Aug. 24	12:40 p. m.	7:56 p. m.	4.65	2:20 p. m.	3:10 p. m.	.73	.09	.21	.33	.45	.60	.75	1.01	1.08	1.19	1.29				
				3:10 p. m.	4:00 p. m.		1.39	1.53	1.70	1.89	2.03	2.31	2.54	2.77	2.83	2.96				
				4:00 p. m.	4:19 p. m.		3.20	3.36	3.43	3.52										
Oct. 2	7:22 a. m.	9:10 a. m.	1.50	7:33 a. m.	8:00 a. m.	.04	.22	.56	.84	1.10	1.24	1.27								
Columbia, S. C.:[6]																				
June 5	4:50 p. m.	6:20 p. m.	1.59	5:07 p. m.	6:09 p. m.	.05	.11	.34	.42	.50	.60	.92	1.16	1.16	1.17	1.20	1.48	1.54		
June 25	1:50 p. m.	4:03 p. m.	1.61	1:54 p. m.	2:21 p. m.	.01	.12	.34	.67	1.05	1.26	1.29								
Duc West, S. C.:[6]																				
June 25	4:39 p. m.	7:15 p. m.	4.58	4:41 p. m.	5:31 p. m.	.01	.31	.48	.59	.93	1.17	1.44	1.55	1.89	1.73	1.76				
				5:31 p. m.	6:21 p. m.		1.84	2.05	2.27	2.46	2.52	2.61	2.63	2.76	3.02	3.09				
				6:21 p. m.	7:01 p. m.		3.23	3.43	3.59	3.72	3.92	4.21	4.35	4.54						
Greenville, S. C.:[6]																				
July 2	D. N. a. m.	D. N. a. m.	2.07	2:34 a. m.	3:29 a. m.	.16	.06	.20	.37	.51	.75	.94	1.14	1.21	1.26	1.35	1.42			
July 28	4:07 p. m.	6:30 p. m.	1.79	4:11 p. m.	4:42 p. m.	.02	.17	.48	.53	.65	.85	1.07	1.11							
Aug. 28	12:09 p. m.	2:00 p. m.	1.35	12:33 p. m.	1:10 p. m.	.04	.19	.41	.53	.73	.90	1.13	1.25	1.29						
Aug. 29	5:07 p. m.	7:10 p. m.	2.42	5:31 p. m.	6:44 p. m.	.03	.11	.12	.21	.28	.33	.50	.91	1.16	1.36	1.45	1.90	2.39		
Augusta, Ga.:[6]																				
May 30	3:35 p. m.	4:40 p. m.	2.03	3:40 p. m.	4:16 p. m.	.01	.25	.51	.75	1.14	1.59	1.78	1.93	1.97						
July 2	8:55 a. m.	4:00 p. m.	1.58	10:11 a. m.	11:04 a. m.	.07	.15	.29	.35	.40	.58	.84	1.01	1.07	1.17	1.26	1.37			
Savannah, Ga.:[6]																				
May 29	7:00 p. m.	11:05 p. m.	1.30	7:10 p. m.	7:35 p. m.	.01	.12	.36	.60	.81	1.00									
Aug. 26	12:02 p. m.	2:10 p. m.	1.72	12:17 p. m.	1:07 p. m.	.02	.12	.19	.37	.58	.90	1.19	1.21	1.23	1.35	1.48				
Jacksonville, Fla.:[6]																				
May 19	1:35 p. m.	3:05 p. m.	1.28	2:15 p. m.	2:59 p. m.	.18	.14	.27	.51	.72	.73	.75	.84	1.01	1.08					
May 27	12:23 p. m.	1:17 p. m.	1.32	12:52 p. m.	1:10 p. m.	.10	.20	.62	1.10	1.21										
July 26	11:48 a. m.	3:43 p. m.	1.25	11:50 a. m.	12:24 p. m.	.01	.30	.37	.72	.88	.96	1.03	1.08							
Aug. 27	2:48 p. m.	4:05 p. m.	1.51	3:06 p. m.	3:31 p. m.	.04	.15	.53	1.04	1.24	1.33									
FLORIDA PENINSULA																				
Key West, Fla.:[6]																				
May 4	4:23 a. m.	D. N. a. m.	1.08	4:30 a. m.	4:52 a. m.	.01	.17	.50	.90	1.01	1.05									
May 16	8:25 p. m.	D. N. p. m.	2.89	8:41 p. m.	10:11 p. m.	.01	.13	.22	.30	.41	.50	.63	.76	.81	.88	.93	1.18	2.56	2.83	
Aug. 2	7:43 a. m.	11:10 a. m.	1.58	9:33 a. m.	10:00 a. m.	.19	.27	.54	.84	1.07	1.18	1.25								
Miami, Fla.:[6]																				
Apr. 6	2:30 p. m.	3:23 p. m.	1.35	2:34 p. m.	3:05 p. m.	.01	.23	.49	.87	1.17	1.21	1.28	1.33							
May 21	7:05 a. m.	11:10 a. m.	1.88	7:41 a. m.	8:13 a. m.	.13	.23	.71	1.07	1.17	1.31	1.49	1.55							
May 28	2:35 p. m.	8:45 p. m.	3.20	2:35 p. m.	4:07 p. m.	.00	.21	.54	.75	.99	1.22	1.50	1.77	1.82	1.86	1.89	2.13	2.67	2.90	
June 15	2:05 p. m.	5:40 p. m.	1.45	2:50 p. m.	3:18 p. m.	.05	.18	.49	.78	.96	1.10	1.16								
Aug. 1	10:20 a. m.	1:15 p. m.	1.59	12:01 p. m.	12:38 p. m.	.08	.10	.23	.35	.52	.76	1.03	1.33	1.42						
Aug. 2	8:09 a. m.	11:50 a. m.	1.53	8:11 a. m.	9:01 a. m.	.01	.34	.58	.72	.85	.96	1.06	1.15	1.24	1.28	1.35				
Sept. 13	11:30 a. m.	1:37 p. m.	1.69	11:30 a. m.	12:00 noon	.00	.14	.33	.76	1.11	1.38	1.55								
Oct. 8	10:15 a. m.	12:30 p. m.	1.28	11:48 a. m.	12:20 p. m.	.16	.16	.25	.55	.77	.97	1.08	1.12							
Sand Key, Fla.:[6]																				
May 4	3:55 a. m.	5:15 a. m.	1.16	4:00 a. m.	4:44 a. m.	.01	.08	.16	.40	.70	.80	.87	.93	.99	1.04					
Oct. 9	12:10 p. m.	[2]4:30 a. m.	2.47	6:10 p. m.	6:57 p. m.	.54	.15	.57	.83	.96	1.05	1.11	1.31	1.58	1.74	1.77				
Tampa, Fla.:[6]																				
May 3	8:35 a. m.	1:39 p. m.	3.31	8:46 a. m.	10:40 a. m.	.05	.05	.31	.67	.98	1.34	1.47	1.47	1.47	1.47	1.49	2.04	2.57	2.80	2.96
June 1	3:29 p. m.	5:00 p. m.	1.23	3:29 p. m.	4:12 p. m.	.00	.29	.51	.54	.82	.87	.94	1.02	1.14	1.19					
Sept. 19	2:55 p. m.	4:15 p. m.	1.15	3:13 p. m.	4:01 p. m.	.03	.14	.26	.38	.49	.59	.71	.80	.93	1.05	1.11				
Oct. 6	9:45 a. m.	2:40 p. m.	2.55	10:09 a. m.	11:37 a. m.	.08	.12	.22	.38	.58	.90	.90	.91	1.15	1.25	1.31	1.49	1.90	2.11	
EAST GULF STATES																				
Atlanta, Ga.:[6]																				
Feb. 13	[1]7:05 a. m.	12:05 p. m.	2.83	6:44 a. m.	7:36 a. m.	1.12	.07	.12	.21	.34	.49	.58	.77	.89	.98	1.18	1.29			
May 8	D. N. a. m.	6:40 a. m.	1.41	5:09 a. m.	5:54 a. m.	.28	.24	.32	.49	.66	.76	.84	.95	1.03	1.09					
July 2	6:45 p. m.	7:50 p. m.	1.37	6:55 p. m.	7:30 p. m.	.01	.15	.45	.73	.92	1.16	1.25	1.31							
Aug. 28	3:53 p. m.	5:55 p. m.	1.43	4:08 p. m.	4:32 p. m.	.10	.18	.47	.80	.99	1.06									
Macon, Ga.:[6]																				
May 26	3:02 p. m.	[2]D.N. a. m.	3.46	4:26 p. m.	5:24 p. m.	.43	.07	.12	.22	.30	.37	.40	.44	.47	.56	.79	1.24			
June 10	12:35 p. m.	3:06 p. m.	6.60	12:43 p. m.	2:38 p. m.	.04	.25	.52	.62	.80	.99	1.29	1.67	2.21	2.68	3.13	3.57	5.02	6.05	6.54
Sept. 22	D. N. a. m.	D. N. a. m.	3.74	12:48 a. m.	2:19 a. m.	.03	.16	.25	.42	.66	.82	.88	.94	1.01	1.09	1.16	1.34	2.15	2.50	
Thomasville, Ga.:[6]																				
Feb. 5	6:50 a. m.	2:12 p. m.	1.97	7:23 a. m.	8:19 a. m.	.01	.10	.25	.44	.61	.83	1.01	1.10	1.17	1.24	1.27	1.35			
Mar. 13	9:10 a. m.	1:48 p. m.	2.06	9:44 a. m.	10:17 a. m.	.01	.35	.72	1.01	1.26	1.46	1.57	1.63							
Apr. 8	2:28 p. m.	5:35 p. m.	1.92	2:43 p. m.	3:16 p. m.	.06	.08	.29	.63	1.09	1.44	1.55	1.60							
June 7[4]	1:54 p. m.	4:48 p. m.	1.99	2:50 p. m.	3:30 p. m.	.21	.10	.22	.37	.65	1.04	1.38	1.54	1.64						
June 26	5:45 a. m.	2:33 p. m.	4.38	11:23 a. m.	12:03 p. m.	2.55	.13	.23	.35	.60	.81	.89	1.03	1.31						
July 14	5:36 p. m.	D. N. p. m.	3.11	5:44 p. m.	6:11 p. m.	.01	.13	.45	.96	1.37	1.54	1.59								
Do	5:36 p. m.	D. N. p. m.	3.11	7:00 p. m.	7:38 p. m.	1.68	.15	.29	.50	.63	.74	1.01	1.14	1.20						
Aug. 25	4:02 p. m.	6:24 p. m.	2.02	4:07 p. m.	4:49 p. m.	.01	.33	.70	.99	1.27	1.49	1.68	1.79	1.88	1.91					
Dec. 4-5	9:20 p. m.	5:45 a. m.	2.14	11:50 p. m.	12:45 a. m.	.25	.08	.24	.32	.39	.62	.80	.98	1.03	1.09	1.15	1.28			
Apalachicola, Fla.:[6]																				
May 2	7:40 a. m.	6:30 p. m.	3.69	11:18 a. m.	12:25 p. m.	.28	.06	.15	.22	.26	.34	.48	.76	1.39	2.02	2.32	2.71	2.82		
June 28	8:50 p. m.	[2]D.N. a. m.	2.46	9:22 p. m.	11:15 p. m.	.02	.14	.23	.26	.28	.37	.51	.57	.67	.81	.95	1.22	1.49	1.68	1.95
Aug. 22	8:22 a. m.	11:30 a. m.	1.51	8:50 a. m.	9:28 a. m.	.04	.11	.18	.25	.47	.75	1.02	1.13	1.18						
Sept. 18	D. N. a. m.	6:43 a. m.	1.41	5:31 a. m.	6:36 a. m.	.21	.14	.28	.44	.55	.68	.79	.86	.89	.91	.93	1.13	1.20		
Sept. 22	1:59 p. m.	4:06 p. m.	1.27	2:09 p. m.	3:22 p. m.	.01	.10	.20	.23	.28	.33	.49	.60	.64	.69	.79	1.00	1.23		

[1] On following date. [2] On previous date. [4] Defective record. [6] Only storms at the rate of 1 inch or more in 1 hour or less.

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 one hour during 1923 at all stations furnished with self-registering gauges—Continued

Station and date	Total duration		Total amount of precipitation	Excessive rate		Amount before excessive rate began	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																				
Pensacola, Fla.:[5]																				
Mar. 18	1:13 p. m.	[2]10:18 p. m.	2.84	2:28 p. m.	3:14 p. m.	0.37	0.07	0.18	0.42	0.69	0.83	.97	1.03	1.20	1.35	1.40				
Apr. 27	12:35 p. m.	7:10 p. m.	3.03	3:48 p. m.	4:17 p. m.	1.11	.13	.37	.77	1.19	1.61	1.79								
May 19	[2]10:40 p. m.	6:25 a. m.	1.50	12:47 a. m.	1:38 a. m.	.10	.15	.22	.25	.31	.42	.50	.59	.79	.99	1.10	1.16			
June 21	3:55 p. m.	6:20 p. m.	1.32	3:58 p. m.	4:35 p. m.	.01	.13	.44	.79	.92	1.04	1.14	1.24	1.27						
June 28	5:20 a. m.	9:05 a. m.	2.90	7:27 a. m.	9:01 a. m.	.64	.10	.15	.19	.45	.68	.92	1.22	1.34	1.36	1.50	1.74	1.94	2.26	
July 31	9:28 a. m.	2:19 p. m.	3.10	10:50 a. m.	12:07 p. m.	.52	.26	.47	.72	.87	.90	.90	.91	1.01	1.07	1.14	1.41	1.85		
Aug. 14	1:15 p. m.	6:25 p. m.	2.00	1:52 p. m.	2:50 p. m.	.09	.38	.81	.96	1.03	1.05	1.15	1.24	1.34	1.40	1.54	1.67			
Sept. 10	12:31 p. m.	2:42 p. m.	1.45	12:37 p. m.	1:14 p. m.	.01	.23	.52	.74	.85	.91	1.02	1.07	1.10						
Oct. 7	D. N. a. m.	[2]D. N. a. m.	3.23	6:12 a. m.	7:12 a. m.	.41	.12	.31	.53	.71	.94	1.21	1.46	1.59	1.76	1.91	2.10			
Oct. 16[4]	[2]11:45 p. m.	[2]10:40 p. m.	9.95	2:07 p. m.	3:10 p. m.	1.92	.08	.16	.30	.38	.45	.52	.67	.85	.98	1.04	1.22	1.34		
Oct. 17[4]	[2]11:45 p. m.	10:40 p. m.	9.95	3:02 a. m.	3:42 a. m.	5.86	.12	.21	.30	.44	.58	.79	1.02	1.12						
Anniston, Ala.:[6]																				
Feb. 13	[3]9:25 p. m.	10:35 a. m.	2.81	4:24 a. m.	5:26 a. m.	1.01	.08	.15	.23	.35	.39	.51	.56	.59	.62	.84	1.09	1.19		
May 15	12:59 p. m.	5:35 p. m.	1.69	12:59 p. m.	1:28 p. m.	.00	.08	.28	.58	.83	.95	1.04								
Do	8:28 p. m.	10:45 p. m.	1.44	9:20 p. m.	10:13 p. m.	.07	.09	.19	.28	.37	.39	.46	.70	.84	1.09	1.18	1.28			
Birmingham, Ala.:[6]																				
Apr. 28–29	D. N. p. m.	D. N. a. m.	1.35	11:36 p. m.	12:09 a. m.	.01	.05	.17	.30	.54	.77	1.00	1.05							
May 29[4]	2:52 p. m.	4:27 p. m.	1.21	2:55 p. m.	3:30 p. m.	.02	.18	.35	.50	.70	.85	.95	1.00							
July 15	5:16 p. m.	7:40 p. m.	2.00	5:54 p. m.	6:54 p. m.	.03	.16	.35	.60	.71	.73	.75	.85	1.16	1.39	1.59	1.92			
Aug. 17	12:39 p. m.	2:30 p. m.	1.16	1:27 p. m.	2:14 p. m.	.00	.24	.38	.41	.49	.69	.73	.85	.91	1.02	1.07				
Aug. 19	8:11 a. m.	11:09 a. m.	1.32	8:25 a. m.	8:54 a. m.	.01	.23	.51	.76	.91	.96	1.00								
Sept. 20[4]	5:54 p. m.	7:10 p. m.	1.07	5:54 p. m.	6:24 p. m.	.00	.26	.49	.70	.86	.96	1.00								
Mobile, Ala.:[6]																				
Apr. 21	D. N. a. m.	D. N. a. m.	1.48	12:49 a. m.	1:07 a. m.	.02	.24	.75	.93	1.00										
May 13	D. N. a. m.	3:45 p. m.	2.00	6:45 a. m.	7:40 a. m.	.05	.14	.41	.55	.59	.75	.87	.89	.91	.96	1.06	1.16			
May 23	2:50 p. m.	3:55 p. m.	1.16	3:19 p. m.	3:44 p. m.	.01	.17	.60	.95	1.08	1.15									
Aug. 1[4]	11:45 a. m.	1:05 p. m.	1.23	11:50 a. m.	12:30 p. m.	.01	.09	.22	.36	.68	.95	.96	1.04	1.10						
Oct. 16	[2]10:55 p. m.	[2]5:30 a. m.	3.51	7:30 p. m.	8:28 p. m.	1.91	.15	.38	.50	.70	.80	.84	.97	1.00	1.05	1.11	1.21			
Montgomery, Ala.:[6]																				
May 3[4]	3:30 p. m.	6:15 p. m.	1.30	4:15 p. m.	4:42 p. m.	.10	.15	.38	.64	.95	1.16	1.18								
May 15	1:33 p. m.	5:30 p. m.	1.38	2:10 p. m.	3:08 p. m.	.01	.07	.16	.32	.49	.65	.77	.83	.85	.94	1.00	1.13			
May 28	9:12 a. m.	11:10 a. m.	1.27	9:53 a. m.	10:35 a. m.	.04	.19	.41	.48	.60	.72	.82	.93	1.14	1.19					
May 31	5:45 p. m.	9:00 p. m.	1.90	6:24 p. m.	7:12 p. m.	.02	.16	.53	.92	1.36	1.56	1.62	1.68	1.76						
July 28	8:44 a. m.	9:40 a. m.	1.28	8:44 a. m.	9:22 a. m.	.00	.08	.16	.39	.73	1.01	1.15	1.22	1.27						
Nov. 3	10:15 p. m.	[2]9:15 a. m.	1.83	11:27 p. m.	12 midnt.	.13	.17	.49	.73	.84	.93	1.03	1.06							
Meridian, Miss.:[6]																				
Mar. 22	5:45 p. m.	[3]6:00 a. m.	4.30	6:55 p. m.	7:49 p. m.	1.13	.09	.18	.27	.34	.38	.45	.54	.75	.82	.92	1.02			
May 15	8:00 a. m.	2:00 p. m.	2.71	10:19 a. m.	10:55 a. m.	.99	.28	.43	.51	.62	.77	1.06	1.23	1.27						
June 28	3:05 p. m.	4:15 p. m.	1.13	3:25 p. m.	3:49 p. m.	.04	.19	.44	.54	.94	1.07									
July 16	4:55 a. m.	8:45 a. m.	2.17	5:03 a. m.	5:43 a. m.	.04	.12	.34	.61	.94	1.24	1.58	1.77	1.86						
July 28	6:55 p. m.	9:00 p. m.	1.96	7:22 p. m.	8:16 p. m.	.16	.12	.24	.51	.73	.91	1.15	1.41	1.55	1.62	1.68	1.79			
Aug. 12	3:05 p. m.	4:10 p. m.	1.05	3:08 p. m.	3:41 p. m.	.01	.13	.38	.59	.70	.87	.98	1.02							
Vicksburg, Miss.:[6]																				
Mar. 15	7:05 p. m.	[2]D. N. a. m.	1.84	7:19 p. m.	8:02 p. m.	.01	.16	.32	.53	.72	.83	.89	1.03	1.10	1.16					
Apr. 12	12:25 p. m.	7:02 p. m.	2.46	2:29 p. m.	3:14 p. m.	.49	.10	.36	.69	.88	.95	.98	1.01	1.10	1.19					
May 12	6:12 p. m.	[2]D. N. a. m.	2.19	10:58 p. m.	11:34 p. m.	.57	.56	1.19	1.25	1.26	1.29	1.38	1.51	1.55						
May 15	6:26 a. m.	10:25 a. m.	1.46	6:31 a. m.	6:59 a. m.	.01	.27	.62	.82	.94	1.02	1.06								
May 22	5:52 p. m.	8:20 p. m.	1.60	6:09 p. m.	6:53 p. m.	.01	.06	.22	.36	.55	.75	1.02	1.18	1.27	1.32					
New Orleans, La.:[6]																				
Jan. 22[4]	12:05 p. m.	3:50 p. m.	3.33	12:36 p. m.	1:49 p. m.	.04	.20	.75	1.20	1.48	1.63	1.73	1.88	2.01	2.11	2.20	2.34	2.63		
May 1–2	8:20 p. m.	D. N. a. m.	2.94	11:34 p. m.	12:39 a. m.	.27	.12	.19	.30	.32	.37	.53	.62	.85	1.16	1.47	1.73	1.87		
May 19	7:05 a. m.	2:35 p. m.	3.52	10:31 a. m.	11:21 a. m.	.30	.07	.14	.25	.29	.39	.47	.57	.60	.65	.78				
				11:21 a. m.	12:11 p. m.	.....	.84	.86	.88	.90	.92	.98	1.01	1.12	1.17	1.24				
				12:11 p. m.	1:00 p. m.	.....	1.35	1.43	1.54	1.63	1.81	2.23	2.61	2.90	3.04	3.09				
June 28	8:30 p. m.	[2]D. N. a. m.	1.44	8:43 p. m.	9:33 p. m.	.05	.09	.14	.20	.24	.46	.73	.80	.86	.98	1.06				
Aug. 21	3:02 p. m.	5:16 p. m.	1.78	3:15 p. m.	4:19 p. m.	.01	.08	.13	.30	.49	.62	.78	.86	.91	1.17	1.36	1.61	1.73		
Sept. 10	5:32 p. m.	6:05 p. m.	1.21	5:32 p. m.	5:50 p. m.	.00	.24	.55	1.04	1.18										
Dec. 22	11:40 a. m.	7:10 p. m.	1.49	2:34 p. m.	3:05 p. m.	.02	.12	.13	.21	.41	.80	1.00	1.06							
WEST GULF STATES																				
Shreveport, La.:[6]																				
May 24	1:45 p. m.	7:20 p. m.	2.54	2:15 p. m.	3:24 p. m.	.05	.10	.32	.57	.86	.97	1.09	1.13	1.22	1.36	1.64	1.84	2.13		
July 30	8:30 p. m.	10:10 p. m.	1.56	9:00 p. m.	9:39 p. m.	.14	.10	.34	.66	1.00	1.18	1.24	1.29	1.33						
Sept. 3	7:45 a. m.	3:10 p. m.	3.56	8:19 a. m.	9:45 a. m.	.05	.13	.21	.39	.56	.68	.72	1.05	1.21	1.25	1.29	1.58	2.74	2.94	
Sept. 20	D. N. a. m.	9:30 a. m.	2.02	4:38 a. m.	5:26 a. m.	.01	.14	.18	.27	.60	.84	1.20	1.30	1.38	1.58	1.66				
Fort Smith, Ark.:[6]																				
June 9	5:50 p. m.	7:40 p. m.	1.40	6:35 p. m.	7:09 p. m.	.03	.07	.30	.40	.59	.88	1.18	1.34							
Little Rock, Ark.:[6]																				
Mar. 15	11:45 a. m.	5:35 p. m.	1.64	2:39 p. m.	3:37 p. m.	.24	.25	.29	.32	.38	.44	.53	.55	.69	.81	.90	1.18			
Apr. 4	3:47 p. m.	4:35 p. m.	1.15	4:05 p. m.	4:24 p. m.	.02	.30	.54	.86	1.13										
				7:26 p. m.	8:16 p. m.	.01	.23	.47	.57	.72	.81	.92	1.05	1.14	1.24	1.37				
May 14	7:00 p. m.	[2]D. N. a. m.	3.74	8:16 p. m.	9:06 p. m.	.....	1.49	1.57	1.90	2.00	2.15	2.30	2.55	2.77	2.85	2.93				
				9:06 p. m.	9:31 p. m.	.....	3.00	3.01	3.04	3.13	3.21									
July 17	[2]10:25 p. m.	10:20 a. m.	3.42	2:50 a. m.	3:25 a. m.	.30	.29	.68	.93	1.04	1.16	1.21	1.28							
July 27	8:27 p. m.	10:45 p. m.	2.23	9:03 p. m.	9:47 p. m.	.17	.22	.42	.53	.57	.79	1.09	1.48	1.82	1.93					
Sept. 4	9:30 p. m.	D. N. p.m.	1.08	9:52 p. m.	10:29 p. m.	.03	.18	.29	.49	.73	.87	.91	.96	1.01						
Brownsville, Tex.:[5]																				
June 29	9:50 a. m.	11:30 a. m.	1.60	10:07 a. m.	11:00 a. m.	.02	.06	.11	.24	.26	.37	.70	.94	1.17	1.31	1.45	1.56			
Sept. 15	12:28 p. m.	4:10 p. m.	2.02	1:00 p. m.	2:03 p. m.	.04	.06	.09	.31	.60	.88	1.13	1.36	1.60	1.65	1.67	1.82	1.89		
Nov. 14	3:28 p. m.	8:00 p. m.	1.84	4:10 p. m.	5:20 p. m.	.07	.12	.24	.35	.43	.53	.59	.62	.74	.90	1.09	1.31	1.50		

[2] On following date. [3] On previous date. [4] Defective record. [5] Only storms at the rate of 1 inch or more in 1 hour or less. [6] On second day previous.

Accu lated 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 1923 at all stations furnished with self-registering gauges—Continued

Station and date	Total duration		Total amount of precipitation	Excessive rate		Amount before excessive rate began	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—con.																				
Corpus Christi, Tex.:[6]																				
Aug. 28	11:43 a. m.	6:15 p. m.	2.40	1:01 p. m.	2:07 p. m.	0.39	0.10	0.31	0.47	0.55	0.63	0.85	1.02	1.16	1.30	1.41	1.65	1.82	----	----
Oct. 7	12.00 noon.	2:00 p. m.	1.46	12:06 p. m.	12:51 p. m.	0.01	0.15	0.20	0.25	0.39	0.60	0.88	1.09	1.22	1.30	----	----	----	----	----
Dallas, Tex.:[6]																				
Apr. 3	1:40 p. m.	6:10 p. m.	1.39	2:05 p. m.	2:26 p. m.	.02	.12	.40	.71	1.07	1.09	----	----	----	----	----	----	----	----	----
Apr. 25	[3]10:20 p. m.	4:05 p. m.	2.07	12:24 a. m.	1:52 a. m.	.27	.13	.26	.32	.34	.50	.62	.72	.82	.92	.96	1.09	1.41	1.56	----
June 2	5:12 p. m.	[2]1:30 a. m.	3.24	6:02 p. m.	6:52 p. m.	.12	.19	.29	.36	.39	.41	.46	.55	.69	.83	.95	----	----	----	----
				6:52 p. m.	7:42 p. m.	----	1.02	1.05	1.27	1.45	1.64	1.73	1.81	1.93	2.01	2.08	----	----	----	----
				7:42 p. m.	8:18 p. m.	----	2.10	2.11	2.17	2.19	2.22	2.37	2.46	2.49	----	----	----	----	----	----
June 10	12:30 a. m.	10:01 a. m.	3.34	1:05 a. m.	1:58 a. m.	.05	.33	.79	.96	1.18	1.41	1.54	1.63	1.79	1.85	1.91	1.96	----	----	----
Sept. 15	3:24 p. m.	3:57 p. m.	1.10	3:26 p. m.	3:46 p. m.	.01	.23	.70	.94	1.07	----	----	----	----	----	----	----	----	----	----
Oct. 13–14	8:45 p. m.	2:25 a. m.	1.65	11:27 p. m.	12:22 a. m.	.23	.05	.14	.19	.25	.35	.46	.59	.77	.94	1.18	1.29	----	----	----
Fort Worth, Tex.:[6]																				
June 5	2:21 a. m.	7:15 a. m.	1.52	2:30 a. m.	2:58 a. m.	.01	.19	.44	.65	.83	1.01	1.07	----	----	----	----	----	----	----	----
June 9–10	1:34 p. m.	8:54 p. m.	3.91	11:48 p. m.	1:05 a. m.	1.08	.18	.35	.45	.55	.63	.66	.69	.84	.96	1.18	1.44	1.71	----	----
Galveston, Tex.:[6]																				
Jan. 22	D. N. a. m.	9:15 a. m.	5.37	2:05 a. m.	3:50 a. m.	.18	.36	.73	.99	1.20	1.51	1.79	2.01	2.22	2.49	2.73	3.26	3.42	3.84	3.96
Mar. 27	7:48 a. m.	5:30 p. m.	2.67	3:04 p. m.	4:03 p. m.	1.25	.06	.10	.15	.25	.28	.33	.49	.56	.68	.87	1.06	----	----	----
Apr. 11	8:12 a. m.	9:30 a. m.	1.34	8:16 a. m.	8:36 a. m.	.01	.59	.96	1.09	1.19	----	----	----	----	----	----	----	----	----	----
May 18	1:49 p. m.	3:43 p. m.	1.47	2:21 p. m.	3:10 p. m.	.01	.14	.25	.35	.42	.55	.75	.92	1.15	1.31	1.45	----	----	----	----
June 28	10:57 p. m.	[2]D. N. a. m.	1.62	11:14 p. m.	11:40 p. m.	.02	.21	.55	.94	1.27	1.43	1.45	----	----	----	----	----	----	----	----
July 4	5:10 a. m.	9:07 a. m.	2.00	5:22 a. m.	6:03 a. m.	.01	.21	.64	.98	1.25	1.33	1.41	1.55	1.71	1.76	----	----	----	----	----
Aug. 29	D. N. a. m.	12:56 p. m.	2.78	7:52 a. m.	8:26 a. m.	.12	.46	1.03	1.37	1.61	1.76	1.84	1.95	----	----	----	----	----	----	----
Sept. 4	4:46 a. m.	1:13 p. m.	4.51	4:54 a. m.	6:36 a. m.	.01	.14	.44	.60	.67	.71	.74	.80	.82	.83	.84	1.26	2.25	3.63	3.79
Groesbeck, Tex.:[5]																				
Apr. 11	3:55 p. m.	[2]D. N. a. m.	3.26	10:42 p. m.	11:03 p. m.	1.91	.32	.67	.88	1.01	1.06	----	----	----	----	----	----	----	----	----
Aug. 19	2:23 p. m.	4:20 p. m.	1.71	2:36 p. m.	3:18 p. m.	.02	.14	.46	.65	.77	.95	1.06	1.22	1.57	1.64	----	----	----	----	----
Houston, Tex.:[6]																				
Apr. 12	D. N. a. m.	1:15 p. m.	4.04	1:52 a. m.	2:42 a. m.	.11	.19	.29	.39	.51	.59	.70	.83	.96	1.06	1.13	----	----	----	----
June 28	9:48 p. m.	[2]12:15 a. m.	2.98	10:08 p. m.	11:24 p. m.	.01	.12	.39	.68	1.12	1.44	1.86	1.90	2.12	2.30	2.38	2.42	2.94	----	----
Aug. 20	1:39 p. m.	2:20 p. m.	1.66	1:47 p. m.	2:17 p. m.	.01	.08	.25	.59	1.05	1.42	1.65	----	----	----	----	----	----	----	----
Sept. 3	10:13 a. m.	3:50 p. m.	2.45	10:13 a. m.	11:49 a. m.	.00	.06	.16	.22	.52	.60	.63	.67	.70	.72	.73	.83	1.65	1.95	----
Sept. 7[4]	11:14 a. m.	1:09 p. m.	1.41	11:26 a. m.	11:55 a. m.	.03	.16	.50	.78	1.00	1.13	1.22	----	----	----	----	----	----	----	----
Oct. 9	D. N. a. m.	1:30 p. m.	1.07	11:34 a. m.	12:18 p. m.	.05	.09	.16	.19	.26	.34	.52	.69	.86	1.01	----	----	----	----	----
Dec. 10	12:25 p. m.	4:25 p. m.	4.41	1:39 p. m.	2:30 p. m.	.11	.07	.21	.44	.62	1.27	1.78	2.28	2.71	3.13	3.54	3.59	----	----	----
Dec. 20	7:49 p. m.	[2]2:30 a. m	2.22	8:56 p. m.	9:56 p. m.	.19	.16	.41	.64	.69	.71	.76	.94	1.10	1.28	1.39	1.58	----	----	----
Palestine, Tex.:[6]																				
Aug. 30	4:35 p. m.	6:37 p. m.	1.29	4:45 p. m.	5:28 p. m.	.01	.07	.16	.37	.72	.95	1.11	1.15	1.22	1.26	----	----	----	----	----
Sept. 17	2:10 p. m.	9:30 p. m.	1.75	2:43 p. m.	3:17 p. m.	.01	.18	.32	.51	.84	1.33	1.44	1.53	----	----	----	----	----	----	----
Port Arthur, Tex.:[6]																				
Mar. 15	12:15 p. m.	7:25 p. m.	1.35	6:07 p. m.	7:02 p. m.	.16	.07	.27	.41	.55	.61	.65	.70	.82	.94	1.04	1.19	----	----	----
Mar. 21	D. N. a. m.	4:45 p. m.	2.60	3:05 p. m.	4:35 p. m.	1.09	.09	.20	.25	.34	.38	.44	.52	.57	.66	.78	.93	1.34	1.51	----
May 18	7:40 a. m.	1:14 p. m.	5.37	9:20 a. m.	10:24 a. m.	.09	.30	.84	1.27	1.54	1.77	2.11	2.46	2.62	2.66	2.82	3.11	3.25	----	----
Do	7:40 a. m.	1:14 p. m.	5.37	11:02 a. m.	11:41 a. m.	3.43	.22	.66	1.14	1.28	1.61	1.75	1.80	1.86	----	----	----	----	----	----
July 9	10:46 a. m.	4:18 p. m.	1.49	11:22 a. m.	11:56 a. m.	.10	.17	.24	.32	.41	.77	1.13	1.24	----	----	----	----	----	----	----
Aug. 29	D. N. a. m.	1:48 p. m.	3.74	6:50 a. m.	7:39 a. m.	.10	.09	.20	.29	.42	.63	.76	.84	.94	1.17	1.31	----	----	----	----
Do	D. N. a. m.	1:48 p. m.	3.74	8:48 a. m.	9:10 a. m.	1.82	.37	.81	1.07	1.14	1.20	----	----	----	----	----	----	----	----	----
Aug. 30	[2]11:45 p. m.	7:28 a. m.	3.22	12:35 a. m.	1:08 a. m.	.07	.15	.26	.38	.50	.80	.94	1.05	----	----	----	----	----	----	----
Dec. 21	1:14 a. m.	7:48 a. m.	2.90	2:20 a. m.	3:15 a. m.	.06	.06	.26	.63	.75	1.07	1.52	1.80	2.05	2.21	2.30	2.40	----	----	----
Dec. 22	[3]8:10 p. m.	2:35 p. m.	3.61	3:25 a. m.	4:14 a. m.	.79	.14	.39	.47	.59	.80	.99	1.10	1.23	1.41	1.53	----	----	----	----
San Antonio, Tex.:[6]																				
July 21	6:20 a. m.	12:45 p. m.	1.67	6:52 a. m.	7:32 a. m.	.04	.05	.18	.48	.71	.86	.97	1.04	1.14	----	----	----	----	----	----
Aug. 27	4:04 p. m.	[3]6:15 a. m.	1.72	4:06 p. m.	4:51 p. m.	.01	.18	.29	.43	.63	.78	.88	.96	1.14	1.23	----	----	----	----	----
Taylor, Tex.:[6]																				
Apr. 11	2:50 p. m.	[2]D. N. a. m.	1.72	10:16 p. m.	10:45 p. m.	.14	.36	.61	.82	1.06	1.22	1.36	----	----	----	----	----	----	----	----
OHIO VALLEY AND TENNESSEE																				
Chattanooga, Tenn.:[6]																				
June 25	3:55 p. m.	5:35 p. m.	2.00	4:11 p. m.	4:56 p. m.	.02	.48	.95	1.16	1.36	1.50	1.62	1.73	1.80	1.86	----	----	----	----	----
July 8	1:03 p. m.	3:56 p. m.	1.10	1:12 p. m.	1:45 p. m.	.01	.08	.28	.57	.82	.94	1.00	1.05	----	----	----	----	----	----	----
Aug. 28	9:01 a. m.	5:47 p. m	1.90	9:06 a. m.	9:40 a. m.	.01	.28	.61	1.02	1.14	1.30	1.49	1.56	----	----	----	----	----	----	----
Knoxville, Tenn.:[6]																				
July 22	1:20 p. m.	2:56 p. m.	1.67	1:49 p. m.	2:32 p. m.	.01	.15	.27	.47	.79	1.07	1.42	1.49	1.60	1.66	----	----	----	----	----
Memphis, Tenn.:[6]																				
Sept. 7	11:01 a. m.	3:35 p. m.	1.45	11:13 a. m.	11:50 a. m.	.01	.16	.35	.47	.66	.86	1.02	1.14	1.21	----	----	----	----	----	----
Nashville, Tenn.:[6]																				
Aug. 5	D. N. a m	D. N. a. m.	1.25	12:59 a. m.	1:33 a. m.	.02	.07	.27	.50	.75	.89	1.03	1.08	----	----	----	----	----	----	----
Aug. 6	1:18 p. m.	8:00 p. m.	2.43	1:43 p. m.	2:45 p. m.	.01	.20	.30	.34	.37	.76	1.08	1.20	1.29	1.51	1.60	1.76	1.83	----	----
Aug. 8	9:50 p. m.	[2]D. N. a. m.	2.14	10:01 p. m.	11:49 p. m.	.01	.19	.35	.49	.62	.69	.72	.72	.74	.75	.76	.95	1.39	1.82	1.94
Lexington, Ky.:																				
Mar. 15–16	D. N. p. m.	D. N. a. m.	1.03	11:50 p. m.	12:05 a. m.	.22	.13	.25	.36	----	----	----	----	----	----	----	----	----	----	----
July 6	6:30 p. m.	[2]D. N. a. m.	.69	7:32 p. m.	7:46 p. m.	.01	.16	.37	.44	----	----	----	----	----	----	----	----	----	----	----
July 7	9:50 p. m.	[2]D. N. a. m.	1.14	9:55 p. m.	10:13 p. m.	.02	.21	.43	.76	.83	----	----	----	----	----	----	----	----	----	----
July 12[4]	2:32 p. m.	5:45 p. m.	.86	3:00 p. m.	3:20 p. m.	.29	.06	.16	.31	.41	----	----	----	----	----	----	----	----	----	----
July 24	12:40 p. m.	3:54 p. m	.66	3:26 p. m.	3:49 p. m	.09	.20	.39	.42	.51	.57	----	----	----	----	----	----	----	----	----
July 31	3:16 p. m.	4:05 p. m	.65	3:21 p. m.	3:38 p. m.	.01	.24	.49	.59	.62	----	----	----	----	----	----	----	----	----	----
Aug. 21	9:25 p. m.	[2]D. N. a. m.	1.47	9:30 p. m	9:52 p. m.	.02	.22	.31	.40	.57	.65	----	----	----	----	----	----	----	----	----
Aug. 26	D. N. a. m.	D. N. a. m.	.90	4:10 a. m.	4:30 a. m.	.22	.19	.23	.44	.60	----	----	----	----	----	----	----	----	----	----

[2] On following date.
[3] On previous date.
[4] Defective record.
[5] Only storms at the rate of 1 inch or more in 1 hour or less.

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 1923 at all stations furnished with self-registering gauges—Continued

Station and date	Total duration		Total amount of precipitation	Excessive rate		Amount before excessive rate began	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.																				
Louisville, Ky.:																				
May 15	[3] 7:30 p. m	7:10 a. m.	1.29	12:12 a. m.	1:02 a. m.	0.01	0.15	0.15	0.25	0.33	0.40	0.46	0.51	0.57	0.65	0.73				
June 5	1:25 p. m.	3:20 p. m.	1.41	1:29 p. m.	1:37 p. m.	.01	.41	.52												
Do	1:25 p. m.	3:20 p. m.	1.41	2:09 p. m.	2:29 p. m.	.05	.27	.50	.52	.55										
June 6	2:12 p. m.	4:10 p. m.	.78	3:21 p. m.	3:34 p. m.	.13	.30	.54	.60											
July 12	3:35 p. m.	4:20 p. m.	.53	3:47 p. m.	4:03 p. m.	.05	.19	.29	.45	.47										
July 16	2:40 p. m.	8:00 p. m.	1.22	3:41 p. m.	4:04 p. m.	.13	.18	.40	.60	.66	.69									
Sept. 4	1:40 p. m.	6:30 p. m.	1.23	1:45 p. m.	2:45 p. m.	.03	.06	.17	.30	.49	.72	.93	1.16	1.41	1.55	1.61	1.83			
Evansville, Ind.:																				
Feb. 2	D. N. a. m.	5:25 a. m.	1.20	3:28 a. m.	4:19 a. m.	.23	.04	.19	.22	.25	.34	.43	.52	.60	.68	.73	.80			
Apr. 13	11:50 a. m.	3:00 p. m.	1.26	1:14 p. m.	1:38 p. m.	.16	.12	.51	.62	.83	.89									
May 14	5:00 p. m.	[2] 1:15 p. m.	2.60	9:51 p. m.	10:04 p. m.	.23	.17	.36	.43											
May 15	[3] 5:00 p. m.	1:15 p. m.	2.60	2:12 a. m.	2:40 a. m.	1.45	.21	.31	.37	.52	.66	.83								
May 31	4:00 p. m.	7:03 p. m.	.43	4:05 p. m.	4:13 p. m.	.01	.31	.36												
June 10	8:50 p. m.	[2] 7:15 a. m	1.12	11:15 p. m.	11:40 p. m.	.29	.13	.24	.26	.33	.52									
June 27	7:46 a. m.	9:50 a. m.	.93	7:51 a. m.	8:24 a. m	.01	.10	.25	.49	.58	.64	.72	.80							
July 12	2:50 p. m.	4:15 p. m.	.35	3:07 p. m.	3:17 p. m.	.01	.18	.31												
Aug. 9	4:05 p. m.	4:50 p. m.	.76	4:08 p. m	4:36 p. m.	.01	.14	.21	.37	.49	.67	.75								
Indianapolis, Ind.:																				
May 11	8:48 p. m.	[2] 5:15 a. m.	1.62	11:04 p. m.	11:29 p. m.	.31	.15	.21	.25	.44	.55									
June 24	5:28 p. m.	8:19 p. m.	.47	5:35 p. m.	5:49 p. m	.01	.09	.31	.37											
Aug. 3	12:22 p. m	3:25 p. m.	.74	1:35 p. m.	1:46 p. m.	.01	.34	.47	.48											
Aug. 21	2:01 p. m.	2:57 p. m.	.90	2:16 p. m.	2:38 p. m.	.06	.18	.41	.70	.82	.84									
Aug. 27	5:06 p. m.	6:40 p. m.	1.05	5:22 p. m.	5:45 p. m.	.05	.21	.58	.80	.86	.93									
Sept. 3	[3] 11:32 p. m.	9:22 a. m.	2.33	4:12 a. m.	5:02 a. m	.68	.13	.19	.23	.29	.48	.54	.68	.71	1.00	1.07				
Royal Center, Ind.:																				
June 26	1:02 a. m.	4:00 a. m	.80	1:08 a. m.	1:32 a. m.	.02	.06	.11	.35	.50	.59									
July 7	5:40 a. m.	8:10 a. m.	.78	5:47 a. m	5:55 a. m	.03	.28	.47												
July 15	1:46 p. m.	2:17 p. m.	.37	1:51 p. m.	2:02 p. m.	.01	.18	.34	.36											
Aug. 4	6:35 p. m.	D. N. p. m.	1.83	7:08 p. m.	7:40 p. m.	.02	.17	.38	.67	1.01	1.43	1.56	1.62							
Aug. 7	6:34 p. m	[2] D. N. a. m.	1.05	6:36 p. m.	6:50 p. m.	.01	.21	.43	.48											
Aug. 11	5:32 a. m.	9:25 a. m.	.69	8:04 a. m.	8:18 a. m.	.01	.10	.18	.37											
Terre Haute, Ind.:																				
May 14	12:30 p. m.	[2] D. N. a. m.	2.98	9:21 p. m.	11:03 p. m.	.53	.08	.21	.29	.39	.45	.49	.53	.57	.63	.67	.86	1.49	1.82	1.92
May 27	5:40 p. m.	7:22 p. m.	.41	6:09 p. m.	6:24 p. m.	.01	.07	.21	.37											
Aug. 4	6:18 p. m.	D. N. p. m.	1.49	6:20 p. m.	6:42 p. m.	.01	.39	.81	1.13	1.27	1.31									
Aug. 7 [4]	7:18 p. m.	8:35 p. m.	1.43	7:22 p. m	7:48 p. m.	.02	.16	.36	.70	1.07	1.35	1.38								
Aug. 9	9:18 a. m.	1:05 p. m.	1.07	9:49 a. m.	10:14 a. m	.14	.22	.31	.41	.58	.69									
Sept. 4	2:22 p. m.	3:16 p. m.	.64	2:26 p. m.	2:54 p. m.	.02	.11	.23	.33	.43	.52	.60								
Oct. 18	4:25 p. m.	D. N. p. m.	1.16	4:40 p. m.	5:20 p. m.	.04	.09	.16	.17	.23	.41	.48	.56	.62						
Cincinnati, Ohio:																				
May 15	1:10 a. m.	6:50 a. m.	1.00	6:26 a. m.	6:31 a. m.	.09	.11	.30	.31											
June 24	6:49 p. m.	D. N. p. m.	.75	7:09 p. m.	7:24 p. m.	.02	.24	.47	.55											
July 6	6:21 p. m.	9:00 p. m.	1.29	6:29 p. m.	7:00 p. m.	.01	.29	.53	.64	.79	.92	1.07	1.09							
Aug. 21	5:22 p. m.	D. N. p. m.	1.74	5:28 p. m.	6:09 p. m.	.01	.16	.42	.60	.70	.77	.85	.92	.98	1.04					
Sept. 27	5:25 p. m.	6:30 p. m.	.36	5:39 p. m.	5:46 p. m.	.02	.20	.33												
Dec. 31	[3] 10:10 p. m.	D. N. a. m.	1.03	12:55 a. m.	1:37 a. m.	.29	.05	.10	.15	.22	.34	.42	.59	.70	.74					
Columbus, Ohio:																				
June 5	3:52 p. m.	6:08 p. m.	.83	3:52 p. m.	4:17 p. m.	.00	.15	.29	.53	.68	.76									
June 6	8:38 p. m.	[2] D. N. a. m.	1.07	10:30 p. m.	10:50 p. m.	.43	.18	.30	.35	.43										
June 15	1:04 p. m.	3:55 p. m.	.60	1:12 p. m.	1:26 p. m.	.01	.21	.33	.40											
June 23	3:13 p. m.	3:55 p. m.	.45	3:24 p. m.	3:38 p. m.	.01	.16	.30	.41											
June 24	5:12 p. m.	7:15 p. m.	.89	5:29 p. m.	5:59 p. m.	.01	.08	.19	.33	.54	.69	.78								
July 6	12:52 p. m.	2:30 p. m.	.80	1:01 p. m.	1:22 p. m.	.01	.06	.25	.45	.69	.76									
Aug. 10	6:05 a. m.	9:05 a. m.	1.32	6:47 a. m.	7:40 a. m.	.03	.06	.16	.27	.35	.46	.56	.62	.79	.97	1.09	1.15			
Sept. 4-5	11:10 p. m.	D. N. a. m.	1.10	11:37 p. m.	12:06 a. m.	.14	.15	.20	.23	.39	.53	.64								
Sept. 6	2:32 p. m.	2:40 p. m.	.28	2:32 p. m.	2:36 p. m.	.00	.28													
Dayton, Ohio:																				
May 15	5:30 a. m.	7:20 a. m.	.59	5:50 a. m.	6:00 a. m.	.07	.22	.36												
June 6	5:02 p. m.	8:12 p. m.	.83	5:06 p. m.	5:19 p. m.	.01	.06	.26	.48											
Aug. 2	11:46 a. m.	12:30 p. m.	.47	11:46 a. m.	12:02 p. m.	.00	.12	.30	.38	.42										
Sept. 20	3:35 p. m.	4:02 p. m.	1.08	3:35 p. m.	3:59 p. m.	.00	.05	.22	.63	.97	1.07									
Sept. 27	4:32 p. m.	5:20 p. m.	.59	4:38 p. m.	4:52 p. m.	.01	.18	.41	.55											
Elkins, W. Va.:																				
June 26	7:54 p. m.	D. N. p. m.	.83	9:32 p. m.	9:46 p. m.	.41	.05	.30	.42											
July 22	11:55 a. m.	2:35 p. m.	1.34	1:42 p. m.	2:06 p. m.	.21	.09	.39	.59	.86	1.10									
Aug. 8	2:13 p. m.	5:00 p. m.	.69	2:16 p. m.	2:28 p. m.	.01	.18	.47	.54											
Parkersburg, W. Va.:																				
June 24	8:50 p. m.	9:48 p. m.	.43	8:56 p. m.	9:11 p. m.	.01	.11	.28	.36											
June 26	7:10 p. m.	7:45 p. m.	.75	7:10 p. m.	7:37 p. m.	.00	.16	.22	.33	.41	.63	.74								
June 28	3:42 p. m.	6:22 p. m.	1.77	3:42 p. m.	4:4 p. m.	.00	.17	.41	.58	.88	1.08	1.15	1.21	1.25	1.31	1.41	1.63			
July 7	5:30 p. m.	8:03 p. m.	.84	5:35 p. m.	6:03 p. m.	.01	.25	.47	.54	.61	.67	.70								
July 12	6:13 p. m.	8:05 p. m.	.76	6:13 p. m.	6:30 p. m.	.00	.21	.51	.60	.64										
July 27	8:12 p. m.	[2] 7:00 a. m.	1.40	8:27 p. m.	8:43 p. m.	.04	.05	.39	.56	.58										
Aug. 3	1:13 p. m.	1:40 p. m.	.92	1:13 p. m.	1:30 p. m.	.00	.33	.61	.84	.92										
Aug. 4	D. N. a. m.	6:30 a. m.	1.32	5:31 a. m.	6:13 a. m.	.19	.23	.48	.55	.57	.59	.73	.86	1.08	1.12					
Aug. 5	12:19 p. m.	1:30 p. m.	.80	12:24 p. m.	12:53 p. m.	.01	.12	.34	.48	.58	.67	.71								
Aug. 8	12:00 noon.	12:37 p. m.	1.15	12:08 p. m.	12:36 p. m.	.01	.14	.31	.55	.81	1.06	1.14								
Sept. 19	1:31 a. m.	8:35 a. m.	1.16	1:59 a. m.	2:54 a. m.	.10	.06	.16	.22	.36	.46	.56	.61	.67	.72	.76	.84			
Dec. 31	[3] 11:15 p. m.	8:13 a. m.	1.52	4:04 a. m.	4:47 a. m.	.62	.10	.26	.40	.45	.47	.56	.60	.66	.69					

[2] On following date. [3] On previous date. [4] Defective record.

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 1923 at all stations furnished with self-registering gauges—Continued

Station and date	Total duration		Total amount of precipitation	Excessive rate		Amount before excessive rate began	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.																				
Pittsburgh, Pa.:																				
June 19	2:27 p. m.	4:00 p. m.	1.07	2:52 p. m.	3:32 p. m.	0.05	0.10	0.16	0.22	0.36	0.43	0.74	0.87	0.97						
July 6	11:40 a. m.	12:35 p. m.	.49	11:47 a. m.	12:02 p. m.	.01	.15	.25	.39											
July 10	5:40 p. m.	8:20 p. m.	1.39	6:42 p. m.	7:05 p. m.	.01	.33	.68	1.01	1.21	1.29									
July 15	7:32 p. m.	8:15 p. m.	.50	7:44 p. m.	7:59 p. m.	.05	.20	.36	.44											
July 28	[1]10:00 p. m.	6:40 a. m.	1.95	1:00 a. m.	1:58 a. m.	.47	.07	.18	.26	.44	.57	.60	.70	.88	0.98	1.13	1.25			
Do	6:30 p. m.	8:15 p. m.	1.09	6:48 p. m.	7:26 p. m.	.09	.09	.19	.33	.46	.70	.83	.90	.95						
Aug. 3	10:20 a. m.	11:12 a. m.	.63	10:35 a. m.	11:00 a. m.	.01	.05	.16	.34	.56	.61									
Aug. 21	7:57 p. m.	8:25 p. m.	.47	8:02 p. m.	8:12 p. m.	.01	.26	.46												
Aug. 27	2:55 p. m.	8:40 p. m.	.87	3:45 p. m.	3:54 p. m.	.04	.20	.36												
Aug. 28	11:08 a. m.	11:33 a. m.	1.11	11:08 a. m.	11:30 a. m.	.00	.39	.63	.89	1.06	1.11									
LOWER LAKE REGION																				
Buffalo, N. Y.:																				
June 6	8:56 a. m.	11:30 a. m.	1.35	9:31 a. m.	10:49 a. m.	.16	.13	.14	.15	.20	.26	.32	.38	.46	.52	.57	.90	1.16		
Canton, N. Y.:																				
Sept. 9	5:48 p. m.	D. N. p. m.	.62	6:00 p. m.	6:11 p. m.	T.	.15	.30	.32											
Oswego, N. Y.[4]																				
Rochester, N. Y.:																				
June 3	7:50 a. m.	8:40 a. m.	.60	7:54 a. m.	8:20 a. m.	.01	.27	.34	.42	.44	.53	.56								
July 3	6:32 p. m.	7:45 p. m.	.75	6:39 p. m.	6:52 p. m.	.01	.32	.62	.66											
Sept. 27	6:40 a. m.	7:24 a. m.	.86	7:04 a. m.	7:23 a. m.	.01	.13	.52	.81	.85										
Syracuse, N. Y.:																				
Sept. 21	6:50 p. m.	8:30 p. m.	.53	7:17 p. m.	7:32 p. m.	.08	.14	.27	.36											
Erie, Pa.:																				
Sept. 7	11:25 p.m.	D. N. a. m.	.78	11:44 p.m.	12 midnt.	.03	.11	.24	.38	.41										
Cleveland, Ohio:																				
Aug. 28	3:00 a. m.	7:06 a. m.	1.15	5:32 a. m.	5:49 a. m.	.47	.16	.41	.54	.57										
Sept. 9	12:25 a. m.	4:00 a. m.	.63	12:28 a. m.	12:40 a. m.	.01	.23	.33	.39											
Sandusky, Ohio[1]																				
Toledo, Ohio:																				
June 7	3:38 p. m.	4:11 p. m.	.85	3:49 p. m.	4:04 p. m.	.04	.13	.60	.80											
June 22	12:46 p. m.	1:32 p. m.	.70	12:50 p. m.	1:20 p. m.	.01	.10	.18	.31	.49	.62	.67								
July 2	5:35 p. m.	6:05 p. m.	.28	5:37 p. m.	5:42 p. m	.01	.25													
July 10	4:12 p. m.	5:25 p. m.	.44	4:18 p. m.	4:35 p. m.	.01	.07	.29	.39	.42										
Aug. 12	12:06 a. m.	D. N. a. m.	.57	12:35 a. m.	12:50 a. m.	.01	.25	.38	.45											
Aug. 29	4:39 p. m.	6:20 p. m.	.71	4:53 p. m.	5:10 p. m.	.04	.23	.49	.61	.64										
Sept. 6	4:32 p. m.	5:25 p. m.	.45	4:42 p. m.	4:59 p. m.	.01	.06	.27	.40	.44										
Fort Wayne, Ind.:																				
July 7	2:12 p. m.	4:00 p. m.	1.07	3:00 p. m.	3:26 p. m.	.05	.10	.25	.60	.83	.99	1.02								
July 11	11:55 a. m.	1:10 p. m.	.60	11:55 a. m.	12:18 p. m.	.00	.09	.11	.28	.53	.60									
Aug. 3	4:41 a. m.	7:12 a. m.	.89	4:46 a. m.	5:00 a. m.	.01	.13	.32	.42											
Aug. 4	9:40 p. m.	11:36 p. m.	1.01	9:59 p. m.	10:22 p. m.	T.	.23	.52	.77	.97	1.00									
Aug. 12	3:30 a. m.	4:29 a. m.	.52	3:33 a. m.	3:50 a. m.	T.	.21	.38	.46	.50										
Detroit, Mich.:																				
May 20	12:15 a. m.	D. N. a. m.	1.42	1:25 a. m.	1:33 a. m.	.16	.16	.35												
Do	12:15 a. m.	D. N. a. m.	1.42	2:23 a. m.	2:40 a. m.	.75	.16	.28	.40	.44										
June 7	3:10 p. m.	4:15 p. m.	.39	3:43 p. m.	3:51 p. m.	.04	.20	.34												
June 22	2:14 p. m.	5:15 p. m.	.86	2:16 p. m.	2:36 p. m.	.01	.08	.33	.53	.61										
July 6	1:45 p. m.	2:05 p. m.	.43	1:45 p. m.	1:56 p. m.	.00	.08	.41	.43											
July 10	1:47 p. m.	3:05 p. m.	1.02	1:47 p. m.	2:13 p. m.	.00	.10	.30	.32	.61	.95	.98								
Aug. 7	7:45 p. m.	9:30 p. m.	.88	7:53 p. m.	8:23 p. m.	.01	.07	.14	.16	.27	.56	.74								
Aug. 12	12:40 a. m.	D. N. a. m.	.39	1:03 a. m.	1:08 a. m.	.01	.26													
UPPER LAKE REGION																				
Alpena, Mich.:																				
June 3	5:45 a. m.	8:15 a. m.	1.25	6:35 a. m.	6:56 a. m.	.02	.18	.62	.93	1.00	1.04									
June 7	1:15 p. m.	5:15 p. m.	.88	3:27 p. m.	3:50 p. m.	.28	.15	.31	.45	.52	.58									
July 30	12:30 p. m.	4:40 p. m.	1.91	12:41 p. m.	1:31 p. m.	.01	.42	.57	.78	.91	1.09	1.33	1.52	1.59	1.64	1.70				
Escanaba, Mich.:																				
June 4	4:35 p. m.	D. N. p. m.	1.53	4:43 p. m.	5:27 p. m.	.01	.21	.40	.45	.45	.45	.47	.54	.87	.98					
July 7	[2]8:00 p. m.	8:05 a. m.	1.03	2:58 a. m.	3:24 a. m.	.24	.16	.28	.40	.52	.59	.63								
July 10	12 midnt.	6:25 a. m.	.93	12:36 a. m.	1:06 a. m.	.09	.13	.23	.32	.55	.72	.76								
July 29	3:54 p. m.	7:25 p. m.	.90	3:55 p. m.	4:05 p. m.	.01	.19	.45												
Grand Haven, Mich.:																				
June 19	D. N. a. m.	8:35 a. m.	1.57	7:02 a. m.	7:36 a. m.	.36	.08	.12	.35	.52	.78	.94	1.06							
July 6	5:00 a. m.	5:45 a. m.	.36	5:10 a. m.	5:18 a. m.	.02	.20	.33												
Aug. 21	[3]D. N. p. m.	9:12 a. m.	1.65	2:30 a. m.	3:10 a. m.	.29	.06	.19	.43	.65	.72	.77	.83	1.02						
Grand Rapids, Mich.:																				
Sept. 2	1:26 p. m.	2:40 p. m.	.45	2:27 p. m.	2:33 p. m.	.16	.25	.29												
Houghton, Mich.:																				
July 9	4:36 a. m.	8:20 a. m.	.73	4:36 a. m.	4:51 a. m.	.00	.21	.41	.53											
Aug. 13	10:28 p. m.	D. N. p. m.	.43	10:28 p. m.	10:38 p. m.	.00	.10	.32												
Sept. 6	12:53 p. m.	[2]5:20 a. m.	1.82	1:02 p. m.	1:25 p. m.	T.	.15	.52	.71	.83	1.01									
Lansing, Mich.:																				
July 7	9:00 a. m.	2:30 p. m.	2.33	9:12 a. m.	10:07 a. m.	.01	.05	.16	.36	.41	.45	.63	.96	1.33	1.65	1.92	2.06			
Sept. 6	1:08 p. m.	2:10 p. m.	.50	1:36 p. m.	1:50 p. m.	.07	.07	.28	.42											
Ludington, Mich.:																				
May 19	5:35 p. m.	[3]D. N. a. m.	1.50	6:30 p. m.	6:55 p. m.	.17	.12	.27	.43	.59	.64									
Aug. 21	D. N. a. m.	11:20 a. m.	1.41	1:18 a. m.	1:38 a. m.	.07	.25	.47	.72	.79										
Sept. 20	2:15 p. m.	3:50 p. m.	.55	2:31 p. m.	2:48 p. m.	.04	.15	.38	.43	.45										

[1] No excessive precipitation [2] On following date. [3] On previous date. [4] Record not available.

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 1928 at all stations furnished with self-registering gauges—Continued

Station and date	Total duration		Total amount of precipitation	Excessive rate		Amount before excessive rate began	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—continued																				
Marquette, Mich.:																				
July 9	6:20 a. m.	9:52 a. m.	0.53	8:02 a. m.	8:10 a. m.	0.13	0.31	0.38												
Port Huron, Mich.:																				
July 10	12:55 a. m.	1:30 a. m.	.39	1:10 a. m.	1:21 a. m.	.05	.10	.33	0.34											
Sept. 20	9:22 p. m.	[2] D. N. a. m.	1.96	9:26 p. m.	10:13 p. m.	.01	.19	.33	.51	0.72	0.86	1.06	1.30	1.64	1.75	1.78				
Saginaw, Mich.:																				
July 5	11:09 a. m.	12:13 p. m.	.87	11:13 a. m.	12:02 p. m.	.02	.07	.21	.26	.48	.48	.49	.50	.53	.66	.81				
Do	2:25 p. m.	5:12 p. m.	1.30	4:41 p. m.	5:00 p. m.	.08	.18	.49	1.11	1.22										
July 6	D. N. a. m.	5:18 a. m.	.85	4:16 a. m.	4:26 a. m.	.30	.22	.40												
Aug. 27	4:32 p. m.	D. N. p. m.	1.16	8:19 p. m.	8:29 p. m.	.59	.19	.32												
Sept. 6	2:56 p. m.	7:16 p. m.	.91	3:31 p. m.	3:38 p. m.	.01	.26	.29												
Sault Ste. Marie, Mich.:																				
June 4	6:15 p. m.	[2] D. N. a. m.	.73	10:08 p. m.	10:23 p. m.	.24	.10	.28	.40											
July 26	4:00 p. m.	11:30 p. m.	1.30	9:06 p. m.	9:22 p. m.	.60	.10	.23	.35	.41										
July 30	11:10 a. m.	1:05 p. m.	.84	11:13 a. m.	11:32 a. m.	.01	.09	.37	.60	.66										
Sept. 7	6:30 a. m.	9:55 a. m.	.91	7:03 a. m.	7:19 a. m.	.21	.08	.25	.35	.38										
Chicago University, Ill.:																				
May 15	10:26 a. m.	3:56 p. m.	1.51	1:28 p. m.	1:58 p. m.	.61	.20	.21	.37	.51	.58	.69								
July 6	2:07 p. m.	2:51 p. m.	.59	2:16 p. m.	2:31 p. m.	.01	.29	.45	.52											
Aug. 6	5:52 a. m.	7:08 a. m.	.64	6:14 a. m.	6:31 a. m.	.09	.09	.27	.44	.49										
Aug. 11	8:20 p. m.	[3] 12:35 a. m.	1.18	9:00 p. m.	9:27 p. m.	.01	.17	.37	.43	.59	.78	.87								
Aug. 27	[3] 11:29 p. m.	2:12 a. m.	.87	1:38 a. m.	2:02 a. m.	.18	.11	.17	.40	.61	.68									
Green Bay, Wis.:																				
June 2	5:18 p. m.	8:20 p. m.	.73	5:34 p. m.	5:44 p. m.	.10	.21	.42												
July 10	4:45 a. m.	6:40 a. m.	.53	5:02 a. m.	5:11 a. m.	.01	.25	.38												
July 14	4:40 p. m.	5:30 p. m.	.35	4:46 p. m.	4:55 p. m.	T.	.25	.32												
July 15	2:45 p. m.	3:20 p. m.	.43	2:49 p. m.	3:01 p. m.	.01	.18	.40	.41											
Milwaukee, Wis.:																				
June 18-19	11:20 p. m.	D. N. a. m.	.65	11:42 p. m.	12:07 a. m.	.09	.16	.21	.24	.30	.48									
July 3	1:00 a. m.	7:55 a. m.	.63	1:12 a. m.	1:36 a. m.	.04	.22	.27	.29	.40	.47									
Aug. 29	3:27 p. m.	4:05 p. m.	.48	3:33 p. m.	3:46 p. m.	.01	.27	.34	.39											
Sept. 20	10:40 a. m.	1:20 p. m.	1.83	11:02 a. m.	12:22 p. m.	.10	.14	.22	.23	.25	.31	.38	.54	.62	.65	.85	1.22	1.63		
Duluth, Minn.:																				
June 19	2:43 p. m.	3:10 p. m.	.53	2:46 p. m.	2:58 p. m.	.01	.32	.48	.52											
June 21	5:45 p. m.	D. N. p. m.	.67	8:31 p. m.	8:42 p. m.	.25	.15	.30	.38											
July 1	1:20 p. m.	3:52 p. m.	.75	1:34 p. m.	1:59 p. m.	.02	.09	.18	.25	.42	.51									
July 9	1:52 p. m.	2:20 p. m.	.63	1:54 p. m.	2:06 p. m.	.01	.41	.57	.61											
Do	6:35 p. m.	D. N. p. m.	.67	6:43 p. m.	6:54 p. m.	.01	.19	.34	.36											
July 22	10:15 p. m.	[2] 8:00 a. m.	1.05	10:41 p. m.	10:55 p. m.	.03	.14	.26	.35											
Aug. 9	7:51 p. m.	8:15 p. m.	.42	7:51 p. m.	7:59 p. m.	.00	.24	.42												
NORTH DAKOTA																				
Moorhead, Minn.:																				
May 28	5:20 p. m.	D. N. p. m.	.64	6:36 p. m.	6:45 p. m.	.15	.21	.39												
June 20	3:25 a. m.	3:45 a. m.	.37	3:27 a. m.	3:35 a. m.	.01	.26	.35												
Do	9:05 p. m.	[2] D. N. a. m.	3.27	9:58 p. m.	11:18 p. m.	.05	.05	.11	.22	.44	.69	.78	.82	.94	1.06	1.15	1.59	1.98		
June 20-21	9:05 p. m.	D. N. a. m.	3.27	11:51 p. m.	1:26 a. m.	2.11	.26	.55	.78	.82	.85	.98	1.13							
June 25	D. N. a. m.	D. N. a. m.	.47	3:02 a. m.	3:17 a. m.	.02	.22	.33	.39											
July 6	D. N. a. m.	6:50 a. m.	.82	1:25 a. m.	1:35 a. m.	.03	.23	.33												
Aug. 5	8:05 p. m.	D. N. p. m.	1.40	10:07 p. m.	10:55 p. m.	.25	.09	.22	.30	.40	.44	.61	.68	.83	.98	1.07				
Aug. 26	4:50 p. m.	5:35 p. m.	.42	4:57 p. m.	5:12 p. m.	.01	.18	.29	.39											
Bismarck, N. Dak.:																				
July 18	6:01 p. m.	8:00 p. m.	.98	6:28 p. m.	6:53 p. m.	.01	.09	.16	.38	.64	.72									
July 19	7:15 p. m.	[2] D. N. a. m.	.95	7:18 p. m.	7:38 p. m.	.01	.10	.27	.48	.55										
Devils Lake, N. Dak.:																				
July 5	10:04 p. m.	10:40 p. m.	.42	10:08 p. m.	10:24 p. m.	.01	.10	.23	.36	.40										
Aug. 26	1:15 p. m.	4:05 p. m.	.64	1:21 p. m.	1:40 p. m.	.02	.11	.31	.43	.51										
Ellendale, N. Dak.:																				
June 14	4:40 p. m.	6:35 p. m.	1.26	5:04 p. m.	5:35 p. m.	.01	.11	.23	.43	.70	.96	1.16	1.20							
June 20	8:11 p. m.	[2] D. N. a. m.	2.64	9:29 p. m.	9:59 p. m.	.17	.16	.44	.63	1.01	1.24	1.33								
Do	8:11 p. m.	[2] D. N. a. m.	2.64	10:38 p. m.	11:13 p. m.	1.68	.06	.24	.35	.46	.53	.58	.64							
June 25	D. N. a. m.	D. N. a. m.	.51	2:04 a. m.	2:24 a. m.	.01	.12	.23	.40	.47										
July 5	10:25 p. m.	[2] D. N. a. m.	1.07	10:48 p. m.	11:02 p. m.	.04	.12	.31	.40											
Williston, N. Dak.:																				
June 1	12:02 a. m.	2:00 a. m.	1.64	12:52 a. m.	1:42 a. m.	.26	.10	.23	.44	.53	.66	.84	.93	.99	1.14	1.31				
June 8	10:12 p. m.	11:10 p. m.	1.10	10:27 p. m.	10:49 p. m.	.05	.25	.75	.91	.97	1.02									
June 25	12:53 a. m.	6:17 a. m.	1.24	12:55 a. m.	1:01 a. m.	.01	.52	.54												
Do	12:53 a. m.	6:17 a. m.	1.24	2:56 a. m.	3:08 a. m.	.59	.24	.39	.44											
UPPER MISSISSIPPI VALLEY																				
Minneapolis, Minn.:																				
June 19	1:05 a. m.	2:35 a. m.	.59	1:12 a. m.	1:32 a. m.	.01	.08	.19	.33	.47										
June 25	1:25 a. m.	6:15 a. m.	1.84	1:30 a. m.	1:41 a. m.	.01	.34	.48	.50											
Do	1:25 a. m.	6:15 a. m.	1.84	2:19 a. m.	2:48 a. m.	.52	.21	.42	.64	.72	.75	.81								
July 28	10:00 p. m.	[2] D. N. a. m.	.90	10:44 p. m.	11:06 p. m.	.15	.25	.39	.44	.53	.58									

[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 1923 at all stations furnished with self-registering gauges—Continued

Station and date	Total duration		Total amount of precipitation	Excessive rate		Amount before excessive rate began	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—con.																				
St. Paul, Minn.:																				
June 25	1:40 a. m.	6:30 a. m.	1.96	1:40 a. m.	1:48 a. m.	0.00	0.31	0.37												
Do	1:40 a. m.	6:30 a. m.	1.96	2:37 a. m.	3:07 a. m.	.43	.21	.44	0.54	0.58	0.64	0.73								
July 29	9:35 p. m.	11:30 p. m.	.64	9:37 p. m.	9:52 p. m.	.01	.11	.35	.45											
Oct. 17	1:04 a. m.	1:30 a. m.	.66	1:04 a. m.	1:26 a. m.	.00	.08	.25	.43	.61	.65									
La Crosse, Wis.:																				
May 19	11:36 a. m.	12:30 p. m.	.60	11:46 a. m.	12 noon	.02	.12	.37	.54											
June 25	4:10 p. m.	4:55 p. m.	1.33	4:23 p. m.	4:48 p. m.	.08	.14	.50	.82	1.07	1.21									
Madison, Wis.:																				
May 19	1:55 p. m.	2:40 p. m.	.49	2:27 p. m.	2:40 p. m.	.03	.16	.41	.46											
Do	7:42 p. m.	9:10 p. m.	.47	8:09 p. m.	8:24 p. m.	.02	.15	.37	.44											
June 2	2:17 p. m.	4:10 p. m.	.65	2:17 p. m.	2:34 p. m.	.00	.21	.43	.59	.62										
June 6	6:37 p. m.	7:35 p. m.	.36	6:43 p. m.	6:48 p. m.	.01	.27													
July 10	7:05 p. m.	D. N. p. m.	.67	7:14 p. m.	7:21 p. m.	.01	.32	.41												
Aug. 1	3:26 p. m.	7:07 p. m.	.92	3:57 p. m.	4:33 p. m.	.11	.13	.29	.32	.36	.37	.46	0.62	0.66						
Aug. 10	10:30 p. m.	[3] 1:00 a. m.	.91	10:57 p. m.	11:31 p. m.	.05	.24	.32	.35	.37	.38	.44	.58							
Aug. 20	7:52 p. m.	8:15 p. m.	.29	7:54 p. m.	8:00 p. m.	.01	.26	.28												
Sept. 20	[3] 7:30 p. m.	8:45 p. m.	2.86	8:51 a. m.	9:17 a. m.	.61	.24	.61	.88	1.08	1.22	1.25								
Wausau, Wis.:																				
June 2	2:44 p. m.	3:42 p. m.	1.08	2:45 p. m.	3:28 p. m.	T.	.22	.41	.52	.66	.79	.87	.95	1.03	1.07					
Charles City, Iowa:																				
May 29	3:10 p. m.	4:00 p. m.	.46	3:18 p. m.	3:33 p. m.	.01	.18	.33	.40											
June 18	1:20 a. m.	4:40 a. m.	.80	1:27 a. m.	1:49 a. m.	.05	.10	.19	.38	.51	.57									
June 19	3:07 p. m.	4:15 p. m.	.76	3:11 p. m.	3:28 p. m.	.01	.21	.42	.61	.66										
July 7	6:18 p. m.	6:55 p. m.	.51	6:25 p. m.	6:41 p. m.	.03	.10	.26	.42	.47										
July 10	4:37 p. m.	6:10 p. m.	.96	4:39 p. m.	4:59 p. m.	.01	.11	.23	.42	.70										
Aug. 3	9:38 p. m.	10:10 p. m.	.93	9:41 p. m.	9:52 p. m.	.01	.45	.87	.92											
Sept. 1	10:25 a. m.	7:10 p. m.	2.18	3:07 p. m.	4:02 p. m.	.65	.13	.28	.47	.57	.64	.70	.80	.91	1.00	1.14	1.31			
Davenport, Iowa:																				
May 19	8:09 p. m.	8:50 p. m.	.60	8:12 p. m.	8:26 p. m.	.01	.22	.44	.56											
June 6	2:48 p. m.	3:35 p. m.	1.23	2:48 p. m.	3:19 p. m.	.00	.30	.70	.93	1.04	1.12	1.19	1.23							
June 25	9:10 p. m.	11:00 p. m.	.64	9:21 p. m.	9:42 p. m.	.03	.19	.33	.40	.55	.58									
June 28	[3] 6:40 p. m.	4:30 a. m.	1.31	2:13 a. m.	2:29 a. m.	.61	.15	.28	.47	.51										
Sept. 1	6:26 a. m.	11:15 a. m.	.73	6:26 a. m.	6:47 a. m.	.00	.21	.36	.43	.51	.54									
Sept. 6	3:20 p. m.	4:45 p. m.	.72	3:28 p. m.	3:46 p. m.	.04	.14	.52	.62	.65										
Des Moines, Iowa:																				
May 11	8:42 a. m.	1:50 p. m.	2.63	10:14 a. m.	10:54 a. m.	.51	.13	.21	.27	.38	.43	.48	.51	.60						
Do	8:42 a. m.	1:50 p. m.	2.63	11:42 a. m.	12:17 p. m.	1.37	.07	.32	.48	.67	.82	.91	.99							
June 5	8:35 p. m.	9:10 p. m.	.58	8:42 p. m.	9:00 p. m.	.01	.20	.39	.52	.57										
Aug. 4	10:15 a. m.	1:30 p. m.	1.53	11:08 a. m.	11:48 a. m.	.05	.05	.13	.34	.63	.86	1.13	1.30	1.35						
Aug. 26	D. N. p. m.	[2] D. N. a. m.	.74	11:07 p. m.	11:20 p. m.	.10	.10	.32	.40											
Sept. 29	4:05 p. m.	4:40 p. m.	.52	4:17 p. m.	4:33 p. m.	.01	.18	.40	.49	.51										
Dubuque, Iowa:																				
May 29	6:49 p. m.	7:25 p. m.	.51	6:57 p. m.	7:13 p. m.	.02	.15	.31	.46	.47										
June 24	12:55 a. m.	D. N. a. m.	.63	12:58 a. m.	1:12 a. m.	.01	.17	.37	.44											
June 25	7:10 p. m.	8:10 p. m.	.91	7:35 p. m.	7:47 p. m.	.08	.29	.72	.75											
Aug. 7	D. N. a. m.	7:35 a. m.	.85	5:44 a. m.	6:03 a. m.	.07	.07	.20	.36	.50										
Keokuk, Iowa:																				
May 11	2:41 p. m.	9:17 p. m.	1.05	8:41 p. m.	8:55 p. m.	.34	.13	.51	.68											
May 29	1:02 p. m.	2:23 p. m.	.53	1:19 p. m.	1:32 p. m.	.01	.11	.27	.36											
June 27	8:15 p. m.	[2] D. N. a. m.	.85	9:25 p. m.	9:46 p. m.	.01	.06	.20	.47	.63	.67									
Aug. 4	12:41 p. m.	2:36 p. m.	.73	1:02 p. m.	1:22 p. m.	.04	.24	.41	.52	.58										
Sept. 4	4:06 p. m.	4:54 p. m.	.71	4:06 p. m.	4:22 p. m.	.00	.23	.43	.58	.63										
Cairo, Ill.:																				
Jan. 20	2:45 a. m.	[3] 8:15 a. m.	3.60	8:37 p. m.	9:53 p. m.	1.59	.08	.24	.32	.34	.35	.48	.54	.56	.65	.67	.91	1.29		
Apr. 4	[3] 11:55 p. m.	8:02 a. m.	1.05	12:41 a. m.	1:00 a. m.	.08	.09	.19	.37	.44										
May 14	7:01 p. m.	[3] 9:57 a. m.	2.24	8:29 p. m.	8:47 p. m.	.03	.18	.51	.57	.62										
June 17	3:55 p. m.	4:54 p. m.	.69	4:04 p. m.	4:20 p. m.	.01	.17	.35	.65	.67										
June 27	9:58 p. m.	[2] D. N. a. m.	.79	10:08 p. m.	10:36 p. m.	.01	.06	.10	.20	.42	.48	.54								
July 27	7:35 p. m.	D. N. p. m.	1.40	8:39 p. m.	9:08 p. m.	.24	.11	.30	.48	.63	.77	.81								
Aug. 17	2:33 a. m.	D. N. a. m.	.46	2:42 a. m.	2:57 a. m.	.02	.06	.26	.40											
Sept. 30	2:36 p. m.	3:30 p. m.	.48	2:41 p. m.	3:01 p. m.	.01	.05	.19	.34	.42										
Peoria, Ill.:																				
May 11	4:00 p. m.	6:38 p. m.	1.08	5:34 p. m.	5:45 p. m.	.47	.28	.44	.49											
Do	8:10 p. m.	11:35 p. m.	1.16	10:38 p. m.	11:03 p. m.	.52	.24	.33	.47	.53	.58									
May 27	1:50 p. m.	3:55 p. m.	1.00	3:06 p. m.	3:43 p. m.	.08	.14	.24	.28	.38	.45	.53	.81	.91						
July 3	11:52 a. m.	1:00 p. m.	.49	12:11 p. m.	12:21 p. m.	.01	.27	.36												
Aug. 7	7:43 p. m.	8:53 p. m.	.86	7:45 p. m.	8:03 p. m.	.01	.24	.51	.73	.81										
Sept. 2	8:30 p. m.	10:18 p. m.	.76	9:50 p. m.	10:07 p. m.	.07	.25	.42	.66	.69										
Sept. 28	10:17 a. m.	12:12 p. m.	.81	10:21 a. m.	10:30 a. m.	.01	.26	.36												
Do	10:17 a. m.	12:12 p. m.	.81	11:30 a. m.	11:45 a. m.	.43	.06	.26	.35											
Springfield, Ill.:																				
May 11	6:57 p. m.	11:45 p. m.	.96	9:50 p. m.	10:34 p. m.	.23	.14	.18	.20	.32	.34	.34	.35	.53	.69					
June 26	2:16 a. m.	D. N. a. m.	.52	2:41 a. m.	3:01 a. m.	.07	.05	.20	.33	.42										
July 12	4:55 a. m.	7:37 a. m.	.73	5:00 a. m.	5:14 a. m.	.01	.15	.41	.59											
Aug. 2 [4]	10:21 a. m.	11:09 a. m.	.70	10:34 a. m.	10:52 a. m.	.01	.21	.46	.64	.68										
Aug. 4	3:53 p. m.	5:15 p. m.	1.18	3:59 p. m.	4:16 p. m.	.01	.25	.71	1.09	1.14										
Aug. 8	[3] 11:56 p. m.	7:48 a. m.	1.82	3:58 a. m.	4:27 a. m.	.94	.12	.22	.32	.42	.50	.58								
Sept. 5	8:57 p. m.	[2] D. N. a. m.	1.12	10:43 p. m.	11:02 p. m.	.51	.11	.20	.32	.40										
Sept. 18	11:53 a. m.	2:50 p. m.	.58	1:28 p. m.	1:47 p. m.	.09	.23	.27	.32	.40										
Sept. 26	8:47 a. m.	10:25 a. m.	.54	9:09 a. m.	9:25 a. m.	.04	.17	.38	.47	.50										
Sept. 27	9:26 a. m.	1:07 p. m.	1.26	9:26 a. m.	9:40 a. m.	.00	.27	.41	.50											
Sept. 30	12:17 a. m.	D. N. a. m.	.90	12:24 a. m.	12:57 a. m.	.02	.13	.36	.56	.65	.68	.75	.80							

[3] On following date. [2] On previous date. [4] Defective record.

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 1923 at all stations furnished with self-registering gauges—Continued

Station and date	Total duration		Total amount of precipitation	Excessive rate		Amount before excessive rate began	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—con.																				
Hannibal, Mo.:																				
Mar. 11	10:55 a. m.	[2]D. N. a. m.	2.28	4:40 p. m.	5:15 p. m.	0.82	0.09	0.25	0.32	0.42	0.51	0.59	0.64							
June 4	2:56 p. m.	3:48 p. m.	.95	2:57 p. m.	3:35 p. m.	T.	.07	.32	.49	.63	.63	.67	.82	0.94						
Do	4:20 p. m.	5:35 p. m.	.52	5:16 p. m.	5:24 p. m.	.13	.25	.38												
June 27	3:05 a. m.	8:32 a. m.	1.06	3:14 a. m.	3:24 a. m.	.02	.16	.32												
Do	8:00 p. m.	8:38 p. m.	.76	8:11 p. m.	8:22 p. m.	.02	.31	.69	.74											
Do	9:55 p. m.	D. N. p. m.	.56	10:27 p. m.	10:48 p. m.	.01	.14	.32	.42	.51	.54									
Aug. 6	3:00 a. m.	8:08 a. m.	2.74	3:50 a. m.	5:33 a. m.	.04	.11	.30	.41	.44	.50	.69	.87	1.12	1.24	1.45	1.73	2.07	2.23	2.38
Aug. 10	D. N. a. m.	8:58 a. m.	1.42	3:10 a. m.	3:27 a. m.	.09	.14	.30	.71	.80										
Aug. 16	12:20 a. m.	8:15 a. m.	2.26	3:33 a. m.	3:52 a. m.	.74	.23	.43	.53	.56										
Sept. 30	9:25 a. m.	11:32 a. m.	.56	9:34 a. m.	9:52 a. m.	.02	.11	.27	.36	.41										
St. Louis, Mo.:																				
May 28	5:00 p. m.	9:10 p. m.	.74	5:09 p. m.	5:26 p. m.	.01	.18	.37	.53	.61										
June 1	7:24 a. m.	10:25 a. m.	.81	7:27 a. m.	7:58 a. m.	.01	.07	.10	.21	.38	.53	.65	.70							
June 18	3:27 p. m.	4:27 p. m.	.67	3:34 p. m.	3:59 p. m.	.02	.09	.30	.43	.51	.57									
July 16	10:46 a. m.	12:52 p. m.	1.47	11:27 a. m.	12:09 p. m.	.02	.46	.75	.93	1.06	1.19	1.28	1.33	1.39	1.43					
Aug. 8	8:38 p. m.	D. N. p. m.	3.46	8:40 p. m.	9:30 p. m.	.01	.40	.73	1.10	1.44	1.85	2.41	2.80	3.07	3.25	3.31				
Sept. 6	12:48 p. m.	1:37 p. m.	.46	1:18 p. m.	1:33 p. m.	.05	.06	.18	.41											
Sept. 18	11:02 a. m.	11:40 a. m.	.42	11:14 a. m.	11:26 a. m.	.03	.13	.33	.39											
MISSOURI VALLEY																				
Columbia, Mo.:																				
Apr. 23	D. N. a. m.	5:45 a. m.	2.23	3:29 a. m.	4:33 a. m.	.12	.08	.18	.26	.43	.57	.72	.88	.99	1.16	1.35	1.71	1.97		
June 2	5:14 a. m.	6:00 a. m.	.64	5:28 a. m.	5:46 a. m.	.06	.07	.31	.45	.55										
Do	6:40 a. m.	11:22 a. m.	1.42	8:36 a. m.	9:18 a. m.	.16	.24	.43	.52	.59	.69	.79	.93	1.05	1.13					
June 27	2:16 a. m.	5:45 a. m.	1.56	2:43 a. m.	3:20 a. m.	.02	.17	.20	.21	.23	.33	.52	.88	.95						
July 3	8:24 p. m.	[2]10.34 a. m.	1.13	8:35 p. m.	9:01 p. m.	.01	.13	.30	.41	.47	.57	.58								
July 12	D. N. a. m.	10:45 a. m.	1.41	6:15 a. m.	7:20 a. m.	.28	.15	.33	.37	.41	.43	.44	.48	.51	.70	.87	.98	1.10		
July 16	11:53 a. m.	12:30 p. m.	.51	11:53 a. m.	12:03 p. m.	.00	.26	.47												
Aug. 5	7:33 p. m.	D. N. p. m.	1.15	7:37 p. m.	7:59 p. m.	.01	.20	.63	.84	.98	1.03									
Aug. 15	D. N. a. m.	7:43 a. m.	1.74	4:50 a. m.	5:22 a. m.	.02	.12	.43	.87	1.07	1.20	1.28	1.33							
Sept. 6	8:37 p. m.	D. N. p. m.	.97	8:40 p. m.	9:08 p. m.	.01	.13	.36	.49	.57	.63	.71								
Sept. 30	7:10 a. m.	8:50 a. m.	.47	7:27 a. m.	7:39 a. m.	.01	.18	.35	.40											
Kansas City, Mo.:																				
June 14	9:58 a. m.	12:25 p. m.	1.12	11:10 a. m.	12:02 p. m.	.17	.11	.19	.24	.30	.39	.64	.68	.73	.75	.85	.92			
June 15	[2]10:50 p. m.	2:00 a. m.	1.33	12:37 a. m.	1:17 a. m.	.25	.07	.27	.50	.74	.86	.89	.90	1.02						
June 30	4:40 p. m.	5:20 p. m.	.51	4:42 p. m.	4:51 p. m.	.01	.24	.47												
July 1	D. N. a. m.	7:35 a. m.	1.48	5:23 a. m.	6:35 a. m.	.42	.06	.10	.18	.23	.34	.41	.48	.54	.59	.63	.71	1.03		
July 2	2:10 p. m.	3:55 p. m.	.64	3:11 p. m.	3:26 p. m.	.22	.11	.26	.38											
Aug. 3 [4]	3:08 a. m.	6:18 a. m.	1.52	3:22 a. m.	4:26 a. m.	.02	.05	.12	.38	.44	.53	.57	.58	.69	.70	.76	1.16	1.27		
Sept. 1	12:35 a. m.	3:10 a. m.	2.60	12:42 a. m.	1:44 a. m.	.02	.15	.32	.50	.61	.85	1.24	1.65	1.86	2.00	2.12	2.27	2.35		
Sept. 5	2:20 p. m.	3:15 p. m.	.49	2:36 p. m.	2:49 p. m.	.02	.18	.37	.44											
Sept. 18	12:45 a. m.	6:45 a. m.	.50	5:57 a. m.	6:05 a. m.	.18	.23	.32												
Sept. 30	12:30 a. m.	5:05 a. m.	2.52	2:30 a. m.	4:16 a. m.	.05	.12	.25	.38	.50	.69	.88	.98	1.12	1.38	1.66	1.87	2.00	2.35	2.46
St. Joseph, Mo.:																				
June 14	12:14 p. m.	1:48 p. m.	.78	12:18 p. m.	12:35 p. m.	.01	.17	.46	.61	.64										
June 27	D. N. a. m.	4:25 a. m.	.64	2:01 a. m.	2:12 a. m.	.05	.23	.37	.39											
July 15	1:58 p. m.	2:25 p. m.	.32	2:16 p. m.	2:22 p. m.	.04	.26	.28												
July 27	12:02 a. m.	D. N. a. m.	.84	1:00 a. m.	1:16 a. m.	.23	.08	.25	.37	.40										
Aug. 8	8:46 p. m.	9:44 p. m.	1.10	9:01 p. m.	9:30 p. m.	.02	.22	.50	.78	.98	1.00	1.07								
Sept. 6	4:47 p. m.	6:15 p. m.	.50	4:57 p. m.	5:10 p. m.	.01	.22	.37	.43											
Sept. 17	8:37 p. m.	D. N. p. m.	.82	9:30 p. m.	9:38 p. m.	.47	.18	.33												
Springfield, Mo.:																				
Apr. 23	8:00 p. m.	D. N. p. m.	.74	11:00 p. m.	11:21 p. m.	.25	.15	.20	.25	.43	.47									
May 23	9:38 p. m.	[2]D. N. a. m.	.70	10:12 p. m.	10:29 p. m.	.03	.14	.30	.38	.40										
May 25	3:51 p. m.	8:30 p. m.	.92	4:17 p. m.	4:52 p. m.	.02	.14	.25	.35	.37	.39	.55	.62							
June 4	2:19 p. m.	3:39 p. m.	1.42	2:27 p. m.	3:11 p. m.	.01	.16	.34	.45	.61	.82	.99	1.16	1.29	1.37					
June 27	6:34 p. m.	8:25 p. m.	1.98	6:46 p. m.	7:41 p. m.	.03	.17	.54	.87	1.14	1.32	1.35	1.46	1.62	1.74	1.83	1.92			
Aug. 21	4:04 p. m.	5:49 p. m.	.50	4:17 p. m.	4:22 p. m.	.01	.32													
Sept. 26	8:35 a. m.	12:03 p. m.	1.53	8:50 a. m.	9:00 a. m.	.02	.27	.48												
Do	8:35 a. m.	12:03 p. m.	1.53	9:53 a. m.	10:16 a. m.	.88	.07	.13	.27	.41	.48									
Iola, Kans.:																				
Apr. 27	5:55 a. m.	9:40 a. m.	.70	8:24 a. m.	8:46 a. m.	.06	.09	.22	.45	.57	.62									
May 23	6:55 a. m.	1:40 p. m.	1.52	1:05 p. m.	1:25 p. m.	1.08	.06	.15	.30	.40										
Do	5:40 p. m.	7:50 p. m.	1.00	5:44 p. m.	6:19 p. m.	T.	.29	.58	.69	.72	.78	.86	.91							
June 6	8:20 a. m.	11:10 a. m.	.92	9:12 a. m.	9:34 a. m.	.07	.09	.21	.40	.54	.58									
June 8	6:10 p. m.	8:00 p. m.	1.84	6.10 p. m.	6:37 p. m.	.00	.39	.82	1.12	1.47	1.57	1.63								
July 12	2:45 a. m.	D. N. a. m.	1.00	2:50 a. m.	3:10 a. m.	.01	.05	.43	.66	.80										
July 13	5:20 p. m.	5:40 p. m.	.42	5:20 p. m.	5:30 p. m.	.00	.30	.40												
Oct. 1	7:45 a. m.	11:35 a. m.	2.05	7:52 a. m.	8:29 a. m.	.02	.09	1.06	1.46	1.69	1.79	1.83								
Topeka, Kans.:																				
May 23	[3]7:10 p. m.	D. N. a. m.	.73	12:58 a. m.	1:12 a. m.	.17	.27	.38	.46											
May 31	10:17 a. m.	2:00 p. m.	1.11	10:42 a. m.	11:18 a. m.	.09	.12	.25	.41	.49	.58	.74	.85	.88						
June 4	7:55 p. m.	D. N. p. m.	1.17	8:34 p. m.	9:29 p. m.	.04	.12	.22	.32	.47	.59	.67	.75	.81	.87	.97	1.08			
June 10	3:50 p. m.	[2]6:55 a. m.	.88	5:12 p. m.	5:23 p. m.	.05	.26	.50	.53											
June 27	1:10 a. m.	6:45 a. m.	.86	1:15 a. m.	1:38 a. m.	.02	.13	.25	.35	.39	.46									
Aug. 3	1:30 a. m.	D. N. a. m.	.40	2:39 a. m.	2:46 a. m.	.09	.25	.29												
Aug. 7	2:32 p. m.	3:45 p. m.	1.26	2:52 p. m.	3:25 p. m.	.06	.23	.42	.48	.65	.90	1.05	1.18							
Aug. 31–Sept. 1	11:40 p. m.	D. N. a. m.	.77	11:42 p. m.	12:18 a. m.	.01	.15	.28	.39	.43	.49	.53	.60	.65						

[2] On following date. [3] On previous date. [4] Defective record.

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 1923 at all stations furnished with self-registering gauges—Continued

Station and date	Total duration		Total amount of precipitation	Excessive rate		Amount before excessive rate began	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																				
Drexel, Nebr.:																				
May 19	1:20 a. m.	D. N. a. m.	0.83	1:30 a. m.	1:44 a. m.	T.	0.22	0.38	0.44											
June 14	8:40 a. m.	11:45 a. m.	.76	9:15 a. m.	9:31 a. m.	0.03	.16	.37	.50	0.53										
June 18	3:00 a. m.	4:50 a. m.	1.04	3:07 a. m.	3:38 a. m.	.04	.08	.25	.48	.71	0.81	0.88	0.91							
June 27	4:15 p. m.	5:00 p. m.	.72	4:29 p. m.	4:39 p. m.	T.	.48	.65												
July 10	4:56 p. m.	5:50 p. m.	.75	4:56 p. m.	5:05 p. m.	.00	.28	.55												
Aug. 4	6:35 a. m.	9:20 a. m.	1.05	7:22 a. m.	7:55 a. m.	.06	.05	.11	.18	.40	.54	.64	.70							
Aug. 10	5:35 a. m.	9:30 a. m.	1.29	5:50 a. m.	6:25 a. m.	.05	.15	.28	.35	.44	.56	.71	.81							
Aug. 26	8:05 p. m.	D. N. p. m.	.85	8:25 p. m.	8:38 p. m.	.12	.13	.54	.73											
Sept. 19	4:35 p. m.	D. N. p. m.	.79	5:12 p. m.	5:44 p. m.	.04	.08	.11	.18	.39	.51	.59	.62							
Sept. 28	[3] 9:45 p. m.	6:15 a. m.	2.23	3:42 a. m.	4:30 a. m.	.31	.09	.10	.19	.40	.78	1.16	1.55	1.63	1.68	1.72				
Do	7:05 a. m.	10:15 a. m.	.74	8:50 a. m.	9:11 a. m.	.02	.08	.18	.41	.67	.68									
Sept. 28–29	6:00 p. m.	D. N. a. m.	1.68	11:29 p. m.	12:19 a. m.	.35	.17	.44	.64	.65	.65	.65	.65	.84	.96	1.03				
Sept. 29	5:20 p. m.	6:15 p. m.	.54	5:27 p. m.	5:45 p. m.	.01	.08	.29	.46	.52										
Lincoln, Nebr.:																				
June 3	12:28 p. m.	3:30 p. m.	2.28	12:39 p. m.	2:08 p. m.	.01	.16	.41	.54	.70	.86	.92	1.02	1.18	1.38	1.48	1.57	1.76	2.01	
June 4	5:02 p. m.	5:55 p. m.	.44	5:12 p. m.	5:28 p. m.	.01	.09	.27	.40	.42										
June 6	2:15 a. m.	D. N. a. m.	1.16	2:19 a. m.	2:35 a. m.	.03	.81	.64	.86	.90										
Aug. 4	6:37 a. m.	9:10 a. m.	1.68	6:50 a. m.	7:22 a. m.	.05	.15	.75	1.10	1.27	1.37	1.46	1.51							
Aug. 8	4:54 a. m.	12:35 p. m.	.76	6:01 a. m.	6:26 a. m.	.08	.17	.29	.39	.44	.51									
Aug. 16	[3] 11:30 p. m.	10:05 a. m.	1.76	12:50 a. m.	1:20 a. m.	.04	.14	.26	.29	.29	.50	.59								
Do	[3] 11:30 p. m.	10:05 a. m.	1.76	7:03 a. m.	7:44 a. m.	1.01	.07	.15	.20	.25	.28	.35	.48	.62	.65					
Sept. 19	3:50 p. m.	6:18 p. m.	.92	4:25 p. m.	4:56 p. m.	.01	.16	.30	.49	.58	.73	.83	.85							
Sept. 28	[3] 10:25 p. m.	7:15 a. m.	1.99	2:57 a. m.	3:36 a. m.	.19	.24	.67	1.00	1.17	1.33	1.38	1.40	1.46						
Do	4:24 p. m.	8:00 p. m.	2.22	4:26 p. m.	5:16 p. m.	.02	.07	.12	.33	.58	.62	.64	.70	.79	1.08	1.31				
				5:16 p. m.	6:06 p. m.		1.44	1.46	1.46	1.46	1.59	1.62	1.67	1.72	1.74	1.76				
				6:06 p. m.	6:39 p. m.		1.76	1.76	1.79	1.84	1.97	2.08	2.14							
Omaha, Nebr.:																				
May 19	1:45 a. m.	D. N. a. m.	.70	1:58 a. m.	2:09 a. m.	.02	.18	.30	.35											
June 18	3:10 a. m.	6:35 a. m.	.86	3:44 a. m.	4:22 a. m.	.02	.09	.19	.33	.41	.53	.61	.67	.73						
Do	6:55 a. m.	9:30 a. m.	1.31	7:12 a. m.	8:20 a. m.	.03	.09	.27	.37	.48	.56	.62	.67	.73	.78	.83	.95	1.13		
June 27	5:01 p. m.	5:23 p. m.	.52	5:06 p. m.	5:18 p. m.	.01	.21	.47	.51											
Aug. 4	6:55 a. m.	9:50 a. m.	2.28	8:01 a. m.	8:52 a. m.	.13	.12	.46	.86	1.24	1.34	1.51	1.72	1.83	1.99	2.05	2.10			
Sept. 28	D. N. a. m.	8:30 a. m.	1.44	4:33 a. m.	5:21 a. m.	.29	.28	.41	.43	.43	.44	.48	.60	.77	1.02	1.08				
Do	6:15 p. m.	10:30 p. m.	4.24	6:52 p. m.	7:42 p. m.	.09	.09	.21	.33	.48	.61	.66	.77	.88	.94	1.05				
				7:42 p. m.	8:32 p. m.		1.25	1.36	1.58	1.80	2.04	2.18	2.23	2.27	2.29	2.31				
				8:32 p. m.	9:22 p. m.		2.94	2.41	2.49	2.62	2.90	3.17	3.31	3.48	3.50	3.50				
				9:22 p. m.	9:49 p. m.		3.58	3.70	3.77	3.92	4.04	4.12								
Sept. 29	[3] D. N. p. m.	2:40 a. m.	1.14	12:47 a. m.	12:57 a. m.	.02	.20	.39												
Do	[3] D. N. p. m.	2:40 a. m.	1.14	1:43 a. m.	2:07 a. m.	.60	.19	.25	.26	.38	.46									
Valentine, Nebr.:																				
July 9	7:04 p. m.	8:09 p. m.	.79	7:09 p. m.	7:32 p. m.	.02	.07	.18	.39	.57	.68									
Sioux City, Iowa:																				
June 5	3:11 p. m.	5:15 p. m.	.57	3:26 p. m.	3:44 p. m.	.01	.14	.37	.48	.53										
June 17	10:27 p. m.	[3] 9:17 a. m.	2.13	10:40 p. m.	11:23 p. m.	.01	.12	.29	.40	.53	.64	.70	.85	.93	1.00					
July 12	3:30 a. m.	4:45 a. m.	1.01	3:34 a. m.	4:06 a. m.	.01	.20	.47	.64	.73	.82	.88	.91							
Aug. 1	[3] 9:04 p. m.	1:00 a. m.	.69	12:06 a. m.	12:36 a. m.	.01	.08	.24	.45	.55	.56	.67								
Sept. 30	4:25 a. m.	5:35 a. m.	1.03	4:52 a. m.	5:04 a. m.	.10	.35	.75	.83											
Huron, S. Dak.:																				
May 29	1:20 p. m.	6:30 p. m.	.70	1:49 p. m.	2:04 p. m.	.03	.24	.46	.54											
June 27	8:20 a. m.	12:05 p. m.	.63	8:43 a. m.	9:02 a. m.	.01	.27	.40	.47	.52										
July 4	9:50 a. m.	12:45 p. m.	.56	10:00 a. m.	10:20 a. m.	.01	.08	.25	.40	.45										
July 10	12:55 a. m.	5:30 a. m.	.93	1:02 a. m.	1:23 a. m.	.02	.12	.33	.48	.56	.59									
July 11	12:05 p. m.	2:55 p. m.	.57	1:37 p. m.	1:46 p. m.	.12	.29	.42												
July 20	2:50 a. m.	D. N. a. m.	.47	2:52 a. m.	3:07 a. m.	.01	.18	.33	.39											
July 28 [4]	9:25 p. m.	11:20 p. m.	.64	9:55 p. m.	10:00 p. m.	.02	.36													
Aug. 5	8:35 p. m.	10:20 p. m.	.50	9:24 p. m.	9:44 p. m.	.05	.10	.21	.30	.42										
Pierre, S. Dak.:																				
June 14	11:45 a. m.	7:35 p. m.	2.52	12:11 p. m.	2:01 p. m.	.01	.10	.18	.30	.36	.51	.64	.71	.77	.92	.97	1.08	1.32	2.06	2.25
July 4	7:44 a. m.	8:40 a. m.	.86	7:47 a. m.	8:19 a. m.	.01	.09	.23	.40	.51	.69	.79	.83							
Aug. 8	10:50 a. m.	11:45 a. m.	.39	11:12 a. m.	11:22 a. m.	.01	.21	.31												
Aug. 9	D. N. a. m.	D. N. a. m.	.40	12:08 a. m.	12:18 a. m.	.01	.28	.35												
Do	7:40 p. m.	D. N. p. m.	1.63	8:10 p. m.	8:50 p. m.	.02	.06	.11	.19	.34	.72	1.01	1.28	1.46						
Yankton, S. Dak.:																				
May 29	12:15 p. m.	12:40 p. m.	.42	12:18 p. m.	12:32 p. m.	.01	.19	.36	.40											
June 14	6:25 p. m.	7:20 p. m.	.99	6:32 p. m.	6:53 p. m.	.01	.07	.37	.98	.89	.92									
June 17	6:55 p. m.	10:15 p. m.	3.15	7:25 p. m.	9:25 p. m.	.15	.14	.24	.30	.39	.57	.94	1.21	1.40	1.57	1.72	1.88	2.20	2.56	2.92
July 29	10:10 p. m.	[3] 1:45 a. m.	.68	10:16 p. m.	10:36 p. m.	.01	.18	.37	.46	.56										
Aug. 3	9:55 p. m.	[3] 12:10 a. m.	1.36	10:07 p. m.	10:35 p. m.	.02	.08	.43	.75	1.06	1.20	1.27								
Aug. 20	9:05 p. m.	10:00 p. m.	.38	9:18 p. m.	9:23 p. m.	.02	.25													
Aug. 25	1:50 a. m.	4:30 a. m.	.52	1:57 a. m.	2:10 a. m.	.01	.08	.27	.39											
Sept. 28	8:55 p. m.	11:35 p. m.	2.14	8:59 p. m.	10:09 p. m.	.01	.16	.24	.31	.64	.75	.78	.80	.81	.87	1.02	1.48	2.09		
NORTHERN SLOPE																				
Havre, Mont.:																				
June 16	7:02 p. m.	D. N. p. m.	.73	7:28 p. m.	7:42 p. m.	.17	.12	.30	.41											
July 15	6:30 p. m.	9:18 p. m.	.75	6:48 p. m.	7:10 p. m.	.06	.12	.32	.43	.49	.53									
Aug. 9	8:12 p. m.	9:45 p. m.	.53	8:19 p. m.	8:29 p. m.	T.	.31	.51												
Helena, Mont.[1]																				
Kalispell, Mont.[1]																				
Miles City, Mont.:																				
July 21	11:30 p. m.	[3] 12:15 a. m.	1.02	11:37 p. m.	11:57 p. m.	.02	.17	.55	.79	.98										

[1] No excessive precipitation. [2] On following date. [3] On previous date. [4] Defective record.

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 1923 at all stations furnished with self-registering gauges—Continued

Station and date	Total duration		Total amount of precipitation	Excessive rate		Amount before excessive rate began.	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 SLOPE—continued																				
Rapid City, S. Dak.:																				
June 29	2:10 p. m.	3:01 p. m.	0.46	2:48 p. m.	2:59 p. m.	0.02	0.12	0.39	0.44											
Aug. 8	6:06 a. m.	7:36 a. m.	.65	6:23 a. m.	6:46 a. m.	.04	.13	.27	.29	0.40	0.54									
Cheyenne, Wyo.:																				
July 13	2:23 p. m.	4:15 p. m.	1.13	2:48 p. m.	3:14 p. m.	.02	.26	.49	.81	.93	.98	1.01								
Sept. 27	3:30 p. m.	5:50 p. m.	1.54	4:26 p. m.	5:14 p. m.	.15	.14	.32	.45	.59	.74	.93	1.04	1.14	1.27	1.33				
Lander, Wyo.:																				
July 22	5:13 p. m.	5:56 p. m.	.71	5:29 p. m.	5:47 p. m.	.03	.12	.37	.62	.68										
Sheridan, Wyo.:																				
May 21	2:10 p. m.	3:45 p. m.	.53	2:13 p. m.	2:23 p. m.	.01	.22	.38												
May 28	5:15 p. m.	6:45 p. m.	.60	5:21 p. m.	5:36 p. m.	.01	.11	.36	.43											
July 22	9:40 p. m.	[2]D. N. a. m.	3.90	9:45 p. m.	10:05 p. m.	.01	.30	.49	.68	.78										
				11:15 p. m.	12:05 a. m.	.90	.09	.28	.57	.78	.81	.81	.83	.88	.96	1.18				
July 22-23	9:40 p. m.	D. N. a. m.	3.90	12:05 a. m.	12:55 a. m.		1.30	1.36	1.40	1.49	1.65	1.81	1.94	2.00	2.16	2.34				
				12:55 a. m.	1:25 a. m.		2.49	2.54	2.64	2.68	2.79	2.87								
July 25	D. N. a. m.	D. N. a. m.	.48	12:15 a. m.	12:30 a. m.	.04	.14	.29	.39											
Do	5:10 p. m.	7:45 p. m.	.48	6:27 p. m.	6:37 p. m.	.08	.19	.38												
Yellowstone Park, Wyo.[1]																				
North Platte, Nebr.:																				
May 18	6:41 p. m.	10:15 p. m.	.72	8:12 p. m.	8:41 p. m.	.01	.12	.28	.39	.46	.52	.54								
June 14	D. N. a. m.	D. N. a. m.	.64	3:33 a. m.	3:43 a. m.	.01	.35	.57												
July 17	9:43 a. m.	2:15 p. m.	1.56	12:44 p. m.	1:02 p. m.	.92	.20	.35	.49	.53										
Aug. 9	9:27 p. m.	[2]D. N. a. m.	2.15	10:30 p. m.	11:40 p. m.	.50	.07	.19	.27	.36	.71	.98	1.10	1.17	1.30	1.36	1.52	1.64		
Aug. 11	4:33 p. m.	6:25 p. m.	.67	4:43 p. m.	4:57 p. m.	.01	.27	.58	.63											
Oct. 11	D. N. a. m.	D. N. a. m.	.45	3:44 a. m.	3:55 a. m.	.01	.20	.36	.40											
MIDDLE SLOPE																				
Denver, Colo.:																				
June 9	[3]D. N. p. m.	[3]8:50 a. m.	2.26	10:28 a. m.	11:22 a. m.	.92	.08	.16	.26	.36	.45	.51	.55	.59	.65	.75	.81			
June 16	1:12 p. m.	2:37 p. m.	.62	1:21 p. m.	1:39 p. m.	.01	.18	.25	.33	.43										
July 16	4:05 p. m.	6:35 p. m.	1.38	4:13 p. m.	5:15 p. m.	.01	.11	.25	.31	.36	.49	.65	.74	.85	.95	1.06	1.26	1.33		
Aug. 11	5:20 p. m.	6:30 p. m.	.56	5:56 p. m.	6:18 p. m.	.01	.20	.35	.45	.52	.54									
Pueblo, Colo.:																				
July 3	3:15 p. m.	4:18 p. m.	1.35	3:16 p. m.	3:46 p. m.	T.	.35	.68	.97	1.12	1.22	1.27								
July 10	1:26 p. m.	3:03 p. m.	1.21	1:31 p. m.	2:11 p. m.	.02	.13	.26	.53	.71	.88	.95	.99	1.05						
Concordia, Kans.:																				
Apr. 22	8:32 p. m.	10:13 p. m.	.51	9:52 p. m.	10:00 p. m.	.16	.19	.34												
May 19	12:45 a. m.	3:15 a. m.	1.39	12:52 a. m.	1:40 a. m.	.01	.09	.19	.41	.69	.71	.81	.90	.96	1.02	1.06				
May 23	[2]9:43 p. m.	4:15 a. m.	1.48	2:17 a. m.	2:32 a. m.	.53	.14	.40	.47											
June 6	2:02 a. m.	8:10 a. m.	.83	2:06 a. m.	2:21 a. m.	.01	.19	.36	.45											
June 16	4:00 a. m.	4:25 a. m.	.33	4:05 a. m.	4:15 a. m.	.01	.14	.30												
June 21	1:36 p. m.	3:16 p. m.	.60	1:39 p. m.	1:53 p. m.	.01	.20	.35	.41											
June 26	10:05 p. m.	[2]3:15 a. m.	1.43	11:17 p. m.	11:41 p. m.	.28	.31	.58	.69	.75	.80									
July 11	8:03 p. m.	9:35 p. m.	2.68	8:07 p. m.	9:06 p. m.	.01	.11	.28	.36	.52	.88	1.45	1.81	1.99	2.18	2.36	2.64			
Do.[4]	10:43 p. m.	[2]12:40 a. m.	.68	11:27 p. m.	11:40 p. m.	.17	.16	.33	.39											
Aug. 5	3:05 a. m.	4:30 a. m.	.57	3:13 a. m.	3:30 a. m.	.02	.06	.15	.39	.42										
Aug. 16	4:00 a. m.	7:23 a. m.	.70	5:07 a. m.	5:22 a. m.	.10	.12	.34	.45											
Sept. 24	8:49 p. m.	10:18 p. m.	1.16	9:00 p. m.	9:47 p. m.	.01	.13	.19	.19	.21	.31	.42	.51	.80	1.11	1.14				
Oct. 11	8:54 p. m.	[2]12:30 a. m.	.50	9:23 p. m.	9:32 p. m.	.02	.22	.39												
Dodge City, Kans.:																				
May 1	6:18 a. m.	10:50 a. m.	.95	8:54 a. m.	9:11 a. m.	.07	.35	.65	.81	.83										
July 11	11:25 p. m.	[2]D. N. a. m.	.62	11:29 p. m.	11:44 p. m.	.01	.12	.27	.37											
July 15	1:30 a. m.	D. N. a. m.	.71	3:29 a. m.	3:41 a. m.	.26	.12	.30	.37											
Wichita, Kans.:																				
May 23	11:45 a. m.	3:15 p. m.	1.23	1:50 p. m.	2:32 p. m.	.08	.05	.10	.15	.25	.47	.64	.73	.88	.94					
June 6	D. N. a. m.	9:00 a. m.	1.42	6:13 a. m.	6:39 a. m.	.02	.22	.30	.94	1.00	1.13	1.16								
June 8	2:20 p. m.	5:10 p. m.	2.63	2:33 p. m.	3:31 p. m.	.01	.33	.47	.63	.95	1.42	1.75	1.87	2.03	2.17	2.31	2.44			
Do	5:50 p. m.	9:15 p. m.	2.41	6:50 p. m.	8:21 p. m.	.12	.15	.44	.45	.46	.46	.46	.47	.58	.87	1.21	1.36	1.54	2.25	
June 8-9	10:35 p. m.	7:10 a. m.	1.84	11:11 p. m.	12:01 a. m.	.06	.18	.50	.68	.84	.99	1.08	1.18	1.40	1.50	1.55				
June 10	6:10 p. m.	7:20 p. m.	.45	6:29 p. m.	6:47 p. m.	.01	.10	.35	.40	.44										
June 14	5:08 p. m.	8:15 p. m.	2.72	5:52 p. m.	6:52 p. m.	.29	.11	.37	.67	1.06	1.38	1.64	1.91	2.06	2.18	2.25	2.36			
June 15	1:30 a. m.	D. N. a. m.	1.00	1:34 a. m.	2:21 a. m.	.01	.06	.20	.37	.42	.47	.64	.70	.81	.87	.91				
July 16	[2]11:30 p. m.	D. N. a. m.	.58	12:21 a. m.	12:46 a. m.	.01	.09	.18	.28	.39	.52									
Oct. 29	10:45 a. m.	5:45 p. m.	1.95	1:02 p. m.	1:45 p. m.	.04	.10	.16	.28	.34	.39	.48	.67	.92	1.00					
Broken Arrow, Okla.:																				
Mar. 11	[2]4:30 p. m.	2:50 p. m.	2.49	5:15 a. m.	6:16 a. m.	.63	.14	.21	.25	.36	.39	.44	.50	.53	.59	.68	.82	.88		
Apr. 23	5:15 p. m.	6:30 p. m.	.66	5:42 p. m.	6:04 p. m.	.04	.09	.25	.44	.57	.60									
Apr. 27	7:30 a. m.	8:26 a. m.	.38	7:58 a. m.	8:06 a. m.	.01	.23	.31												
Do	7:40 p. m.	9:00 p. m.	.53	7:51 p. m.	8:06 p. m.	.02	.16	.37	.47											
Apr. 28	2:17 p. m.	3:40 p. m.	.46	2:19 p. m.	2:32 p. m.	.01	.25	.32	.36											
May 28[4]	11:50 a. m.	3:50 p. m.	1.40	12:24 p. m.	1:00 p. m.	.02	.16	.31	.48	.64	.79	.90	.96	1.00						
June 6	10:41 a. m.	11:55 a. m.	.48	10:43 a. m.	10:52 a. m.	.01	.23	.36												
June 8-9	11:00 p. m.	D. N. a. m.	1.81	11:33 p. m.	12:42 a. m.	.01	.12	.23	.31	.46	.53	.60	.69	.79	.88	.94	1.34	1.80		
June 9	D. N. a. m.	8:01 a. m.	1.80	5:58 a. m.	6:33 a. m.	.80	.14	.23	.29	.36	.53	.72	.80							
June 15	D. N. a. m.	6:35 a. m.	.58	5:56 a. m.	6:14 a. m.	.02	.14	.33	.44	.52										
Aug. 21	9:45 p. m.	[3]D. N. a. m.	1.88	10:12 p. m.	11:14 p. m.	.05	.11	.21	.36	.55	.69	.80	.85	.94	1.03	1.15	1.38	1.54		
Oct. 29	8:45 p. m.	D. N. p. m.	.79	9:14 p. m.	9:29 p. m.	.05	.17	.30	.41											

[1] No excessive precipitation. [2] On following date. [3] On previous date. [4] Defective record.

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 1923 at all stations furnished with self-registering gauges—Continued

Station and date	Total duration		Total amount of precipitation	Excessive rate		Amount before excessive rate began	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—con.																				
Oklahoma City, Okla.:																				
May 14	D. N. a. m.	11:35 a. m.	1.89	9:00 a. m.	9:15 a. m.	1.03	0.14	0.31	0.39											
May 21	9:00 p. m.	D. N. p. m.	1.33	9:14 p. m.	10:11 p. m.	.01	.12	.26	.43	0.66	0.80	0.86	0.89	0.95	1.03	1.16	1.31			
May 28	9:40 a. m.	11:00 a. m.	1.67	9:51 a. m.	10:31 a. m.	.01	.22	.27	.60	.80	1.16	1.37	1.48	1.55						
June 1	D. N. a. m.	D. N. a. m.	1.60	12:07 a. m.	1:13 a. m.	.01	.16	.24	.35	.45	.51	.58	.64	.72	.85	1.02	1.18	1.32		
June 9	1:05 a. m.	7:25 a. m.	.84	1:24 a. m.	1:44 a. m.	.09	.11	.21	.30	.40										
Aug. 31	5:47 p. m.	7:38 p. m.	1.82	6:29 p. m.	7:07 p. m.	.30	.23	.47	.71	.85	1.05	1.28	1.45	1.51						
Sept. 18	6:02 p. m.	8:12 p. m.	2.23	6:04 p. m.	6:37 p. m.	.01	.52	.83	1.43	1.74	1.94	2.13	2.18							
Sept. 29	D. N. a. m.	8:52 a. m.	1.84	6:37 a. m.	6:47 a. m.	.26	.18	.30												
Do	D. N. a. m.	8:52 a. m.	1.84	7:09 a. m.	7:46 a. m.	.63	.12	.17	.26	.30	.51	.66	.80	.85						
Oct. 29	8:27 p. m.	D. N. p. m.	.70	9:29 p. m.	9:52 p. m.	.09	.12	.23	.45	.53	.59									
SOUTHERN SLOPE																				
Abilene, Tex.:																				
Apr. 11	12:25 p. m.	D. N. p. m.	1.55	1:36 p. m.	2:35 p. m.	.02	.11	.16	.21	.33	.45	.71	.86	.83	.87	.93	1.07			
Apr. 19	D. N. p. m.	[2] D. N. a. m.	.98	11:05 p. m.	11:16 p. m.	.03	.35	.46	.50											
Apr. 24	7:30 p. m.	D. N. p. m.	1.64	7:47 p. m.	8:12 p. m.	.03	.15	.22	.34	.51	.58									
June 9	8:10 a. m.	12:50 p. m.	1.02	9:39 a. m.	10:11 a. m.	.05	.08	.22	.31	.35	.43	.52	.55							
June 13	D. N. a. m.	D. N. a. m.	.51	2:59 a. m.	3:14 a. m.	.03	.07	.32	.42											
Sept. 19	1:35 p. m.	4:00 p. m.	.44	1:44 p. m.	1:56 p. m.	.02	.16	.36	.41											
Amarillo, Tex.:																				
Apr. 25	9:30 p. m.	D. N. p. m.	.85	10:06 p. m.	10:32 p. m.	.07	.09	.29	.49	.61	.66	.69								
Apr. 26	3:33 p. m.	6:35 p. m.	.92	6:13 p. m.	6:23 p. m.	.10	.62	.79												
May 14	D. N. a. m.	D. N. a. m.	1.22	3:18 a. m.	3:39 a. m.	.09	.11	.32	.87	.96	.99									
June 4	5:15 p. m.	8:45 p. m.	1.56	5:18 p. m.	5:57 p. m.	.01	.15	.37	.60	.80	.95	1.04	1.09	1.14						
June 7	5:10 p. m.	[2] D. N. a. m.	1.16	10:03 p. m.	10:14 p. m.	.31	.12	.48	.50											
June 8	3:20 p. m.	D. N. p. m.	1.35	7:00 p. m.	7:31 p. m.	.19	.08	.10	.16	.30	.48	.71	.76							
June 18-19	7:38 p. m.	D. N. a. m.	3.88	11:33 p. m.	12:59 a. m.	1.27	.20	.46	.57	.80	.95	1.09	1.21	1.38	1.48	1.53	1.80	2.53	2.61	
Sept. 15	4:50 p. m.	D. N. p. m.	2.39	8:10 p. m.	9:32 p. m.	.33	.22	.35	.47	.56	.59	.66	.89	1.12	1.38	1.42	1.44	1.78	1.81	
Sept. 18	6:30 p. m.	9:50 p. m.	.71	9:02 p. m.	9:34 p. m.	.04	.12	.16	.33	.44	.54	.64	.67							
Sept. 29 [4]	5:53 p. m.	7:10 p. m.	.43	5:54 p. m.	6:03 p. m.	T.	.29	.43												
Oct. 2	9:10 p. m.	[3] 7:10 a. m.	1.72	9:20 p. m.	9:50 p. m.	.02	.14	.24	.33	.37	.56	.74								
Del Rio, Tex.:																				
Jan. 31	D. N. a. m.	D. N. a. m.	.79	3:13 a. m.	3:27 a. m.	.04	.23	.29	.40											
Apr. 12	D. N. a. m.	D. N. a. m.	.58	1:10 a. m.	1:20 a. m.	T.	.18	.27												
June 2	D. N. a. m.	D. N. a. m.	.97	12:27 a. m.	12:48 a. m.	.01	.19	.37	.65	.88	.91									
July 19	2:03 p. m.	2:45 p. m.	.45	2:06 p. m.	2:16 p. m.	T.	.25	.43												
July 21	11:44 a. m.	2:47 p. m.	1.43	11:50 a. m.	12:50 p. m.	T.	.08	.13	.23	.46	.57	.66	.74	.84	.96	1.05	1.19			
Oct. 4	D. N. p. m.	[2] D. N. a. m.	2.05	10:45 p. m.	11:37 p. m.	.01	.26	.59	.91	1.16	1.35	1.51	1.61	1.73	1.80	1.90	1.97			
Nov. 13	6:10 p. m.	[2] D. N. a. m.	1.99	7:45 p. m.	8:35 p. m.	.14	.12	.18	.26	.33	.43	.50	.55	.64	.70	.79				
Roswell, N. Mex.:																				
June 8	3:39 p. m.	5:21 p. m.	.42	5:09 p. m.	5:19 p. m.	.11	.13	.31												
June 20	4:48 p. m.	5:37 p. m.	.39	5:07 p. m.	5:17 p. m.	.01	.17	.30												
Sept. 14	4:01 p. m.	5:29 p. m.	2.38	4:21 p. m.	5:24 p. m.	.04	.28	.53	.78	1.05	1.28	1.46	1.62	1.70	1.79	1.92	2.21	2.34		
Sept. 16	12:12 p. m.	2:27 p. m.	2.88	12:18 p. m.	1:39 p. m.	.01	.12	.38	.61	.79	.81	.87	.91	1.12	1.32	1.41	1.59	2.64	2.69	
Oct. 11	7:02 p. m.	7:23 p. m.	.48	7:04 p. m.	7:12 p. m.	.01	.31	.47												
SOUTHERN PLATEAU																				
El Paso, Tex.:																				
Aug. 24 [4]	9:25 p. m.	[3] 1:40 a. m.	1.42	9:55 p. m.	10:42 p. m.	.17	.08	.19	.32	.37	.43	.49	.57	.69	.79	.85				
Aug. 26	6:20 p. m.	7:50 p. m.	.89	6:34 p. m.	7:01 p. m.	.01	.26	.42	.51	.68	.78	.83								
Santa Fe, N. Mex.:																				
July 2	7:00 p. m.	9:40 p. m.	.88	7:38 p. m.	8:08 p. m.	.09	.26	.44	.51	.55	.60	.65								
Aug. 13	4:50 p. m.	6:10 p. m.	.37	5:04 p. m.	5:17 p. m.	.01	.17	.29	.35											
Phoenix, Ariz.:																				
Sept. 18	8:29 a. m.	10:40 a. m.	.69	9:19 a. m.	9:38 a. m.	.21	.13	.26	.32	.47										
Independence, Calif.[1]																				
MIDDLE PLATEAU																				
Reno, Nev.[1]																				
Tonopah, Nev.:																				
Sept. 12	2:20 p. m.	3:45 p. m.	.52	2:48 p. m.	3:03 p. m.	.03	.05	.20	.39											
Winnemucca, Nev.:																				
June 16	3:45 p. m.	5:45 p. m.	.83	3:57 p. m.	4:12 p. m.	.02	(4)	.57	.62											
Modena, Utah:																				
July 31	4:19 p. m.	4:34 p. m.	.32	4:19 p. m.	4:28 p. m.	.00	.17	.31												
Aug. 1	2:06 p. m.	3:31 p. m.	1.32	2:06 p. m.	2:47 p. m.	.00	.17	.25	.33	.67	.94	1.12	1.17	1.22	1.24					
Salt Lake City, Utah:																				
Aug. 13	6:30 p. m.	9:15 p. m.	1.23	6:38 p. m.	7:10 p. m.	.01	.10	.30	.51	.85	.97	1.06	1.09							
Aug. 30	11:15 a. m.	1:30 p. m.	.67	11:30 a. m.	12:00 noon	.01	.13	.37	.47	.50	.57	.62								
Grand Junction, Colo.[1]																				
NORTHERN PLATEAU																				
Baker, Oreg.:																				
June 11	[3] 9:20 p. m.	D. N. a. m.	.60	12:23 a. m.	12:29 a. m.	.17	.30	.33												
Boise, Idaho [1]																				
Lewiston, Idaho [1]																				
Pocatello, Idaho [1]																				
Spokane, Wash.[1]																				
Walla Walla, Wash.[1]																				

[1] No excessive precipitation. [2] On following date. [3] On previous date. [4] Defective record.

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 1923 at all stations furnished with self-registering gauges—Continued

Station and date	Total duration		Total amount of precipitation	Excessive rate		Amount before excessive rate began	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 PACIFIC COAST REGION																				
North Head, Wash.[1]																				
Port Angeles, Wash.[1]																				
Seattle, Wash.[1]																				
Tacoma, Wash.[1]																				
Tatoosh Island, Wash.:																				
Aug. 22	11:46 a. m.	4:32 p. m.	1.13	1:45 p. m.	2:04 p. m.	0.19	0.21	0.25	0.41	0.47										
Portland, Oreg.[1]																				
Roseburg, Oreg.[1]																				
MIDDLE PACIFIC COAST REGION																				
Eureka, Calif.[1]																				
Point Reyes, Calif.[1]																				
Red Bluff, Calif.:																				
June 23	10:15 a. m.	11:40 a. m.	.87	10:29 a. m.	10:42 a. m	.01	.10	.49	.76											
Sept. 22	[3] 6:45 p. m.	10:30 a. m.	1.95	9:32 a. m.	9:46 a. m.	1.51	.19	.31	.40											
Sept. 25	3:45 p. m.	4:50 p. m.	.60	4:25 p. m.	4:40 p. m.	.08	.26	.40	.46											
Sacramento, Calif.[1]																				
San Francisco, Calif.[1]																				
San Jose, Calif.[1]																				
SOUTH PACIFIC COAST REGION																				
Fresno, Calif.[1]																				
Los Angeles, Calif.[1]																				
San Diego, Calif.[1]																				
San Luis Obispo, Calif.[1]																				
ALASKA																				
Juneau, Alaska[1]																				
ISLAND POSSESSIONS																				
San Juan, P. R.:																				
Apr. 26	2:46 p. m.	3:30 p. m.	.83	2:52 p. m.	3:17 p. m.	.01	.07	.27	.57	.69	0.80									
Do	4:22 p. m.	5:52 p. m.	.85	4:33 p. m.	5:13 p. m.	.01	.26	.34	.36	.37	.41	0.59	0.69	0.75						
June 4	9:37 a. m.	10:06 a. m.	.39	9:49 a. m.	10:00 a. m.	.06	.13	.31	.33											
June 8	6:55 a. m.	1:00 p. m.	.78	7:13 a. m.	7:28 a. m.	.03	.16	.27	.35											
Aug. 27	8:10 a. m.	9:06 a. m.	.43	8:13 a. m.	8:29 a. m.	.01	.06	.21	.38	.40										
Sept. 3	2:40 p. m.	4:50 p. m.	2.39	3:42 p. m.	4:17 p. m.	.29	.32	.56	1.01	1.27	1.61	1.86	2.01							
Sept. 13	3:12 p. m.	4:10 p. m.	.88	3:19 p. m.	3:39 p. m.	.01	.25	.53	.73	.81										
Sept. 28	6:45 p. m.	7:50 p. m.	1.26	6:48 p. m.	7:26 p. m.	.01	.24	.49	.69	.87	.97	1.12	1.19	1.23						
Oct. 13	7:05 p. m.	7:53 p. m.	.42	7:24 p. m.	7:41 p. m.	.01	.17	.22	.33	.40										
Oct. 15	11:54 a. m.	1:10 p. m.	1.39	11:59 a. m.	12:36 p. m.	.01	.26	.70	.96	1.00	1.05	1.07	1.28	1.35						
Oct. 25	2:27 p. m.	3:45 p. m.	.74	2:45 p. m.	3:07 p. m.	.01	.23	.38	.49	.61	.67									
Nov. 7	4:45 p. m.	7:10 p. m.	.98	5:51 p. m.	6:34 p. m.	.03	.08	.28	.43	.55	.67	.68	.82	.86	0.91					
Nov. 14	D. N. a. m.	7:30 a. m.	1.31	5:29 a. m.	5:56 a. m.	.30	.11	.31	.60	.81	.93	.97								
Nov. 15	6:35 p. m.	D. N. p. m.	2.52	7:12 p. m.	8:12 p. m.	.02	.12	.38	.56	.70	.97	1.27	1.62	1.77	2.01	2.14	2.39			
Nov. 16	6:50 p. m.	[2] D. N. a. m.	.75	7:04 p. m.	7:17 p. m.	.03	.27	.42	.47											
Dec. 4	D. N. a. m.	D. N. a. m.	.95	2:23 a. m.	2:58 a. m.	.03	.08	.23	.28	.34	.46	.63	.79							
Dec. 14	D. N. a. m.	D. N. a. m.	.64	3:45 a. m.	4:00 a. m.	.26	.10	.26	.37											
Honolulu, Hawaii:																				
Jan. 14	[3] 7:42 p. m.	[2] D. N. a. m.	4.07	5:05 a. m.	5:49 a. m.	1.26	.07	.15	.28	.42	.49	.59	.68	.78	.96					
Feb. 26	7:35 p. m.	[2] D. N. a. m.	1.13	8:16 p. m.	9:03 p. m.	.04	.08	.18	.31	.47	.53	.61	.68	.78	.90	.96				
Mar. 31	D. N. a. m.	4:10 p. m.	3.71	7:37 a. m.	8:26 a. m.	1.14	.13	.29	.42	.59	.82	1.09	1.21	1.22	1.35	1.50				
Apr. 1	2:35 p. m.	D. N. p. m.	1.19	7:55 p. m.	8:33 p. m.	.29	.09	.10	.22	.26	.45	.57	.73	.78						
Oct. 25	10:10 a. m.	11:35 a. m.	1.22	10:15 a. m.	10:33 a. m.	.01	.38	.78	1.01	1.08										
Dec. 23	11:50 a. m.	[2] 6:30 a. m.	3.04	9:50 p. m.	10:05 p. m.	1.15	.10	.29	.38											
Dec. 30	4:15 p. m.	8:15 p. m.	2.94	5:21 p. m.	6:16 p. m.	.34	.13	.30	.43	.79	1.22	1.52	1.76	2.01	2.22	2.38	2.45			

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

PART III

MONTHLY AND ANNUAL METEOROLOGICAL SUMMARIES FOR TWO HUNDRED AND TWELVE STATIONS DURING 1923

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 of 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 latitude and altitude terms.

(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. At several Alaska stations the mean is printed uncorrected.

The extremes are determined from the barograph trace.

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, 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 gauges 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 gauge 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 gauge 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 gauge is melted and measured as water. No correction is applied for the snow that is lost out of the gauge 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 gauge 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 gauges 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 gauges 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 24 hours is meant the greatest measurement for any 24 consecutive hours; it does not refer to the rate of rainfall for 24 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 gauge above ground; h_a=height of anemometer above ground.

Annual meteorological summary for the year ending December 31, 1923

ABILENE, TEX.

[ϕ=32° 23′ N.; λ=99° 40′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	28.235	28.745	27.890	44.7	60.9	56.9	65.2	41.5	53.4	78	27	31	32	32	60	40	44	0.197	0.209	0.210	3.10	1.97	4.8	5.4	4.7	5.1
February	28.351	28.867	27.901	38.1	48.3	46.4	53.5	35.7	44.6	75	17	33	35	36	82	62	68	.199	.218	.222	2.67	1.07	7.6	6.9	7.2	7.2
March	28.216	28.670	27.571	40.7	55.9	56.6	63.4	39.0	51.2	79	14	31	30	31	70	41	43	.193	.177	.193	2.33	1.93	4.8	4.5	4.7	4.5
April	28.103	28.430	27.687	55.4	69.4	67.9	74.0	53.2	63.6	88	39	49	50	51	80	53	58	.367	.375	.390	5.73	1.82	6.1	6.0	6.4	6.4
May	28.034	28.470	27.637	63.1	79.7	78.6	84.9	60.4	72.6	102	47	55	52	52	75	41	41	.451	.410	.401	.88	.75	3.0	3.6	4.0	3.6
June	28.092	28.380	27.879	71.7	84.8	85.2	89.7	69.1	79.4	100	50	63	62	62	76	48	47	.589	.568	.552	3.81	1.43	5.1	4.7	3.6	4.5
July	28.170	28.390	27.981	74.6	90.9	90.2	95.3	72.3	83.8	103	62	64	61	58	70	39	36	.592	.545	.492	.22	.14	5.1	5.4	4.4	5.0
August	28.171	28.340	28.022	73.3	90.3	88.9	94.2	72.0	83.1	102	63	62	60	57	69	38	37	.566	.517	.467	1.28	1.28	3.0	4.0	3.2	3.6
September	28.180	28.370	27.988	67.6	84.9	80.6	87.9	66.4	77.2	96	57	62	60	59	84	46	50	.567	.533	.513	1.10	.44	5.3	5.2	5.3	5.2
October	28.259	28.590	27.790	53.7	65.6	62.0	69.5	52.0	60.8	90	38	50	50	50	86	61	67	.367	.372	.398	7.64	2.84	6.2	5.5	5.3	5.8
November	28.287	28.570	27.890	44.9	59.6	53.9	61.9	42.6	52.2	75	32	42	41	44	88	53	70	.271	.267	.292	2.09	1.33	5.6	6.0	5.8	5.9
December	28.267	28.720	27.830	40.2	51.6	47.8	55.4	37.5	46.4	76	16	36	36	38	85	59	70	.224	.230	.241	1.92	.71	7.5	6.8	5.5	6.7
Year	28.197	28.867	27.571	55.7	70.2	67.9	74.6	53.5	64.0	103	14	48	47	48	77	48	53	.382	.368	.364	32.77	2.84	5.3	5.3	5.0	5.3

ALBANY, N. Y.

[ϕ=42° 39′ N.; λ=73° 45′ W.]

Month	Monthly mean	Extremes: Maximum	Extremes: Minimum	Mean: 8 a. m.	Mean: Noon, local time	Mean: 8 p. m.	Mean: Maximum	Mean: Minimum	Mean: Monthly	Extremes: Maximum	Extremes: Minimum	Dew point: 8 a. m.	Dew point: Noon, local time	Dew point: 8 p. m.	Relative humidity: 8 a. m.	Relative humidity: Noon, local time	Relative humidity: 8 p. m.	Vapor pressure: 8 a. m.	Vapor pressure: Noon, local time	Vapor pressure: 8 p. m.	Precipitation: Total	Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.988	30.750	29.400	17.8	22.0	21.0	27.5	11.6	19.6	46	−6	14	18	16	85	81	80	0.091	0.106	0.094	4.65	1.05	8.4	6.6	6.3	7.0
February	30.019	30.590	29.450	15.6	22.4	21.0	27.0	10.5	18.8	40	−1	12	15	15	84	73	77	.080	.092	.090	1.24	.46	7.0	4.4	3.7	4.3
March	29.914	30.657	29.080	26.5	33.5	31.3	38.8	20.5	29.6	61	0	20	23	22	75	65	69	.117	.129	.127	1.09	.39	4.9	5.2	4.1	5.1
April	29.847	30.510	29.290	41.7	52.0	48.8	56.8	35.4	46.1	89	9	31	31	34	66	46	58	.185	.191	.214	2.63	1.29	4.5	4.1	3.9	4.3
May	29.847	30.240	29.300	53.5	62.7	60.5	68.7	45.3	57.0	89	33	41	39	41	64	46	53	.265	.251	.271	1.65	.48	3.5	2.9	3.2	3.1
June	29.759	30.106	29.190	66.0	75.0	72.2	80.3	58.8	69.6	96	49	55	55	57	68	54	61	.448	.456	.480	3.07	1.34	3.5	3.1	2.0	2.9
July	29.895	30.306	29.860	65.9	76.3	74.1	81.1	60.1	70.6	94	52	57	56	57	74	52	58	.475	.454	.479	3.89	1.37	4.6	3.5	3.1	3.2
August	29.859	30.101	29.390	63.9	75.3	71.5	80.0	58.3	69.2	93	45	56	53	56	77	47	59	.466	.413	.459	2.21	1.31	3.9	2.3	1.7	3.1
September	30.002	30.456	29.670	60.0	69.2	64.3	72.5	55.6	64.0	85	40	55	55	57	84	61	78	.445	.447	.480	4.01	1.60	5.1	4.8	3.9	4.7
October	30.012	30.351	29.520	45.5	57.1	51.5	60.6	41.9	51.2	72	31	41	43	44	86	60	76	.266	.288	.299	2.86	2.27	3.8	3.3	1.7	4.4
November	29.970	30.529	29.250	35.9	43.2	41.7	47.3	32.5	39.9	62	23	32	33	34	86	69	74	.184	.190	.200	4.42	1.44	5.9	6.0	4.9	5.8
December	29.935	30.708	29.160	33.8	39.1	37.0	42.5	30.3	36.4	58	12	28	31	30	79	72	77	.158	.176	.174	3.17	.98	7.4	5.8	5.2	5.8
Year	29.921	30.750	29.080	43.8	52.3	49.6	56.9	38.4	47.7	96	−6	37	38	39	77	60	68	.265	.266	.281	34.89	2.27	5.2	4.3	3.6	4.5

ALPENA, MICH.

[ϕ=45° 05′ N.; λ=83° 30′ W.]

Month	Monthly mean	Extremes: Maximum	Extremes: Minimum	Mean: 8 a. m.	Mean: Noon, local time	Mean: 8 p. m.	Mean: Maximum	Mean: Minimum	Mean: Monthly	Extremes: Maximum	Extremes: Minimum	Dew point: 8 a. m.	Dew point: Noon, local time	Dew point: 8 p. m.	Relative humidity: 8 a. m.	Relative humidity: Noon, local time	Relative humidity: 8 p. m.	Vapor pressure: 8 a. m.	Vapor pressure: Noon, local time	Vapor pressure: 8 p. m.	Precipitation: Total	Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.375	30.070	28.700	17.5	22.8	21.2	26.9	11.4	19.2	43	−6	15	17	17	89	76	82	0.087	0.094	0.095	1.72	0.37	8.8	8.2	7.5	7.8
February	29.418	29.900	28.910	10.8	18.0	16.0	22.6	5.8	14.2	37	−10	8	10	12	87	67	84	.066	.072	.079	.75	.27	6.4	6.3	6.6	6.1
March	29.304	29.850	28.480	17.1	23.1	21.3	29.1	9.6	19.4	46	−9	14	14	16	87	68	78	.090	.092	.096	3.95	.73	6.8	5.5	5.9	5.8
April	29.282	29.850	28.680	33.2	41.8	38.6	45.8	27.6	36.7	80	−2	26	28	30	76	60	71	.149	.159	.170	2.64	.83	4.6	5.1	5.1	4.9
May	29.329	29.780	28.860	46.7	52.0	50.1	56.1	29.3	47.7	79	26	36	38	38	68	60	64	.220	.235	.233	2.49	.95	3.5	3.5	3.8	3.6
June	29.280	29.585	28.740	62.0	67.7	64.2	72.8	54.2	63.5	91	38	53	53	54	73	62	70	.420	.430	.429	3.10	1.28	4.4	4.5	4.2	4.7
July	29.373	29.620	29.090	64.7	71.7	68.5	75.6	56.9	66.2	95	52	56	57	58	76	63	72	.467	.477	.491	3.08	1.91	4.8	5.2	5.6	5.2
August	29.322	29.580	28.448	59.9	67.7	63.6	70.5	51.4	61.0	84	39	53	54	53	79	63	70	.417	.427	.421	3.07	1.29	4.5	5.6	6.1	5.3
September	29.440	29.830	29.000	53.5	61.7	57.8	64.5	48.4	56.4	79	34	51	53	52	91	75	84	.388	.421	.410	1.65	.75	5.8	6.6	4.2	5.9
October	29.462	29.830	28.600	40.6	51.9	46.2	54.2	37.1	45.6	78	26	36	38	39	86	61	77	.228	.241	.253	1.31	.53	5.5	5.4	5.0	5.8
November	29.369	29.840	28.730	34.5	41.7	38.2	44.3	30.4	37.4	57	21	29	31	32	81	68	78	.165	.180	.185	.85	.35	6.9	6.7	6.7	6.7
December	29.305	29.810	28.460	31.3	36.3	33.9	39.3	27.8	33.6	55	14	27	28	29	82	71	80	.146	.154	.160	2.33	.60	7.5	7.7	6.8	7.7
Year	29.355	30.070	28.460	39.3	46.4	43.3	50.1	33.3	41.7	95	−10	34	35	36	81	66	76	.237	.248	.252	26.04	1.91	5.8	5.9	5.6	5.8

AMARILLO, TEX.

[ϕ=35° 13′ N.; λ=101° 50′ W.]

Month	Monthly mean	Extremes: Maximum	Extremes: Minimum	Mean: 8 a. m.	Mean: Noon, local time	Mean: 8 p. m.	Mean: Maximum	Mean: Minimum	Mean: Monthly	Extremes: Maximum	Extremes: Minimum	Dew point: 8 a. m.	Dew point: Noon, local time	Dew point: 8 p. m.	Relative humidity: 8 a. m.	Relative humidity: Noon, local time	Relative humidity: 8 p. m.	Vapor pressure: 8 a. m.	Vapor pressure: Noon, local time	Vapor pressure: 8 p. m.	Precipitation: Total	Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	26.271	26.760	25.883	36.1	52.6	50.1	59.8	32.5	46.2	73	20	25	28	26	65	39	39	0.137	0.155	0.139	0.00	0.00	4.7	4.9	4.5	2.9
February	26.361	26.870	25.895	28.9	39.1	39.7	47.6	25.0	36.3	62	3	24	26	28	80	62	64	.134	.148	.157	1.71	.53	6.1	5.0	6.4	4.6
March	26.220	26.630	25.617	32.9	47.3	49.6	55.9	29.8	42.8	72	7	26	27	28	74	48	46	.143	.149	.157	2.97	2.25	6.6	4.6	5.2	4.2
April	26.177	26.470	25.660	45.8	61.5	62.4	68.2	43.9	56.0	82	35	40	41	38	83	50	47	.261	.271	.243	3.22	1.91	5.3	5.6	4.9	4.9
May	26.163	26.670	25.750	54.9	69.3	70.8	76.5	51.0	63.8	91	39	46	49	46	76	50	45	.324	.359	.319	1.70	1.33	4.7	3.5	5.1	2.7
June	26.216	26.500	26.040	64.3	77.0	78.7	84.1	60.6	72.4	95	53	57	59	58	79	58	55	.475	.516	.500	9.76	3.88	4.5	4.6	4.3	3.0
July	26.326	26.490	26.137	67.9	83.9	85.3	90.5	66.1	78.3	101	61	60	60	58	76	46	41	.518	.521	.482	1.88	.74	4.6	3.9	4.6	3.5
August	26.328	26.540	26.176	66.8	83.3	83.8	89.5	64.8	77.2	99	55	57	58	55	72	44	40	.464	.483	.436	1.54	.45	4.5	4.3	4.3	4.2
September	26.316	26.520	26.060	59.5	75.5	74.1	81.7	57.9	69.8	90	52	54	56	56	83	53	55	.427	.458	.449	6.42	2.85	4.8	3.0	3.9	3.6
October	26.353	26.686	25.905	46.8	54.0	53.6	60.1	44.1	52.1	77	28	44	47	47	90	78	80	.301	.338	.342	7.34	1.93	8.5	7.0	5.7	6.5
November	26.347	26.700	26.004	36.7	50.5	47.8	56.0	34.9	45.4	72	14	32	36	37	82	61	67	.182	.219	.223	2.13	.96	5.0	4.0	3.7	3.8
December	26.298	26.770	25.834	29.5	36.8	34.7	41.7	26.1	33.9	69	1	25	28	28	84	70	76	.139	.155	.156	1.11	.55	5.5	5.6	6.3	5.6
Year	26.282	26.870	25.617	47.4	60.9	60.9	67.6	44.7	56.2	101	1	41	43	42	79	55	55	.292	.314	.300	39.75	3.88	5.4	4.8	4.9	4.1

Annual meteorological summary for the year ending December 31, 1923—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	10.0	SW.	39	SW.	0	9	3	3	10	17	10	3	7	0	14	5	12	8	6	1	1	0	0	0	0	5	3	0
February	9.3	S.	31	NE.	0	7	11	5	8	9	8	1	7	0	6	5	17	10	9	3	2	0	0	2	0	8	1	0
March	12.7	S.	48	W.	2	11	8	5	1	22	4	5	6	0	14	8	9	7	6	0	0	0	0	0	0	4	2	0
April	11.1	S.	48	NE.	2	9	5	5	14	12	6	2	7	0	7	8	15	12	8	0	0	1	1	0	0	0	9	0
May	11.5	SE.	44	SW.	1	7	7	4	17	13	5	4	4	1	18	10	3	4	3	0	0	1	0	0	8	0	9	0
June	11.6	SE.	40	SW.	1	2	3	3	28	21	3	0	0	0	10	14	6	9	8	0	0	1	0	0	13	0	9	0
July	7.6	S.	25	SE.	0	0	2	7	21	16	16	0	0	0	8	21	2	4	2	0	0	0	0	0	28	0	6	0
August	8.1	S.	23	SE.	0	4	4	3	17	25	5	1	1	2	18	9	4	2	2	0	0	0	0	0	25	0	5	0
September	8.6	S.	29	S.	0	2	2	4	19	25	3	3	1	1	10	11	9	5	4	0	0	0	0	0	9	0	3	0
October	8.4	SE.	27	NE.	0	16	6	5	20	10	2	1	2	0	10	7	14	12	10	0	0	0	1	0	1	0	7	0
November	7.6	S.	29	S.	0	9	3	1	12	13	11	3	6	2	12	1	17	9	7	1	1	0	0	0	0	1	0	0
December	9.4	SW.	31	SW.	0	15	2	3	2	13	13	5	8	1	9	2	20	7	6	0	0	0	0	1	0	8	1	0
Year	9.7	S.	48	W.	6	91	56	48	169	196	86	28	49	7	136	101	128	89	71	5	4	3	2	3	84	26	55	0

ALBANY, N. Y.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	8.1	NW.	42	S.	1	8	17	0	0	10	1	6	20	0	8	5	18	16	16	19	13	0	0	19	0	29	0	0
February	7.8	S.	28	S.	0	2	9	0	0	20	1	6	18	0	14	8	6	12	5	18	9	0	0	17	0	28	0	0
March	9.5	NW.	40	S.	1	2	7	0	1	22	3	4	23	0	14	5	12	9	7	15	6	0	0	9	0	28	0	0
April	9.3	S.	34	S.	0	8	12	0	1	20	2	7	12	0	13	11	6	9	7	3	2	1	0	1	0	9	0	0
May	8.2	S.	38	SW.	0	10	10	3	0	18	3	10	8	0	21	4	6	9	7	1	0	0	0	0	0	0	1	0
June	6.2	S.	24	NW.	0	7	6	1	4	20	2	9	11	0	19	6	5	11	11	0	0	0	1	0	6	0	5	0
July	6.3	S.	38	S.	0	9	7	2	2	26	1	4	11	0	17	11	3	11	9	0	0	0	1	0	4	0	5	0
August	6.8	S.	30	S.	0	3	9	4	0	30	3	6	7	0	17	12	2	7	5	0	0	0	0	0	2	0	5	0
September	6.1	S.	26	S.	0	1	9	2	1	28	0	5	14	0	15	6	9	9	8	0	0	0	4	0	0	0	4	0
October	6.5	S.	35	S.	0	5	8	2	4	20	3	5	15	0	13	10	8	8	7	0	0	0	8	0	0	1	1	0
November	5.4	S.	27	S.	0	4	6	1	3	20	2	5	19	0	10	8	12	11	10	3	3	0	4	0	0	16	0	0
December	7.8	S.	42	S.	2	4	5	0	2	23	1	6	21	0	11	8	12	14	12	10	6	0	0	2	0	18	0	0
Year	7.4	S.	42	S.	4	61	105	15	18	257	22	73	179	0	172	94	99	126	104	69	39	1	18	48	12	129	21	0

ALPENA, MICH.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	12.8	NW.	50	NW.	2	4	7	3	6	8	4	12	18	0	1	14	16	17	11	24	17	0	0	27	0	31	0	0
February	12.0	W.	40	W.	2	2	2	2	4	8	4	17	17	0	6	10	12	15	5	20	14	0	0	23	0	28	0	0
March	15.0	NW.	48	NW.	8	5	6	1	7	9	5	8	21	0	10	8	13	17	14	18	15	0	1	16	0	31	0	1
April	12.3	NW.	40	NW.	1	9	5	4	5	6	4	8	18	0	11	10	9	9	6	10	6	0	4	3	0	17	0	0
May	11.0	SE.	44	NW.	2	9	5	7	21	1	6	0	13	0	15	11	4	8	5	1	1	0	0	0	0	4	2	1
June	9.2	SE.	36	N.	0	3	4	5	16	4	3	9	15	1	10	14	6	7	7	0	0	0	3	0	1	0	6	0
July	8.2	SE.	38	NW.	0	5	3	7	12	4	7	11	13	0	13	6	12	8	7	0	0	1	2	0	2	0	7	0
August	10.2	NW.	44	NW.	1	7	3	3	11	1	5	11	19	2	9	13	9	10	8	0	0	0	1	0	0	0	0	0
September	9.0	SE.	38	NW.	0	6	2	4	15	2	6	11	14	0	9	10	11	12	9	1	0	0	3	0	0	0	3	1
October	10.5	NW.	37	W.	0	8	1	0	11	2	8	15	17	0	10	7	14	8	6	3	1	0	6	0	0	10	0	0
November	10.8	NW.	33	SW.	0	7	0	3	6	12	13	4	15	0	8	5	17	11	7	7	3	0	2	1	0	19	0	0
December	12.4	SW.	44	NW.	3	4	7	1	3	7	15	14	11	0	5	3	23	14	12	10	5	0	2	5	0	24	0	0
Year	11.1	NW.	50	NW.	19	69	45	40	118	64	80	120	191	3	108	111	146	136	97	94	62	1	24	75	3	164	18	3

AMARILLO, TEX.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	10.7	SW.	38	SW.	0	5	3	1	6	9	22	8	8	0	20	11	0	0	0	0	0	0	0	0	0	16	0	0
February	10.6	N.	37	SW.	0	12	3	9	5	4	12	7	4	0	14	7	7	8	7	5	5	0	2	2	0	23	0	0
March	11.8	SW.	46	N.	1	11	5	3	6	8	18	3	8	0	17	8	6	7	7	4	4	1	0	2	0	16	1	0
April	11.8	S.	34	S.	0	5	3	7	10	16	7	6	6	0	12	11	7	6	6	0	0	1	0	0	0	0	4	0
May	13.0	N.	38	NW.	0	13	4	4	15	10	7	3	6	0	26	5	0	8	4	0	0	2	0	0	2	0	4	0
June	12.4	SE.	34	E.	0	5	4	3	28	12	5	1	2	0	24	5	1	11	10	0	0	1	0	0	8	0	8	0
July	8.6	SE.	32	NE.	0	3	3	6	20	20	6	2	2	0	16	15	0	7	5	0	0	0	0	0	18	0	8	0
August	9.1	S.	32	NE.	0	5	8	0	19	20	8	0	2	0	12	17	2	8	5	0	0	0	0	0	17	0	5	0
September	8.6	SE.	32	NE.	0	1	10	7	15	17	5	4	1	0	18	10	2	11	10	0	0	0	0	0	1	0	10	0
October	10.0	SE.	26	S.	0	14	6	6	18	9	3	2	4	0	7	9	15	14	11	2	1	0	0	0	0	3	7	0
November	8.2	N.	33	N.	0	16	5	1	7	11	5	10	5	0	18	7	5	7	5	3	3	0	0	1	0	5	0	0
December	10.6	SW.	40	NW.	1	13	0	1	0	8	17	7	16	0	11	8	12	9	7	8	8	0	0	5	0	26	0	0
Year	10.4	SE.	46	N.	2	103	54	48	149	144	115	53	64	0	195	113	57	96	77	22	21	5	2	10	46	89	47	0

Annual meteorological summary for the year ending December 31, 1923—Continued

ANNISTON, ALA.

[ϕ=33° 39′ N.; λ=85° 50′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.365	29.750	29.030	42.8	54.9	50.0	60.1	38.8	49.4	74	27	37	37	....	81	55	....	0.236	0.236	....	2.84	1.38	5.5	5.2	5.3	5.3
February	29.425	29.810	29.120	39.3	48.9	45.9	53.9	36.6	45.2	77	15	32	34	....	75	59	....	.218	.223	....	7.70	2.82	5.7	5.0	5.2	5.4
March	29.330	29.600	28.730	46.8	58.2	55.4	64.7	41.2	53.0	80	19	38	38	....	72	51	....	.253	.258	....	5.25	1.50	5.2	5.5	5.4	5.3
April	29.244	29.650	28.830	55.6	68.2	63.6	72.2	48.6	60.4	84	26	45	46	....	71	48	....	.336	.336	....	6.65	1.89	5.4	4.3	4.8	4.9
May	29.129	29.420	28.830	63.5	73.7	68.1	77.3	57.2	67.4	87	35	57	57	....	81	59	....	.482	.493	....	7.30	3.13	6.7	5.5	6.7	5.7
June	29.245	29.460	28.950	72.2	82.9	76.1	86.0	64.8	75.4	95	50	65	64	....	78	53	....	.624	.590	....	3.20	1.16	4.3	3.4	4.8	3.7
July	29.262	29.490	29.040	74.0	84.4	77.3	87.9	68.4	77.2	95	53	67	66	....	79	55	....	.661	.646	....	3.46	1.04	4.4	3.9	4.4	4.4
August	29.268	29.400	29.150	73.5	83.9	75.7	87.4	68.3	77.8	94	56	70	69	....	88	63	....	.723	.710	....	4.01	1.02	6.3	4.9	5.0	5.7
September	29.304	29.550	29.140	68.9	83.5	73.5	86.6	62.7	74.6	90	54	63	63	....	83	52	....	.593	.577	....	.67	.46	3.3	2.8	2.4	2.9
October	29.318	29.565	28.730	53.2	71.6	60.0	74.8	49.2	62.0	88	34	48	47	....	84	46	....	.358	.350	....	.80	.38	3.8	3.8	3.1	3.8
November	29.339	29.700	28.980	41.5	58.1	48.8	61.3	38.7	50.0	72	24	36	37	....	82	48	....	.222	.231	....	4.80	1.57	4.8	4.3	4.6	4.4
December	29.344	29.770	28.801	49.4	57.6	51.5	60.7	44.6	52.6	75	27	46	46	....	87	67	....	.329	.338	....	5.82	1.35	8.4	7.5	7.2	7.4
Year	29.298	29.810	28.730	56.7	68.8	62.2	72.8	51.4	62.1	95	15	50	50	....	80	55	....	.420	.416	....	52.50	3.13	5.3	4.7	4.9	4.9

APALACHICOLA, FLA.

[ϕ=29° 45′ N.; λ=84° 58′ W.]

Month	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
January	30.134	30.490	29.870	54.2	62.3	58.7	64.5	50.7	57.6	74	40	50	51	52	87	68	80	0.379	0.399	0.406	3.80	1.96	4.0	4.2	2.7	3.8
February	30.161	30.457	29.910	52.4	59.9	58.3	63.8	50.2	57.0	75	31	47	50	51	83	71	78	.370	.407	.413	2.64	1.30	5.4	4.8	5.2	5.4
March	30.069	30.330	29.620	58.1	65.1	61.0	67.8	55.0	61.4	76	33	53	55	55	85	72	79	.436	.460	.457	2.37	.93	4.6	4.8	4.4	4.7
April	29.967	30.350	29.640	64.1	70.9	68.2	73.5	60.8	67.2	83	44	59	59	61	84	69	79	.523	.529	.532	.51	.36	4.3	4.2	3.8	4.2
May	29.855	30.130	29.530	70.9	76.0	73.0	78.5	66.5	72.5	84	51	65	64	66	83	68	80	.640	.625	.654	6.09	3.69	3.9	4.8	3.9	4.5
June	29.957	30.140	29.760	76.8	81.5	78.7	82.7	72.4	77.6	91	66	72	71	72	84	72	80	.775	.769	.778	6.14	2.49	4.8	5.2	5.0	5.3
July	29.976	30.150	29.798	77.3	82.5	79.3	84.9	73.1	79.0	93	68	73	72	73	86	71	81	.810	.780	.808	8.54	2.44	5.7	5.0	5.8	5.7
August	29.909	30.140	29.890	79.2	83.2	79.9	85.3	75.4	80.4	90	72	74	73	73	85	72	79	.847	.809	.804	5.62	1.55	3.8	4.8	3.4	4.2
September	29.970	30.150	29.800	75.3	82.9	79.3	84.6	72.8	78.7	89	69	71	71	72	88	68	78	.768	.755	.776	5.23	2.01	3.0	3.4	2.2	3.6
October	29.982	30.250	29.540	63.7	73.1	69.4	75.1	61.9	68.5	90	46	59	59	60	84	65	72	.525	.539	.538	3.18	1.40	3.3	3.8	3.1	3.8
November	30.064	30.392	29.790	52.9	63.8	59.8	66.4	50.7	58.6	76	41	47	47	50	81	57	72	.340	.346	.380	2.44	1.32	3.4	3.7	3.4	4.0
December	30.097	30.415	29.660	57.1	63.3	61.1	65.9	55.3	60.6	75	41	54	55	56	90	77	86	.434	.460	.473	2.09	1.06	5.0	5.7	3.8	5.6
Year	30.019	30.490	29.530	65.2	72.0	69.0	74.4	62.1	68.3	93	31	60	61	62	85	69	79	.571	.573	.587	48.65	3.69	4.3	4.5	3.9	4.6

ASHEVILLE, N. C.

[ϕ=35° 36′ N.; λ=82° 32′ W.]

Month	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
January	27.734	28.080	27.360	36.9	44.3	43.4	51.0	32.7	41.8	63	21	29	30	30	74	60	62	0.169	0.175	0.177	2.03	0.67	6.8	7.1	5.3	6.1
February	27.760	28.030	27.480	32.5	40.5	40.0	46.6	30.0	38.3	72	6	27	27	28	80	60	62	.170	.173	.172	2.06	.60	5.3	5.6	5.1	5.5
March	27.712	28.080	27.060	41.5	52.1	49.0	57.6	36.4	47.0	78	13	33	32	32	72	48	55	.205	.197	.200	4.96	2.07	6.3	5.6	4.9	5.1
April	27.677	28.110	27.250	47.5	60.0	56.6	64.6	43.0	53.8	78	20	40	37	39	75	47	55	.261	.243	.252	2.57	1.01	5.6	5.2	4.4	4.7
May	27.634	27.860	27.350	56.5	66.5	62.7	69.9	51.5	60.7	80	35	50	48	50	80	55	65	.379	.355	.372	5.71	1.88	6.9	7.3	7.1	6.3
June	27.718	27.920	27.350	63.6	76.6	70.4	80.1	59.4	69.8	87	48	59	58	60	86	54	72	.514	.495	.530	2.66	.52	5.1	6.0	5.9	4.8
July	27.745	27.978	27.480	65.4	77.2	72.7	80.9	62.0	71.4	88	51	62	60	63	90	58	72	.564	.529	.578	4.54	1.47	5.1	5.7	5.8	4.9
August	27.741	27.890	27.620	65.5	78.4	72.5	82.0	63.2	72.6	88	51	64	62	64	93	59	77	.591	.569	.608	2.75	.72	6.1	5.5	4.4	4.5
September	27.795	28.110	27.590	60.2	74.3	68.2	77.5	57.7	67.6	83	48	58	57	60	93	56	75	.487	.478	.523	2.64	1.28	3.8	5.1	4.2	4.4
October	27.788	28.042	27.300	46.0	61.5	56.4	65.2	43.3	54.2	80	31	43	43	44	89	54	65	.282	.285	.298	.87	.49	4.4	4.3	4.0	4.2
November	27.741	28.090	27.410	38.0	49.9	46.2	53.6	35.0	44.3	64	24	32	32	32	79	52	60	.187	.184	.187	1.83	.67	5.4	4.7	4.4	4.6
December	27.756	28.290	27.100	41.2	51.9	48.4	55.9	36.5	46.2	70	23	37	38	38	85	62	70	.236	.251	.252	2.72	.93	6.0	6.1	5.5	5.9
Year	27.733	28.290	27.060	49.6	61.1	57.2	65.4	45.9	55.6	88	6	44	44	45	83	55	66	.337	.328	.346	35.34	2.07	5.6	5.7	5.1	5.1

ATLANTA, GA.

[ϕ=33° 45′ N.; λ=84° 23′ W.]

Month	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
January	28.888	29.240	28.540	43.1	51.7	51.2	56.7	39.8	48.2	69	29	38	40	41	84	69	70	0.245	0.268	0.270	1.94	1.03	5.2	4.8	3.6	5.1
February	28.925	29.260	28.610	38.6	46.8	46.9	51.2	36.2	43.7	72	13	34	36	36	85	68	68	.227	.244	.239	7.47	2.72	5.5	5.0	4.6	5.5
March	28.846	29.130	28.259	47.3	56.8	55.7	62.1	42.1	52.1	75	17	40	41	40	77	59	59	.271	.280	.271	5.14	2.10	5.8	5.2	4.5	5.8
April	28.779	29.250	28.360	54.7	65.8	64.6	70.0	50.3	60.2	83	31	48	49	49	78	57	59	.349	.367	.363	3.82	1.51	5.6	5.1	4.4	5.3
May	28.701	28.950	28.410	62.1	70.3	67.5	73.9	57.8	65.8	83	40	57	58	57	85	67	73	.484	.493	.486	9.83	3.79	7.1	6.9	6.4	7.2
June	28.799	29.000	28.500	71.4	80.3	76.4	83.4	66.5	75.0	91	55	65	65	64	81	58	68	.623	.590	.606	3.23	1.06	5.2	5.6	5.5	5.7
July	28.805	29.070	28.550	72.4	81.5	79.9	85.7	68.4	77.1	92	60	66	66	66	82	61	65	.653	.642	.649	2.60	1.37	6.5	5.6	6.1	5.5
August	28.814	28.955	28.700	72.1	81.4	78.5	85.5	69.3	77.4	94	64	70	70	70	92	70	77	.727	.740	.743	4.17	1.47	7.3	6.1	4.2	6.4
September	28.850	29.140	28.670	68.6	79.3	77.1	83.1	66.0	74.6	88	57	63	63	64	84	59	65	.591	.586	.579	.54	.37	4.1	4.2	2.2	4.8
October	28.851	29.130	28.350	55.7	67.8	64.9	70.6	53.6	62.1	84	37	48	49	48	76	63	56	.349	.362	.350	1.59	1.24	4.5	4.3	3.6	4.6
November	28.857	29.190	28.520	44.4	54.5	52.8	57.5	42.2	49.8	67	32	37	38	39	77	57	62	.232	.227	.246	3.55	1.22	4.3	4.5	5.0	4.9
December	28.885	29.380	28.310	48.4	55.0	53.5	58.4	44.2	51.3	71	29	44	46	46	87	75	79	.316	.337	.333	5.60	1.85	7.5	8.3	7.4	8.4
Year	28.833	29.380	28.259	56.6	65.9	64.1	69.8	53.0	61.4	94	13	51	52	52	82	64	67	.422	.429	.428	49.48	3.79	5.7	5.5	4.8	5.8

Annual meteorological summary for the year ending December 31, 1923—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	6.6	NW.	36	E.	0	4	2	1	12	16	2	6	18	1	10	12	9	8	7	0	0	0	0	0	0	7	1	0
February	6.9	N.	23	NW.	0	19	1	0	9	3	4	4	16	0	11	5	12	12	12	0	0	0	0	0	0	11	2	0
March	7.5	NW.	30	SW.	0	8	0	0	13	9	9	1	21	1	9	11	11	15	12	1	0	1	0	0	0	5	3	0
April	6.2	N	30	W.	0	13	1	0	11	9	8	5	9	4	12	10	8	14	11	0	0	0	0	0	0	1	9	0
May	5.6	SE.	27	W.	0	4	4	7	20	8	6	3	4	6	8	9	14	18	17	0	0	0	1	0	0	0	12	0
June	3.8	SE.	19	W.	0	5	2	6	15	9	8	3	9	3	16	12	2	9	7	0	0	0	0	0	5	0	11	0
July	3.4	SW.	20	N.	0	2	1	11	8	6	15	6	7	6	13	16	2	10	7	0	0	0	1	0	10	0	7	0
August	3.1	SW.	23	NW.	0	10	5	1	6	7	15	6	7	5	10	10	11	16	13	0	0	0	0	0	10	0	14	0
September	4.0	N.	18	SE.	0	10	0	7	8	6	7	4	12	6	17	12	1	6	4	0	0	0	0	0	3	0	1	0
October	5.5	SE.	22	SE.	0	12	1	10	13	4	2	0	15	5	16	8	7	7	3	0	0	0	0	0	0	0	0	0
November	5.3	NW.	23	E.	0	9	1	2	12	3	5	7	14	7	15	4	11	8	7	0	0	0	0	0	0	7	1	0
December	6.7	SE.	27	SE.	0	7	4	3	17	6	8	9	8	0	3	12	16	13	11	0	0	0	0	0	0	7	0	0
Year	5.4	SE.	36	E.	0	103	22	48	144	86	89	54	140	44	140	121	104	136	111	1	0	1	2	0	28	38	61	0

APALACHICOLA, FLA.

[H_b=36 ft.; h_t=42 ft.; h_r=32 ft.; h_a=49 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	6.6	SE.	27	NW.	0	9	5	10	10	5	6	8	9	0	10	6	6	6	6	0	0	0	0	0	0	0	2	0
February	8.1	N.	27	NE.	0	11	12	1	4	7	8	8	5	0	8	11	9	6	5	0	0	0	5	0	0	1	1	0
March	9.5	S.	30	NW.	0	9	11	5	8	12	6	1	9	1	13	8	10	8	7	0	0	0	3	0	0	0	1	0
April	8.4	SW.	31	N.	0	13	7	7	6	8	7	7	5	0	9	18	3	3	3	0	0	0	1	0	0	0	2	0
May	7.7	S.	38	NE.	0	10	7	2	7	9	13	8	6	0	10	14	7	10	10	0	0	0	0	0	0	0	11	0
June	7.9	SE.	33	E.	0	3	10	5	7	10	12	8	4	1	12	7	11	16	10	0	0	0	0	0	1	0	8	0
July	6.8	SW.	33	SE.	0	6	4	3	7	6	19	8	9	0	6	18	7	18	17	0	0	0	0	0	1	0	15	0
August	5.6	S.	19	W.	0	7	3	0	4	11	18	13	5	1	14	12	5	12	10	0	0	0	0	0	0	0	12	0
September	6.5	N.	30	NE.	0	18	13	2	6	8	2	6	5	0	18	8	4	10	7	0	0	0	0	0	0	0	17	0
October	11.3	NE.	38	SE.	0	10	20	3	4	1	4	6	14	0	17	7	7	9	8	0	0	0	1	0	1	0	0	0
November	8.1	NW.	25	NE.	0	11	9	2	6	3	4	13	12	0	17	7	6	5	4	0	0	0	1	0	0	0	1	0
December	8.0	NE.	30	N.	0	5	18	7	7	8	6	6	5	0	8	12	11	6	4	0	0	0	3	0	0	0	0	0
Year	7.9	S.	38	NE.	0	112	119	47	76	88	105	92	88	3	151	128	86	109	91	0	0	0	14	0	3	1	70	0

ASHEVILLE, N. C.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	10.4	NW.	34	NW.	0	6	0	3	19	2	1	4	27	0	6	14	11	11	6	4	1	0	0	0	0	16	1	0
February	10.8	NW.	36	NW.	0	9	0	1	11	1	1	2	31	0	11	7	10	9	7	3	1	0	3	4	0	18	0	0
March	12.0	NW.	42	N.	1	12	0	2	18	5	2	1	21	1	12	9	10	11	10	3	0	0	0	0	0	10	2	0
April	9.5	NW.	44	NW.	1	9	0	1	18	6	0	4	21	1	13	11	6	12	10	0	0	0	3	0	0	4	4	0
May	8.3	SE.	35	NW.	0	7	0	6	22	13	1	2	11	0	6	11	14	14	11	1	0	0	1	0	0	0	5	0
June	5.6	NW.	44	NW.	1	4	2	1	18	6	1	1	26	1	8	19	3	16	13	0	0	1	5	0	0	0	12	0
July	5.1	NW.	26	N.	0	8	1	8	15	4	1	1	21	3	8	17	6	18	16	0	0	0	5	0	0	0	16	0
August	4.9	NW.	27	NW.	0	9	0	10	11	10	3	2	16	1	10	19	2	12	9	0	0	0	10	0	0	0	8	0
September	5.8	SE.	37	SE.	0	14	0	10	15	5	1	2	12	1	9	19	2	6	6	0	0	0	12	0	0	0	8	0
October	7.0	SE.	29	SE.	0	5	0	5	24	1	0	0	23	4	15	8	8	6	4	1	1	0	2	0	0	2	0	0
November	8.7	NW.	27	NW.	0	12	1	3	16	4	0	0	22	2	12	10	8	9	8	1	1	0	0	0	0	8	0	0
December	8.3	SE.	34	NW.	0	5	0	3	25	5	2	1	18	3	11	6	14	12	9	4	1	0	3	0	0	12	0	0
Year	8.0	NW.	44	NW.	3	100	4	53	212	62	13	20	249	17	121	150	94	136	109	17	5	1	44	4	0	70	56	0

ATLANTA, GA.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	13.0	NW.	48	NW.	4	2	4	10	4	7	6	12	17	0	14	5	12	11	7	2	1	0	3	0	0	4	0	0
February	13.8	NW.	42	NW.	1	4	0	6	7	4	4	8	23	0	12	3	13	12	10	0	0	0	5	1	0	10	1	0
March	14.0	NW.	52	NW.	5	2	1	6	8	10	4	4	27	0	12	4	15	13	8	0	0	0	1	0	0	4	4	0
April	12.6	NW.	42	W.	1	0	2	8	10	8	6	2	24	0	11	9	10	12	10	0	0	0	1	0	0	1	7	0
May	11.4	SE.	50	NW.	3	4	6	10	20	6	4	6	6	0	7	4	20	19	17	0	0	0	0	0	0	0	12	0
June	9.0	SE.	33	W.	0	4	3	4	14	7	0	17	10	1	11	8	11	12	11	0	0	0	0	0	2	0	14	0
July	8.5	NW.	30	SE.	0	3	2	8	7	7	5	12	18	0	10	10	11	8	5	0	0	0	0	0	5	0	8	0
August	8.1	W.	29	W.	0	1	2	7	7	5	2	19	19	0	6	9	16	14	11	0	0	0	1	0	2	0	13	0
September	8.0	E.	26	E.	0	9	5	16	8	7	5	4	6	0	11	13	6	7	4	0	0	0	2	0	0	0	3	0
October	11.7	NW.	36	NW.	0	9	3	16	13	3	0	2	16	0	15	4	12	8	4	0	0	0	1	0	0	0	0	0
November	12.0	NW.	40	NW.	1	6	0	10	7	2	1	5	28	1	15	1	14	9	7	0	0	0	1	0	0	1	0	0
December	11.6	NW.	42	NW.	1	2	3	12	5	12	6	8	14	0	3	2	26	15	14	0	0	0	4	0	0	2	0	0
Year	11.1	NW.	52	NW.	16	46	31	113	110	78	43	99	208	2	127	72	166	140	108	2	1	0	19	1	9	22	62	0

Annual meteorological summary for the year ending December 31, 1923—Continued

ATLANTIC CITY, N. J.

[ϕ=39° 22′ N.; λ= 74° 25′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	30.020	30.758	29.378	34.0	38.8	36.2	41.9	29.3	35.6	53	15	29	29	29	80	67	74	0.165	0.165	0.166	4.08	1.04	6.5	6.6	5.6	6.2
February	30.075	30.530	29.577	27.6	33.0	31.1	36.3	24.1	30.2	54	8	22	22	23	79	64	72	.130	.130	.134	3.17	1.50	6.0	6.3	4.6	6.0
March	29.992	30.700	28.950	36.8	41.0	40.3	46.9	32.3	39.6	73	15	29	30	32	73	65	73	.171	.179	.194	6.31	1.81	5.6	4.2	3.9	4.5
April	29.936	30.617	29.360	47.4	52.1	47.6	55.8	41.0	48.4	79	15	38	37	40	76	61	77	.240	.233	.268	4.57	1.56	3.8	3.8	4.0	4.0
May	29.910	30.250	29.440	56.2	59.8	55.9	62.5	51.3	56.9	74	40	49	50	50	78	72	81	.358	.367	.365	1.08	.53	4.0	3.9	4.5	3.9
June	29.843	30.159	29.390	70.0	75.0	70.0	78.3	63.2	70.8	95	53	61	61	61	75	65	74	.553	.555	.540	.93	.26	3.5	2.6	4.2	3.0
July	29.944	30.342	29.580	71.7	75.0	72.3	77.5	66.8	72.2	98	61	65	64	65	81	70	79	.625	.601	.620	5.36	2.35	6.5	4.6	5.5	5.0
August	29.932	30.150	29.600	71.1	74.6	71.6	76.8	66.5	71.6	91	55	64	64	65	79	71	80	.611	.614	.622	1.27	.42	4.9	4.6	3.9	4.4
September	30.048	30.448	29.710	66.5	71.7	68.3	73.7	62.0	68.2	81	48	61	60	62	83	68	80	.555	.536	.566	3.06	1.62	4.0	4.8	2.9	4.4
October	30.046	30.357	29.580	54.2	60.7	57.6	63.4	49.9	56.6	75	36	48	48	49	79	65	74	.344	.349	.360	3.43	2.60	4.2	4.5	3.3	4.1
November	30.017	30.560	29.450	43.6	50.3	47.5	52.4	39.6	46.0	63	28	38	38	40	81	63	75	.238	.239	.254	2.56	1.25	5.3	5.7	4.0	5.5
December	30.015	30.779	29.280	41.7	47.5	45.2	50.8	38.3	44.6	62	25	37	36	39	82	67	77	.230	.226	.245	3.53	1.32	6.2	4.9	4.7	5.2
Year	29.982	30.779	28.950	51.7	56.7	53.6	59.7	47.1	53.4	98	8	45	45	46	78	66	76	.352	.350	.360	39.45	2.60	5.0	4.7	4.3	4.7

AUGUSTA, GA.

[ϕ=33° 28′ N.; λ=81° 54′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.952	30.360	29.550	43.5	56.9	53.5	62.2	40.5	51.4	75	31	39	44	43	86	64	69	0.251	0.304	0.287	2.72	2.00	4.8	4.6	3.5	4.9
February	29.986	30.320	29.673	42.4	52.2	50.4	57.3	39.0	48.2	77	23	38	42	42	83	69	73	.258	.297	.289	4.78	1.24	5.6	6.1	4.8	5.8
March	29.902	30.252	29.149	52.6	63.5	60.0	67.9	47.9	57.9	83	29	46	50	50	79	62	70	.333	.379	.376	4.46	1.13	5.9	5.1	4.8	5.5
April	29.822	30.338	29.362	57.9	70.2	67.4	74.6	52.8	63.7	89	33	51	48	52	77	49	60	.392	.363	.398	2.78	.86	6.4	5.2	4.1	5.5
May	29.742	29.990	29.400	66.0	75.6	70.3	78.5	60.5	69.5	88	44	59	57	59	80	56	70	.523	.496	.520	6.01	2.24	7.2	7.1	6.5	6.9
June	29.807	29.996	29.470	74.4	83.9	77.8	87.4	68.3	77.8	96	60	67	63	65	78	53	67	.667	.600	.628	4.21	1.15	5.1	4.9	5.7	5.5
July	29.810	30.060	29.550	76.7	85.5	80.3	89.5	70.5	80.0	99	63	69	67	68	78	55	68	.717	.660	.697	7.03	1.83	6.0	6.1	5.5	6.1
August	29.817	29.950	29.666	76.8	85.2	79.7	89.1	72.6	80.8	96	67	71	71	72	83	63	77	.766	.752	.775	3.36	1.22	6.9	7.2	6.1	6.8
September	29.862	30.229	29.630	71.9	83.4	77.2	86.5	68.3	77.4	94	58	66	65	66	83	54	70	.655	.620	.657	1.62	1.59	5.1	5.6	3.9	5.3
October	29.887	30.192	29.420	57.8	72.0	65.6	75.0	53.9	64.4	85	39	53	56	56	85	59	71	.424	.468	.457	.54	.41	4.5	5.5	3.8	4.8
November	29.906	30.283	29.647	44.8	58.9	53.8	62.4	42.5	52.4	71	30	41	45	45	88	63	72	.209	.309	.304	1.98	1.26	5.3	4.6	4.1	4.8
December	29.947	30.536	29.330	48.9	60.0	56.9	63.9	46.1	55.0	76	30	46	48	48	90	68	74	.327	.360	.353	4.65	2.09	6.7	6.6	4.6	6.5
Year	29.870	30.536	29.149	59.5	70.6	66.1	74.5	55.2	64.9	99	23	54	55	56	82	60	70	.465	.467	.478	44.14	2.24	5.8	5.7	4.8	5.7

BAKER, OREG.

[ϕ=44° 46′ N.; λ=117° 50′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	26.427	26.800	25.910	27.8	33.5	32.2	36.7	23.3	30.0	49	3	23	24	25	82	68	73	0.124	0.129	0.132	0.80	0.22	6.5	7.5	6.7	7.1
February	26.604	26.910	25.490	20.6	31.2	31.6	35.0	16.9	26.0	52	−4	18	21	23	87	66	71	.100	.117	.128	.53	.21	3.6	5.4	4.2	5.4
March	26.524	26.880	26.190	28.2	41.2	43.2	46.5	25.7	36.1	70	11	23	23	24	80	50	48	.121	.127	.128	.36	.18	4.4	5.3	5.5	4.9
April	26.374	26.730	25.972	35.2	50.6	52.6	55.3	32.9	44.1	73	27	30	29	30	80	47	46	.164	.160	.169	1.28	.40	4.5	4.8	5.9	5.1
May	26.404	26.760	26.110	41.9	58.1	58.8	61.6	39.8	50.7	81	29	36	37	37	81	47	48	.212	.223	.224	1.59	.50	5.3	6.7	6.7	7.0
June	26.359	26.630	26.100	47.0	62.5	64.6	67.0	45.6	56.3	88	35	44	45	45	88	53	51	.287	.301	.302	2.54	.60	6.3	6.1	6.6	6.5
July	26.440	26.670	26.102	54.0	76.5	78.5	82.3	52.4	67.4	96	42	46	49	50	75	40	40	.313	.356	.373	.60	.36	1.9	3.3	4.5	4.1
August	26.473	26.620	26.310	52.3	75.2	77.8	80.8	50.5	65.6	95	39	42	46	48	69	36	37	.272	.312	.334	.77	.54	2.4	2.2	3.9	4.0
September	26.474	26.686	26.199	46.9	68.7	72.1	74.3	44.7	59.5	90	35	35	40	40	64	38	35	.204	.253	.246	.36	.19	2.6	2.6	3.7	4.1
October	26.499	26.800	25.946	37.8	51.9	51.5	55.8	35.5	45.6	76	23	34	36	37	84	55	59	.196	.210	.222	2.19	.69	3.9	4.8	4.7	5.4
November	26.577	26.860	26.120	31.6	45.3	43.5	49.1	29.2	38.6	59	22	27	32	32	83	61	65	.149	.178	.181	.38	.27	3.8	3.7	4.3	5.5
December	26.526	27.060	25.940	23.2	32.3	29.2	34.2	18.0	26.1	51	3	20	22	22	85	64	73	.106	.117	.118	1.16	.43	5.0	5.6	6.7	7.7
Year	26.473	27.060	25.490	37.2	52.2	53.0	56.6	34.5	45.5	96	−4	32	34	34	80	52	54	.187	.207	.213	12.56	.69	4.2	4.8	5.3	5.6

BALTIMORE, MD.

[ϕ=39° 17′ N.; λ=76° 37′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.968	30.710	29.390	34.3	39.1	37.2	42.7	30.4	36.6	64	20	26	26	28	71	61	68	0.145	0.149	0.156	4.14	1.10	7.1	6.9	5.5	7.0
February	30.021	30.440	29.490	28.7	34.6	32.5	38.9	25.9	32.4	54	12	21	20	22	71	66	66	.123	.120	.130	2.51	1.46	6.1	6.2	5.8	6.4
March	29.924	30.610	29.000	39.0	48.1	45.5	55.2	33.8	44.8	80	18	28	30	31	66	52	57	.172	.186	.188	4.12	1.46	4.8	4.6	3.8	4.5
April	29.865	30.600	29.230	49.8	58.0	55.7	62.7	44.4	53.6	84	15	37	38	39	61	50	57	.236	.241	.256	3.68	1.26	4.1	4.7	4.0	4.9
May	29.820	30.180	29.290	59.9	68.7	66.7	73.5	54.1	63.8	90	38	47	47	50	63	48	56	.337	.342	.373	2.50	1.18	3.6	4.8	4.3	4.4
June	29.782	30.080	29.310	73.4	81.9	77.1	86.3	67.1	76.7	100	58	59	60	62	62	49	62	.514	.539	.577	1.84	.55	2.5	3.5	4.3	3.3
July	29.862	30.248	29.500	73.2	81.2	77.6	84.8	68.6	76.7	99	59	63	60	63	71	51	63	.563	.543	.561	2.04	.60	5.3	4.6	6.2	5.5
August	29.853	30.060	29.530	70.9	78.7	75.6	83.4	66.3	74.8	96	55	62	63	64	75	60	70	.581	.588	.620	3.14	1.13	5.4	5.8	5.1	5.6
September	29.967	30.419	29.640	66.8	74.4	71.4	77.6	63.3	70.4	86	48	58	58	60	76	60	70	.516	.515	.551	3.85	1.06	5.8	5.0	4.1	5.2
October	29.979	30.300	29.390	52.7	62.4	58.7	66.4	48.5	57.4	82	39	43	44	47	71	54	66	.362	.364	.355	2.83	1.95	4.5	4.0	3.4	4.2
November	29.951	30.490	29.410	42.7	50.5	47.2	53.4	39.5	46.4	66	32	38	37	37	74	61	69	.210	.225	.228	2.04	.93	5.7	5.9	3.9	5.6
December	29.940	30.730	29.200	41.0	47.5	45.1	52.1	38.6	45.4	65	24	34	36	38	78	67	75	.206	.226	.244	3.88	1.26	6.2	6.1	5.2	5.9
Year	29.911	30.730	29.000	52.7	60.4	57.6	64.8	48.4	56.6	100	12	43	43	45	70	56	65	.326	.332	.353	36.66	1.95	5.1	5.2	4.6	5.2

Annual meteorological summary for the year ending December 31, 1928—Continued

ATLANTIC CITY, N. J.

[H_b=52 ft.; h_t=37 ft.; h_r=33 ft.; h_a=172 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	19.9	NW.	72	SE.	12	6	5	1	4	8	5	8	25	0	6	12	13	11	10	7	4	0	0	2	0	20	0	0
February	16.6	NW.	50	NW.	5	12	7	1	3	3	7	10	13	0	10	5	13	12	10	8	5	0	3	10	0	20	0	0
March	21.1	NW.	58	NW.	15	3	4	1	4	11	11	6	21	1	14	9	8	11	9	5	3	0	2	0	0	12	2	0
April	21.1	S.	64	NE.	8	6	6	0	5	12	16	7	8	0	16	6	8	9	8	1	1	0	0	0	0	2	3	0
May	17.0	S.	50	SW.	6	5	8	2	12	15	7	11	2	0	16	8	7	5	4	0	0	0	3	0	0	0	0	0
June	16.4	SW.	50	NW.	3	3	7	1	5	5	19	9	11	0	19	7	4	7	4	0	0	0	0	0	4	0	6	0
July	14.1	S.	35	NE.	0	4	11	6	10	12	8	5	6	0	9	13	9	13	9	0	0	0	2	0	2	0	6	0
August	14.4	S.	44	NW.	2	4	14	3	7	10	16	5	3	0	14	11	6	8	6	0	0	0	0	0	1	0	4	0
September	12.7	S.	34	S.	0	8	3	7	10	9	12	2	9	0	12	14	4	7	6	0	0	0	4	0	0	0	4	0
October	17.8	NW.	82	NE.	4	6	10	0	2	11	6	6	21	0	14	9	8	6	4	0	0	0	0	0	0	0	0	0
November	17.1	NW.	60	NE.	5	9	9	4	3	6	4	11	14	0	11	5	14	6	5	0	0	0	0	0	0	3	1	0
December	16.7	W.	62	SE.	4	2	3	3	4	9	11	14	16	0	12	11	8	12	12	1	1	0	2	0	0	6	1	0
Year	17.1	NW.	82	NE.	64	68	87	29	69	111	122	94	149	1	153	110	102	107	87	22	14	0	16	12	7	63	27	0

AUGUSTA, GA.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	5.9	NW.	27	NW.	0	1	8	5	7	10	4	6	16	5	11	12	8	7	6	0	0	0	4	0	0	2	0	0
February	5.7	NW.	25	W.	0	1	10	4	5	4	12	6	12	2	10	5	13	10	10	0	0	0	6	0	0	10	0	0
March	5.9	NW.	31	S.	0	3	7	6	7	7	6	11	13	2	11	8	12	12	9	0	0	0	0	0	0	2	3	0
April	3.9	S.	14	S.	0	4	12	6	4	10	9	4	7	4	11	6	13	9	9	0	0	1	0	0	0	0	4	0
May	4.4	E.	18	SE.	0	3	7	16	7	12	3	5	6	3	5	8	18	15	13	0	0	0	0	0	0	0	9	0
June	5.1	S.	37	NW.	0	2	4	10	12	11	8	7	6	0	9	11	10	11	10	0	0	0	1	0	8	0	7	0
July	4.4	S.	25	SE.	0	2	6	5	6	16	14	5	7	1	8	10	13	11	9	0	0	0	0	0	16	0	10	0
August	3.9	S.	19	NW.	0	3	1	8	2	12	10	15	8	3	4	15	12	13	11	0	0	0	0	0	15	0	13	0
September	4.8	E.	16	S.	0	3	13	13	9	4	1	3	12	2	7	14	9	4	2	0	0	0	1	0	6	0	4	0
October	4.6	E.	20	N.	0	10	19	9	5	1	1	2	9	6	13	5	13	3	2	0	0	0	1	0	0	0	1	0
November	5.1	NW.	21	W.	0	6	12	3	2	3	3	6	18	7	16	1	13	6	6	0	0	0	2	0	0	2	0	0
December	5.8	S.	33	SW.	0	3	12	5	9	11	3	5	6	8	5	12	14	11	9	0	0	0	7	0	0	1	0	0
Year	5.0	NW.	37	NW.	0	41	111	90	75	101	74	75	120	43	110	107	148	112	96	0	0	1	22	0	45	17	51	0

BAKER, OREG.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	6.3	SE.	30	SW.	0	5	2	2	26	10	3	7	7	0	4	8	19	12	9	16	9	0	2	12	0	27	0	0
February	6.2	SE.	26	S.	0	4	5	1	22	4	3	11	6	0	8	10	10	6	5	7	6	0	0	13	0	28	0	0
March	6.7	SE.	33	SW.	0	7	2	1	23	1	3	9	16	0	11	11	9	7	3	11	5	0	0	3	0	27	0	0
April	6.8	SE.	27	NW.	0	3	2	3	28	4	2	6	12	0	12	9	9	9	6	5	3	0	0	0	0	15	0	0
May	6.6	NW.	31	SW.	0	13	1	2	20	0	1	6	18	1	4	10	17	10	9	1	0	0	0	0	0	3	2	0
June	5.3	SE.	28	NW.	0	9	3	6	19	4	1	6	12	0	5	10	15	15	13	0	0	2	0	0	0	0	6	0
July	5.7	SE.	22	SW.	0	1	3	1	25	2	3	11	16	0	10	16	5	6	5	0	0	0	0	0	5	0	6	0
August	5.3	SE.	18	SE.	0	2	0	1	30	4	0	17	8	0	12	16	3	7	5	0	0	0	0	0	2	0	4	0
September	6.0	SE.	25	NW.	0	5	1	1	27	0	2	9	15	0	16	6	8	3	2	0	0	0	0	0	2	0	0	0
October	5.2	SE.	24	S.	0	4	3	6	21	6	5	14	3	0	12	6	13	10	7	0	0	0	1	0	0	8	0	0
November	6.1	SE.	26	S.	0	2	3	2	30	8	1	8	5	1	11	6	13	5	3	2	0	0	4	0	0	27	0	0
December	6.0	SE.	32	S.	0	3	0	2	35	6	2	10	4	0	4	6	21	8	4	10	8	0	1	12	0	31	0	0
Year	6.0	SE.	33	SW.	0	58	25	28	306	49	26	114	122	2	109	114	142	98	71	52	31	2	8	40	9	166	18	0

BALTIMORE, MD.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	6.4	NW.	21	W.	0	10	6	7	5	6	11	5	12	0	4	13	14	13	10	8	5	0	2	2	0	21	0	0
February	6.4	N.	34	W.	0	8	8	3	6	5	9	5	11	0	6	9	13	11	7	7	3	0	3	7	0	20	0	0
March	7.2	SW.	26	SW.	0	8	4	3	7	9	11	9	11	0	17	5	9	10	8	4	2	0	1	0	0	11	0	0
April	7.1	S.	31	NE.	0	6	8	1	7	13	11	6	6	2	13	7	10	9	6	1	1	0	0	0	0	4	3	0
May	6.6	S.	27	S.	0	9	9	3	5	19	6	5	5	1	13	10	8	9	6	1	0	0	0	0	1	0	1	0
June	5.6	SW.	24	SW.	0	8	2	4	4	6	19	6	11	0	19	7	4	9	6	0	0	0	0	0	11	0	6	0
July	5.6	S.	26	NE.	0	3	12	7	10	14	7	5	4	0	10	11	10	12	8	0	0	0	0	0	6	0	11	0
August	5.3	S.	22	SW.	0	10	8	6	9	13	9	2	4	1	8	12	11	10	10	0	0	0	1	0	8	0	8	0
September	4.9	SE.	17	NE.	0	16	1	7	14	9	4	4	2	3	10	10	10	10	8	0	0	0	1	0	0	0	1	0
October	5.6	NW.	26	NE.	0	15	5	6	4	8	4	3	16	1	15	9	7	6	4	0	0	0	2	0	0	0	0	0
November	5.4	N.	23	NE.	0	13	8	4	5	8	6	4	12	0	10	8	12	9	4	0	0	0	1	0	0	3	0	0
December	5.2	SW.	26	SW.	0	9	8	3	2	7	12	6	11	4	11	8	12	15	11	3	1	0	5	0	0	5	0	0
Year	5.9	S.	34	W.	0	115	79	54	78	118	109	60	105	12	136	109	120	122	88	24	12	0	16	9	26	64	30	0

Annual meteorological summary for the year ending December 31, 1923—Continued

BINGHAMTON, N. Y.

[ϕ=42° 06′ N.; λ=75° 55′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.080	29.800	28.500	22.6	26.4	----	31.1	15.1	23.1	44	−11	18	19	----	81	73	----	0.104	0.107	----	3.48	1.06	9.3	8.0	----	8.5
February	29.118	29.611	28.580	18.9	24.9	----	29.1	11.7	20.4	45	2	15	14	----	84	62	----	.092	.069	----	1.57	.28	9.4	7.1	----	7.8
March	29.029	29.711	28.270	28.2	35.4	----	41.4	22.0	31.7	59	6	22	24	----	77	62	----	.129	.138	----	1.26	.66	6.9	6.0	----	6.8
April	29.019	29.650	28.520	40.7	51.6	----	57.2	34.6	45.9	84	7	31	31	----	68	46	----	.183	.187	----	2.23	.98	5.5	5.7	----	6.5
May	29.018	29.410	28.440	50.3	62.7	----	68.5	42.2	55.4	83	32	44	49	----	78	63	----	.292	.354	----	3.17	1.64	3.5	4.7	----	4.0
June	28.974	29.274	28.450	64.1	76.7	----	80.6	56.1	68.4	93	41	58	62	----	80	62	----	.492	.566	----	3.64	1.29	3.9	5.2	----	5.1
July	29.084	29.463	28.760	64.2	76.6	----	81.3	57.1	69.2	92	47	58	61	----	82	60	----	.492	.543	----	2.26	.75	5.5	5.5	----	5.7
August	29.054	29.259	28.630	60.7	74.8	----	80.0	53.9	67.0	91	43	56	59	----	84	60	----	.462	.514	----	2.19	1.40	5.6	5.0	----	5.2
September	29.161	29.614	28.890	57.2	68.8	----	72.2	52.9	62.6	87	35	54	54	----	88	62	----	.434	.448	----	3.55	1.20	7.2	7.7	----	7.3
October	29.160	29.520	28.680	43.0	56.3	----	60.3	38.8	49.6	80	29	39	42	----	88	60	----	.248	.276	----	3.31	2.44	7.7	6.1	----	6.3
November	29.102	29.617	28.533	36.4	43.6	----	47.1	32.7	39.9	61	22	32	33	----	83	68	----	.183	.194	----	1.59	.64	8.4	7.6	----	7.4
December	29.065	29.780	28.250	35.0	40.1	----	43.4	30.6	37.0	61	16	30	30	----	80	66	----	.169	.170	----	2.69	.48	8.6	8.3	----	8.2
Year	29.072	29.800	28.250	43.4	53.2	----	57.7	37.3	47.5	93	−11	38	40	----	81	62	----	.273	.290	----	30.94	2.44	6.8	6.4	----	6.6

BIRMINGHAM, ALA.

[ϕ=33° 32′ N.; λ=86° 50′ W.]

Month	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
January	29.393	29.770	29.042	45.6	56.1	54.0	60.7	42.8	51.8	73	28	39	38	39	78	55	60	0.250	0.250	0.259	3.82	1.73	3.9	4.9	4.7	4.8
February	29.460	29.900	29.120	39.9	49.1	47.6	54.6	37.1	45.8	79	15	33	32	33	78	56	60	.226	.215	.220	5.87	1.74	5.1	5.3	5.0	5.3
March	29.356	29.630	28.780	46.6	58.4	56.9	65.1	42.8	54.0	81	21	38	38	38	73	50	52	.251	.252	.256	5.15	1.80	4.9	5.3	5.6	5.2
April	29.269	29.720	28.860	55.8	68.6	65.5	72.7	51.7	62.2	85	28	47	47	48	74	50	56	.353	.347	.353	7.58	2.18	4.9	4.4	4.5	4.7
May	29.158	29.420	29.910	63.8	74.0	70.0	78.4	59.5	69.0	86	41	58	58	58	82	60	68	.495	.501	.501	7.27	1.49	5.6	6.8	6.0	6.2
June	29.266	29.470	28.980	72.4	83.2	77.9	86.0	67.9	77.0	94	53	66	65	65	80	54	66	.636	.621	.620	2.10	.72	4.2	6.6	5.1	5.2
July	29.281	29.490	29.070	73.1	83.7	78.8	87.7	69.3	78.5	95	60	67	67	68	83	59	70	.675	.663	.680	6.42	2.01	3.7	5.8	5.0	4.9
August	29.290	29.430	29.150	72.5	83.3	78.4	87.0	69.8	78.4	95	58	70	70	70	90	67	76	.725	.748	.730	6.90	1.46	5.3	6.1	4.9	5.6
September	29.322	29.570	29.100	68.4	83.1	75.9	86.1	65.6	75.8	91	58	64	63	64	85	53	67	.593	.592	.598	1.50	1.29	3.3	4.9	2.3	3.9
October	29.344	29.580	28.780	55.2	72.3	64.1	74.7	52.5	63.6	89	35	48	47	48	77	43	58	.349	.343	.354	1.60	1.14	3.5	3.7	3.0	3.5
November	29.361	29.710	29.010	44.4	58.7	54.0	61.7	42.3	52.0	73	32	38	38	40	78	51	62	.235	.244	.260	5.50	2.29	4.5	4.3	3.7	4.6
December	29.375	29.810	28.800	50.8	57.5	54.0	60.7	45.9	53.3	73	28	46	48	46	85	72	76	.340	.357	.330	5.30	1.08	7.9	7.4	7.4	7.9
Year	29.323	29.900	28.780	57.4	69.0	64.8	73.0	53.9	63.4	95	15	51	51	51	80	56	64	.427	.428	.430	59.01	2.29	4.7	5.5	4.8	5.2

BISMARCK, N. DAK.

[ϕ=46° 47′ N.; λ=100° 38′ W.]

Month	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
January	28.205	28.670	27.630	7.5	15.2	15.7	23.5	1.1	12.3	44	−20	5	11	13	90	83	86	0.057	0.075	0.083	0.29	0.11	4.9	7.1	7.5	7.1
February	28.398	29.060	27.760	2.5	10.6	11.0	17.6	−3.2	7.2	45	−28	0	5	8	90	81	86	.050	.068	.071	.46	.30	4.7	5.0	6.0	5.2
March	28.249	28.910	27.520	15.4	25.1	26.0	32.1	10.6	21.4	54	−16	11	15	17	80	66	67	.075	.091	.103	.28	.18	6.5	6.7	6.8	6.0
April	28.173	28.493	27.550	31.8	48.4	48.0	52.7	29.5	41.1	81	16	26	29	30	79	59	52	.144	.161	.170	2.01	.82	4.1	6.0	6.2	5.6
May	28.185	28.710	27.880	48.0	63.8	64.1	68.1	44.4	56.2	87	25	40	41	40	74	47	44	.261	.285	.271	1.01	.48	4.8	5.4	5.0	5.4
June	28.137	28.492	27.696	59.5	74.1	75.4	77.9	55.3	66.6	88	40	54	55	55	81	53	51	.422	.442	.446	1.99	.64	3.5	6.0	5.2	5.0
July	28.226	28.409	27.810	65.7	80.0	80.4	84.7	61.9	73.3	94	52	61	63	62	86	57	55	.547	.579	.565	4.77	1.22	4.8	5.5	5.0	5.3
August	28.282	28.580	28.030	55.3	72.6	71.7	77.0	53.8	65.4	89	43	50	52	53	83	51	54	.369	.400	.412	.63	.26	4.5	5.5	5.6	5.7
September	28.222	28.556	27.670	51.3	68.0	67.1	73.1	48.9	61.0	94	34	45	46	47	80	49	52	.309	.319	.334	2.83	.93	5.6	4.8	5.6	5.7
October	28.346	28.799	27.600	37.4	52.8	46.3	56.7	34.4	45.6	72	16	34	35	35	86	84	60	.207	.223	.230	1.03	.68	5.6	5.2	4.5	5.3
November	28.229	28.680	27.780	30.7	45.8	40.8	50.3	27.4	38.8	63	8	27	31	29	84	59	63	.148	.175	.160	.29	.16	4.3	5.2	4.7	5.4
December	28.229	28.750	27.360	18.6	31.2	26.6	37.0	13.8	25.4	56	−17	13	19	15	77	62	60	.080	.116	.089	.22	.21	4.3	4.7	3.1	4.8
Year	28.240	29.060	27.360	35.3	49.0	47.9	54.2	31.5	42.9	94	−28	30	34	34	82	59	61	.222	.244	.244	15.81	1.22	4.8	5.6	5.4	5.5

BLOCK ISLAND, R. I.

[ϕ=41° 10′ N.; λ=71° 36′ W.]

Month	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
January	29.993	30.740	29.310	29.2	32.0	30.1	36.0	23.4	29.7	53	13	24	26	25	80	77	79	0.137	0.147	0.136	5.43	1.03	6.5	5.7	5.1	6.8
February	30.041	30.580	29.490	24.0	26.9	26.1	30.8	20.1	25.4	43	7	19	21	20	80	75	78	.110	.117	.113	1.85	.30	6.1	5.8	4.8	6.2
March	29.957	30.740	28.690	31.5	34.7	33.0	38.7	26.6	32.6	52	7	28	29	28	80	78	80	.150	.166	.159	4.63	1.44	5.3	4.1	3.5	5.1
April	29.915	30.619	29.240	41.4	47.2	41.7	50.4	37.1	43.8	70	14	36	40	38	81	83	86	.218	.261	.230	5.76	2.21	4.4	3.6	3.7	5.0
May	29.921	30.260	29.430	50.9	57.1	49.9	59.3	45.4	52.4	70	38	46	50	46	83	77	87	.311	.360	.310	.41	.23	3.2	3.1	3.2	3.5
June	29.827	30.175	29.290	62.1	67.0	61.7	69.8	56.2	63.0	88	49	57	60	57	83	79	85	.469	.524	.471	1.81	.88	4.6	4.3	5.7	5.1
July	29.972	30.364	29.590	65.6	70.4	65.0	73.0	60.1	66.6	90	54	61	64	62	86	81	89	.540	.601	.551	2.03	.59	5.6	5.1	5.0	4.9
August	29.955	30.190	29.480	65.0	70.3	64.9	72.5	60.4	66.4	80	53	60	63	61	85	79	87	.520	.583	.537	1.10	.70	4.5	3.3	2.8	4.5
September	30.077	30.430	29.660	62.1	67.0	62.3	69.4	58.4	63.9	78	50	56	57	57	82	73	84	.466	.485	.479	3.39	1.76	5.5	3.5	3.3	4.7
October	30.050	30.423	29.320	52.7	57.0	54.3	59.3	48.9	54.1	68	38	47	50	48	83	78	80	.335	.367	.344	3.76	1.60	4.1	4.5	3.7	4.8
November	30.015	30.590	29.320	43.8	47.8	45.6	49.8	40.3	45.0	59	30	39	42	40	82	81	83	.242	.278	.258	2.62	1.44	5.7	5.3	4.9	6.1
December	29.987	30.770	29.120	40.5	43.9	41.7	46.6	37.0	41.8	58	23	35	38	35	80	80	78	.211	.238	.227	4.78	2.24	5.8	6.4	4.5	6.6
Year	29.976	30.770	28.690	47.4	51.8	48.0	54.6	42.8	48.7	90	7	42	45	43	82	78	83	.310	.344	.317	27.57	2.24	5.1	4.6	4.2	5.3

Annual meteorological summary for the year ending December 31, 1923—Continued

BINGHAMTON, N. Y.

[H_b=871 ft.; h_t=10 ft.; h_r=3 ft.; h_a=84 ft.]

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorms	Auroras
	Miles		*Mi.*																									
January	6.6	NW.	24	NW.	0	0	7	4	3	1	2	4	10	0	3	4	24	18	13	25	15	0	0	16	0	31	0	0
February	7.1	NW.	30	NW.	0	1	4	2	0	1	2	8	10	0	2	7	19	17	13	18	12	0	0	15	0	28	0	0
March	8.2	NW.	44	S.	1	1	0	5	1	3	4	7	10	0	5	13	13	9	6	16	4	0	0	7	0	25	0	0
April	7.3	NW.	34	SW.	0	1	7	1	3	1	4	5	7	1	8	6	16	12	8	5	1	0	0	1	0	12	1	0
May	6.2	NW.	29	SW.	0	5	9	3	1	1	4	4	4	0	17	6	8	8	7	2	1	1	0	0	0	0	2	0
June	4.6	NW.	30	SW.	0	1	3	5	0	3	2	8	8	0	11	8	11	14	11	0	0	0	0	0	5	0	7	0
July	4.4	N.	22	SW.	0	6	9	5	1	1	1	5	3	0	8	12	11	13	10	0	0	0	0	0	2	0	3	0
August	4.9	NW.	28	SW.	0	1	8	4	1	3	2	5	7	0	9	14	8	5	3	0	0	0	0	0	1	0	4	0
September	4.0	E.	22	SW.	0	1	6	6	2	3	3	5	4	0	2	13	15	12	7	0	0	1	3	0	0	0	3	0
October	4.8	W.	28	NW.	0	1	7	3	1	3	4	6	6	0	8	8	15	10	8	1	0	0	6	0	0	5	2	0
November	5.7	NW.	24	NW.	0	2	9	2	1	2	3	2	9	0	5	6	19	12	8	5	1	0	1	1	0	17	0	0
December	6.4	NW.	42	SW.	1	0	8	6	1	1	4	4	7	0	1	8	22	16	13	9	6	0	0	3	0	19	0	0
Year	5.8	NW.	44	S.	2	20	77	46	15	23	35	63	85	1	79	105	181	146	107	81	40	2	10	43	8	137	22	0

BIRMINGHAM, ALA.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	8.3	S.	29	E.	0	9	3	6	7	17	8	4	8	0	14	7	10	10	7	0	0	0	0	0	0	3	3	0
February	7.8	N.	24	S.	0	24	0	2	7	7	3	3	10	0	12	4	12	12	10	2	0	0	0	0	0	12	1	0
March	9.1	N.	45	S.	2	16	4	2	12	10	5	2	11	0	12	7	12	16	11	1	0	0	0	0	0	4	5	0
April	7.4	S.	40	SE.	1	14	4	2	10	11	7	5	7	0	13	7	10	12	11	0	0	0	0	0	0	1	11	0
May	7.1	E.	30	S.	0	7	5	15	8	13	3	5	6	0	7	8	16	19	13	0	0	1	0	0	0	0	13	0
June	5.3	S.	22	S.	0	4	5	7	11	11	10	2	10	0	10	11	9	9	6	0	0	0	0	0	5	0	11	0
July	4.4	NW.	20	S.	0	1	6	3	10	6	13	10	12	1	10	13	8	10	9	0	0	0	0	0	12	0	9	0
August	4.4	S.	21	NW.	0	8	6	7	1	22	15	2	1	0	8	14	9	16	12	0	0	0	1	0	4	0	12	0
September	4.7	N.	18	SE.	0	15	8	6	10	5	3	2	7	4	12	14	4	3	2	0	0	0	0	0	4	0	4	0
October	6.9	N.	33	SE.	0	22	4	8	12	2	2	2	9	1	18	6	7	6	3	0	0	0	0	0	0	0	1	0
November	6.1	NW.	30	SE.	0	9	5	5	6	4	7	8	16	0	14	5	11	8	8	0	0	0	0	0	0	1	1	0
December	8.7	S.	37	S.	0	9	6	5	11	14	4	8	5	0	5	3	23	15	12	0	0	0	0	0	0	2	0	0
Year	6.7	N.	45	S.	3	138	56	68	105	122	80	53	102	6	135	99	131	136	104	3	0	1	1	0	25	23	71	0

BISMARCK, N. DAK.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	7.9	NW.	39	NW.	0	2	6	12	8	6	1	6	18	3	5	7	19	6	4	15	6	0	1	19	0	31	0	1
February	11.3	NW.	42	W.	1	1	4	6	0	7	1	18	19	0	9	10	9	3	3	11	3	0	0	22	0	28	0	0
March	11.2	NW.	36	NW.	0	6	4	7	4	8	3	8	21	1	8	9	14	4	3	17	4	0	0	17	0	30	0	0
April	8.4	NW.	32	SW.	0	16	5	8	6	6	1	3	13	2	9	11	10	8	6	10	5	0	0	3	0	20	2	0
May	9.9	SE.	36	N.	0	10	7	7	10	13	1	3	10	1	8	15	8	7	5	1	0	0	0	0	0	4	1	0
June	10.2	SE.	48	NW.	2	4	6	9	12	12	8	5	3	1	8	12	10	14	10	0	0	2	0	0	0	0	7	0
July	8.1	SE.	42	N.	2	9	6	15	11	9	1	1	8	2	8	14	9	12	11	0	0	0	0	0	6	0	10	0
August	6.8	NW.	36	NW.	0	15	5	12	4	3	8	2	12	1	8	13	10	4	4	0	0	0	1	0	0	0	3	0
September	8.9	N.	26	N.	0	10	6	10	6	8	2	0	16	2	11	6	13	11	10	0	0	1	1	0	2	0	3	2
October	8.5	NW.	36	S.	0	8	3	11	8	7	2	4	19	0	14	3	14	5	4	5	0	0	0	0	0	15	2	0
November	8.0	NW.	35	N.	0	8	4	5	5	2	7	6	23	0	10	8	12	4	2	3	1	0	0	1	0	25	0	0
December	7.8	NW.	46	NW.	1	9	4	3	5	5	5	7	24	0	13	11	7	2	2	6	2	0	0	6	0	31	0	0
Year	8.9	NW.	48	NW.	6	98	60	105	79	86	40	63	186	13	111	119	135	80	64	68	21	3	3	68	8	184	28	3

BLOCK ISLAND, R. I.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	23.8	NW.	58	NW.	16	4	8	2	5	2	5	10	26	0	6	7	18	14	14	10	8	0	1	11	0	28	0	0
February	20.5	NW.	60	NW.	10	3	8	1	5	1	8	10	20	0	7	7	14	13	9	9	9	0	1	15	0	26	0	0
March	21.4	SW.	60	NW.	10	3	6	2	4	2	16	12	17	0	13	6	12	13	10	6	2	0	4	7	0	23	2	0
April	20.1	SW.	48	NW.	5	4	5	3	9	10	22	7	9	0	13	6	11	13	10	0	0	1	4	1	0	3	1	0
May	15.0	SW.	41	SW.	2	1	4	3	8	10	23	5	8	0	19	6	6	5	3	0	0	0	7	0	0	0	0	0
June	15.3	SW.	42	SW.	1	4	3	3	12	1	18	17	2	0	9	13	8	12	8	0	0	0	2	0	0	0	6	0
July	11.0	SW.	58	N.	1	10	5	6	7	9	21	4	0	0	15	4	12	9	8	0	0	1	3	0	1	0	3	0
August	13.1	SW.	38	SW.	0	5	6	6	3	11	20	3	8	0	14	9	8	3	3	0	0	0	9	0	0	0	2	0
September	12.3	SW.	36	NW.	0	4	7	9	7	8	16	3	6	0	14	6	10	7	5	0	0	0	4	0	0	0	1	0
October	18.3	SW.	60	NE.	7	4	12	0	2	2	17	10	15	0	15	3	13	10	9	0	0	0	2	0	0	0	1	1
November	17.6	NW.	50	W.	7	7	14	2	3	4	5	9	14	0	10	4	16	9	7	0	0	0	1	0	0	2	0	0
December	20.9	NW.	48	NW.	13	4	5	4	5	1	13	10	20	0	9	4	18	12	11	3	3	0	1	2	0	9	0	0
Year	17.4	SW.	60	NE.	72	53	83	41	63	61	184	100	145	0	144	75	146	120	97	28	22	2	30	36	1	91	16	1

Annual meteorological summary for the year ending December 31, 1928—Continued

BOISE, IDAHO

[ϕ=43° 37′ N.; λ=116° 13′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	27.212	27.600	26.760	33.7	38.6	38.3	42.8	28.2	35.5	59	10	25	26	26	70	60	61	0.135	0.138	0.141	1.62	0.89	6.2	7.7	7.4	7.9
February	27.370	27.730	26.407	25.5	35.6	38.1	39.8	21.6	30.7	56	4	19	19	23	74	49	54	.103	.104	.124	.21	.12	3.6	4.2	4.7	4.2
March	27.261	27.680	26.890	33.2	45.8	49.4	51.1	30.0	40.6	74	17	23	21	21	65	38	33	.122	.114	.113	.24	.12	3.7	5.6	5.1	5.0
April	27.094	27.460	26.745	42.2	54.9	57.7	60.0	38.7	49.4	80	30	32	30	28	68	41	36	.179	.166	.157	1.09	.45	5.5	6.3	5.4	5.8
May	27.086	27.530	26.759	47.6	63.3	66.2	68.6	45.1	56.8	88	33	38	37	37	71	41	38	.232	.224	.228	1.76	.98	5.2	5.6	5.4	5.3
June	27.054	27.320	26.768	52.4	68.2	71.3	74.4	50.8	62.6	94	41	46	45	43	82	45	39	.319	.306	.283	2.05	.55	5.3	5.3	5.4	5.1
July	27.099	27.370	26.760	62.8	83.8	88.5	90.5	60.4	75.4	100	49	48	48	46	61	30	24	.347	.345	.320	.68	.42	2.4	2.3	3.4	2.5
August	27.134	27.320	26.940	60.4	81.8	86.2	88.3	57.9	73.1	99	50	45	45	44	57	28	24	.298	.304	.292	.20	.15	2.8	2.4	2.6	2.5
September	27.151	27.365	26.848	54.9	75.0	78.0	79.6	51.8	65.7	97	41	39	39	41	58	31	30	.245	.245	.268	.55	.51	2.5	2.8	2.6	2.8
October	27.221	27.540	26.780	43.6	56.0	56.5	59.9	40.4	50.2	78	29	37	37	38	79	50	52	.226	.224	.232	2.73	1.13	4.9	5.0	5.2	5.2
November	27.318	27.610	26.890	36.8	49.9	48.3	52.8	32.3	42.6	61	23	30	32	33	78	50	56	.169	.178	.190	.55	.46	2.9	4.5	3.8	4.5
December	27.304	27.880	26.730	28.5	35.7	35.3	38.8	24.5	31.6	54	15	22	24	25	76	61	65	.116	.127	.134	.79	.26	4.9	5.4	5.2	5.8
Year	27.192	27.880	26.407	43.5	57.4	59.5	62.2	40.1	51.2	100	4	34	34	34	70	44	43	.208	.206	.207	12.47	1.13	4.2	4.8	4.7	4.7

BOSTON, MASS.

[ϕ=42° 21′ N.; λ=71° 04′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.891	30.650	29.250	24.8	29.5	27.9	34.4	19.5	27.0	55	5	17	20	19	70	66	69	0.107	0.117	0.116	6.07	1.42	6.8	6.7	6.1	6.7
February	29.933	30.500	29.360	20.3	26.5	25.4	30.2	16.6	23.4	45	2	11	12	10	65	53	52	.079	.082	.077	1.48	.54	5.7	5.7	4.0	5.8
March	29.832	30.590	28.760	31.6	37.3	35.6	42.5	25.3	33.9	67	4	18	22	22	58	55	58	.120	.137	.134	2.49	.83	6.3	5.1	4.5	5.5
April	29.797	30.500	29.080	44.9	53.3	49.2	57.9	38.4	48.2	87	13	32	34	35	61	49	61	.195	.210	.221	5.26	1.84	5.6	5.0	5.6	5.4
May	29.809	30.151	29.350	56.8	61.9	57.6	66.5	48.6	57.6	89	35	43	45	45	62	56	65	.285	.304	.303	.83	.37	4.4	4.5	4.6	4.8
June	29.708	30.100	29.130	67.6	74.9	69.4	79.0	59.6	69.3	96	47	54	57	56	64	57	66	.440	.482	.468	2.03	1.18	5.4	6.4	7.0	5.7
July	29.863	30.270	29.500	68.8	72.7	69.6	77.7	62.2	70.0	94	56	57	58	58	68	63	70	.469	.487	.495	3.36	1.09	6.2	7.0	6.0	6.6
August	29.833	30.070	29.320	66.5	73.3	69.0	78.2	60.7	69.4	94	51	57	60	59	73	64	72	.480	.528	.517	1.86	.78	4.6	4.5	2.1	4.6
September	29.973	30.290	29.590	61.6	67.5	63.3	71.6	56.8	64.2	82	47	54	54	55	77	66	75	.436	.442	.441	.38	.28	6.1	5.3	4.9	5.1
October	29.947	30.312	29.220	51.8	59.7	55.5	63.5	47.5	55.5	81	35	43	42	44	74	56	66	.293	.284	.298	3.37	1.98	5.3	4.4	2.8	4.6
November	29.923	30.480	29.110	41.4	48.5	45.4	51.5	37.8	44.6	62	28	33	34	36	71	60	70	.194	.205	.218	2.73	1.74	5.5	5.8	4.6	5.8
December	29.884	30.690	28.970	38.0	43.7	40.7	46.6	34.3	40.4	62	19	31	34	33	74	68	74	.180	.204	.199	4.98	2.29	6.1	6.3	4.8	6.5
Year	29.866	30.690	28.760	47.8	54.1	50.7	58.3	42.3	50.3	96	2	38	39	39	68	59	66	.273	.290	.291	34.89	2.29	5.7	5.6	4.8	5.6

BROKEN ARROW, OKLA.

[ϕ=36° 02′ N.; λ=95° 49′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.230	29.680	28.830	38.9	52.1	----	57.9	35.2	46.6	72	24	32	36	----	78	58	----	0.191	0.228	----	4.08	3.68	5.4	5.5	----	5.6
February	29.409	30.000	28.800	30.9	38.9	----	45.2	28.0	36.6	65	11	25	27	----	78	63	----	.145	.158	----	.70	.25	6.2	6.9	----	6.5
March	29.216	29.710	28.270	37.2	49.2	----	57.1	34.5	45.8	77	9	32	33	----	80	57	----	.193	.202	----	4.22	2.54	6.4	6.5	----	5.7
April	29.126	29.490	28.570	51.2	63.5	----	68.5	48.5	58.5	84	33	45	47	----	81	59	----	.318	.345	----	3.82	1.06	5.6	5.6	----	5.8
May	29.041	29.451	28.560	59.6	68.8	----	73.8	56.4	65.1	86	40	56	57	----	87	68	----	.456	.487	----	6.68	2.36	6.1	6.3	----	5.6
June	29.102	29.360	28.720	70.4	79.7	----	83.9	67.8	75.8	97	55	67	68	----	90	68	----	.672	.687	----	6.43	3.62	5.3	6.3	----	5.2
July	29.155	29.370	28.890	74.1	87.8	----	91.6	70.7	81.2	100	64	69	69	----	84	54	----	.719	.707	----	1.17	1.15	5.1	5.3	----	4.9
August	29.155	29.330	28.880	73.2	90.4	----	95.1	71.0	83.0	107	58	64	63	----	75	43	----	.610	.552	----	2.28	1.90	4.1	4.2	----	3.8
September	29.195	29.350	28.960	64.8	78.4	----	82.5	63.5	73.0	94	55	62	62	----	91	62	----	.566	.578	----	4.26	1.27	5.8	4.9	----	5.0
October	29.306	29.670	28.740	50.4	61.3	----	65.1	48.7	56.9	80	30	48	49	----	94	67	----	.357	.375	----	9.93	3.88	6.2	6.2	----	6.0
November	29.284	29.560	28.900	42.4	56.3	----	59.4	41.0	50.2	72	31	40	42	----	90	63	----	.251	.281	----	4.28	1.64	4.6	4.6	----	4.5
December	29.247	29.744	28.650	38.8	46.8	----	51.0	35.0	43.0	71	9	36	38	----	90	74	----	.225	.246	----	3.72	2.49	5.3	6.2	----	6.1
Year	29.206	30.000	28.270	52.7	64.4	----	69.3	50.0	59.6	107	9	48	49	----	85	61	----	.392	.406	----	51.57	3.98	5.5	5.7	----	5.4

BROWNSVILLE, TEX.

[ϕ=26° 00′ N.; λ=97° 28′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	30.007	30.480	29.670	62.0	73.7	68.6	75.9	59.4	67.6	85	42	58	57	59	88	57	72	0.516	0.488	0.519	0.13	0.05	4.6	4.6	3.8	4.1
February	30.042	30.400	29.670	58.7	67.0	62.0	69.6	55.4	62.5	83	31	56	57	57	92	73	85	.495	.507	.501	7.64	3.27	7.1	7.5	7.9	7.3
March	29.956	30.490	29.520	59.8	69.5	65.8	72.4	57.5	65.0	84	39	55	54	55	87	61	71	.482	.468	.477	1.32	.46	5.7	6.1	6.4	5.3
April	29.819	30.180	29.580	69.9	80.3	74.9	82.6	68.8	75.7	95	57	68	68	68	94	67	80	.695	.689	.694	.35	.21	7.0	5.6	6.0	5.4
May	29.744	30.110	29.425	74.7	86.3	80.3	88.4	72.8	80.6	95	64	71	68	70	89	56	72	.770	.701	.749	.48	.41	3.3	2.6	4.1	3.0
June	29.804	29.960	29.650	78.1	87.3	83.0	89.9	76.1	83.0	92	73	74	71	72	88	59	71	.846	.764	.796	1.98	1.60	3.0	5.0	3.3	3.8
July	29.890	30.050	29.750	77.6	88.4	83.8	91.2	76.1	83.6	95	71	74	69	72	89	54	68	.845	.720	.779	1.53	1.16	2.5	3.5	2.5	2.9
August	29.880	30.070	29.690	77.6	89.6	84.3	92.2	76.7	84.4	95	74	74	69	72	90	52	67	.849	.712	.783	1.34	.48	1.9	3.4	1.5	2.8
September	29.870	30.000	29.670	76.5	87.6	82.1	90.2	75.7	83.0	95	72	74	70	73	91	57	74	.827	.733	.808	4.55	2.12	4.1	4.5	4.1	4.4
October	29.900	30.270	29.460	67.7	78.4	73.3	81.2	66.4	73.8	90	53	64	63	65	89	63	76	.620	.608	.632	5.45	2.36	5.0	5.7	4.7	5.4
November	30.022	30.250	29.710	59.4	67.2	63.2	69.7	57.9	63.8	82	44	56	57	58	90	71	84	.467	.473	.496	3.34	1.86	7.7	7.1	6.3	7.6
December	29.999	30.490	29.640	58.6	64.5	62.1	67.5	56.2	61.8	78	42	56	57	58	92	78	86	.484	.507	.507	2.86	1.19	7.8	7.8	7.6	8.5
Year	29.911	30.490	29.425	68.4	78.3	73.6	80.9	66.6	73.7	95	31	65	63	65	90	62	76	.658	.614	.645	30.97	3.27	5.0	5.3	4.8	5.0

Annual meteorological summary for the year ending December 31, 1923—Continued

BOISE, IDAHO

[H_b=2,739 ft.; h_i=78 ft.; h_r=72 ft.; h_a=86 ft.]

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorms	Auroras
	Miles		*Mi.*																									
January	5.6	SE.	28	SE.	0	8	0	4	18	8	1	5	15	3	2	7	22	11	7	12	8	0	0	4	0	20	0	1
February	4.5	SE.	26	W.	0	6	1	0	18	7	2	8	9	5	14	6	8	4	3	7	4	0	0	9	0	27	0	0
March	6.5	NW.	36	N.	0	7	3	2	16	2	0	7	19	6	11	11	9	5	2	8	1	1	0	0	0	21	0	0
April	6.2	SE.	34	SE.	0	7	4	4	13	5	3	9	12	3	7	12	11	12	6	2	0	3	0	0	0	2	1	0
May	5.9	NW.	30	W.	0	7	0	4	12	2	2	10	21	4	10	15	6	12	5	0	0	1	0	0	0	0	6	0
June	4.6	W.	29	W.	0	8	2	5	10	4	2	12	13	4	10	9	11	14	9	0	0	2	0	0	2	0	7	0
July	4.8	NW.	30	SE.	0	4	4	3	8	7	2	13	15	6	22	6	3	5	4	0	0	0	0	0	21	0	8	0
August	4.4	SE	24	NW.	0	1	2	1	16	3	3	15	13	8	21	7	3	3	1	0	0	0	0	0	10	0	2	0
September	4.2	SE.	20	NW.	0	7	1	1	9	2	4	12	17	7	21	5	4	3	1	0	0	0	0	0	4	0	0	0
October	4.2	SE.	27	W.	0	7	0	6	16	5	0	8	16	4	12	8	11	7	7	0	0	1	0	0	0	2	0	0
November	3.3	SE.	29	W.	0	9	5	2	12	2	2	5	17	6	14	8	8	5	3	1	0	0	0	0	0	15	0	0
December	4.6	SE.	26	SE.	0	7	0	6	17	4	0	7	20	1	9	13	9	6	4	8	3	0	3	4	0	27	0	0
Year	4.9	SE.	36	N.	0	78	22	38	165	51	21	111	187	57	153	107	105	87	52	38	16	8	3	17	37	114	24	1

BOSTON, MASS.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	11.6	NW.	42	NE.	1	9	1	6	2	3	3	18	20	0	8	5	18	16	16	18	12	0	1	12	0	29	0	0
February	11.1	W.	35	W.	0	8	2	2	3	2	5	22	12	0	8	10	10	10	8	13	8	0	0	18	0	28	0	0
March	12.5	W.	49	W.	3	3	3	0	3	6	15	22	10	0	11	10	10	11	8	9	5	0	0	5	0	25	0	2
April	12.6	W.	41	S.	2	10	5	4	3	4	13	14	7	0	9	12	9	12	9	1	0	0	0	0	0	5	1	0
May	9.8	W.	32	S.	0	11	2	8	5	8	11	9	8	0	13	11	7	7	3	0	0	0	0	0	0	0	0	0
June	9.9	W.	35	W.	0	4	4	8	3	3	9	23	6	0	6	18	6	7	7	0	0	0	0	0	7	0	4	0
July	7.6	SW.	25	W.	0	6	5	11	2	7	16	9	6	0	7	11	13	8	7	0	0	1	3	0	2	0	2	0
August	9.1	W.	32	SW.	0	4	1	2	6	10	17	17	5	0	10	15	6	7	6	0	0	0	0	0	3	0	4	0
September	7.7	E.	26	NW.	0	7	4	9	9	4	9	9	9	0	8	17	5	6	2	0	0	0	0	0	0	0	2	1
October	10.0	W.	35	SW.	0	7	3	2	4	4	16	14	12	0	13	13	5	8	8	0	0	0	2	0	0	0	0	0
November	9.1	W.	31	SE.	0	13	3	2	7	2	12	12	9	0	9	8	13	7	6	3	0	0	0	0	0	4	0	0
December	10.3	W.	32	W.	0	6	2	3	5	3	13	16	14	0	7	11	13	13	12	5	5	0	0	2	0	13	0	0
Year	10.1	W.	49	W.	6	88	35	57	52	56	139	185	118	0	109	141	115	112	92	49	30	1	6	37	12	104	13	3

BROKEN ARROW, OKLA.

[H_b=765 ft.; h_i=11 ft.; h_r=4 ft.; h_a=56 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	13.1	S.	46	S.	4	4	4	1	6	5	4	4	3	0	13	5	13	8	6	2	1	0	1	0	0	11	2	0
February	12.7	N.	42	N.	2	8	6	1	1	4	4	0	3	1	5	8	15	7	5	3	1	0	3	4	0	18	1	0
March	17.4	S.	49	NW.	11	10	3	0	2	8	4	0	3	1	8	12	11	7	5	2	0	0	0	0	0	11	3	0
April	14.1	SE.	43	NW.	3	3	9	1	6	7	2	0	2	0	8	9	13	11	10	0	0	4	0	0	0	0	8	0
May	13.2	SE.	50	SE.	6	6	4	1	9	4	0	1	6	0	10	10	11	14	12	0	0	2	0	0	0	0	12	0
June	11.8	SE.	58	N.	4	5	4	0	10	8	2	1	0	0	8	13	9	10	9	0	0	2	0	0	5	0	14	0
July	8.2	S.	52	NW.	1	1	4	2	8	12	3	0	1	0	9	19	3	3	2	0	0	0	0	0	18	0	4	0
August	10.3	S.	33	N.	0	5	3	0	4	12	4	1	2	0	16	10	5	5	5	0	0	0	1	0	23	0	6	0
September	10.7	SE.	33	SE.	0	4	1	2	10	4	6	3	0	0	12	8	10	12	9	0	0	0	0	0	4	0	11	0
October	9.6	N.	43	NW.	1	12	5	4	5	1	1	1	2	0	10	4	17	14	12	0	0	0	6	0	0	1	3	0
November	10.7	S.	37	S.	0	4	4	0	1	5	7	1	8	0	12	9	9	8	8	2	2	0	0	0	0	3	0	0
December	13.2	N.	42	NE.	2	6	2	0	5	5	3	2	7	1	9	7	15	9	9	1	0	0	1	1	0	10	0	0
Year	12.1	S.	58	N.	34	68	49	12	67	75	40	14	37	3	120	114	131	108	92	10	4	8	12	5	50	54	64	0

BROWNSVILLE, TEX.

[H_b=57 ft.; h_i=53 ft.; h_r=45 ft.; h_a=61 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	9.8	S.	33	S.	0	6	6	3	14	28	2	0	3	0	14	12	5	7	1	0	0	0	1	0	0	0	0	0
February	10.4	S.	37	S.	0	13	7	8	3	17	1	0	7	0	3	9	16	15	14	1	0	0	4	0	0	3	1	0
March	11.5	S.	37	S.	0	16	4	6	9	20	0	1	6	0	8	15	8	8	7	0	0	0	1	0	0	0	1	0
April	9.8	S.	30	SE.	0	3	5	10	20	19	1	0	2	0	5	17	8	3	3	0	0	0	2	0	1	0	1	0
May	10.7	S.	36	S.	0	2	6	5	25	21	0	0	3	0	16	14	1	2	2	0	0	1	3	0	7	0	2	0
June	8.8	SE.	25	S.	0	1	1	3	44	9	1	0	1	0	14	11	5	10	4	0	0	0	0	0	17	0	3	0
July	9.2	S.	24	N.	0	2	0	3	26	29	1	0	1	0	17	13	1	8	6	0	0	0	0	0	24	0	7	0
August	8.7	S.	28	S.	0	1	1	2	33	24	0	0	0	1	19	12	0	8	6	0	0	0	0	0	28	0	3	0
September	6.5	S.	22	S.	0	6	4	10	23	14	1	0	1	1	14	12	4	11	10	0	0	0	0	0	20	0	7	0
October	6.9	N.	23	N.	0	19	9	11	11	2	0	0	9	1	8	12	11	12	9	0	0	0	0	0	1	0	1	0
November	6.7	N.	24	S.	0	16	8	8	11	4	1	2	9	1	3	9	18	11	6	0	0	0	1	0	0	0	1	0
December	9.3	S.	29	S.	0	18	3	4	2	23	0	2	10	0	1	6	24	16	8	0	0	0	3	0	0	0	0	0
Year	9.0	S.	37	S.	0	103	54	73	221	210	8	5	52	4	122	142	101	111	76	1	0	1	15	0	98	3	27	0

Annual meteorological summary for the year ending December 31, 1923—Continued

BUFFALO, N. Y.

[φ=42° 53′ N.; λ=78° 53′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.189	29.910	28.590	24.1	26.0	25.2	31.7	19.1	25.4	44	−2	20	22	21	82	82	84	0.108	0.117	0.117	3.27	0.67	8.4	8.4	7.4	8.4
February	29.254	29.720	28.690	18.2	21.2	21.4	27.4	14.0	20.7	41	0	14	16	17	80	79	81	.086	.094	.101	1.24	.18	7.6	8.0	5.8	7.4
March	29.138	29.750	28.399	26.8	29.4	29.2	37.9	20.5	29.2	56	5	21	22	21	77	74	72	.122	.128	.119	1.70	.52	8.0	8.1	6.4	7.3
April	29.117	29.762	28.530	37.0	41.4	42.4	49.2	31.7	40.4	77	5	28	31	30	72	69	65	.159	.177	.171	1.17	.51	5.7	6.1	6.4	6.1
May	29.127	29.530	28.550	49.5	56.6	55.2	62.4	42.9	52.6	83	26	36	39	39	67	56	58	.236	.248	.246	3.06	1.29	3.8	3.4	5.4	3.8
June	28.104	29.380	28.500	63.2	66.1	65.9	71.2	58.4	64.8	87	47	54	55	56	74	70	73	.438	.458	.467	3.64	2.05	4.2	4.4	5.6	4.5
July	29.203	29.511	28.871	67.3	72.7	72.5	76.9	62.8	69.8	85	56	58	58	56	72	63	57	.480	.500	.455	.71	.34	5.6	5.8	5.2	5.3
August	29.163	29.370	28.740	64.0	70.0	69.0	75.0	59.3	67.2	91	44	55	57	55	74	65	63	.450	.479	.447	1.26	.57	5.6	4.8	4.8	5.1
September	29.275	29.695	28.970	59.9	65.8	63.7	69.8	56.0	62.9	85	40	53	55	53	79	68	69	.423	.449	.419	1.86	.59	6.8	6.3	4.6	6.0
October	29.293	29.640	28.640	47.7	53.1	51.5	57.2	43.4	50.3	73	31	42	43	40	80	71	68	.269	.289	.263	1.66	1.14	5.7	6.0	3.7	5.9
November	29.218	29.660	28.690	36.5	41.5	41.0	45.6	34.8	40.2	60	25	32	34	34	78	76	76	.187	.202	.197	2.74	.97	8.2	7.6	7.0	7.5
December	29.167	29.820	28.260	36.7	38.6	37.3	42.3	33.0	37.6	57	23	31	33	31	80	80	79	.182	.194	.180	3.00	.63	8.5	8.1	7.1	7.9
Year	29.187	29.910	28.260	44.4	48.5	47.9	53.9	39.7	46.8	91	−2	37	39	38	76	71	70	.262	.278	.265	25.31	2.05	6.5	6.4	5.8	6.3

BURLINGTON, VT.

[φ=44° 29′ N.; λ=73° 12′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.623	30.360	29.070	11.1	15.3	----	21.8	3.4	12.6	42	−19	8	11	----	86	81	----	0.069	0.076	----	2.42	0.87	7.9	7.2	----	7.2
February	29.624	30.220	29.013	9.0	15.6	----	21.3	1.9	11.6	38	−18	5	8	----	82	71	----	.058	.066	----	.48	.31	8.0	7.1	----	7.5
March	29.515	30.250	28.800	20.3	26.8	----	31.5	12.5	22.0	55	−10	14	18	----	77	67	----	.093	.106	----	1.79	.42	7.4	6.5	----	7.0
April	29.483	30.060	28.890	38.4	44.2	----	49.8	30.7	40.2	78	5	28	29	----	66	56	----	.164	.172	----	3.13	1.07	6.1	7.0	----	6.2
May	29.509	29.905	28.860	50.4	58.4	----	62.6	40.7	51.6	79	29	39	40	----	67	53	----	.249	.253	----	2.38	.84	6.3	5.0	----	5.0
June	29.417	29.750	28.780	61.7	68.9	----	74.1	53.0	63.6	92	40	52	53	----	73	59	----	.412	.417	----	3.76	1.13	6.7	6.1	----	5.9
July	29.567	29.969	29.250	64.1	71.6	----	76.0	55.4	65.7	88	46	55	56	----	74	60	----	.438	.450	----	2.26	.75	6.3	4.5	----	5.4
August	29.508	29.750	29.020	62.3	71.1	----	76.3	53.4	64.8	87	40	52	51	----	79	51	----	.405	.395	----	2.29	1.56	4.9	5.0	----	5.1
September	29.658	30.098	29.380	58.6	65.6	----	68.6	50.5	59.6	84	33	53	52	----	81	64	----	.412	.414	----	3.74	1.33	5.6	6.5	----	6.1
October	29.658	30.000	29.160	45.3	53.9	----	57.6	39.0	48.3	71	27	39	40	----	79	60	----	.245	.258	----	2.45	2.10	5.8	5.9	----	5.8
November	29.609	30.125	28.880	34.2	40.2	----	43.7	30.2	37.0	63	18	30	30	----	84	70	----	.170	.172	----	3.20	1.11	8.1	7.5	----	7.8
December	29.569	30.297	28.740	30.2	33.7	----	37.9	25.7	31.8	53	1	25	26	----	80	73	----	.142	.149	----	1.35	.39	9.0	8.1	----	8.1
Year	29.562	30.360	28.740	40.5	47.1	----	51.8	33.0	42.4	92	−19	33	34	----	77	64	----	.238	.244	----	29.25	2.10	6.8	6.4	----	6.4

CAIRO, ILL.

[φ=37° 00′ N.; λ=89° 10′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.707	30.160	29.210	38.2	45.2	45.8	51.0	35.7	43.4	65	28	32	33	33	78	64	63	0.188	0.197	0.200	7.01	3.52	7.3	7.4	6.3	7.4
February	29.859	30.450	29.350	31.0	37.0	36.2	42.5	27.1	34.8	65	9	24	24	25	74	59	64	.147	.147	.148	2.57	.74	7.7	6.0	5.3	6.4
March	29.695	30.230	28.630	38.9	47.0	48.4	54.5	34.9	44.7	70	9	30	29	33	70	52	56	.178	.176	.203	5.00	2.05	5.8	6.2	6.4	5.9
April	29.600	30.140	29.140	51.1	61.5	61.9	66.8	48.7	57.8	83	28	41	39	42	70	47	52	.273	.261	.262	4.02	1.52	5.5	6.5	5.6	5.7
May	29.501	29.750	29.058	60.3	68.2	67.2	73.0	56.9	65.0	84	42	53	52	54	79	60	66	.424	.415	.445	5.10	2.78	7.2	7.4	6.9	7.0
June	29.581	29.830	29.110	70.6	79.8	78.2	83.5	67.3	75.4	93	54	65	64	65	84	60	66	.635	.609	.638	3.30	.87	5.3	5.7	5.7	5.4
July	29.606	29.840	29.390	73.8	85.0	83.0	88.6	71.1	79.8	96	59	68	66	68	83	54	61	.690	.645	.684	2.01	1.59	6.1	6.5	4.8	5.7
August	29.602	29.780	29.390	72.8	82.1	80.6	86.6	70.2	78.4	96	57	68	68	70	86	63	72	.709	.699	.760	2.48	.79	5.1	5.7	6.0	5.5
September	29.668	29.910	29.380	64.7	75.3	71.5	78.3	62.9	70.6	90	50	61	60	63	89	61	75	.556	.536	.596	3.48	1.23	6.8	7.1	6.1	6.6
October	29.748	30.036	29.011	49.9	62.6	58.7	66.4	48.0	57.2	81	29	45	44	46	85	54	65	.323	.311	.328	2.43	1.70	4.5	5.2	4.0	4.9
November	29.713	30.040	29.220	42.2	53.8	51.6	57.4	40.8	49.1	72	29	36	37	37	80	56	59	.219	.229	.226	3.59	1.78	5.1	5.6	5.0	5.5
December	29.694	30.320	29.210	44.3	50.1	49.3	55.2	40.5	47.8	69	16	40	40	40	84	69	72	.265	.270	.281	4.92	2.30	7.6	7.8	7.4	7.7
Year	29.664	30.450	28.630	53.2	62.3	61.0	67.0	50.3	58.7	96	9	47	46	48	80	58	64	.384	.375	.399	45.91	3.52	6.2	6.4	5.8	6.1

CANTON, N. Y.

[φ=44° 36′ N.; λ=75° 10′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.562	30.350	28.950	9.4	14.4	----	20.4	1.3	10.8	44	−20	7	9	----	88	77	----	0.067	0.070	----	2.86	0.73	7.0	6.2	----	6.5
February	29.583	30.160	28.930	5.6	15.7	----	19.7	−1.4	9.2	39	−32	4	8	----	90	68	----	.054	.063	----	1.67	.46	7.4	4.5	----	4.9
March	29.452	30.198	28.930	18.7	24.8	----	30.7	10.4	20.6	54	−21	15	17	----	83	72	----	.095	.102	----	2.07	.38	5.8	5.3	----	5.3
April	29.435	30.020	28.790	37.8	43.8	----	49.2	30.0	39.6	79	−1	31	33	----	78	66	----	.186	.199	----	2.41	.53	5.8	5.9	----	5.3
May	29.455	29.845	28.920	50.9	57.4	----	62.5	39.7	51.1	78	26	41	41	----	69	58	----	.280	.261	----	3.20	.78	4.0	4.5	----	3.8
June	29.373	29.680	28.710	62.3	70.4	----	74.2	53.3	63.8	87	35	56	56	----	78	64	----	.446	.474	----	4.49	1.70	4.5	3.8	----	3.1
July	29.520	29.883	29.200	64.0	73.9	----	77.9	54.6	66.2	88	42	57	56	----	78	55	----	.467	.455	----	1.18	.38	4.4	3.2	----	3.5
August	29.457	29.683	28.940	62.6	72.7	----	77.2	51.8	64.5	89	39	53	52	----	71	49	----	.418	.404	----	2.36	.77	4.5	3.5	----	3.7
September	29.592	30.079	29.296	57.0	66.8	----	69.7	49.1	59.4	87	30	52	52	----	94	62	----	.401	.413	----	2.10	.76	5.4	5.1	----	5.5
October	29.605	29.954	29.020	43.0	54.0	----	56.8	36.4	46.6	77	24	38	41	----	84	63	----	.236	.263	----	3.42	2.31	5.1	5.2	----	5.3
November	29.541	30.020	28.870	34.7	40.9	----	43.4	30.3	36.8	67	19	32	33	----	89	76	----	.179	.192	----	3.84	1.80	7.6	7.8	----	7.2
December	29.495	30.164	28.696	30.0	34.1	----	37.9	25.5	31.7	58	−3	27	28	----	86	77	----	.157	.160	----	2.51	.47	8.1	6.8	----	8.1
Year	29.506	30.350	28.596	39.7	47.4	----	51.6	31.8	41.7	89	−32	34	36	----	82	66	----	.247	.255	----	32.11	2.31	5.8	5.1	----	5.2

Annual meteorological summary for the year ending December 31, 1923—Continued

BUFFALO, N. Y.

[H_b=767 ft.; h_t=247 ft.; h_r=238 ft.; h_a=280 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	17.7	W.	60	SW.	6	2	1	13	5	5	8	16	12	0	3	3	25	20	16	21	17	0	2	15	0	31	0	0
February	19.7	W.	78	W.	9	0	2	8	2	4	8	24	8	0	3	9	16	16	15	22	12	0	2	17	0	27	0	0
March	21.5	W.	84	W.	13	1	2	3	5	6	13	18	13	1	2	13	16	17	13	21	10	1	0	9	0	26	0	0
April	19.0	SW.	76	SW.	11	6	3	5	2	2	21	15	6	0	7	11	12	15	9	11	3	0	3	1	0	17	0	0
May	14.4	E.	68	SW.	6	4	7	20	5	1	11	12	2	0	17	6	8	8	8	4	2	0	0	0	0	2	3	0
June	15.3	W.	54	SW.	5	2	4	9	1	0	20	20	4	0	11	14	5	9	9	0	0	0	2	0	0	0	12	0
July	10.3	SW.	29	W.	0	4	7	16	4	5	13	10	3	0	8	16	7	8	4	0	0	0	0	0	0	0	3	0
August	13.1	SW.	72	W.	5	2	4	9	4	6	17	6	13	1	8	17	6	8	5	0	0	1	0	0	1	0	5	0
September	11.8	SW.	56	W.	3	7	8	11	6	13	4	6	5	0	4	18	8	9	7	0	0	0	0	0	0	0	5	0
October	14.7	NW.	70	SW.	7	3	4	5	3	10	9	12	15	1	7	10	14	6	5	1	0	0	1	0	0	1	0	0
November	15.6	SW.	56	SW.	7	2	5	4	2	14	10	9	14	0	5	7	18	12	9	5	2	0	0	1	0	11	0	0
December	22.2	W.	80	W.	15	2	4	11	4	3	14	18	6	0	4	4	23	16	12	9	5	0	2	2	0	14	0	0
Year	16.3	W.	84	W.	87	35	51	114	43	69	148	166	101	3	79	128	158	144	112	94	51	2	12	45	1	129	28	0

BURLINGTON, VT.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	11.4	N.	68	S.	3	6	5	4	2	9	1	0	4	0	7	6	18	13	11	16	12	0	1	26	0	30	0	0
February	10.7	S.	44	S.	2	7	1	1	4	6	3	3	3	0	3	10	15	9	2	19	9	0	0	20	0	28	0	1
March	13.5	S.	66	S.	4	8	0	0	3	5	7	1	7	0	7	8	16	18	6	20	16	0	0	16	0	28	0	1
April	12.0	N.	52	S.	4	6	5	0	1	8	2	1	7	0	7	11	12	14	7	8	4	0	3	2	0	18	1	0
May	9.7	N.	48	SW.	2	9	2	0	1	8	6	1	4	0	12	8	11	11	8	1	0	0	0	0	0	1	2	0
June	7.7	N.	28	NW.	0	11	0	0	2	4	10	2	1	0	8	9	13	10	10	0	0	0	1	0	2	0	3	0
July	6.9	N.	26	NW.	0	9	1	0	2	12	5	0	2	0	11	9	11	12	9	0	0	0	1	0	0	0	6	0
August	9.4	S.	42	SW.	1	2	0	0	5	8	11	0	5	0	12	9	10	10	9	0	0	1	0	0	0	0	7	0
September	9.5	S.	36	S.	0	6	2	1	4	14	3	0	0	0	5	14	11	10	8	0	0	0	1	0	0	0	3	0
October	9.4	S.	44	S.	2	5	2	3	4	7	5	0	5	0	8	11	12	8	4	1	0	0	1	0	0	6	1	1
November	11.1	S.	50	SW.	2	1	3	5	1	13	2	2	3	0	3	7	20	12	10	8	3	0	2	1	0	19	0	0
December	12.8	S.	52	S.	3	6	1	2	1	11	2	1	7	0	0	11	20	15	8	11	8	0	2	7	0	18	0	0
Year	10.3	S.	68	S.	23	76	22	16	30	105	57	11	48	0	83	113	169	142	92	84	52	1	12	72	2	148	23	3

CAIRO, ILL.

[H_b=358 ft.; h_t=87 ft.; h_r=80 ft.; h_a=93 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	10.4	S.	35	SW.	0	7	6	7	12	12	9	3	6	0	5	5	21	9	8	0	0	0	3	0	0	11	1	0
February	10.8	N.	39	NW.	0	18	6	1	5	9	7	1	9	0	8	5	15	9	7	3	2	0	4	5	0	19	2	0
March	12.9	S.	48	SW.	4	12	7	2	7	20	5	3	6	0	7	13	11	9	8	1	0	0	2	1	0	10	2	0
April	9.4	S.	38	SW.	0	11	7	4	11	13	6	2	6	0	9	9	12	13	9	0	0	1	0	0	0	1	7	0
May	9.0	NE.	39	S.	0	9	17	8	8	4	6	5	5	0	6	4	21	15	7	0	0	0	0	0	0	0	9	0
June	6.9	SE.	44	SW.	2	4	11	4	15	14	7	3	2	0	8	11	11	10	7	0	0	0	1	0	5	0	9	0
July	5.3	S.	22	NW.	0	3	13	5	12	17	8	2	2	0	8	14	9	6	5	0	0	0	0	0	12	0	7	0
August	6.0	S.	36	W.	0	9	6	1	13	26	6	1	0	0	10	11	10	10	9	0	0	0	2	0	9	0	12	0
September	6.4	S.	28	SW.	0	9	12	1	15	13	1	3	4	2	6	8	16	9	8	0	0	0	0	0	1	0	7	0
October	7.4	N.	29	NW.	0	21	13	4	4	4	3	2	10	1	14	5	12	7	4	0	0	0	0	0	0	1	0	0
November	8.0	N.	36	SW.	0	10	10	5	2	12	7	4	9	1	10	7	13	7	5	0	0	0	1	0	0	2	0	0
December	9.7	S.	34	NW.	0	8	3	5	10	19	5	2	10	0	6	3	22	15	11	2	1	0	3	0	0	6	1	0
Year	8.5	S.	48	SW.	6	121	111	47	114	163	70	31	69	4	97	95	173	119	88	6	3	1	16	6	27	50	57	0

CANTON, N. Y.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	10.6	E.	47	W.	2	4	3	8	0	4	4	3	5	0	9	4	18	17	13	20	16	0	0	25	0	31	0	0
February	9.9	W.	49	W.	3	2	3	0	2	4	7	7	3	0	11	11	6	11	9	18	11	0	0	24	0	28	0	1
March	13.1	W.	59	SW.	6	2	2	4	1	4	9	6	3	0	13	6	12	19	14	18	15	0	1	17	0	29	1	1
April	12.4	SW.	62	W.	2	4	1	4	1	1	13	6	0	0	12	8	10	14	12	8	3	0	0	2	0	18	0	1
May	9.9	SW.	50	SW.	2	2	7	2	1	3	8	6	2	0	18	4	9	11	11	3	1	0	0	0	0	5	3	1
June	9.1	W.	36	SW.	0	5	1	5	1	0	7	11	0	0	18	8	4	13	13	0	0	0	0	0	0	0	5	2
July	6.8	SW.	33	E.	0	2	6	5	0	2	8	5	3	0	19	8	4	8	8	0	0	0	1	0	0	0	3	6
August	8.3	W.	39	SW.	0	0	1	1	1	6	14	5	3	0	17	9	5	9	7	0	0	0	0	0	0	0	2	2
September	7.6	SW.	32	W.	0	1	3	3	2	5	10	3	3	0	12	6	12	10	7	0	0	0	2	0	0	1	3	0
October	8.4	W.	46	SW.	1	3	2	3	2	3	9	7	2	0	12	7	12	12	7	0	0	0	0	0	0	7	1	6
November	8.9	SW.	37	SW.	0	2	5	3	1	2	10	4	3	0	6	5	19	13	13	9	3	0	1	2	0	21	0	0
December	12.0	SW.	49	W.	1	2	2	5	1	1	10	6	4	0	2	7	22	16	13	8	5	0	2	8	0	19	0	0
Year	9.8	SW.	62	W.	17	29	36	43	13	35	109	69	31	0	149	83	133	158	127	84	54	0	7	78	0	159	18	20

Annual meteorological summary for the year ending December 31, 1923—Continued

CAPE HENRY, VA.

[ϕ=36° 56′ N.; λ=76° 00′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	30.081	30.710	29.510	40.3	45.8	43.1	50.8	36.5	43.6	74	24	36	37	36	83	73	77	0.217	0.229	0.218	2.51	0.69	6.2	5.2	4.5	6.0
February	30.119	30.510	29.723	36.2	39.7	37.9	45.8	31.4	38.6	69	21	31	32	32	82	76	79	.192	.195	.189	2.08	.70	5.1	5.9	4.9	6.0
March	30.043	30.606	29.100	45.9	52.4	49.4	57.3	39.4	48.4	84	26	39	41	41	77	68	74	.262	.277	.277	6.55	2.45	5.6	5.1	3.7	5.4
April	29.983	30.660	29.440	54.5	59.1	54.7	63.5	46.9	55.2	84	26	47	47	46	76	67	74	.341	.342	.323	5.85	2.90	3.4	3.9	5.2	4.3
May	29.941	30.220	29.530	62.8	66.3	61.1	69.3	55.6	62.4	84	44	56	56	55	79	70	81	.458	.463	.442	1.13	.38	4.8	4.3	5.4	4.6
June	29.910	30.212	29.430	74.6	80.5	75.3	84.6	68.3	76.4	98	61	66	66	66	75	63	73	.647	.646	.640	1.42	.59	3.3	2.4	3.5	3.9
July	29.966	30.310	29.670	75.3	80.5	74.7	82.9	69.5	76.2	95	62	68	68	68	79	68	81	.696	.702	.690	3.64	2.28	5.5	5.3	6.5	5.7
August	29.958	30.140	29.730	76.7	81.1	75.1	84.3	70.4	77.4	96	61	70	70	70	81	71	84	.740	.744	.735	3.13	.44	5.8	5.8	6.2	6.1
September	30.060	30.480	29.750	72.0	76.3	71.4	78.3	67.4	72.8	89	52	65	65	64	79	70	79	.631	.636	.612	4.15	2.61	6.1	5.5	4.3	5.5
October	30.071	30.396	29.446	58.0	64.0	60.1	67.1	53.9	60.5	80	41	52	52	53	80	67	77	.391	.403	.410	1.81	1.15	5.3	5.4	3.2	5.3
November	30.046	30.540	29.590	48.8	52.9	51.0	56.0	45.9	51.0	69	34	43	45	44	83	76	79	.292	.308	.302	2.03	.66	5.9	6.2	5.1	6.1
December	30.082	30.789	29.423	46.7	54.1	50.0	57.7	42.7	50.2	73	33	42	45	44	83	72	80	.278	.317	.303	2.05	1.14	5.7	5.5	3.9	5.4
Year	30.022	30.789	29.100	57.6	62.7	58.6	66.5	52.3	59.4	98	21	51	52	52	80	70	78	.429	.438	.428	36.35	2.90	5.2	5.1	4.7	5.4

CAPE MAY, N. J.

[ϕ=38° 56′ N.; λ=74° 51′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	30.096	30.768	29.590	34.6	----	36.1	41.4	29.8	35.6	55	16	29	----	30	80	----	78	0.166	----	0.172	3.44	0.99	6.4	----	5.6	6.9
February	30.146	30.575	29.648	27.7	----	31.1	36.4	25.1	30.8	52	11	23	----	24	82	----	75	.132	----	.136	2.92	.93	5.7	----	4.7	5.8
March	30.058	30.729	29.188	37.2	----	40.4	47.9	33.5	40.7	71	18	32	----	34	82	----	78	.191	----	.205	6.73	1.91	5.1	----	4.5	4.2
April	30.008	30.685	29.493	46.8	----	48.1	56.4	41.9	49.2	79	16	39	----	41	75	----	78	.251	----	.265	3.08	.82	3.6	----	4.6	4.5
May	29.978	30.300	29.544	57.1	----	56.5	65.5	51.2	58.4	80	42	49	----	50	74	----	81	.352	----	.372	1.13	.57	3.7	----	4.3	4.0
June	29.922	30.240	29.486	69.8	----	68.9	80.1	62.8	71.4	96	52	62	----	62	78	----	78	.572	----	.555	1.69	.62	2.7	----	3.5	2.8
July	30.013	30.409	29.671	71.8	----	72.4	80.5	66.9	73.7	98	59	65	----	65	81	----	79	.631	----	.623	4.77	1.80	6.6	----	5.4	5.0
August	29.998	30.204	29.716	70.9	----	71.9	79.5	66.2	72.8	93	51	66	----	67	86	----	84	.655	----	.665	4.02	1.67	4.5	----	4.4	4.6
September	30.115	30.517	29.796	66.3	----	67.6	75.4	62.6	69.0	82	46	61	----	62	84	----	84	.557	----	.576	6.26	2.88	5.0	----	3.5	4.3
October	30.117	30.427	29.698	53.3	----	57.2	64.5	50.1	57.3	75	38	48	----	50	82	----	77	.342	----	.372	3.46	2.27	4.3	----	3.5	4.3
November	30.090	30.605	29.556	43.1	----	46.9	52.5	40.1	46.3	62	29	38	----	40	82	----	78	.238	----	.259	2.37	.88	4.9	----	4.2	6.2
December	30.091	30.837	29.376	41.9	----	44.7	50.4	39.5	45.0	60	23	37	----	39	83	----	82	.230	----	.252	2.44	.57	5.6	----	3.8	5.5
Year	30.053	30.837	29.188	51.7	----	53.5	60.9	47.5	54.2	98	11	46	----	47	81	----	79	.360	----	.371	42.31	2.88	4.8	----	4.3	4.9

CHARLES CITY, IOWA

[ϕ=43° 04′ N.; λ=92° 38′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	28.945	29.500	28.420	18.2	25.8	23.6	30.0	13.8	21.9	42	−3	16	20	20	92	78	84	0.092	0.108	0.104	0.89	0.37	8.0	7.0	6.5	7.0
February	29.097	29.740	28.520	8.6	18.5	18.2	24.5	4.3	14.4	52	−19	7	11	17	90	72	80	.067	.078	.086	.41	.26	5.0	6.2	4.9	5.8
March	28.933	29.530	28.200	19.3	29.6	27.3	33.7	14.5	24.1	66	−14	15	19	20	84	64	73	.093	.109	.113	2.60	1.00	5.5	5.4	6.8	5.6
April	28.866	29.310	28.250	39.3	51.5	49.3	56.0	34.7	45.4	81	22	33	34	36	79	54	63	.194	.207	.224	2.60	1.00	3.7	4.8	4.7	4.6
May	28.874	29.241	28.470	53.0	60.5	63.6	70.1	46.5	58.3	85	29	42	42	42	67	44	49	.282	.290	.291	1.34	.46	5.2	4.8	5.3	4.8
June	28.882	29.241	28.530	66.7	77.6	74.8	80.7	60.3	70.5	94	45	60	62	63	80	60	67	.535	.577	.564	3.65	.98	3.7	5.2	4.6	4.4
July	28.937	29.170	28.710	70.2	85.0	81.0	88.1	64.5	76.3	96	52	63	63	64	78	50	57	.560	.592	.598	3.30	.96	3.7	3.3	3.8	3.4
August	28.936	29.210	28.620	62.4	75.4	72.6	78.9	57.3	68.1	91	43	58	58	59	84	57	68	.485	.499	.516	5.10	1.21	5.2	5.2	4.4	4.8
September	28.969	29.240	28.530	55.7	69.8	64.2	72.2	52.0	62.4	87	33	52	54	55	88	59	74	.406	.445	.463	7.12	3.81	5.9	5.6	4.0	5.4
October	29.089	29.320	28.480	38.7	54.4	47.8	57.1	38.9	47.6	76	16	36	36	38	88	51	70	.221	.226	.248	.61	.27	4.2	4.1	3.7	4.1
November	28.978	29.240	28.480	30.9	45.2	38.5	48.2	27.6	37.9	62	15	28	30	30	87	57	70	.153	.170	.166	.33	.17	4.8	4.9	4.3	4.7
December	28.943	29.500	28.150	26.4	37.2	31.5	40.7	22.1	31.4	59	−13	23	25	23	87	62	70	.128	.137	.128	1.19	.76	5.0	5.7	4.8	5.4
Year	28.954	29.740	28.150	40.8	53.0	49.4	56.7	36.2	46.5	96	−19	36	38	39	84	59	68	.270	.286	.293	29.20	3.31	5.0	5.2	4.8	5.0

CHARLESTON, S. C.

[ϕ=32° 47′ N.; λ=79° 56′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	30.102	30.530	29.650	48.1	58.6	53.8	61.5	45.9	53.7	76	38	42	44	46	82	62	76	0.287	0.312	0.322	2.21	1.46	5.0	5.2	3.2	4.7
February	30.133	30.450	29.800	46.1	54.5	50.3	57.8	42.8	50.3	76	28	39	38	40	76	58	71	.272	.274	.277	1.03	.58	5.6	5.2	5.0	5.5
March	30.056	30.400	29.330	56.3	64.8	58.7	67.1	52.0	59.6	84	33	49	49	50	78	59	75	.374	.372	.386	2.38	.50	4.7	5.4	4.9	5.5
April	29.977	30.480	29.480	61.9	68.9	64.4	72.1	56.8	64.4	93	37	54	53	55	75	60	75	.433	.421	.464	1.06	.72	6.2	5.7	4.4	5.6
May	29.896	30.160	29.520	70.1	74.5	70.9	76.2	65.2	70.7	81	49	62	61	62	76	64	76	.575	.566	.579	6.30	3.11	6.5	6.7	7.2	6.9
June	29.959	30.160	29.570	77.8	82.4	77.8	84.8	72.4	78.6	93	65	69	67	69	74	61	76	.708	.681	.722	3.58	1.16	5.2	6.1	6.3	5.9
July	29.968	30.210	29.670	79.1	84.0	79.1	86.5	73.7	80.1	96	67	72	71	72	78	67	79	.782	.767	.788	7.23	1.65	5.6	6.7	7.2	6.8
August	29.981	30.110	29.790	80.2	85.9	78.9	88.4	75.2	81.8	96	70	74	74	73	80	68	83	.825	.829	.819	12.29	5.02	5.9	6.5	6.8	6.7
September	30.003	30.340	29.730	75.5	82.1	77.1	84.2	71.4	77.8	95	62	70	69	70	84	66	80	.740	.723	.747	2.11	.71	5.2	5.6	3.9	6.0
October	30.025	30.350	29.570	63.4	71.0	65.8	72.6	60.1	66.4	81	44	58	56	58	81	62	78	.493	.477	.509	2.69	1.75	5.0	5.3	4.5	5.4
November	30.041	30.420	29.780	50.5	60.7	55.2	62.6	47.3	55.0	77	36	43	44	46	77	57	72	.301	.308	.323	1.79	1.24	5.1	4.9	3.8	5.2
December	30.106	30.610	29.530	52.5	61.1	56.6	64.2	49.6	56.9	75	33	46	50	51	86	68	81	.353	.376	.384	3.91	1.68	6.9	6.7	4.8	7.0
Year	30.021	30.610	29.330	63.5	70.7	65.7	73.2	59.4	66.3	96	28	57	58	58	79	63	77	.512	.508	.527	46.58	5.02	5.6	5.8	5.2	5.9

Annual meteorological summary for the year ending December 31, 1923—Continued

CAPE HENRY, VA.

[H_b=18 ft.; h_i=8 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	14.8	SW.	52	NW.	5	8	13	6	1	9	7	8	10	0	10	8	13	10	7	1	0	0	5	0	0	5	0	0
February	15.7	SW.	52	NW.	5	9	10	0	4	10	9	3	11	0	8	7	13	11	9	4	1	0	7	5	0	14	0	0
March	14.4	SW.	60	N.	10	8	4	7	6	13	14	4	6	0	11	10	10	11	10	1	1	0	7	0	0	5	1	0
April	13.7	N.	52	N.	4	9	6	0	10	13	13	3	6	0	16	6	8	8	7	1	0	0	2	0	0	2	5	0
May	11.7	SE.	35	NW.	0	1	15	6	15	11	7	5	1	1	14	10	7	8	6	0	0	0	5	0	0	0	5	0
June	11.6	SW.	47	NW.	1	3	5	2	9	9	19	8	5	0	17	7	6	7	4	0	0	0	2	0	12	0	3	0
July	11.7	SW.	52	NW.	2	4	10	8	10	8	16	4	2	0	6	16	9	14	11	0	0	0	1	0	7	0	10	0
August	10.4	SW.	39	N.	0	1	13	5	5	8	24	4	2	0	7	11	13	11	10	0	0	0	1	0	7	0	8	0
September	11.8	NE.	44	N.	1	4	14	9	9	12	6	3	3	0	9	14	7	6	6	0	0	0	1	0	0	0	5	0
October	14.6	N.	58	NE.	4	16	13	1	1	11	12	3	5	0	10	10	11	5	4	0	0	0	0	0	0	0	0	0
November	16.2	N.	48	NE.	4	12	12	7	6	4	12	1	6	0	9	7	14	6	6	1	0	0	1	0	0	0	1	0
December	12.3	SW.	60	N.	2	11	3	1	4	13	21	5	3	1	11	8	12	8	6	1	1	0	2	0	0	0	1	0
Year	13.2	SW.	60	N.	38	86	118	52	80	121	160	51	60	2	128	114	123	105	86	9	3	0	34	5	26	26	39	0

CAPE MAY, N. J.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	10.1	NW.	41	S.	1	11	5	5	1	12	3	4	21	0	7	5	19	11	10	5	2	0	0	2	0	20	1	0
February	9.1	NW	36	NW	0	5	10	1	3	8	5	3	21	0	11	4	13	11	9	6	5	0	5	10	0	22	0	0
March	9.2	NW.	42	NW.	2	5	2	2	7	13	7	7	19	0	17	6	8	14	12	4	3	0	4	0	0	10	2	0
April	11.1	S.	50	S.	2	3	7	0	5	21	5	4	15	0	15	5	10	10	9	1	0	0	3	0	0	2	3	0
May	8.6	S.	27	SE.	0	3	4	7	10	18	5	8	7	0	16	7	8	3	3	0	0	0	3	0	0	0	1	0
June	7.5	NW.	34	NW.	0	6	3	6	5	7	11	10	12	0	19	6	5	9	7	0	0	0	1	0	5	0	8	0
July	7.3	SE.	24	SE.	0	3	9	9	13	11	5	8	4	0	11	5	15	11	10	0	0	0	1	0	2	0	7	0
August	7.0	S.	24	SW.	0	3	12	9	6	14	10	4	4	0	15	6	10	13	8	0	0	0	3	0	2	0	7	0
September	6.2	SE.	20	SE.	0	13	3	7	15	13	4	4	1	0	16	6	8	7	7	0	0	0	5	0	0	0	4	0
October	8.7	N.	48	NE.	1	18	12	2	1	12	5	6	10	1	14	10	7	5	4	1	0	0	0	0	0	0	0	0
November	8.3	NE.	40	NE	1	7	15	6	4	9	3	7	9	0	8	7	15	7	5	0	0	0	2	0	0	4	1	0
December	8.3	NW.	34	SE.	0	5	3	4	5	7	14	6	17	1	11	6	14	11	8	1	1	0	4	0	0	6	0	0
Year	8.4	S.	50	S.	7	77	85	58	75	145	77	71	140	2	160	73	132	112	92	18	11	0	31	12	9	64	34	0

CHARLES CITY, IOWA

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	7.1	SE.	26	SE.	0	6	8	2	22	3	1	4	16	0	8	4	19	11	7	13	8	0	0	19	0	31	0	0
February	8.5	NW.	30	NW.	0	4	2	1	10	5	3	7	24	0	7	10	11	4	3	13	4	0	0	22	0	28	0	0
March	9.1	NW.	27	N.	0	15	3	4	5	11	4	6	14	0	10	7	14	9	8	11	9	0	0	14	0	30	0	0
April	7.4	SE.	28	S.	0	12	5	6	19	6	4	0	8	0	14	6	10	10	9	4	3	0	0	0	0	14	4	0
May	7.1	SE.	27	NW.	0	10	1	11	25	3	1	5	6	0	14	8	9	12	6	1	0	0	0	0	0	2	5	0
June	5.8	SE.	27	W.	0	6	3	5	13	19	3	4	7	0	14	11	5	11	8	0	0	0	0	0	5	0	10	0
July	4.6	SE.	23	NE.	0	7	7	6	20	9	6	5	2	0	15	14	2	10	8	0	0	0	0	0	12	0	8	0
August	4.3	SE.	22	NW	0	15	5	3	14	6	4	7	8	0	11	14	6	14	12	0	0	0	0	0	2	0	12	0
September	5.5	SE.	24	SE.	0	5	2	5	30	4	0	4	8	2	9	12	9	10	9	0	0	0	0	0	0	0	6	0
October	5.4	SE.	20	NW.	0	9	1	1	20	5	4	9	10	3	17	3	11	7	5	2	2	0	0	1	0	8	0	0
November	6.4	NW	22	N.	0	5	2	0	19	5	4	9	15	1	11	10	9	2	2	2	1	0	1	0	0	23	0	0
December	6.9	W.	23	SW.	0	8	4	0	12	7	9	10	11	1	12	6	13	6	3	4	2	0	1	4	0	28	0	0
Year	6.5	SE.	30	NW.	0	102	43	44	209	83	43	70	129	7	142	105	118	106	80	50	29	0	2	60	19	164	45	0

CHARLESTON, S. C.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	10.5	W.	44	NE.	2	4	11	3	1	8	9	13	12	1	11	13	7	7	4	0	0	0	3	0	0	0	0	0
February	10.8	SW.	29	S.	0	11	9	2	0	3	14	7	10	0	10	7	11	7	5	0	0	0	5	0	0	5	0	0
March	12.6	SW.	43	W.	1	7	9	7	5	7	14	5	8	0	14	4	13	12	10	0	0	0	0	0	0	0	3	0
April	11.2	SW.	35	NW.	0	8	12	9	5	4	15	2	5	0	7	15	8	5	4	0	0	0	0	0	1	0	3	0
May	11.3	E.	37	E.	0	3	8	18	5	12	[illegible]	4	5	0	6	7	18	14	10	0	0	0	1	0	0	0	8	0
June	10.4	S.	32	W.	0	3	6	9	4	15	10	13	0	0	7	15	8	8	7	0	0	0	0	0	5	0	6	0
July	9.8	SW.	35	SW.	0	6	9	2	6	8	18	11	2	0	5	11	15	18	14	0	0	0	0	0	6	0	18	0
August	8.7	SW.	32	NE.	0	3	2	2	2	9	23	20	1	0	5	13	13	18	14	0	0	0	0	0	12	0	18	0
September	10.2	NE.	38	NE.	0	8	21	5	7	6	8	3	2	0	5	16	9	12	8	0	0	0	0	0	3	0	10	0
October	11.0	NE.	28	N.	0	15	30	3	3	1	1	6	3	0	10	7	14	7	4	0	0	0	0	0	0	0	3	0
November	10.7	NE.	32	N.	0	12	13	2	2	3	5	14	9	0	12	6	12	6	5	0	0	0	4	0	0	0	0	0
December	10.1	SW.	33	N.	0	6	15	3	1	9	15	8	4	1	4	12	15	10	8	0	0	0	5	0	0	0	0	0
Year	10.6	SW.	44	NE.	3	86	145	65	41	85	139	106	61	2	96	126	143	124	93	0	0	0	18	0	27	5	69	0

* By eye observation at this station.

Annual meteorological summary for the year ending December 31, 1923—Continued

CHARLOTTE, N. C.

[ϕ=35° 13′ N.; λ=80° 51′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.281	29.760	28.790	39.1	48.6	46.0	53.0	36.1	44.6	67	26	32	36	33	76	63	63	0.189	0.215	0.196	3.67	1.37	4.7	5.8	4.4	5.9
February	29.314	29.640	28.940	36.9	44.5	44.4	50.8	33.6	42.2	74	18	28	29	30	71	59	61	.182	.193	.201	4.25	1.91	5.7	6.4	5.7	6.1
March	29.243	29.697	28.480	47.1	57.5	54.8	62.5	42.8	52.6	78	23	38	42	40	71	59	61	.250	.285	.275	5.84	1.85	5.7	6.0	5.6	5.6
April	29.184	29.760	28.690	53.9	64.0	62.1	69.1	49.0	59.0	88	24	45	46	46	73	56	59	.319	.334	.326	4.23	1.59	5.7	6.3	4.2	5.5
May	29.123	29.390	28.807	62.9	71.1	68.5	75.3	57.0	66.2	87	40	54	54	55	73	57	64	.433	.431	.445	4.01	.99	6.5	7.4	6.5	6.7
June	29.170	29.420	28.730	71.8	83.1	78.1	87.1	67.0	77.0	95	57	62	61	62	74	48	59	.577	.548	.562	2.21	1.18	5.1	4.7	5.7	5.2
July	29.188	29.480	28.890	73.6	84.4	79.5	88.5	68.7	78.6	98	62	66	63	65	77	51	64	.637	.596	.631	5.89	2.98	5.3	7.0	6.6	6.1
August	29.194	29.350	29.030	72.8	83.0	78.1	87.8	68.9	78.4	97	56	67	65	68	84	57	72	.670	.635	.688	2.93	2.15	6.2	6.5	6.7	6.5
September	29.259	29.640	29.010	67.6	79.3	73.7	82.9	64.5	73.7	91	53	62	62	63	84	56	70	.578	.564	.585	2.32	.68	5.8	5.9	4.1	5.7
October	29.273	29.560	28.740	53.8	67.6	62.8	71.6	51.0	61.3	84	40	46	45	47	76	47	58	.320	.316	.335	1.13	.65	5.0	3.9	2.4	4.1
November	29.253	29.664	28.940	42.3	53.5	50.4	57.7	40.2	49.0	70	30	35	35	37	76	54	61	.214	.220	.227	3.09	1.82	5.0	4.9	4.5	4.9
December	29.281	29.937	28.610	45.0	54.5	52.7	58.8	41.6	50.2	71	25	41	44	43	85	70	72	.272	.310	.300	3.33	1.76	5.6	5.8	4.9	6.1
Year	29.230	29.937	28.480	55.6	65.9	62.6	70.4	51.7	61.1	98	18	48	48	49	77	56	64	.387	.387	.398	42.90	2.98	5.5	5.9	5.1	5.7

CHATTANOOGA, TENN.

[ϕ=35° 04′ N.; λ=85° 14′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.332	29.760	28.900	41.1	48.0	50.5	54.9	38.3	46.6	65	28	33	35	37	72	63	62	0.193	0.213	0.233	4.81	2.03	5.7	5.3	6.6	6.1
February	29.398	29.860	29.020	36.8	44.6	45.2	50.4	33.8	42.1	74	12	28	29	31	70	58	59	.180	.191	.195	5.52	1.91	5.7	5.4	5.9	5.6
March	29.296	29.670	28.590	44.5	53.7	55.1	62.2	40.5	51.4	80	18	35	35	35	69	53	50	.223	.223	.228	6.69	2.17	5.7	4.9	5.2	5.2
April	29.211	29.740	28.770	52.6	64.5	64.1	69.9	48.9	59.4	85	26	42	42	42	69	48	50	.294	.297	.291	5.56	1.32	5.1	4.5	4.9	4.9
May	29.110	29.410	28.820	60.2	69.3	67.6	73.6	56.9	65.2	84	39	54	56	57	80	66	71	.431	.474	.483	8.14	1.59	7.2	6.9	7.2	7.1
June	29.208	29.410	28.845	69.6	80.4	77.0	84.7	65.7	75.2	91	54	62	61	63	78	54	64	.563	.556	.588	5.06	2.04	4.7	4.1	5.9	5.2
July	29.214	29.480	28.960	71.0	82.2	80.9	86.0	68.1	77.0	92	57	65	67	66	83	60	63	.625	.655	.655	6.31	2.25	5.4	6.1	4.9	5.5
August	29.215	29.460	29.087	71.0	81.6	79.4	86.3	68.6	77.4	93	58	67	67	68	86	62	69	.688	.670	.692	2.94	1.91	6.2	5.2	4.7	5.3
September	29.276	29.600	29.050	65.6	78.8	75.6	82.7	63.8	73.2	87	55	60	61	62	82	56	65	.526	.553	.575	2.90	.77	3.8	4.3	4.4	4.6
October	29.307	29.560	28.740	52.1	67.1	64.6	71.5	50.5	61.0	82	39	44	44	45	74	46	51	.297	.306	.317	.86	.59	3.7	3.9	4.3	4.0
November	29.306	29.710	28.960	42.5	53.8	52.7	58.0	41.0	49.5	71	30	34	34	37	72	51	58	.200	.209	.230	4.88	1.67	5.1	4.5	4.6	5.0
December	29.317	29.850	28.700	46.0	52.9	51.9	57.0	41.7	49.4	72	25	40	42	42	80	69	72	.270	.293	.292	5.09	1.40	8.0	7.8	7.3	7.6
Year	29.266	29.860	28.590	54.4	64.7	63.7	69.8	51.5	60.6	93	12	47	48	49	76	57	61	.372	.387	.398	58.76	2.25	5.5	5.2	5.5	5.5

CHEYENNE, WYO.

[ϕ=41° 08′ N.; λ=104° 48′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	23.907	24.330	23.530	28.3	38.5	33.8	41.7	22.6	32.2	57	7	14	15	15	55	38	44	0.080	0.084	0.084	0.06	0.04	3.9	3.1	4.2	3.6
February	24.003	24.340	23.400	18.6	30.4	26.9	35.9	11.9	23.9	57	−6	10	12	15	67	48	62	.065	.074	.088	.57	.28	4.1	6.0	5.4	5.1
March	23.902	24.290	23.500	23.2	33.0	31.0	38.5	17.8	28.2	62	−3	14	15	17	68	52	58	.082	.086	.093	1.49	.62	4.5	5.0	4.7	4.7
April	23.894	24.140	23.530	32.4	47.1	45.7	51.0	28.3	39.6	70	18	23	23	25	70	44	51	.125	.126	.139	3.26	2.65	5.4	5.8	6.2	6.0
May	23.947	24.420	23.640	42.7	56.4	55.4	60.8	39.8	50.3	78	26	37	37	36	81	51	54	.226	.227	.224	2.58	1.15	6.4	5.5	6.1	6.0
June	23.985	24.240	23.700	51.4	66.2	64.9	70.5	48.3	59.4	86	42	43	48	47	75	55	58	.281	.343	.336	2.32	.76	4.1	4.3	6.1	4.5
July	24.126	24.320	23.940	58.9	75.5	72.6	79.0	56.0	67.5	86	49	53	54	55	82	48	56	.407	.421	.437	3.23	1.35	3.9	4.5	6.1	4.8
August	24.128	24.300	23.962	54.9	71.2	68.9	74.8	52.6	63.7	84	42	50	51	50	83	50	54	.360	.373	.368	2.06	.51	5.0	5.2	6.5	5.4
September	24.077	24.250	23.770	47.6	63.6	61.6	67.5	44.0	55.8	82	35	38	41	40	73	48	50	.234	.265	.255	2.78	1.61	4.7	4.5	4.9	4.6
October	24.056	24.320	23.541	32.8	43.8	41.2	47.5	29.9	38.7	70	2	29	34	32	84	71	73	.167	.201	.189	2.83	1.28	4.8	5.0	5.7	5.4
November	24.048	24.400	23.620	32.7	44.2	37.9	47.4	27.3	37.4	59	19	24	28	28	69	54	66	.126	.156	.148	.28	.22	3.4	3.5	3.0	3.4
December	23.941	24.450	23.437	23.7	34.7	27.0	39.5	15.3	27.4	61	−28	13	16	15	63	51	62	.085	.095	.091	.28	.12	5.4	4.5	3.7	4.4
Year	24.001	24.450	23.400	37.3	50.4	47.2	54.5	32.8	43.7	86	−28	29	31	31	72	51	57	.186	.204	.204	21.74	2.65	4.6	4.7	5.2	4.8

CHICAGO, ILL.

[ϕ=41° 53′ N.; λ=87° 37′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.145	29.780	28.560	29.5	32.7	33.1	36.6	24.9	30.8	49	11	22	24	25	70	68	70	0.119	0.128	0.134	0.92	0.22	7.0	8.0	7.3	7.2
February	29.274	29.790	28.730	20.5	25.1	25.2	29.1	15.5	22.3	44	−8	12	16	16	67	65	67	.089	.102	.101	1.05	.35	5.5	6.5	5.8	6.2
March	29.116	29.700	27.850	29.7	33.8	34.1	41.4	24.6	33.0	65	0	20	22	24	66	61	67	.116	.128	.143	3.05	1.07	5.9	6.1	5.8	5.7
April	29.081	29.620	28.560	43.1	50.1	48.0	55.0	38.2	46.6	79	20	32	34	34	65	58	60	.186	.205	.204	1.38	.37	5.5	5.1	5.1	4.9
May	29.069	29.460	28.450	51.7	57.9	54.5	61.5	47.3	54.4	79	31	40	41	40	65	56	60	.251	.274	.261	3.46	1.99	5.5	5.6	5.7	5.0
June	29.003	29.420	28.770	68.4	74.3	72.2	78.8	62.9	70.8	96	51	57	58	56	69	57	59	.491	.493	.473	1.70	.53	3.8	5.3	4.3	3.8
July	29.146	29.380	28.860	72.0	77.9	75.9	80.5	68.3	74.4	95	62	61	61	62	69	59	63	.537	.551	.555	2.67	1.22	4.2	3.5	3.9	3.4
August	29.122	29.340	28.840	68.2	73.8	72.5	76.8	64.9	70.8	89	54	60	60	60	76	64	66	.533	.537	.531	7.76	3.70	6.1	5.6	4.6	5.2
September	29.194	29.490	28.740	62.2	68.3	66.7	70.5	59.7	65.1	80	42	57	58	58	83	70	74	.483	.505	.495	2.50	.60	6.2	6.4	5.4	5.7
October	29.281	29.600	28.610	49.1	55.7	55.1	58.5	46.5	52.5	76	26	42	44	46	78	67	72	.283	.309	.324	4.57	1.84	5.2	4.7	4.7	4.7
November	29.188	29.540	28.680	41.0	46.6	46.4	49.4	38.2	43.8	62	31	34	36	39	76	67	76	.200	.214	.245	1.46	.57	5.6	6.5	6.4	6.6
December	29.141	29.670	28.550	38.1	41.8	41.3	45.0	34.4	39.7	53	8	32	33	34	78	71	76	.184	.192	.205	1.96	.78	7.2	6.4	5.6	6.2
Year	29.154	29.790	27.850	47.8	53.2	52.1	56.9	43.8	50.4	96	−8	39	41	41	72	64	68	.289	.303	.306	32.48	3.70	5.6	5.8	5.4	5.4

Annual meteorological summary for the year ending December 31, 1923—Continued

CHARLOTTE, N. C.

[H_b=779 ft.; h_t=55 ft.; h_r=47 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	T. or more	Snow: 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	6.2	SW.	30	W.	0	6	14	1	4	7	12	9	9	0	8	11	12	12	10	0	0	0	8	0	0	8	2	0
February	6.3	SW.	22	NW.	0	11	13	1	1	5	18	1	6	0	10	2	16	10	8	1	1	0	2	1	0	14	0	0
March	6.4	SW.	26	W.	0	11	10	2	3	9	16	1	8	2	12	6	13	11	11	0	0	0	0	0	0	4	3	0
April	5.8	S.	25	NW.	0	4	11	2	5	16	11	3	4	4	10	9	11	12	8	0	0	0	0	0	0	2	5	0
May	4.9	NE.	22	NW.	0	3	19	7	4	7	13	2	3	4	6	7	18	12	10	0	0	0	0	0	0	0	3	0
June	4.1	SW.	23	NW.	0	7	6	1	7	13	18	4	2	2	11	8	11	7	4	0	0	0	0	0	9	0	6	0
July	3.7	NE.	25	NW.	0	7	16	2	2	8	13	9	1	4	7	13	11	13	10	0	0	0	0	0	15	0	9	0
August	3.2	SW.	17	NW.	0	3	14	2	6	11	16	4	2	4	5	14	12	10	8	0	0	0	2	0	13	0	5	0
September	3.6	NE.	13	W.	0	11	22	3	8	7	5	2	2	0	6	16	8	10	8	0	0	0	1	0	2	0	6	0
October	4.2	NE.	20	NW.	0	11	18	3	4	7	2	2	6	9	13	11	7	6	4	0	0	0	0	0	0	0	0	0
November	4.6	NE.	19	NW.	0	13	19	3	2	3	9	3	6	2	14	4	12	10	7	0	0	0	2	0	0	2	0	0
December	5.5	SW.	27	SW.	0	6	11	1	6	12	16	3	5	2	10	6	15	11	8	0	0	0	4	0	0	5	0	0
Year	4.9	NE.	30	W.	0	93	173	28	52	105	149	43	54	33	112	107	146	124	96	1	1	0	19	1	39	35	39	0

CHATTANOOGA, TENN.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	8.9	SE.	35	NW.	0	3	9	0	16	6	8	10	9	1	8	11	12	15	12	0	0	0	5	0	0	6	1	0
February	9.4	NW.	34	NW.	0	8	6	1	3	6	7	6	19	0	10	5	13	14	9	2	1	0	1	0	0	14	0	0
March	10.4	NW.	62	S.	3	4	10	2	6	10	9	6	14	1	11	10	10	12	10	1	0	0	0	0	0	4	6	0
April	8.9	SW.	46	SW.	2	6	7	1	7	9	12	7	10	1	12	10	8	13	12	0	0	1	1	0	0	1	6	0
May	7.2	NE.	40	NW.	1	9	18	4	10	4	7	3	5	2	5	7	19	19	17	0	0	0	0	0	0	0	9	0
June	6.5	SW.	44	S.	1	9	9	1	7	4	14	11	5	0	6	19	5	16	11	0	0	0	1	0	4	0	12	0
July	5.6	SW.	37	SW.	0	10	7	3	5	5	19	9	3	1	5	21	5	9	7	0	0	0	1	0	4	0	7	0
August	5.1	SW.	33	NW.	0	9	6	0	3	3	22	8	8	3	6	22	3	10	8	0	0	0	1	0	3	0	9	0
September	5.1	N.	44	S.	1	11	7	2	6	4	9	10	10	1	10	14	6	8	6	0	0	0	4	0	0	0	6	0
October	7.1	NW.	39	SE.	0	14	5	4	8	1	2	7	19	2	15	9	7	6	3	0	0	0	3	0	0	0	0	0
November	7.1	NW.	27	NW.	0	5	7	2	7	4	8	10	15	2	13	4	13	11	9	0	0	0	3	0	0	2	0	0
December	8.0	SE.	36	W.	0	5	12	4	16	6	6	8	5	0	3	8	20	15	12	1	1	0	3	0	0	4	1	0
Year	7.4	SW.	62	S.	8	93	103	24	94	62	123	95	122	14	104	140	121	148	116	4	2	1	23	0	11	31	57	00

CHEYENNE, WYO.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	19.3	W.	82	W.	18	5	1	4	0	7	6	26	13	0	16	11	4	2	1	4	2	0	1	3	0	27	0	0
February	13.2	W.	60	W.	5	9	4	2	0	6	6	18	11	0	9	9	10	8	4	13	8	0	0	9	0	28	0	0
March	18.2	W.	64	W.	12	7	5	3	2	5	6	20	14	0	14	8	9	9	8	10	9	0	0	10	0	28	0	0
April	13.0	W.	56	NW.	6	7	3	6	3	5	6	15	15	0	7	11	12	9	7	9	5	0	2	2	0	21	3	0
May	13.4	S.	70	W.	3	10	6	4	6	8	7	13	7	1	7	13	11	13	12	4	2	5	0	0	0	2	11	0
June	11.5	S.	50	S.	5	9	4	4	11	10	8	8	6	0	12	9	9	13	11	0	0	5	1	0	0	0	13	0
July	8.6	S.	43	W.	2	5	4	4	6	12	10	13	8	0	9	20	2	15	8	0	0	2	2	0	0	0	16	0
August	9.2	S.	35	W.	0	4	4	7	6	12	7	12	10	0	7	17	7	16	9	0	0	2	0	0	0	0	18	0
September	10.2	W.	46	W.	5	6	4	6	5	10	1	13	15	0	13	11	6	10	7	0	0	3	1	0	0	0	6	0
October	10.5	W.	50	W.	1	8	7	6	4	11	4	14	8	0	12	7	12	13	10	8	4	2	4	4	0	15	3	0
November	12.6	W.	48	W.	5	7	2	1	0	7	2	24	17	0	17	8	5	4	1	4	3	0	0	1	0	24	0	0
December	15.2	W.	81	W.	10	12	0	0	0	2	12	24	12	0	12	13	6	7	2	9	7	0	0	9	0	31	0	0
Year	12.9	W.	82	W.	72	89	44	47	43	95	75	200	136	1	135	137	93	119	80	61	40	19	11	38	0	176	70	0

CHICAGO, ILL.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	12.3	W.	42	S.	1	1	4	5	8	7	8	20	9	0	5	9	17	15	7	19	9	0	1	8	0	29	1	0
February	12.1	W.	46	W.	1	1	2	2	3	5	7	25	11	0	8	5	15	11	6	17	8	0	2	17	0	27	0	0
March	14.6	NW.	60	NE.	3	4	3	4	3	7	14	8	19	0	10	8	13	13	10	13	9	0	1	5	0	25	0	0
April	13.1	NE.	48	S.	1	8	10	7	1	9	10	11	4	0	12	10	8	8	7	5	3	1	0	0	0	4	2	0
May	12.2	NE.	36	S.	0	9	21	12	5	5	2	3	5	0	9	16	6	7	6	3	2	0	0	0	0	2	3	0
June	10.0	SW.	30	W.	0	11	10	6	5	7	12	4	5	0	16	10	4	10	7	0	0	0	0	0	6	0	10	0
July	8.3	E.	24	NW.	0	10	10	12	3	7	5	11	4	0	17	10	4	8	7	0	0	0	1	0	4	0	7	0
August	9.4	NE.	45	NW.	1	7	13	14	2	6	4	11	5	0	9	13	9	11	8	0	0	0	1	0	0	0	9	0
September	9.5	S.	30	S.	0	8	10	6	8	8	6	8	6	0	5	17	8	11	10	0	0	0	1	0	0	0	6	0
October	9.8	NW.	37	S.	0	4	9	4	5	6	7	11	16	0	12	11	8	9	7	1	1	0	0	0	0	2	0	0
November	11.6	NW.	32	S.	0	3	4	3	7	9	9	10	15	0	8	5	17	7	6	2	0	0	0	0	0	4	0	0
December	12.8	W.	38	W.	0	3	14	3	4	6	9	14	9	0	9	7	15	13	9	3	2	0	3	0	0	8	0	0
Year	11.3	W.	60	NE.	7	69	110	78	54	82	93	136	108	0	120	121	124	123	90	63	33	1	10	30	10	101	38	0

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1923—Continued

CHICAGO UNIVERSITY, ILL.

[ϕ=41° 47′ N.; λ=87° 36′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.334	29.980	28.730	27.3	31.9	31.5	35.4	24.4	29.9	47	12	22	24	25	79	72	77	0.120	0.131	0.137	0.99	0.34	6.3	8.3	7.3	7.1
February	29.469	29.985	28.870	18.4	23.7	23.0	27.4	14.1	20.8	42	−9	13	17	17	77	73	75	.090	.105	.102	1.02	.53	5.8	6.2	5.8	6.4
March	29.310	29.920	28.020	28.5	33.8	32.9	40.5	23.9	32.2	64	0	22	23	25	74	64	72	.123	.134	.144	2.96	1.13	5.6	6.2	5.8	5.8
April	29.268	29.830	28.733	42.3	50.3	46.5	54.3	37.1	45.7	80	18	33	35	35	69	59	66	.192	.211	.210	1.14	.30	4.9	4.8	4.6	4.9
May	29.249	29.640	28.630	50.6	57.5	53.0	61.0	46.0	53.5	79	31	40	42	40	69	58	64	.259	.279	.262	4.20	2.75	5.1	5.3	4.5	5.1
June	29.273	29.600	28.940	66.6	74.6	70.6	79.1	60.7	69.9	98	49	58	59	58	75	59	65	.506	.514	.496	1.40	.51	3.0	4.5	4.4	4.0
July	29.314	29.548	29.000	69.6	77.3	74.2	80.5	65.2	72.8	94	56	62	62	63	77	62	69	.553	.566	.580	2.60	1.20	3.7	3.3	3.0	3.4
August	29.288	29.510	29.010	66.6	74.0	71.2	76.7	63.2	70.0	91	52	60	60	60	79	64	69	.528	.539	.531	7.99	3.40	6.0	5.8	4.2	5.2
September	29.372	29.650	28.910	60.8	69.4	65.1	71.5	58.4	65.0	82	42	56	57	57	84	66	73	.474	.490	.483	2.60	.65	5.8	5.6	5.6	5.8
October	29.461	29.790	28.760	46.1	56.4	53.5	59.1	43.8	51.4	77	25	40	40	41	80	56	64	.262	.269	.271	3.96	1.77	5.4	4.5	4.3	4.8
November	29.366	29.720	28.840	38.4	46.4	44.3	48.7	36.9	42.8	64	29	32	34	35	76	62	70	.181	.197	.207	1.45	.53	6.3	6.0	6.3	6.5
December	29.323	29.860	28.710	36.1	41.1	39.3	44.5	32.6	38.6	53	4	32	32	32	83	71	76	.183	.184	.190	2.00	.78	6.9	6.5	5.8	6.5
Year	29.336	29.985	28.020	45.9	53.0	50.4	56.6	42.2	49.4	98	−9	39	40	41	77	64	70	.289	.301	.301	32.31	3.40	5.4	5.6	5.1	5.5

CINCINNATI, OHIO (ABBE OBSERVATORY)

[ϕ=39° 06′ N.; λ=84° 30′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.401	29.980	28.840	32.8	37.9	----	44.2	28.8	36.5	58	15	28	30	34	81	72	79	0.153	0.169	0.200	4.64	1.68	6.9	7.1	6.7	7.5
February	29.517	30.000	28.980	24.2	31.8	----	36.5	20.1	28.3	58	1	21	24	29	87	72	80	.124	.143	.175	1.81	.72	7.1	7.1	6.4	7.1
March	29.385	29.870	28.520	34.6	43.5	----	51.3	29.4	40.4	68	14	28	28	37	78	57	76	.168	.166	.238	3.50	1.25	5.6	5.5	3.5	5.5
April	29.322	29.928	28.860	45.6	57.5	----	62.9	40.5	51.7	81	18	36	40	40	72	56	58	.224	.259	.261	2.96	1.22	5.3	5.3	4.7	5.0
May	29.245	29.540	28.720	56.3	68.7	----	72.6	49.9	61.2	87	32	48	51	49	75	56	54	.354	.399	.369	2.34	1.08	6.4	5.6	5.6	6.1
June	29.314	29.610	28.840	69.2	79.3	----	82.3	61.8	72.0	95	47	62	62	64	80	58	64	.574	.577	.606	3.18	1.00	3.9	4.6	5.1	4.6
July	29.338	29.570	29.040	71.2	80.3	----	86.7	64.5	75.6	92	51	63	64	65	77	53	59	.589	.597	.618	2.51	1.29	3.7	5.0	5.1	4.5
August	29.328	29.530	29.060	68.4	80.9	----	84.9	65.0	74.0	95	46	62	62	68	82	54	73	.590	.584	.700	3.72	1.74	5.0	4.8	4.5	5.1
September	29.409	29.720	29.050	62.3	75.7	----	78.1	58.5	68.3	90	39	58	57	64	85	55	76	.501	.501	.614	1.40	.44	4.2	4.3	4.2	5.0
October	29.471	29.800	28.800	46.5	61.6	----	65.2	42.5	53.8	83	24	41	39	47	82	47	65	.268	.255	.341	.92	.45	3.8	4.5	3.6	4.3
November	29.421	29.801	28.970	38.2	48.3	----	52.0	35.6	43.8	66	26	33	34	41	81	60	78	.190	.202	.264	2.28	.86	6.1	5.9	5.0	6.0
December	29.379	30.020	28.750	40.1	46.7	----	51.7	35.3	43.5	64	18	36	38	42	88	72	82	.230	.241	.279	6.94	1.76	7.1	7.0	6.6	7.1
Year	29.378	30.020	28.520	49.1	59.4	----	64.0	44.1	54.1	95	1	43	44	48	80	59	70	.330	.341	.389	36.20	1.76	5.4	5.6	5.1	5.6

CLEVELAND, OHIO

[ϕ=41° 30′ N.; λ=81° 42′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.220	29.890	28.660	28.5	31.0	30.8	35.6	24.7	30.2	52	11	24	25	25	80	77	78	0.127	0.135	0.136	2.61	0.53	8.9	9.2	9.4	9.1
February	29.310	29.704	28.750	20.1	24.4	24.9	30.5	17.1	23.8	48	4	15	18	20	78	74	81	.091	.105	.119	1.39	.24	8.2	7.5	8.8	8.5
March	29.184	29.700	28.390	30.8	35.1	35.3	43.9	25.7	34.8	63	11	24	24	24	74	66	65	.137	.137	.137	1.89	.44	7.4	7.2	7.2	7.3
April	29.153	29.791	28.630	40.8	47.8	46.8	54.5	37.0	45.8	78	11	30	33	33	68	60	62	.174	.190	.191	2.21	1.33	4.8	5.3	5.7	5.4
May	29.131	29.523	28.500	53.4	55.0	57.0	62.5	46.5	54.5	80	32	39	41	40	61	61	57	.253	.271	.256	2.91	1.19	3.8	4.9	5.3	4.9
June	29.150	29.410	28.760	68.6	72.4	73.6	78.4	63.1	70.8	91	52	58	59	57	69	64	59	.491	.512	.484	1.49	.56	3.7	4.5	5.1	4.8
July	29.209	29.470	28.930	68.8	74.1	74.3	77.9	64.4	71.2	86	57	58	60	57	69	64	58	.485	.535	.482	2.09	.66	5.7	5.2	6.0	5.4
August	29.180	29.380	28.890	65.3	72.4	72.1	76.2	61.9	69.0	86	49	57	59	60	75	64	67	.479	.511	.527	3.97	2.03	5.8	5.3	4.9	5.3
September	29.275	29.660	28.920	61.1	67.3	66.0	70.5	58.9	64.7	85	41	55	56	56	81	70	71	.451	.479	.466	3.32	1.04	6.7	6.9	5.6	6.9
October	29.316	29.670	28.600	48.6	55.1	54.1	58.7	45.7	52.2	79	32	40	41	40	72	61	59	.253	.261	.250	1.73	1.01	6.1	6.0	5.6	6.0
November	29.239	29.640	28.760	39.6	43.9	42.5	47.0	36.9	42.0	61	28	34	34	34	79	70	74	.198	.202	.202	2.64	.80	6.7	6.9	7.1	7.3
December	29.191	29.840	28.440	38.7	41.1	40.3	46.3	34.6	40.4	59	22	33	34	34	79	76	78	.196	.201	.201	4.50	.96	7.5	7.4	7.5	8.1
Year	29.213	29.890	28.390	47.9	51.6	51.5	56.8	43.0	50.0	91	4	39	40	40	74	67	67	.278	.295	.288	30.75	2.03	6.3	6.4	6.5	6.6

COLUMBIA, MO.

[ϕ=38° 57′ N.; λ=92° 20′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.204	29.810	28.700	33.8	41.4	----	47.8	30.0	38.9	60	20	27	30	----	76	64	----	0.150	0.188	----	1.40	0.77	5.7	6.7	----	6.5
February	29.385	30.046	28.690	24.1	30.8	----	37.1	20.7	28.9	52	1	18	24	----	78	75	----	.113	.136	----	1.00	.61	6.6	6.5	----	5.7
March	29.193	29.770	28.160	33.5	43.2	----	50.7	28.3	39.5	73	2	25	29	----	74	60	----	.150	.172	----	3.61	1.41	5.2	5.2	----	5.1
April	29.122	29.540	28.520	46.3	59.3	----	64.4	42.2	53.3	79	27	38	39	----	74	49	----	.243	.248	----	4.21	2.50	5.7	5.7	----	5.4
May	29.059	29.350	28.450	56.4	68.2	----	72.2	53.1	62.6	87	36	49	50	----	78	54	----	.372	.387	----	1.97	.73	6.5	6.6	----	6.4
June	29.109	29.406	28.600	68.3	79.2	----	81.5	64.3	72.9	93	51	64	65	----	86	63	----	.607	.625	----	6.31	2.06	5.2	5.9	----	5.3
July	29.165	29.370	28.990	70.5	84.3	----	87.5	67.1	77.3	94	58	66	68	----	85	60	----	.641	.687	----	3.71	1.50	4.0	4.7	----	4.3
August	29.144	29.360	28.950	68.5	82.6	----	86.4	66.1	76.2	97	48	65	66	----	89	59	----	.628	.650	----	3.92	1.79	6.4	5.1	----	5.3
September	29.189	29.470	28.840	60.9	74.2	----	77.6	58.7	68.2	88	44	58	59	----	90	61	----	.501	.516	----	3.03	1.03	6.1	5.7	----	5.7
October	29.327	29.630	28.700	44.3	58.5	----	61.8	43.0	52.4	78	24	40	40	----	83	53	----	.258	.265	----	2.67	1.09	5.8	5.5	----	5.2
November	29.255	29.553	28.740	38.8	50.7	----	54.8	36.1	45.4	72	23	34	36	----	83	59	----	.201	.220	----	1.35	.62	5.0	4.7	----	4.9
December	29.216	29.780	28.530	35.9	44.3	----	48.7	31.6	40.2	68	3	32	34	----	84	68	----	.186	.206	----	2.53	1.44	5.8	7.2	----	6.7
Year	29.197	30.046	28.160	48.5	59.7	----	64.2	45.1	54.6	97	1	43	45	----	82	60	----	.338	.357	----	35.71	2.50	5.7	5.8	----	5.5

Annual meteorological summary for the year ending December 31, 1923—Continued

CHICAGO UNIVERSITY, ILL.

[H_b=673 ft.; h_t=7 ft.; h_r=3 ft.; h_a=131 ft.]

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorms	Auroras
	Miles		*Mi.*																									
January	12.6	NW.	36	SE.	0	0	6	7	12	4	7	8	18	0	5	9	17	14	7	16	10	0	0	8	0	28	1	0
February	13.1	NW.	45	NW.	2	1	3	3	7	5	8	13	16	0	7	7	14	11	6	17	9	0	2	17	0	28	0	0
March	15.1	NW.	48	NE.	3	1	5	5	7	7	11	3	23	0	11	7	13	13	11	13	8	0	0	5	0	25	0	0
April	13.0	NE.	51	SW.	1	3	13	7	5	7	12	5	8	0	11	11	8	9	7	5	3	0	0	0	0	8	1	0
May	12.2	NE.	38	NW.	0	2	31	8	6	4	4	1	6	0	11	12	8	9	7	3	2	0	0	0	0	1	2	0
June	9.5	NE.	36	NE.	0	2	18	5	5	7	14	3	6	0	15	11	4	10	7	0	0	0	0	0	8	0	8	0
July	8.4	NE.	37	NW.	0	6	15	6	6	11	9	6	3	0	17	10	4	9	7	0	0	0	0	6	5	0	7	0
August	9.4	NE.	50	NW.	1	2	18	10	5	6	9	8	4	0	9	13	9	10	8	0	0	0	1	0	1	0	7	0
September	9.1	NE.	30	N.	0	3	17	5	7	13	7	4	4	0	7	14	9	11	10	0	0	0	2	0	0	0	5	0
October	9.6	NW.	38	NW.	0	2	9	2	8	8	10	9	13	1	10	13	8	9	5	1	1	0	0	0	0	2	0	0
November	11.5	NW.	30	NE.	0	2	4	4	7	10	9	7	17	0	9	5	16	5	5	0	0	0	1	0	0	6	0	0
December	12.7	SW.	38	NE.	0	2	15	2	3	9	15	7	9	0	9	7	15	13	10	3	3	0	3	0	0	14	0	0
Year	11.4	NE.	51	SW.	7	26	154	64	78	91	115	74	127	1	121	119	125	123	90	58	36	0	9	30	14	112	31	0

CINCINNATI, OHIO (ABBE OBSERVATORY)

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	9.5	W.	34	SW.	0	2	5	4	16	5	7	13	10	0	7	4	20	13	10	4	0	0	3	1	0	23	2	0
February	9.1	SW.	38	W.	0	7	8	2	4	6	9	9	11	0	5	7	16	11	6	12	3	0	3	12	0	22	0	0
March	10.6	SW.	48	SW.	2	5	4	3	9	4	17	4	16	0	10	9	12	11	11	3	1	0	0	1	0	19	2	0
April	9.5	SW.	38	SW.	0	5	11	3	5	7	14	5	10	0	12	8	10	12	7	0	0	0	1	0	0	4	2	0
May	7.9	NE.	37	W.	0	4	22	8	8	4	10	2	4	0	6	11	14	11	8	2	2	0	0	0	0	1	6	0
June	5.6	SW.	31	NW.	0	6	9	7	7	6	14	5	5	1	15	8	7	9	8	0	0	0	1	0	7	0	6	0
July	5.0	NE.	32	N.	0	9	14	6	6	5	8	9	5	0	9	17	5	10	9	0	0	0	0	0	9	0	11	0
August	5.1	SW.	36	NW.	0	6	13	5	7	8	13	7	3	0	12	11	8	12	8	0	0	0	2	0	7	0	9	0
September	5.3	NE.	19	SE.	0	5	18	4	4	9	10	4	3	3	10	11	9	8	7	0	0	0	1	0	0	0	2	0
October	6.5	NE.	26	NE.	0	15	16	3	4	0	12	4	5	3	17	3	11	8	6	0	0	0	0	0	0	3	0	0
November	7.2	NE.	24	SW.	0	6	11	7	9	4	10	2	11	0	10	5	15	10	7	2	0	0	0	0	0	8	0	0
December	7.8	SW.	34	W.	0	4	4	5	14	4	16	7	8	0	7	5	19	17	14	3	1	0	6	1	0	11	2	0
Year	7.4	SW.	48	SW.	2	74	135	57	93	62	140	71	91	7	120	99	146	132	101	26	7	0	17	15	23	91	42	0

CLEVELAND, OHIO

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	15.7	NW.	44	S.	2	2	2	2	9	13	3	15	16	0	1	4	26	16	11	19	9	0	2	11	0	30	0	0
February	14.2	W.	60	W.	4	4	11	0	2	11	7	10	11	0	0	8	20	18	10	18	12	0	4	14	0	27	0	0
March	17.7	NW.	52	S.	6	5	4	1	4	17	8	6	17	0	5	7	19	17	9	17	8	0	0	7	0	21	0	0
April	14.7	W.	52	W.	2	3	9	5	1	16	8	10	8	0	10	9	11	9	8	5	1	0	2	0	0	10	1	0
May	13.3	NE.	47	W.	2	6	24	3	6	12	3	4	4	0	13	8	10	8	7	2	2	0	0	0	0	6	3	0
June	10.2	SW.	38	N.	0	10	7	2	1	10	11	12	6	1	11	13	6	6	4	0	0	0	0	0	1	0	3	0
July	9.7	NE.	37	NW.	0	8	15	7	5	17	3	6	1	0	10	11	10	11	11	0	0	0	0	0	0	0	8	0
August	10.4	S.	36	W.	0	10	12	3	5	16	6	7	3	0	5	21	5	9	8	0	0	0	0	0	0	0	6	0
September	10.3	S.	36	NE.	0	11	6	5	15	9	7	4	3	0	3	15	12	11	7	0	0	0	2	0	0	0	5	0
October	12.9	W.	58	N.	2	11	3	4	9	9	13	6	7	0	8	8	15	6	4	1	0	0	0	0	0	1	0	0
November	13.7	S.	48	NW.	1	8	4	3	4	12	12	9	8	0	4	9	17	11	9	7	1	0	2	0	0	4	0	0
December	15.3	S.	54	W.	3	6	9	2	3	19	11	7	5	0	4	5	22	16	16	7	2	0	5	1	0	9	0	0
Year	13.2	S.	60	W.	22	84	106	37	64	161	92	96	89	1	74	118	173	138	104	76	35	0	17	33	1	102	26	0

COLUMBIA, MO.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	9.4	W.	28	NW.	0	0	5	1	10	1	6	7	1	0	9	5	17	5	3	2	0	0	1	2	0	22	2	0
February	8.7	NW.	36	NW.	0	6	3	2	2	6	2	2	5	0	9	7	12	9	5	5	3	0	0	9	0	24	1	0
March	11.1	S.	35	NW.	0	6	2	3	4	7	5	0	4	0	15	2	14	10	8	5	3	2	0	1	0	22	3	0
April	9.9	S.	35	SW.	0	1	5	2	6	6	2	5	3	0	10	7	13	11	7	3	2	0	0	0	0	5	5	0
May	8.0	E.	37	NW.	0	3	6	10	5	2	1	1	3	0	6	14	11	15	9	1	0	0	0	0	0	0	6	0
June	6.1	SE.	27	W.	0	3	3	3	12	6	0	1	1	1	8	13	9	12	9	0	0	0	0	0	4	0	11	0
July	4.9	E.	23	NW.	0	0	3	7	8	4	6	1	2	0	14	9	8	7	7	0	0	0	0	0	11	0	8	0
August	5.5	SE.	40	SW.	1	1	9	7	4	4	4	2	0	0	10	13	8	9	8	0	0	0	0	0	8	0	10	0
September	5.9	SE.	24	NW.	0	2	2	6	11	4	1	1	2	1	8	12	10	11	11	0	0	0	0	0	0	0	8	0
October	5.9	E.	28	NW.	0	7	3	8	3	2	1	3	4	0	13	5	13	9	7	0	0	0	0	0	0	6	2	0
November	7.2	SE.	26	NW.	0	5	3	2	6	3	3	4	4	0	13	6	11	7	6	2	2	0	0	0	0	10	0	0
December	8.2	S.	31	W.	0	3	3	0	7	7	5	3	3	0	8	4	19	9	5	1	1	0	3	1	0	17	0	0
Year	7.6	SE.	40	SW.	1	37	47	51	78	52	36	30	32	2	123	97	145	114	85	19	11	2	4	13	23	106	56	0

Annual meteorological summary for the year ending December 31, 1923—Continued

COLUMBIA, S. C.

[ϕ=34° 00′ N.; λ=81° 03′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.768	30.210	29.300	43.3	55.1	52.4	60.4	40.8	50.6	74	31	38	36	36	80	52	58	0.241	0.231	0.232	2.54	1.48	4.5	4.0	3.5	4.5
February	29.806	30.170	29.450	39.7	49.2	48.9	55.2	37.4	46.3	77	21	33	33	33	78	60	59	.222	.235	.226	2.83	1.04	5.1	5.5	4.8	6.0
March	29.725	30.112	28.920	50.9	62.6	59.5	66.8	46.9	56.8	82	27	44	44	42	79	54	56	.319	.315	.292	3.30	.95	5.3	4.5	5.1	5.2
April	29.657	30.183	29.160	55.1	68.0	64.4	73.2	51.2	62.2	90	29	49	50	51	80	56	66	.369	.389	.391	2.17	.63	5.3	4.9	3.9	5.0
May	29.578	29.840	29.250	64.0	74.1	70.6	78.4	59.8	69.1	87	42	60	58	58	87	61	68	.530	.509	.510	2.97	.65	6.3	6.8	6.2	6.5
June	29.634	29.880	29.260	72.4	83.5	78.6	87.6	67.9	77.8	95	60	65	64	65	78	52	65	.631	.605	.625	5.27	2.70	5.1	5.0	5.3	5.1
July	29.641	29.905	29.320	73.9	85.3	79.6	89.3	70.4	79.8	97	64	69	66	68	85	54	69	.708	.649	.688	2.37	.50	4.7	5.5	5.8	5.4
August	29.648	29.770	29.450	74.1	84.9	78.5	88.7	71.2	80.0	98	62	71	70	71	89	62	79	.751	.739	.758	5.47	1.22	6.0	5.9	6.7	6.6
September	29.703	30.090	29.450	69.5	81.8	75.7	85.1	67.5	76.3	94	57	66	65	66	88	59	73	.650	.633	.647	3.13	1.63	4.8	4.6	4.1	4.8
October	29.725	30.030	29.220	55.4	69.7	65.2	73.5	53.2	63.4	83	41	52	56	54	88	63	69	.394	.458	.432	.70	.42	4.4	4.5	3.8	4.5
November	29.722	30.130	29.450	44.6	57.0	53.9	61.2	42.6	51.9	70	28	41	46	44	87	68	70	.266	.320	.295	1.34	.58	4.8	4.7	4.1	4.9
December	29.771	30.390	29.120	47.6	58.2	56.1	62.7	45.5	54.1	74	29	44	48	48	88	71	75	.309	.364	.351	2.72	.95	5.7	6.5	5.2	6.5
Year	29.698	30.390	28.920	57.5	69.1	65.3	73.5	54.5	64.0	98	21	53	53	53	84	59	67	.449	.454	.454	34.81	2.70	5.2	5.2	4.9	5.4

COLUMBUS, OHIO

[ϕ=39° 58′ N.; λ=83° 00′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.187	29.810	28.660	30.9	34.0	34.5	40.3	27.2	33.8	54	11	24	28	29	76	78	79	0.133	0.156	0.162	3.46	1.03	8.2	8.2	7.4	8.0
February	29.279	29.720	28.760	22.0	28.4	29.0	34.3	18.6	26.4	55	−1	16	22	23	75	76	75	.098	.130	.137	2.51	.85	7.6	8.0	6.2	7.5
March	29.160	29.650	28.410	32.4	39.5	39.2	48.1	27.6	37.8	65	9	25	31	30	74	70	68	.145	.180	.175	3.04	.92	6.3	7.1	3.8	5.9
April	29.120	29.730	28.680	43.1	54.1	53.2	60.6	38.7	49.6	77	15	34	40	38	71	61	59	.204	.253	.237	2.12	.80	4.7	6.5	4.2	5.2
May	29.066	29.360	28.510	55.1	66.1	63.4	70.7	48.8	59.8	85	31	44	51	48	68	61	62	.307	.393	.359	2.42	1.01	5.6	6.1	4.6	5.3
June	29.123	29.410	28.700	67.4	77.6	74.4	81.7	62.1	71.9	94	48	60	62	62	78	60	66	.536	.565	.554	5.10	1.32	3.9	6.0	5.1	5.4
July	29.157	29.395	28.850	69.3	81.1	77.6	85.0	64.7	74.8	92	55	60	60	61	74	50	59	.533	.526	.544	4.09	.88	4.2	5.2	6.1	5.0
August	29.143	29.330	28.880	66.2	77.2	75.0	81.1	62.6	71.8	90	48	59	60	62	79	56	64	.526	.541	.572	4.97	1.34	4.5	5.7	5.2	5.4
September	29.227	29.560	28.890	61.0	71.9	68.3	75.5	58.3	66.9	88	39	50	56	56	84	59	67	.475	.479	.477	3.39	1.13	4.9	6.2	4.9	5.4
October	29.274	29.592	28.600	45.7	57.2	54.8	61.6	42.9	52.2	80	27	40	42	42	82	60	64	.263	.279	.275	1.66	.84	4.7	4.8	3.3	4.7
November	29.207	29.600	28.760	37.2	45.4	43.8	49.8	35.0	42.4	63	25	33	36	38	85	71	81	.194	.219	.233	2.30	.86	6.5	6.0	5.6	6.3
December	29.164	29.800	28.430	38.8	43.5	42.8	49.3	34.7	42.0	60	21	36	37	39	90	79	86	.226	.231	.247	6.12	1.50	6.9	7.3	6.7	7.6
Year	29.176	29.810	28.410	47.4	56.3	54.7	61.5	43.4	52.4	94	−1	41	44	44	78	65	69	.303	.329	.331	41.18	1.50	5.7	6.4	5.3	6.0

CONCORD, N. H.

[ϕ=43° 12′ N.; λ=71° 32′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.710	30.490	29.080	16.9	22.7	----	28.0	11.3	19.6	49	−9	12	16	----	78	75	----	0.084	0.099	----	3.78	0.85	5.6	6.5	----	5.8
February	29.747	30.320	29.160	11.4	20.8	----	25.7	7.0	16.4	39	−14	6	13	----	80	71	----	.064	.083	----	1.03	.54	5.6	5.8	----	4.0
March	29.650	30.400	28.740	22.1	31.4	----	37.7	16.5	27.1	63	−4	16	22	----	77	68	----	.098	.125	----	1.42	.44	5.4	5.2	----	4.8
April	29.606	30.310	28.900	41.0	50.1	----	54.9	33.2	44.0	83	8	33	35	----	73	56	----	.208	.216	----	4.82	2.37	5.1	5.3	----	5.2
May	29.631	29.983	29.140	52.6	63.5	----	67.1	41.2	54.2	87	34	44	50	----	74	64	----	.298	.370	----	1.47	.64	3.5	4.7	----	4.0
June	29.531	29.908	28.900	64.0	74.7	----	78.8	53.7	66.2	95	41	56	61	----	78	64	----	.473	.545	----	1.42	.66	6.1	6.5	----	3.5
July	29.690	30.110	29.400	64.6	74.7	----	78.1	54.5	66.3	92	45	57	58	----	77	59	----	.467	.485	----	4.35	1.93	5.4	6.0	----	3.9
August	29.658	29.898	29.207	61.8	73.3	----	78.4	52.8	65.6	92	42	54	55	----	79	55	----	.441	.452	----	2.19	1.43	3.0	4.2	----	3.2
September	29.806	30.139	29.460	57.3	68.4	----	71.9	50.5	61.2	87	32	53	55	----	86	64	----	.413	.452	----	2.51	.79	5.2	4.7	----	4.9
October	29.776	30.125	29.235	44.2	57.6	----	62.0	37.3	49.5	80	24	39	45	----	84	64	----	.249	.304	----	2.97	1.85	4.5	4.3	----	5.0
November	29.742	30.258	28.967	32.8	44.7	----	48.8	28.1	38.4	66	14	30	36	----	88	71	----	.172	.213	----	6.10	3.73	5.4	5.2	----	5.7
December	29.692	30.409	28.960	29.8	36.6	----	40.8	25.6	33.2	61	10	26	30	----	84	79	----	.144	.177	----	3.09	1.32	6.5	6.5	----	6.7
Year	29.687	30.490	28.740	41.5	51.5	----	56.0	34.3	45.2	95	−14	36	40	----	80	66	----	.259	.293	----	35.15	3.73	5.1	5.4	----	4.7

CONCORDIA, KANS.

[ϕ=39° 35′ N.; λ=97° 41′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	28.536	29.100	28.100	29.5	41.6	39.8	48.3	26.0	37.2	65	14	21	23	22	71	49	50	0.109	0.121	0.117	0.01	0.01	4.1	6.0	4.5	6.4
February	28.746	29.443	28.030	22.6	33.4	35.1	40.7	19.4	30.0	59	−3	12	16	17	63	49	46	.096	.097	.098	.38	.20	4.5	4.2	3.0	4.1
March	28.530	29.070	27.840	29.8	42.8	42.2	50.1	25.7	37.9	76	−2	22	26	24	73	54	54	.119	.138	.132	1.32	.82	4.9	5.4	5.0	5.5
April	28.440	28.800	27.870	44.2	59.1	59.1	65.3	42.1	53.7	80	24	37	39	40	76	51	53	.232	.259	.266	3.20	1.25	4.3	5.0	5.9	5.4
May	28.426	28.870	27.950	53.9	65.0	66.1	69.6	50.8	60.2	81	32	49	50	51	83	62	60	.359	.382	.387	5.48	1.59	4.5	6.2	5.4	5.8
June	28.427	28.750	28.180	66.8	77.4	77.5	81.4	64.7	73.0	94	50	63	64	64	88	65	66	.584	.602	.613	7.32	1.43	6.0	6.1	4.8	5.7
July	28.512	28.700	28.260	71.2	84.6	85.3	88.7	69.0	78.8	98	59	65	64	65	81	52	52	.618	.608	.626	4.48	3.49	5.5	5.0	3.9	4.8
August	28.494	28.820	28.220	67.6	81.4	81.9	87.1	65.3	76.2	97	51	61	61	62	80	52	54	.545	.551	.583	2.75	.70	5.4	5.1	3.5	5.0
September	28.518	28.800	28.170	59.6	75.8	74.0	80.4	58.7	69.6	92	48	54	55	56	83	53	57	.434	.446	.467	2.94	1.16	4.9	5.2	6.6	5.8
October	28.677	29.040	28.090	44.8	57.1	53.5	60.3	42.9	51.6	76	24	40	41	42	84	57	66	.268	.273	.290	1.76	.95	5.4	6.3	6.1	6.2
November	28.610	28.940	28.200	36.4	51.3	47.4	55.5	34.3	44.9	70	20	31	34	34	81	52	60	.179	.196	.199	.61	.39	3.3	4.7	2.1	4.7
December	28.579	29.170	27.850	28.7	40.5	37.2	44.5	26.6	35.6	61	−3	24	25	26	80	56	63	.127	.140	.142	.17	.11	4.1	6.1	4.3	5.8
Year	28.541	29.443	27.840	46.3	59.2	58.3	64.3	43.8	54.1	98	−3	40	42	42	79	54	57	.306	.318	.327	30.41	3.49	4.7	5.4	4.5	5.4

Annual meteorological summary for the year ending December 31, 1923—Continued

COLUMBIA, S. C.

[H_b=351 ft.; h_t=41 ft.; h_r=32 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	7.9	S.	26	NE.	0	5	9	5	0	14	9	12	8	0	14	10	7	6	5	0	0	0	1	0	0	1	0	0
February	7.4	NE.	29	W.	0	3	14	3	3	8	11	7	7	0	11	3	14	10	9	0	0	0	3	0	0	9	0	0
March	8.5	NE.	38	S.	0	5	15	3	3	8	10	9	9	0	14	5	12	10	10	0	0	0	0	0	0	2	3	0
April	7.2	NE.	33	N.	0	9	14	5	4	12	9	1	6	0	10	10	10	11	9	0	0	0	0	0	0	1	6	0
May	6.6	NE.	30	SW.	0	5	15	7	4	12	9	6	2	2	7	6	18	11	8	0	0	0	0	0	0	0	6	0
June	6.5	S.	27	SW.	0	4	6	4	11	13	12	5	4	1	12	9	9	10	4	0	0	0	0	0	8	0	9	0
July	6.2	S.	42	SW.	1	2	14	6	4	16	14	3	3	0	11	10	10	12	10	0	0	0	0	0	14	0	11	0
August	5.3	SW.	24	W.	0	4	11	3	8	8	21	4	3	0	4	13	14	18	12	0	0	0	2	0	15	0	13	0
September	5.5	NE.	17	W.	0	9	18	7	4	12	2	3	3	2	10	13	7	9	6	0	0	0	1	0	5	0	7	0
October	6.0	NE.	25	N.	0	13	27	4	6	2	3	4	3	0	13	10	8	4	3	0	0	0	2	0	0	0	0	0
November	6.4	NE.	22	SW.	0	8	18	1	2	6	6	9	10	0	12	6	12	7	5	0	0	0	4	0	0	2	0	0
December	7.9	NE.	37	SW.	0	2	17	1	3	15	14	5	5	0	7	10	14	9	9	0	0	0	3	0	0	1	0	0
Year	6.8	NE.	42	SW.	1	69	178	49	52	126	120	68	63	5	125	105	135	117	90	0	0	0	16	0	42	16	55	0

COLUMBUS, OHIO

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	13.0	NW.	36	S.	0	0	3	12	7	9	1	15	15	0	3	7	21	15	14	8	2	0	1	5	0	27	0	0
February	12.7	NW.	61	NW.	2	7	3	5	6	8	5	9	13	0	5	4	19	12	10	15	7	0	1	13	0	23	0	0
March	14.7	NW.	60	W.	4	5	0	5	7	12	8	6	19	0	7	15	9	14	10	8	3	0	0	3	0	21	3	0
April	13.1	NW.	50	SW.	2	9	2	7	6	8	9	8	11	0	9	13	8	8	6	1	0	0	0	0	0	3	1	0
May	11.8	E.	58	NW.	3	9	12	15	5	8	5	7	1	0	10	12	9	9	6	2	1	1	0	0	0	1	4	0
June	7.9	W.	50	N.	4	8	3	6	4	10	12	8	9	0	8	15	7	12	10	0	0	1	2	0	8	0	10	0
July	7.7	E.	50	NW.	1	13	4	16	7	7	2	7	6	0	11	10	10	14	12	0	0	1	0	0	5	0	11	0
August	7.3	N.	56	W.	1	14	3	5	6	13	9	9	3	0	11	8	12	15	12	0	0	0	2	0	2	0	10	0
September	8.2	S.	28	W.	0	13	5	9	6	14	3	5	5	0	10	10	10	10	9	0	0	0	2	0	0	0	6	0
October	9.7	N.	33	NW.	0	16	0	7	7	4	5	9	6	2	14	6	11	9	7	0	0	0	1	0	6	1	0	0
November	9.9	NW.	38	NW.	0	9	0	11	8	7	4	7	13	1	8	6	16	11	7	1	0	0	4	0	0	9	0	0
December	8.0	S.	39	W.	0	8	3	4	8	16	10	9	3	1	4	6	21	17	17	4	2	0	4	0	0	12	1	0
Year	10.3	NW.	61	NW.	17	111	44	102	77	116	73	99	104	4	100	112	153	146	120	39	15	3	17	21	15	97	46	0

CONCORD, N. H.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	5.0	NW.	31	NW.	0	8	2	0	1	0	0	3	17	0	11	7	13	14	14	14	12	0	1	23	0	30	0	0
February	5.6	NW.	25	W.	0	9	1	1	2	3	4	2	6	0	12	11	5	6	5	12	6	0	0	21	0	28	0	0
March	6.6	NW.	34	W.	0	9	3	1	2	1	0	3	12	0	13	8	10	7	7	10	6	0	0	11	0	29	0	0
April	6.9	W.	25	N.	0	9	4	0	4	1	3	7	2	0	12	7	11	11	9	3	2	0	0	1	0	14	1	0
May	5.2	N.	24	W.	0	11	3	4	4	0	3	1	5	0	18	5	8	9	6	0	0	0	0	0	0	0	1	0
June	4.9	W.	25	W.	0	6	3	4	3	1	0	7	6	0	19	9	2	7	5	0	0	0	0	0	4	0	1	0
July	3.7	N.	18	NW.	0	11	3	4	5	1	0	4	3	0	20	5	6	7	6	0	0	0	0	0	2	0	3	0
August	4.1	S.	24	NW.	0	5	3	2	4	6	1	5	5	0	18	11	2	9	8	0	0	0	0	0	2	0	6	0
September	3.7	SE.	20	SW.	0	12	2	1	4	5	2	2	2	0	15	6	9	12	10	0	0	0	0	0	0	1	2	0
October	4.8	NW.	28	N.	0	5	2	2	0	4	2	6	10	0	11	12	8	7	6	0	0	0	4	0	0	8	0	0
November	4.6	NW.	22	SW.	0	7	3	1	3	5	2	2	7	0	11	7	12	8	7	3	0	0	2	1	0	23	0	0
December	5.0	NW.	27	SW.	0	3	4	2	1	6	2	1	12	0	6	11	14	12	10	9	5	0	1	6	0	22	0	0
Year	5.0	N.	34	W.	0	95	33	22	33	33	19	43	87	0	166	99	100	109	93	51	31	0	8	63	8	155	14	0

CONCORDIA, KANS.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	8.1	NW.	38	NW.	0	8	4	5	7	8	12	5	12	1	7	11	13	1	0	1	0	0	0	3	0	25	0	0
February	8.5	N.	38	NW.	0	12	3	4	6	10	6	5	10	0	14	6	8	4	3	3	1	0	0	6	0	23	0	0
March	11.4	S.	42	N.	1	8	8	6	4	14	6	3	13	0	7	15	9	8	5	6	5	0	0	3	0	23	0	0
April	10.8	S.	35	S.	0	8	7	6	8	14	2	6	7	2	10	11	9	10	8	1	1	1	0	0	0	3	4	0
May	8.0	SE.	44	NW.	1	10	4	16	11	8	2	5	5	1	10	8	13	14	13	0	0	0	2	0	0	0	7	0
June	7.8	S.	30	NW.	0	7	3	7	16	20	1	1	3	2	5	19	6	16	15	0	0	1	0	0	3	0	12	0
July	6.4	S.	25	S.	0	4	4	13	17	14	1	1	4	4	9	19	3	9	7	0	0	0	0	0	15	0	6	0
August	6.5	NE.	30	NW.	0	6	12	17	7	13	3	1	3	0	10	18	3	14	11	0	0	0	0	0	12	0	14	0
September	6.9	S.	24	SE.	0	11	4	6	11	11	2	4	6	5	7	14	9	9	6	0	0	0	1	0	5	0	5	0
October	5.9	SE.	26	S.	0	11	3	9	7	10	2	6	9	5	9	6	16	9	6	1	0	0	1	0	0	5	1	0
November	6.1	S.	24	S.	0	6	7	2	3	14	6	12	8	2	13	7	10	5	3	1	0	0	0	0	0	11	0	0
December	7.2	S.	27	N.	0	11	3	3	3	19	6	4	13	0	10	9	12	4	1	3	2	0	1	3	0	25	0	0
Year	7.8	S.	44	NW.	2	102	62	94	100	155	49	53	93	22	111	143	111	103	78	16	9	2	5	15	35	115	49	0

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1923—Continued

CORPUS CHRISTI, TEX.

[ϕ=27° 49′ N.; λ=97° 25′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	30.070	30.590	29.710	59.9	69.8	65.9	72.5	57.5	65.0	84	40	55	56	58	85	65	77	0.466	0.485	0.507	0.40	0.25	4.7	6.5	3.8	5.4
February	30.123	30.510	29.750	55.4	59.4	58.2	63.3	52.1	57.7	79	29	52	53	53	88	81	84	.419	.438	.435	2.61	.77	8.1	9.1	8.6	6.9
March	30.023	30.580	29.500	59.2	67.0	64.1	69.2	56.0	62.2	87	31	52	53	52	78	64	68	.423	.442	.427	2.28	1.44	6.5	6.4	6.2	6.3
April	29.803	30.300	29.630	69.3	75.1	73.3	77.7	67.4	72.2	87	57	65	66	66	88	74	80	.637	.645	.654	.61	.39	7.9	6.7	6.4	6.9
May	29.814	30.200	29.450	75.2	82.2	79.7	84.3	72.8	78.6	93	62	68	68	69	80	64	72	.709	.709	.731	.09	.05	4.7	3.8	4.9	4.1
June	29.884	30.050	29.740	80.5	85.7	83.2	87.1	78.0	82.6	91	74	74	74	74	82	67	75	.850	.827	.849	.53	.40	3.9	5.0	5.4	4.4
July	29.954	30.160	29.820	78.7	86.8	84.1	89.4	76.4	82.9	95	70	74	73	74	86	64	72	.846	.814	.843	1.06	.56	4.4	4.7	4.7	4.5
August	29.952	30.120	29.750	79.2	87.5	83.9	89.5	77.3	83.4	93	72	75	74	75	88	64	75	.877	.837	.870	2.64	2.41	3.5	3.6	4.2	3.6
September	29.948	30.100	29.730	78.0	84.3	81.6	86.3	76.4	81.4	92	70	74	73	74	87	70	79	.827	.820	.841	0.35	2.35	6.7	6.4	6.2	6.6
October	29.985	30.390	29.490	69.5	78.4	74.9	79.6	67.5	73.6	89	54	64	65	65	84	66	73	.622	.649	.643	4.50	1.87	5.4	5.5	4.7	5.6
November	30.093	30.360	29.750	57.6	64.1	62.5	66.8	55.3	61.0	79	41	53	54	56	86	72	80	.422	.435	.458	2.15	1.01	8.3	7.5	7.1	7.9
December	30.074	30.560	29.680	57.1	60.5	59.3	63.7	53.4	58.6	77	38	54	54	54	90	82	84	.446	.455	.449	5.17	2.50	8.9	8.9	7.9	8.7
Year	29.984	30.590	29.450	68.3	75.1	72.6	77.4	65.8	71.6	95	29	63	64	64	85	69	77	.629	.630	.642	28.39	2.50	6.1	6.2	5.8	6.1

DALLAS, TEX.

[ϕ=32° 46′ N.; λ=96° 47′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.522	30.030	29.170	47.5	60.6	----	66.5	44.3	55.4	80	31	38	40	----	70	53	----	0.259	0.282	----	4.04	2.31	4.9	5.2	----	5.1
February	29.668	30.188	29.177	40.6	48.6	----	54.4	37.8	46.1	73	18	34	36	----	79	64	----	.218	.232	----	1.99	.76	6.9	7.3	----	6.9
March	29.516	30.020	28.830	44.9	56.6	----	64.0	42.3	53.2	77	16	37	36	----	74	47	----	.246	.234	----	1.62	.52	4.9	4.7	----	5.0
April	29.398	29.796	28.950	58.6	70.9	----	75.6	56.5	66.0	90	40	52	50	----	80	52	----	.412	.401	----	6.39	2.08	6.4	5.5	----	5.7
May	29.304	29.760	28.850	65.2	78.0	----	82.8	63.3	73.0	95	46	59	60	----	82	54	----	.526	.526	----	1.35	.81	5.3	4.8	----	4.7
June	29.378	29.600	29.120	73.4	85.2	----	89.1	71.7	80.4	98	64	68	67	----	83	55	----	.687	.659	----	8.99	4.29	4.6	4.7	----	4.3
July	29.427	29.650	29.240	76.9	90.4	----	95.0	76.1	85.6	103	69	66	65	----	71	44	----	.646	.623	----	.62	.61	4.4	4.7	----	4.5
August	29.430	29.580	29.230	76.7	90.6	----	95.1	75.7	85.4	104	67	67	62	----	72	41	----	.662	.571	----	.97	.63	4.0	3.4	----	3.6
September	29.451	29.630	29.230	69.0	84.0	----	87.8	68.7	78.2	96	60	65	63	----	85	51	----	.623	.584	----	3.14	1.29	4.5	5.4	----	4.7
October	29.538	29.900	29.000	56.5	67.9	----	71.6	55.2	63.4	93	41	52	51	----	85	59	----	.401	.405	----	5.34	3.69	4.7	5.5	----	5.2
November	29.574	29.850	29.120	47.4	60.6	----	64.6	46.2	55.4	78	35	43	43	----	85	55	----	.288	.289	----	2.05	.94	5.0	5.8	----	5.1
December	29.540	30.070	29.090	46.5	54.1	----	58.4	43.3	50.8	80	20	42	42	----	86	65	----	.295	.292	----	6.53	2.51	6.8	6.4	----	6.6
Year	29.478	30.188	28.830	58.6	70.6	----	75.4	56.8	66.1	104	16	52	51	----	79	53	----	.439	.426	----	43.03	4.29	5.2	5.2	----	5.1

DAVENPORT, IOWA

[ϕ=41° 30′ N.; λ=90° 38′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.384	29.990	28.850	26.0	31.9	31.3	35.9	22.4	29.2	50	14	22	25	25	84	74	76	0.120	0.136	0.135	0.97	0.46	5.8	7.0	6.9	7.2
February	29.549	30.179	28.920	17.4	24.2	24.2	29.6	12.9	21.2	50	-10	13	14	17	81	65	71	.093	.096	.101	.64	.36	6.3	5.5	5.3	5.9
March	29.362	29.990	28.240	26.9	33.4	33.2	41.4	21.8	31.6	67	-10	21	20	23	77	58	65	.120	.119	.130	5.05	1.80	4.9	5.4	6.0	5.5
April	29.295	29.770	28.640	43.3	55.2	54.1	60.4	38.8	49.6	82	26	35	34	35	73	48	52	.210	.205	.209	.59	.19	6.1	5.3	4.4	5.3
May	29.273	29.637	28.690	53.6	66.7	65.7	71.0	50.5	60.8	84	33	44	46	46	70	50	53	.295	.325	.332	3.60	1.55	6.3	6.0	5.4	6.1
June	29.295	29.650	28.929	68.0	79.2	77.9	82.9	64.4	73.6	98	50	61	61	61	78	55	59	.546	.558	.559	6.03	1.70	4.2	4.8	4.6	5.0
July	29.342	29.570	29.120	71.4	84.8	83.6	88.8	68.1	78.4	99	58	64	63	64	77	50	53	.594	.586	.599	1.76	.64	4.3	3.7	4.8	4.4
August	29.330	29.600	29.050	65.7	78.1	77.2	83.3	62.5	72.9	97	47	59	60	61	80	56	60	.515	.540	.561	1.61	.55	5.4	5.6	4.5	5.6
September	29.390	29.690	28.924	59.3	70.5	68.0	74.7	56.6	65.6	87	40	55	55	56	87	61	68	.455	.461	.479	4.53	.97	5.5	6.6	4.6	6.2
October	29.513	29.820	28.910	43.1	56.5	53.2	59.7	41.4	50.6	77	23	39	38	39	85	52	60	.250	.240	.256	1.18	.35	3.7	4.4	3.9	4.2
November	29.418	29.740	28.900	35.8	48.6	44.2	49.5	34.4	42.0	68	25	32	33	34	84	60	68	.180	.191	.197	1.02	.49	5.5	6.0	5.1	6.0
December	29.376	29.960	28.650	33.2	40.3	38.1	43.7	29.9	36.8	55	-5	30	31	32	86	70	77	.167	.181	.188	1.52	.67	5.5	5.8	4.4	6.1
Year	29.377	30.179	28.240	45.3	55.6	54.2	60.1	42.0	51.0	99	-10	40	40	41	80	58	64	.295	.303	.312	28.50	1.80	5.3	5.5	5.0	5.6

DAYTON, OHIO

[ϕ=39° 46′ N.; λ=84° 10′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.104	29.700	28.590	31.3	35.5	35.4	40.9	28.1	34.5	56	13	27	29	29	83	76	78	0.149	0.161	0.167	3.83	1.25	7.4	7.7	6.2	7.5
February	29.204	29.660	28.680	23.2	29.4	29.6	34.2	19.1	26.6	57	1	19	21	22	82	71	74	.115	.130	.137	1.60	.58	7.2	6.7	6.7	6.8
March	29.079	29.570	28.250	33.3	39.7	39.9	48.6	28.3	38.4	65	12	26	27	29	74	61	64	.150	.154	.170	2.42	.93	5.3	5.8	4.7	5.5
April	29.030	29.616	28.600	44.3	55.0	54.0	60.8	39.4	50.1	78	18	36	40	37	75	60	57	.221	.254	.230	1.56	.63	4.8	4.6	4.7	4.6
May	28.973	29.280	28.440	55.6	66.9	63.6	72.0	48.9	60.4	88	31	45	48	46	69	54	56	.313	.354	.336	2.56	1.00	5.1	4.3	5.7	5.0
June	29.037	29.320	28.570	68.8	78.2	74.9	82.2	62.7	72.4	97	49	61	59	60	76	54	62	.546	.520	.535	3.69	1.23	3.3	3.6	4.0	4.1
July	29.060	29.268	28.780	70.8	83.0	78.9	87.0	64.7	75.8	94	53	62	60	61	74	47	56	.554	.523	.545	1.50	.49	3.1	3.5	4.7	3.8
August	29.050	29.230	28.800	67.8	79.1	75.7	82.8	62.9	72.8	91	46	61	60	62	79	53	63	.557	.539	.567	3.23	.95	3.8	4.2	4.5	4.0
September	29.133	29.450	28.740	61.5	72.8	68.5	76.1	57.9	67.0	87	37	57	55	56	84	56	67	.480	.464	.483	3.45	1.48	4.2	3.9	4.4	4.6
October	29.189	29.510	28.600	46.1	58.3	55.0	63.3	42.1	52.7	80	25	40	38	40	81	50	60	.280	.240	.264	1.86	.76	3.7	4.3	3.7	4.0
November	29.123	29.510	28.670	37.6	46.8	44.6	50.6	35.0	42.8	63	28	32	34	34	81	62	68	.187	.197	.203	2.20	1.04	5.8	5.4	5.8	5.8
December	29.079	29.710	28.450	39.2	44.3	42.9	49.5	34.8	42.2	60	20	35	36	37	86	75	80	.252	.229	.235	6.84	1.61	5.9	6.6	6.6	6.9
Year	29.088	29.710	28.250	48.3	57.4	55.2	62.3	43.7	53.0	97	1	42	42	43	79	60	65	.315	.314	.323	34.80	1.61	5.0	5.0	5.1	5.2

Annual meteorological summary for the year ending December 31, 1923—Continued

CORPUS CHRISTI, TEX.

[H_b=20 ft.; h_t=11 ft.; h_r=63 ft.; h_a=73 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	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	S.	36	N.	0	5	8	1	14	27	4	1	2	0	9	13	9	4	2	0	0	0	2	0	0	0	3	0
February	14.4	NE.	48	S.	2	14	14	8	6	9	0	2	3	0	1	3	24	15	12	1	0	0	3	0	0	3	4	0
March	15.2	N.	49	S.	5	21	3	9	12	14	0	0	3	0	9	9	13	10	5	0	0	0	0	0	0	1	3	0
April	13.9	SE.	47	NE	3	5	7	6	24	16	1	1	0	0	5	9	16	4	2	0	0	0	0	0	0	0	3	0
May	15.8	SE.	48	S.	2	3	4	5	27	19	0	2	2	0	15	13	3	4	1	0	0	0	0	0	2	0	5	0
June	15.0	SE.	36	SE.	0	0	0	3	38	15	1	1	1	1	14	12	4	6	2	0	0	0	0	0	1	0	3	0
July	13.3	S.	33	SE.	0	1	0	2	24	28	4	1	1	1	12	14	5	5	5	0	0	0	0	0	13	0	9	0
August	12.9	S.	34	S.	0	2	1	0	25	32	1	0	1	0	15	13	3	5	4	0	0	0	0	0	13	0	7	0
September	10.9	SE.	44	NE.	1	7	6	12	16	16	2	0	0	1	6	9	15	12	9	0	0	0	0	0	2	0	16	0
October	11.5	N.	35	N.	0	22	12	15	10	1	0	2	0	0	11	6	14	7	4	0	0	0	1	0	0	0	3	0
November	9.5	N.	30	NE.	0	20	5	10	7	5	1	2	10	0	4	6	20	13	6	0	0	0	0	0	0	0	2	0
December	10.8	N.	47	N.	1	19	7	3	5	15	0	1	12	0	2	3	26	15	12	0	0	0	0	0	0	0	1	0
Year	13.0	SE.	49	S.	14	119	67	74	208	197	14	13	35	3	103	110	152	100	64	1	0	0	6	0	31	4	59	0

DALLAS, TEX.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	9.2	S.	37	NE.	0	3	2	3	7	5	0	3	5	3	14	5	12	9	7	2	1	0	1	0	0	2	6	0
February	7.8	NW.	25	N.	0	4	7	3	1	2	1	4	5	1	7	2	19	13	9	3	1	0	1	1	0	8	4	0
March	11.7	NW.	54	SW.	5	2	3	1	7	6	0	1	11	0	11	11	9	10	8	0	0	0	0	0	0	4	3	0
April	9.7	SE.	35	SW.	0	2	5	5	9	3	0	4	2	0	9	12	9	12	9	0	0	1	1	0	0	0	8	0
May	10.0	SE.	41	S.	1	0	2	6	8	3	0	2	7	3	11	16	4	6	2	0	0	2	0	0	3	0	7	0
June	9.2	SE.	29	NW.	0	3	1	3	10	11	0	1	1	0	14	11	5	8	7	0	0	0	0	0	15	0	8	0
July	6.9	S.	26	NE.	0	0	1	8	6	11	4	1	0	0	12	15	4	2	1	0	0	0	0	0	27	0	4	0
August	6.8	S.	26	S.	0	0	0	4	5	17	0	1	4	0	20	8	3	6	5	0	0	0	0	0	26	0	5	0
September	7.2	SE.	44	SE.	1	1	0	14	2	8	0	1	4	0	11	12	7	8	6	0	0	0	0	0	11	0	7	0
October	6.8	E.	28	NW.	0	6	5	10	1	0	0	3	6	0	12	8	11	11	8	0	0	0	0	0	1	0	4	0
November	7.4	NW.	23	S.	0	1	1	6	6	2	0	6	7	1	12	7	11	5	4	0	0	0	2	0	0	0	1	0
December	8.3	S.	32	S.	0	4	2	1	5	6	1	3	9	0	6	13	12	13	12	0	0	0	1	0	0	3	4	0
Year	8.4	S.	54	SW.	7	26	29	64	67	74	6	30	61	8	139	120	106	103	78	5	2	3	6	1	83	17	61	0

DAVENPORT, IOWA

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	8.0	E.	26	NW.	0	3	5	18	3	4	3	11	15	0	5	8	18	12	7	11	6	0	2	8	0	29	0	0
February	8.3	NW.	32	W.	0	4	2	3	1	6	5	18	17	0	9	7	12	5	4	14	3	0	1	15	0	27	1	0
March	9.1	NW.	42	NE.	1	2	7	6	2	9	11	4	21	0	11	8	12	10	8	11	7	0	0	6	0	27	2	0
April	8.8	SW.	29	SW.	0	4	12	9	2	8	9	5	10	1	12	8	10	11	4	3	1	0	1	0	0	8	1	0
May	9.0	E.	40	NE.	1	1	13	27	1	6	3	0	11	0	7	10	14	12	10	1	1	0	0	0	0	0	5	0
June	6.6	S.	30	SW.	0	2	7	7	3	19	11	7	4	0	11	11	8	12	9	0	0	1	0	0	8	0	7	0
July	5.3	E.	25	S.	0	4	13	11	3	10	12	4	5	0	11	16	4	5	4	0	0	0	0	0	15	0	5	0
August	5.7	E.	29	NW.	0	5	16	13	0	2	11	4	10	1	10	9	12	10	6	0	0	0	0	0	4	0	7	0
September	5.6	E.	23	NW.	0	6	7	17	4	7	3	5	7	4	7	8	15	11	10	0	0	0	2	0	0	0	7	0
October	5.3	NW.	22	NW.	0	6	6	12	1	3	6	14	9	5	17	4	10	8	7	2	2	0	3	0	0	4	0	0
November	6.3	NW.	22	NW.	0	4	5	7	5	7	7	7	7	1	12	4	14	8	5	2	2	0	2	0	0	11	0	0
December	7.4	SW.	24	W.	0	5	5	11	2	4	16	7	10	2	9	7	15	10	6	3	1	0	3	1	0	17	0	0
Year	7.1	E.	42	NE.	2	46	98	141	27	85	97	86	136	14	121	100	144	114	80	47	23	1	14	30	27	123	35	0

DAYTON, OHIO

[H_b=899 ft.; h_t=137 ft.; h_r=132 ft.; h_a=173 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	12.4	NW.	39	NW.	0	5	5	5	7	6	11	3	20	0	4	9	18	17	11	5	2	0	2	3	0	26	0	0
February	12.4	NW.	46	NW.	2	2	11	2	2	7	10	7	15	0	6	8	14	13	7	16	7	0	2	15	0	22	0	0
March	14.9	SW.	66	W.	6	5	4	2	3	6	21	2	19	0	9	12	10	13	9	6	2	0	0	3	0	21	4	0
April	13.0	SW.	52	SW.	4	6	11	3	3	5	15	8	9	0	13	10	7	9	6	1	0	0	0	0	0	4	0	0
May	11.9	NE.	46	NW.	2	2	26	6	5	4	9	6	3	1	11	11	9	11	11	2	2	0	0	0	0	1	5	0
June	8.3	SW.	44	S.	1	4	12	4	3	3	23	6	5	0	17	8	5	10	7	0	0	0	1	0	6	0	8	0
July	7.0	NE.	42	W.	1	8	20	6	4	2	11	4	5	2	16	12	3	11	6	0	0	0	0	0	10	0	7	0
August	6.6	SW.	42	NW.	1	7	14	3	4	6	16	6	5	1	13	15	3	15	11	0	0	0	0	0	2	0	11	0
September	6.7	NE.	40	SW.	1	8	16	6	3	8	13	3	2	1	13	11	6	8	6	0	0	0	1	0	0	0	4	0
October	7.8	NE.	32	SW.	0	10	25	1	5	3	5	5	7	1	17	6	8	8	6	0	0	0	0	0	0	4	2	0
November	8.9	SW.	29	NW.	0	10	10	7	2	8	9	6	7	1	9	7	14	12	7	1	0	0	0	0	0	10	0	0
December	9.9	SW.	46	W.	1	9	8	5	1	9	19	5	6	0	7	6	18	18	15	4	1	0	2	0	0	13	0	0
Year	10.0	SW.	66	W.	19	76	162	50	42	67	162	61	103	7	135	115	115	145	102	35	14	0	8	21	18	101	41	0

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1928—Continued

DEL RIO, TEX.

[ϕ=29° 20′ N.; λ=100° 53′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.*	In.				
January	29.071	29.590	28.690	48.0	63.9	....	70.8	46.2	58.5	83	30	39	39	....	73	46	....	0.275	0.272	.....	0.84	0.76	3.6	3.8	....	3.8
February	29.143	29.620	28.750	47.1	54.4	....	60.5	44.2	52.4	79	24	44	43	....	89	70	....	.307	.298	.....	1.60	.69	7.8	8.0	....	7.8
March	29.046	29.610	28.470	50.1	61.1	....	68.2	47.6	57.9	80	28	41	39	....	73	52	....	.280	.275	.....	2.47	1.95	5.1	4.9	....	4.7
April	28.909	29.230	28.560	62.3	74.5	....	79.3	61.1	70.2	92	50	58	57	....	88	58	....	.508	.479	.....	1.62	.84	6.8	5.4	....	5.6
May	28.835	29.260	28.430	69.5	83.4	....	89.1	68.3	78.7	100	52	61	58	....	74	44	....	.548	.511	.....	.22	.22	4.1	2.9	....	3.3
June	28.875	29.120	28.650	74.4	85.6	....	91.4	73.2	82.3	99	65	68	67	....	80	56	....	.680	.663	.....	1.51	1.24	6.4	5.0	....	5.2
July	28.963	29.150	28.790	75.4	88.6	....	94.3	74.0	84.2	100	63	68	65	....	79	47	....	.691	.611	.....	2.52	2.02	4.3	3.8	....	3.9
August	28.961	29.100	28.750	75.5	88.7	....	94.7	75.2	85.0	98	72	68	65	....	78	47	....	.688	.624	.....	.49	.44	3.1	2.9	....	3.2
September	28.962	29.130	28.740	72.3	83.5	....	87.8	71.5	79.6	97	61	69	66	....	90	57	....	.710	.653	.....	2.27	.64	8.0	6.3	....	3.7
October	29.018	29.400	28.550	60.4	71.5	....	76.1	58.5	67.3	88	46	57	57	....	90	63	....	.488	.478	.....	4.49	2.12	6.4	5.5	....	6.2
November	29.105	29.400	28.760	50.1	61.5	....	65.3	50.3	57.8	77	35	48	50	....	90	68	....	.342	.373	.....	4.13	2.06	6.4	6.1	....	6.1
December	29.077	29.600	28.650	48.1	54.2	....	59.1	45.4	52.2	79	26	46	45	....	92	74	....	.325	.315	.....	.94	.32	6.4	6.6	....	6.7
Year	28.997	29.620	28.430	61.1	72.6	....	78.0	59.6	68.8	100	24	56	54	....	83	57	....	.487	.463	.....	23.10	2.12	5.7	5.1	....	5.0

DENVER, COLO.

[ϕ=39° 45′ N.; λ=105° 00′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	24.649	25.080	24.260	34.1	44.0	42.7	49.1	26.7	37.9	67	17	20	16	14	59	34	33	0.106	0.088	0.081	0.13	0.12	3.0	3.1	2.6	3.2
February	24.756	25.120	24.170	29.7	34.0	32.5	39.5	16.8	28.2	64	−8	14	16	17	76	50	55	.085	.087	.095	1.09	.42	3.6	4.4	4.6	4.5
March	24.648	25.040	24.160	28.0	39.6	37.9	45.2	22.6	33.9	68	0	19	18	18	71	47	49	.104	.097	.101	2.17	.70	4.0	5.5	4.4	4.6
April	24.599	24.880	24.170	38.0	53.8	54.1	57.9	35.3	46.6	76	27	27	22	22	64	33	35	.144	.119	.125	.60	.59	4.7	4.9	5.1	5.0
May	24.656	25.190	24.317	47.9	62.1	61.3	67.0	45.2	56.1	86	29	39	36	35	72	42	44	.241	.218	.213	1.83	.68	4.5	5.4	6.2	5.1
June	24.683	24.970	24.390	56.3	72.9	71.4	77.0	53.9	65.4	94	48	45	41	43	67	38	42	.300	.274	.291	3.55	2.21	3.2	3.8	5.7	4.0
July	24.820	25.050	24.620	63.5	79.1	77.6	83.7	61.4	72.6	93	55	53	52	52	69	41	44	.402	.400	.395	2.74	1.47	4.0	4.3	7.6	4.8
August	24.836	25.020	24.684	59.1	74.9	71.7	78.8	58.0	68.4	87	53	52	50	52	78	44	52	.392	.309	.392	3.87	.79	4.1	5.6	7.1	5.5
September	24.793	25.000	24.510	50.9	67.7	66.9	72.0	49.3	60.6	86	40	40	37	43	69	37	47	.253	.230	.287	.75	.42	3.5	3.3	5.6	4.2
October	24.789	25.110	24.250	38.0	48.5	47.5	53.1	35.5	44.3	77	21	32	32	36	80	59	68	.189	.189	.220	3.50	1.38	5.7	5.6	6.4	6.0
November	24.789	25.170	24.330	33.8	49.4	46.9	53.1	30.4	41.8	70	17	25	25	25	70	42	44	.130	.135	.134	.24	.16	3.3	3.8	2.7	3.5
December	24.700	25.260	24.110	26.1	37.2	33.6	41.8	19.2	30.5	66	−13	18	19	20	71	51	60	.098	.102	.112	.95	.48	3.8	4.4	4.1	4.4
Year	24.726	25.260	24.110	41.4	55.3	53.7	59.8	37.9	48.0	94	−13	32	30	31	70	43	48	.204	.192	.204	21.42	2.21	4.0	4.5	5.2	4.6

DES MOINES, IOWA

[ϕ=41° 35′ N.; λ=93° 37′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.114	29.700	28.590	25.4	31.9	32.7	37.0	21.6	29.3	55	2	24	23	24	82	70	71	0.113	0.123	0.131	0.88	0.44	5.3	6.6	5.6	5.8
February	29.294	29.980	28.640	17.6	24.9	26.1	32.1	12.6	22.4	55	−8	12	13	15	76	59	60	.085	.085	.089	.36	.27	3.4	4.5	3.5	4.8
March	29.104	29.700	28.310	26.0	33.7	34.6	41.4	21.6	31.5	75	−10	20	20	24	75	60	65	.111	.114	.130	4.34	1.16	5.4	6.2	5.6	5.8
April	29.021	29.430	28.360	43.4	55.3	54.7	60.8	39.7	50.2	80	24	37	40	40	79	59	61	.228	.262	.261	1.76	.57	4.4	5.3	5.2	5.2
May	29.014	29.370	28.490	54.5	66.4	66.1	70.3	51.1	60.7	85	32	46	46	45	74	49	50	.331	.332	.328	4.78	3.16	5.7	5.6	5.4	5.8
June	29.023	29.360	28.650	66.5	76.6	75.9	80.4	63.5	72.0	96	50	62	62	63	85	62	66	.565	.571	.587	4.95	1.23	5.6	6.3	5.0	6.1
July	29.060	29.300	28.880	71.2	84.7	84.4	88.8	67.6	78.2	98	57	64	62	64	78	48	52	.607	.561	.604	.78	.56	4.4	6.1	4.6	5.0
August	29.077	29.360	28.770	65.2	76.4	76.0	80.9	62.0	71.4	95	48	62	63	64	88	66	68	.559	.592	.608	5.34	1.84	6.2	5.3	4.3	5.6
September	29.110	29.430	28.680	58.6	70.0	68.3	74.4	55.9	65.2	87	39	55	59	60	89	71	76	.455	.518	.534	5.17	1.61	6.6	6.0	4.6	5.9
October	29.252	29.590	28.630	42.5	55.7	53.3	59.9	40.2	50.0	77	19	38	40	40	86	56	62	.250	.263	.268	1.10	.38	4.1	4.6	3.8	4.5
November	29.162	29.450	28.680	36.0	48.4	45.2	51.0	32.4	42.2	67	22	32	38	36	85	69	74	.184	.237	.222	.55	.33	5.0	4.7	3.6	4.7
December	29.124	29.730	28.370	31.2	40.2	37.9	44.4	27.3	35.8	59	−5	26	28	28	82	62	67	.147	.155	.156	.61	.49	5.5	5.5	4.6	5.6
Year	29.115	29.980	28.310	44.8	55.4	54.6	60.2	41.3	50.7	98	−10	40	41	42	82	61	64	.303	.318	.326	30.62	3.16	5.1	5.6	4.6	5.5

DETROIT, MICH.

[ϕ=42° 20′ N.; λ=83° 03′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.247	29.930	28.700	26.1	29.0	28.3	32.9	21.0	27.0	45	1	22	24	24	81	79	80	0.118	0.128	0.127	1.94	0.45	8.2	8.6	7.9	8.1
February	29.336	29.730	28.810	18.0	23.2	23.3	28.5	14.7	21.6	44	0	14	18	18	81	77	79	.085	.101	.108	1.39	.43	6.1	7.0	7.5	6.6
March	29.198	29.710	28.330	27.5	33.9	31.6	40.9	22.3	31.6	58	6	22	24	25	79	67	74	.129	.139	.139	2.78	.90	6.1	6.5	5.2	6.3
April	29.173	29.783	28.580	39.5	50.4	48.1	54.9	35.4	45.2	77	14	32	39	38	73	67	68	.185	.253	.242	2.11	.60	5.7	6.1	5.2	5.8
May	29.175	29.590	28.520	52.2	61.6	57.6	66.2	45.2	55.7	79	29	44	49	49	76	66	74	.304	.363	.358	5.08	1.56	3.3	3.7	4.4	3.9
June	29.179	29.446	28.760	68.2	77.2	74.2	80.7	61.9	71.3	95	48	59	62	61	74	62	64	.520	.584	.551	2.54	.88	3.9	4.7	4.6	4.4
July	29.244	29.490	28.970	69.1	78.1	74.8	81.1	64.2	72.6	93	59	60	61	62	78	57	67	.532	.547	.566	4.14	1.70	4.0	4.5	5.2	4.4
August	29.211	29.400	28.880	64.6	74.6	71.3	78.7	59.8	69.2	90	45	57	55	57	77	51	62	.482	.450	.489	1.70	.99	4.5	5.3	4.1	4.9
September	29.304	29.670	28.940	59.9	68.0	65.0	71.1	56.8	64.0	85	40	55	55	57	85	65	76	.454	.461	.487	1.90	.42	5.2	6.8	5.1	6.3
October	29.350	29.710	28.550	47.0	55.7	52.6	59.2	44.5	51.8	78	27	40	42	42	79	62	70	.259	.273	.284	2.01	.59	5.7	5.9	4.8	5.8
November	29.265	29.670	28.740	38.1	43.4	41.6	46.0	34.8	40.4	60	26	34	37	37	86	79	84	.202	.223	.222	1.54	.51	5.7	7.0	6.5	6.9
December	29.217	29.820	28.480	34.9	39.5	38.2	43.5	31.8	37.6	55	20	32	34	35	80	82	87	.186	.201	.206	3.46	1.22	7.0	7.3	7.3	7.5
Year	29.242	29.930	28.330	45.4	52.9	50.6	57.0	41.0	49.0	95	0	39	42	42	80	68	74	.288	.310	.315	30.59	1.70	5.4	6.1	5.6	5.9

Annual meteorological summary for the year ending December 31, 1923—Continued

DEL RIO, TEX.

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

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorms	Auroras
	Miles		*Mi.*																									
January	7.3	SE.	34	N.	0	4	1	11	3	1	0	0	11	0	20	2	9	5	2	0	0	0	0	0	0	3	1	0
February	8.0	SE.	28	NW.	0	4	4	9	4	1	0	0	6	0	3	6	19	13	10	1	1	0	1	1	0	5	2	0
March	10.8	SE.	54	W.	4	3	2	5	10	0	0	1	10	0	15	5	11	6	5	0	0	0	1	0	0	2	0	0
April	10.5	SE.	50	NW.	2	2	4	7	12	0	0	0	5	0	12	4	14	8	6	0	0	0	1	0	1	0	3	0
May	9.7	SE.	34	E.	0	2	0	9	15	0	0	3	0	2	20	7	4	2	2	0	0	0	0	0	11	0	3	0
June	11.5	SE.	40	SW.	1	0	0	8	22	0	0	0	0	0	12	7	11	6	4	0	0	0	0	0	20	0	4	0
July	8.9	SE.	50	NE.	1	0	0	19	10	2	0	0	0	0	18	9	4	4	4	0	0	0	0	0	28	0	3	0
August	9.1	SE.	37	N.	0	1	0	23	6	1	0	0	0	0	19	10	2	4	3	0	0	0	0	0	31	0	1	0
September	8.7	SE.	36	E.	0	0	2	14	14	0	0	0	0	0	5	6	19	8	8	0	0	0	0	0	7	0	6	0
October	9.2	SE.	34	NW.	0	3	1	10	10	1	0	0	6	0	8	6	17	13	12	0	0	0	1	0	0	0	4	0
November	6.5	SE.	24	SE.	0	6	4	6	6	0	0	1	7	0	7	8	15	9	9	0	0	0	2	0	0	0	1	0
December	7.3	NW.	31	NW.	0	3	1	2	9	0	0	2	14	0	8	7	16	12	8	0	0	0	5	0	0	1	0	0
Year	9.0	SE.	54	W.	8	28	19	123	121	6	0	7	59	2	147	77	141	90	73	1	1	0	11	1	98	11	28	0

DENVER, COLO.

[H_b=5,292 ft.; h_t=106 ft.; h_r=98 ft.; h_a=113 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	8.0	S.	47	SW.	2	9	7	0	8	9	8	13	8	0	18	9	4	2	1	3	2	0	1	0	0	26	0	0
February	7.5	S.	32	N.	0	11	5	3	3	10	3	3	12	0	12	10	6	10	6	11	9	0	1	7	0	26	0	0
March	8.2	S.	45	NW.	1	7	10	3	7	14	3	9	9	0	15	7	9	9	8	11	9	0	0	4	0	26	0	0
April	8.4	S.	42	NW.	1	9	8	1	3	17	4	8	10	0	10	13	7	4	2	2	1	1	0	0	0	10	1	0
May	8.3	S.	40	NW.	1	12	9	5	6	13	8	1	7	1	9	14	8	11	7	1	1	1	0	0	0	1	6	0
June	7.7	S.	34	NW.	0	8	5	3	4	16	10	6	8	0	13	14	3	11	7	0	0	2	0	0	1	0	14	0
July	6.8	S.	38	NW.	0	8	1	2	11	19	7	3	11	0	7	22	2	14	8	0	0	1	1	0	2	0	14	0
August	5.7	S.	30	N.	0	6	2	7	5	16	12	8	6	0	6	19	6	16	14	0	0	0	0	0	0	0	20	0
September	6.6	S.	29	N.	0	11	1	2	1	25	3	9	8	0	13	13	4	5	3	0	0	0	0	0	0	0	3	0
October	6.6	S.	44	SE.	1	11	6	1	7	14	7	5	11	0	10	6	15	11	9	5	5	1	0	2	0	14	2	0
November	7.0	S.	42	W.	1	4	4	3	5	26	2	9	7	0	17	10	3	3	2	2	2	0	0	1	0	19	0	0
December	7.6	S.	35	W.	0	9	3	2	6	32	2	3	5	0	13	12	6	6	3	9	6	0	0	8	0	31	0	0
Year	7.4	S.	47	SW.	7	105	61	32	66	217	69	77	102	1	143	149	73	102	70	44	35	6	3	22	3	153	60	0

DES MOINES, IOWA

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	7.2	NW.	26	SW.	0	8	2	9	13	2	4	8	16	0	7	5	19	10	4	10	8	0	1	8	0	31	0	0
February	8.4	NW.	32	NW.	0	6	5	3	5	2	12	3	20	0	9	12	7	7	1	10	6	0	0	14	0	27	0	0
March	9.6	N.	32	SW.	0	13	6	5	4	7	9	6	12	0	7	15	9	9	8	12	8	0	0	8	0	28	0	0
April	8.6	SW.	42	SW.	1	5	10	7	9	7	8	5	9	0	13	5	12	8	6	3	1	0	0	0	0	5	2	0
May	8.1	E.	32	NW.	0	8	5	22	8	2	4	5	8	0	7	13	11	14	11	1	0	0	0	0	0	0	6	0
June	6.7	S.	32	NW.	0	11	2	8	9	15	8	3	4	0	7	12	11	11	9	0	0	0	0	0	6	0	7	0
July	5.1	SW.	22	SW.	0	6	3	7	4	12	19	8	3	0	11	14	6	5	3	0	0	0	0	0	13	0	4	0
August	5.3	N.	34	E.	0	13	6	11	5	5	9	6	6	1	12	5	14	14	13	0	0	0	0	0	3	0	5	0
September	5.7	SE.	28	S.	0	5	4	10	10	16	4	5	6	0	9	11	10	12	11	0	0	1	1	0	0	0	5	0
October	5.7	NW.	20	NW.	0	4	2	8	7	12	4	14	11	0	16	3	12	7	5	1	1	0	0	0	0	7	1	0
November	6.3	NW.	22	SW.	0	11	3	1	2	12	9	11	11	0	12	10	8	3	2	4	2	0	0	1	0	19	1	0
December	7.4	SW.	33	SW.	0	15	3	4	3	4	14	11	8	0	10	8	13	4	3	4	3	0	0	2	0	22	0	0
Year	7.0	SW.	42	SW.	1	105	51	95	79	96	104	85	114	1	120	113	132	104	76	45	29	1	2	33	22	139	31	0

DETROIT, MICH.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	12.1	NW.	40	SW.	1	1	7	11	4	7	3	7	22	0	2	7	22	17	12	22	12	0	1	16	0	31	0	0
February	12.6	NW.	51	W.	4	3	7	4	3	4	8	13	14	0	5	10	13	17	12	19	14	0	1	17	0	27	0	0
March	13.9	NW.	70	SW.	3	1	7	3	4	6	11	10	20	0	9	7	15	14	10	16	7	0	0	10	0	26	0	0
April	13.6	SW.	50	W.	3	8	9	4	4	5	16	5	9	0	10	5	15	9	8	5	4	0	0	0	0	14	2	0
May	11.5	NE.	42	SW.	1	4	19	12	4	4	7	7	5	0	19	3	9	9	7	2	2	0	0	0	0	2	3	0
June	9.0	SW.	38	W.	0	6	8	5	3	3	15	13	7	0	11	14	5	11	7	0	0	0	0	0	5	0	10	0
July	7.9	E.	41	N.	1	5	14	9	3	9	10	5	7	0	15	8	8	10	8	0	0	0	0	0	3	0	7	0
August	9.2	SW.	42	W.	1	6	12	3	2	8	14	10	7	0	10	16	5	10	9	0	0	0	0	0	1	0	5	0
September	8.3	SW.	31	SW.	0	10	9	6	6	8	11	4	6	0	6	14	10	13	9	0	0	0	2	0	0	0	4	0
October	10.0	N.	33	SW.	0	11	5	1	7	5	11	8	14	0	10	7	14	7	6	0	0	0	2	0	0	2	0	0
November	10.2	SW.	31	SW.	0	8	6	2	7	4	16	8	9	0	6	6	18	9	8	3	1	0	3	0	0	9	0	0
December	12.7	SW.	44	SW.	1	5	11	4	3	4	19	11	5	0	4	8	19	14	11	7	4	0	1	1	0	18	0	0
Year	10.9	SW.	70	SW.	15	68	114	64	50	67	141	101	125	0	107	105	153	140	107	74	44	0	10	44	9	129	31	0

Annual meteorological summary for the year ending December 31, 1923—Continued

DEVILS LAKE, N. DAK.

[Φ=48° 07′ N.; λ=98° 52′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	28.386	28.910	27.680	3.0	8.8	8.4	16.7	−3.7	6.0	41	−25	0	5	6	87	84	88	0.045	0.057	0.059	0.42	0.15	4.5	6.0	5.8	5.0
February	28.539	29.110	27.820	−3.2	6.3	5.1	12.0	−7.9	2.0	36	−30	−6	2	2	87	82	87	.038	.056	.056	.73	.28	5.2	5.2	4.5	5.3
March	28.432	29.120	27.500	6.7	15.9	16.2	23.4	1.3	12.4	40	−23	4	11	13	86	78	85	.055	.074	.082	.76	.23	6.6	6.3	6.3	6.7
April	28.355	28.730	27.690	30.4	43.0	42.6	47.1	27.7	37.4	77	9	26	29	32	81	62	68	.144	.166	.184	1.44	.65	4.9	5.8	5.6	5.5
May	28.372	28.868	28.030	47.8	62.5	60.0	67.0	42.0	54.5	86	24	38	38	39	66	41	49	.248	.251	.264	2.04	.56	3.6	4.2	4.5	4.5
June	28.324	28.670	27.840	60.8	74.3	73.6	79.0	55.1	67.0	90	38	54	54	54	79	51	52	.427	.435	.428	1.46	.42	4.6	5.0	3.5	4.5
July	28.404	28.600	27.970	65.4	79.5	77.6	84.5	59.0	71.8	97	46	60	60	60	82	51	56	.524	.525	.527	2.07	.66	3.1	4.8	3.5	4.0
August	28.441	28.721	28.163	52.8	70.2	68.7	74.7	49.3	62.0	90	36	49	50	51	86	51	56	.351	.373	.388	2.25	.64	3.0	5.0	3.9	4.5
September	28.389	28.740	27.860	49.3	65.4	63.6	70.2	46.3	58.2	90	25	45	45	47	85	54	58	.309	.317	.334	1.63	.60	5.1	5.1	4.4	5.1
October	28.507	28.945	27.750	34.7	49.9	45.2	53.3	32.2	42.8	72	10	30	33	33	82	50	64	.181	.202	.206	1.25	.49	5.0	4.5	3.8	4.7
November	28.374	28.754	27.860	29.3	40.7	36.4	44.9	26.4	35.6	61	9	25	29	28	81	65	72	.135	.162	.155	.47	.26	5.3	5.2	4.8	5.4
December	28.362	28.870	27.480	15.7	25.2	22.0	29.6	11.1	20.4	51	−27	12	17	15	83	76	74	.079	.100	.097	.23	.12	3.5	5.3	2.5	5.0
Year	28.407	29.120	27.480	32.7	45.1	43.3	50.1	28.2	39.2	97	−30	28	31	32	82	62	67	.211	.226	.232	14.75	.66	4.5	5.2	4.4	5.1

DODGE CITY, KANS.

[Φ=37° 45′ N.; λ=100° 00′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	27.420	27.910	26.938	27.2	47.8	42.8	54.0	24.1	39.0	73	15	19	20	22	72	37	45	0.103	0.109	0.118	0.03	0.03	3.7	3.9	4.1	3.8
February	27.569	28.140	26.880	22.9	38.3	37.0	45.1	18.8	32.0	61	−2	15	18	17	71	44	44	.097	.105	.100	.02	.02	4.3	4.3	4.4	4.1
March	27.400	27.850	26.740	29.0	48.6	45.9	55.2	24.8	40.0	78	2	21	23	21	72	41	41	.116	.129	.111	.71	.30	3.8	4.9	4.7	4.3
April	27.330	27.650	26.820	43.0	61.7	61.8	67.3	40.9	54.1	83	25	38	38	36	81	45	42	.238	.247	.215	2.13	1.06	5.2	4.9	4.4	4.8
May	27.324	27.778	26.850	52.7	67.1	66.2	72.1	49.6	60.8	89	32	48	49	48	85	56	55	.354	.361	.350	7.74	1.70	5.1	4.6	5.3	4.4
June	27.345	27.650	27.169	64.4	77.4	77.7	81.9	61.6	71.8	93	50	60	62	62	85	60	61	.516	.555	.569	2.96	1.18	4.8	4.3	4.1	4.1
July	27.431	27.610	27.172	68.9	87.4	86.0	91.3	67.3	79.3	102	60	63	61	60	82	44	44	.578	.551	.530	1.95	.76	4.1	2.8	2.8	2.6
August	27.416	27.673	27.236	66.6	86.6	83.9	90.9	64.9	77.9	100	50	58	61	58	74	41	42	.484	.495	.480	1.46	.51	2.7	3.3	3.6	3.4
September	27.431	27.650	27.174	58.8	78.5	73.0	81.8	57.5	69.6	92	47	55	54	54	87	47	56	.436	.429	.431	2.50	.59	3.7	3.0	3.9	3.2
October	27.540	27.891	27.050	44.8	56.0	51.4	59.5	42.5	51.0	75	24	43	44	45	92	66	79	.292	.310	.317	3.82	1.08	5.3	3.5	6.0	6.8
November	27.503	27.860	27.140	34.5	53.8	46.8	57.6	32.9	45.2	70	23	31	33	34	86	48	53	.173	.188	.202	.53	.23	3.7	3.9	3.4	3.6
December	27.460	28.020	26.770	26.7	41.0	35.3	45.0	24.0	34.5	73	−4	24	26	26	8	58	70	.129	.141	.144	.48	.26	4.4	5.0	4.5	4.8
Year	27.431	28.140	26.740	45.0	62.0	59.0	66.8	42.4	54.6	102	−4	40	41	40	81	49	54	.293	.302	.297	24.34	1.70	4.2	4.0	4.3	4.2

DREXEL, NEBR.

[Φ=41° 20′ N.; λ=96° 16′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	28.606	29.190	28.060	25.1	33.6	----	39.0	20.1	29.6	53	7	22	25	----	87	72	----	0.116	0.132	----	0.90	0.40	5.9	6.9	----	6.9
February	28.809	29.450	28.110	15.9	27.2	----	34.6	11.9	23.2	53	−11	13	17	----	86	64	----	.086	.100	----	.09	.05	5.4	4.0	----	5.1
March	28.612	29.160	27.910	23.9	34.3	----	41.3	20.2	30.8	75	−9	21	25	----	87	70	----	.116	.140	----	4.70	2.06	5.2	6.2	----	6.1
April	28.533	28.910	27.850	41.1	55.3	----	60.8	37.8	49.3	81	18	36	40	----	82	60	----	.217	.260	----	3.25	1.81	5.2	5.1	----	5.1
May	28.528	28.962	28.040	52.9	64.9	----	68.7	48.6	58.6	82	29	47	50	----	81	60	----	.342	.379	----	3.33	.99	7.0	6.7	----	6.5
June	28.528	28.860	28.170	65.2	75.1	----	78.7	61.6	70.2	93	45	62	64	----	90	70	----	.568	.611	----	6.07	2.03	7.0	7.3	----	7.1
July	28.606	28.800	28.350	70.8	84.3	----	87.6	66.7	77.2	96	54	65	66	----	84	56	----	.631	.651	----	1.29	.79	5.6	5.5	----	5.4
August	28.602	28.920	28.410	64.9	76.8	----	81.4	60.5	71.0	95	43	62	66	----	90	70	----	.557	.638	----	5.34	1.30	5.7	5.0	----	5.0
September	28.607	28.940	28.270	57.6	72.2	----	75.9	55.3	65.6	91	38	55	58	----	91	62	----	.442	.491	----	8.24	5.31	5.5	5.1	----	5.2
October	28.758	29.080	28.167	41.3	55.6	----	58.8	39.3	49.0	76	16	37	41	----	85	60	----	.237	.277	----	.53	.24	5.4	4.8	----	5.0
November	28.673	28.970	28.230	32.9	48.3	----	51.8	30.4	41.1	64	17	30	35	----	87	61	----	.167	.212	----	.30	.28	3.2	5.8	----	4.5
December	28.631	29.240	27.870	26.7	38.0	----	42.2	22.9	32.6	57	−10	24	26	----	87	65	----	.130	.149	----	.55	.31	5.8	6.2	----	5.6
Year	28.624	29.450	27.860	43.2	55.5	----	60.1	39.6	49.8	96	−11	40	43	----	86	64	----	.301	.337	----	34.59	5.31	5.6	5.7	----	5.6

DUBUQUE, IOWA

[Φ=42° 30′ N.; λ=90° 44′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.304	29.900	28.780	22.7	28.6	28.3	32.7	19.0	25.8	46	11	19	21	22	84	72	73	0.103	0.114	0.116	0.63	0.29	6.9	5.9	6.5	6.7
February	29.448	30.059	28.890	14.8	21.6	21.2	26.8	9.8	18.3	49	−16	10	12	12	81	65	64	.078	.084	.086	.46	.21	6.1	6.7	5.4	5.7
March	29.277	29.910	28.370	23.4	30.5	29.9	36.4	18.7	27.6	66	−7	18	20	20	78	64	65	.103	.115	.114	2.93	.93	4.7	6.2	6.4	6.4
April	29.217	29.700	28.560	40.9	52.2	50.6	57.1	37.0	47.0	80	20	32	33	33	73	50	53	.191	.195	.190	1.42	.48	6.0	5.5	5.8	6.1
May	29.209	29.590	28.741	52.8	65.9	65.6	70.4	49.5	60.0	85	32	40	40	40	63	42	42	.258	.263	.269	1.86	.66	7.0	5.7	6.2	6.3
June	29.214	29.570	28.760	66.8	78.4	77.4	82.3	63.1	72.7	97	48	60	59	61	78	52	58	.528	.519	.550	3.66	.91	4.8	5.5	5.1	5.3
July	29.273	29.520	29.010	69.4	82.7	82.5	87.4	66.1	76.8	96	55	62	61	62	79	50	53	.570	.543	.573	1.67	.84	4.9	4.9	5.7	5.4
August	29.265	29.530	28.970	63.2	75.4	73.7	79.1	60.2	69.6	94	45	57	58	59	82	57	63	.483	.504	.522	4.77	.99	6.0	5.6	5.0	6.1
September	29.327	29.619	28.859	56.9	67.5	65.0	71.3	54.2	62.8	86	35	53	55	56	88	66	73	.421	.454	.466	5.04	2.09	5.5	3.5	5.1	5.6
October	29.435	29.740	28.830	40.7	55.0	51.2	57.9	38.8	48.4	75	21	37	38	38	87	54	63	.234	.241	.245	1.07	.58	4.4	5.5	4.0	5.7
November	29.334	29.640	28.800	34.4	44.8	42.3	47.9	32.0	40.0	65	18	30	31	31	82	59	63	.166	.174	.173	1.19	.99	5.7	3.4	4.8	6.7
December	29.297	29.860	28.540	31.3	38.1	35.2	41.2	27.6	34.4	54	−7	27	28	27	82	68	72	.147	.157	.155	.92	.40	5.6	6.4	5.2	6.6
Year	29.300	30.059	28.370	43.1	53.4	51.9	57.5	39.7	48.6	97	−16	37	38	38	80	58	62	.274	.280	.287	25.62	2.09	5.6	5.4	5.4	6.2

Annual meteorological summary for the year ending December 31, 1923—Continued

DEVILS LAKE, N. DAK.

[H_b=1,478 ft.; h_t=11 ft.; h_r=4 ft.; h_a=44 ft.]

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorms	Auroras
	Miles		*Mi.*																									
January	9.4	SE.	50	NW.	2	2	7	3	12	8	4	13	13	0	9	10	12	7	4	11	7	0	2	30	0	31	0	0
February	13.3	NW.	46	NW.	3	2	3	2	4	4	11	12	18	0	11	7	10	10	7	16	10	0	0	24	0	28	0	1
March	12.3	NW.	44	NE.	2	10	4	5	8	9	3	5	18	0	5	8	18	12	6	21	12	0	0	23	0	31	0	0
April	9.9	N.	26	NE.	0	12	8	8	8	3	10	3	8	0	9	8	13	9	7	6	5	0	0	5	0	18	2	0
May	10.1	S.	39	NE.	0	10	7	2	9	15	7	3	9	0	13	11	7	10	7	1	0	0	0	0	0	7	3	0
June	8.9	SE.	42	NE.	1	5	7	9	12	10	8	4	4	1	15	9	6	8	6	0	0	0	1	0	1	0	9	2
July	7.3	SE.	37	NE.	0	7	7	5	13	10	4	7	9	0	18	8	5	9	9	0	0	0	1	0	5	0	9	1
August	7.7	W.	32	NW.	0	11	4	4	7	9	10	12	5	0	13	11	7	16	12	0	0	1	0	0	1	0	11	0
September	9.9	S.	35	SW.	0	5	10	4	7	14	3	4	13	0	13	5	12	8	6	0	0	0	0	0	0	2	4	0
October	9.4	NW.	35	N.	0	6	5	5	10	7	9	7	13	0	13	8	10	7	6	5	2	0	0	1	0	15	2	1
November	9.2	SW.	32	NW.	0	4	2	5	7	5	15	11	11	0	12	6	12	6	4	5	3	0	1	3	0	24	0	0
December	9.9	W.	44	NW.	1	6	4	1	3	10	15	19	4	0	13	8	10	6	2	6	5	0	0	10	0	31	0	0
Year	9.8	NW.	50	NW.	9	80	68	53	100	104	99	100	125	1	144	99	122	103	76	71	44	1	5	96	7	187	40	5

DODGE CITY, KANS.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	9.1	NW.	38	NW.	0	4	5	4	11	5	8	7	18	0	15	13	3	1	0	2	1	0	1	0	0	24	0	0
February	9.9	NE.	36	S.	0	4	15	4	8	5	8	3	9	0	12	11	5	2	0	5	1	0	1	1	0	23	0	0
March	12.9	NW.	49	NE.	1	11	7	2	6	6	13	4	13	0	14	8	9	8	5	7	6	0	0	2	0	25	0	0
April	13.0	SE.	45	S.	2	6	10	3	12	12	4	6	7	0	11	13	6	8	6	0	0	0	1	0	0	5	3	0
May	11.6	SE.	36	SW.	0	4	9	8	17	4	4	3	13	0	14	10	7	13	10	0	0	4	0	0	0	1	9	0
June	11.3	SE.	45	NE.	1	6	8	3	17	20	2	2	2	0	15	10	5	14	11	0	0	1	1	0	4	0	14	0
July	8.5	S.	35	SW.	0	6	0	5	16	19	6	1	9	0	19	11	1	9	7	0	0	0	0	0	17	0	10	0
August	8.1	S.	29	S.	0	13	4	5	9	13	12	2	3	1	18	10	3	13	10	0	0	0	0	0	19	0	13	0
September	9.0	SE.	30	SE.	0	9	7	0	23	7	6	4	4	0	19	6	5	12	11	0	0	0	0	0	4	0	11	0
October	9.0	SE.	34	S.	0	5	10	2	23	9	2	0	10	1	7	6	18	14	9	3	0	0	3	0	0	5	3	0
November	7.6	NW.	28	S.	0	5	6	3	6	7	6	7	20	0	17	6	7	3	3	1	0	0	0	0	0	16	0	0
December	9.4	NW.	30	SW.	0	10	4	0	2	6	13	4	23	0	14	4	13	5	3	7	4	0	0	3	0	29	0	0
Year	10.0	SE.	49	NE.	4	83	85	39	150	113	84	43	131	2	175	108	82	102	75	25	12	5	7	6	44	123	63	0

DREXEL, NEBR.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	10.3	NW.	30	SW.	0	2	3	1	7	0	4	3	11	0	6	9	16	5	4	9	4	0	0	7	0	31	0	0
February	11.3	N.	36	SW.	0	6	1	3	1	3	4	2	8	0	10	11	7	4	1	5	2	0	3	12	0	26	0	0
March	13.4	N.	37	S.	0	7	5	1	2	5	6	2	3	0	6	15	10	8	8	11	8	0	0	7	0	29	0	0
April	13.4	NW.	48	S.	6	3	6	1	5	3	4	0	7	1	12	7	11	10	7	3	0	0	0	0	0	9	6	0
May	11.0	E.	42	SE.	1	3	3	9	5	3	2	0	6	0	6	10	15	14	10	0	0	0	1	0	0	1	7	0
June	9.8	S.	36	NW.	0	1	5	5	5	8	3	2	1	0	3	12	15	14	13	0	0	3	1	0	2	0	12	0
July	7.6	S.	32	NE.	0	1	6	2	6	9	5	0	2	0	6	17	8	7	6	0	0	1	3	0	10	0	13	0
August	7.3	NE.	30	NW.	0	1	10	5	2	4	4	3	2	0	12	9	10	15	11	0	0	0	2	0	1	0	16	0
September	8.4	SE.	34	E.	0	2	4	3	8	6	1	3	3	0	8	16	6	11	10	0	0	2	1	0	1	0	9	0
October	8.0	SE.	23	SW.	0	3	3	1	7	3	3	2	9	0	11	11	9	5	4	1	1	0	1	1	0	9	0	0
November	9.3	S.	28	NW.	0	3	2	1	2	6	7	1	8	0	14	8	8	3	2	2	0	0	0	1	0	18	0	0
December	11.0	SW.	39	SW.	0	4	2	1	3	2	9	4	6	0	8	12	11	7	2	4	3	0	0	3	0	26	0	0
Year	10.0	NW.	48	S.	7	36	50	33	53	52	52	22	66	1	102	137	126	103	78	35	18	6	12	31	14	149	63	0

DUBUQUE, IOWA

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	6.9	NW.	28	NW.	0	2	9	4	12	8	1	1	25	0	8	6	17	10	7	9	5	0	2	13	0	29	0	0
February	8.0	NW.	30	NW.	0	7	2	2	7	5	7	1	24	1	5	10	13	4	2	13	4	0	0	21	0	28	0	0
March	8.8	NW.	28	N.	0	9	2	2	7	18	3	0	21	0	9	5	17	11	9	13	8	0	0	10	0	29	0	0
April	6.8	S.	24	NW.	0	9	9	5	4	12	4	1	16	0	8	10	12	9	8	4	2	0	1	0	0	10	2	0
May	6.8	SE.	37	NW.	0	10	7	10	14	10	2	0	9	0	6	14	11	7	6	1	1	0	0	0	0	1	3	0
June	5.3	S.	34	NW.	0	3	5	1	12	20	6	1	12	0	11	9	10	14	12	0	0	1	1	0	7	0	9	0
July	4.3	S.	19	N.	0	7	10	3	10	15	10	2	5	0	7	18	6	7	5	0	0	0	1	0	9	0	3	0
August	4.5	NW.	29	SW.	0	9	9	4	8	8	6	3	14	1	9	10	12	12	10	0	0	0	3	0	1	0	8	0
September	4.5	S.	19	SE.	0	7	8	2	4	13	10	2	13	1	6	10	14	10	10	0	0	0	7	0	0	0	5	0
October	4.5	NW.	22	N.	0	9	3	0	6	16	6	5	14	3	12	7	12	9	6	2	2	0	6	0	0	8	0	0
November	5.9	NW.	23	NW.	0	9	2	0	6	17	9	3	14	0	6	11	13	8	5	6	4	0	5	2	0	17	0	0
December	6.6	S.	23	NW.	0	12	5	2	7	15	11	0	10	0	9	7	15	9	5	6	3	0	4	3	0	22	0	0
Year	6.1	NW.	37	NW.	0	93	71	35	97	157	75	19	177	6	96	117	152	110	86	54	29	1	30	49	17	144	30	0

Annual meteorological summary for the year ending December 31, 1928—Continued

DUE WEST, S. C.

[Φ=34° 21′ N.; λ=82° 22′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.379	29.780	28.980	39.6	52.0	----	56.8	37.3	47.0	71	29	34	37	----	82	59	----	0.206	0.227	----	3.12	1.94	5.0	5.4	----	5.3
February	29.424	29.730	29.090	37.0	47.9	----	52.9	34.5	43.7	75	17	31	34	----	80	62	----	.200	.225	----	5.74	2.82	5.5	5.8	----	5.7
March	29.341	29.717	28.620	47.7	59.3	----	64.1	44.0	54.0	80	24	40	41	----	75	53	----	.269	.282	----	6.34	2.28	5.4	5.6	----	5.5
April	29.283	29.820	28.823	54.1	65.4	----	70.7	49.4	60.0	89	28	46	46	----	75	54	----	.333	.344	----	4.95	1.23	5.6	5.0	----	5.3
May	29.201	29.450	28.910	62.0	71.1	----	75.3	57.2	66.2	84	37	56	57	----	83	64	----	.478	.492	----	7.77	1.62	7.1	7.2	----	7.1
June	29.270	29.490	28.900	71.4	82.2	----	86.2	66.3	76.2	94	59	64	63	----	79	54	----	.616	.586	----	6.48	4.76	5.2	5.0	----	5.6
July	29.281	29.541	28.987	73.5	84.6	----	88.4	68.3	78.4	96	62	67	65	----	80	54	----	.659	.628	----	3.15	1.61	5.7	5.8	----	6.0
August	29.282	29.410	29.120	73.1	83.6	----	87.7	68.5	78.1	96	58	70	69	----	89	63	----	.724	.716	----	3.15	1.00	6.9	6.5	----	6.5
September	29.342	29.700	29.107	68.6	80.8	----	84.2	64.4	74.3	92	55	64	63	----	85	57	----	.601	.596	----	1.54	.80	4.8	5.8	----	5.4
October	29.358	29.650	28.870	54.8	69.2	----	72.7	51.7	62.2	83	36	49	49	----	81	51	----	.356	.365	----	.44	.38	4.4	4.2	----	4.2
November	29.348	29.730	29.040	42.2	56.2	----	59.1	39.5	49.3	70	28	38	38	----	84	52	----	.234	.248	----	3.46	1.82	5.2	4.5	----	4.8
December	29.381	29.980	28.750	45.3	55.6	----	59.0	41.8	50.4	72	27	42	45	----	89	69	----	.288	.322	----	5.14	2.08	6.0	6.7	----	7.4
Year	29.324	29.980	28.620	55.8	67.3	----	71.4	51.9	61.6	96	17	50	51	----	82	58	----	.414	.419	----	51.28	4.76	5.6	5.6	----	5.7

DULUTH, MINN.

[Φ=46° 47′ N.; λ=92° 06′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	28.784	29.310	28.060	10.0	14.6	14.7	20.9	5.0	13.0	39	−17	9	12	13	94	87	91	0.066	0.074	0.079	1.60	0.60	6.0	5.0	6.4	6.0
February	28.871	29.380	28.240	0.4	9.2	8.0	15.3	−4.6	5.4	37	−33	−1	4	5	95	78	86	.047	.056	.059	.92	.72	4.7	3.9	4.0	4.2
March	28.766	29.350	28.170	8.3	17.8	16.5	22.7	4.3	13.5	48	−15	6	11	10	91	73	76	.064	.076	.074	1.28	.29	4.8	6.0	5.0	5.8
April	28.731	29.190	28.180	32.7	40.8	39.4	46.0	29.0	37.5	79	11	26	28	28	79	62	65	.152	.161	.159	1.11	.59	5.2	5.0	4.8	5.0
May	28.758	29.152	28.443	45.4	52.1	52.4	59.0	38.8	48.9	78	26	36	38	36	73	62	58	.221	.238	.220	1.81	.59	2.6	3.3	3.7	3.6
June	28.734	29.077	28.263	58.6	66.4	63.9	71.3	50.2	60.8	85	41	52	55	54	80	70	73	.401	.448	.425	3.89	1.75	2.5	4.6	4.7	4.7
July	28.802	29.040	28.530	62.4	68.3	66.1	73.4	55.9	64.6	89	49	57	59	58	85	74	78	.476	.502	.491	5.40	1.30	3.0	3.7	3.5	4.9
August	28.785	29.027	28.400	57.1	66.8	62.7	70.5	50.1	60.3	84	38	52	54	53	82	64	72	.386	.423	.409	1.76	.49	3.8	5.5	3.5	4.6
September	28.825	29.110	28.500	51.6	59.9	56.8	64.5	48.3	56.4	81	30	47	49	47	86	69	72	.335	.355	.338	2.61	1.39	5.8	5.3	4.1	4.9
October	28.898	29.198	28.280	38.2	50.1	45.3	53.4	35.5	44.4	75	15	33	35	34	82	59	67	.202	.217	.208	.46	.34	4.0	5.8	4.1	5.5
November	28.757	29.060	28.170	31.6	40.0	35.4	43.6	28.1	35.8	60	16	28	31	28	87	70	76	.156	.173	.157	.63	.27	5.9	5.0	4.1	5.8
December	28.731	29.210	27.950	21.0	28.1	24.9	31.3	16.7	24.0	51	−19	18	20	20	87	72	81	.105	.119	.116	.82	.52	4.2	4.7	4.7	4.8
Year	28.787	29.380	27.950	34.8	42.8	40.5	47.7	29.8	38.7	89	−33	30	33	32	85	70	75	.218	.237	.228	22.29	1.75	4.4	4.8	4.4	5.0

EASTPORT, ME.

[Φ=44° 54′ N.; λ=66° 59′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.889	30.700	29.120	15.5	19.2	18.7	24.9	9.5	17.2	46	−6	11	12	13	76	73	77	0.079	0.084	0.087	4.95	1.03	6.2	6.7	5.3	6.3
February	29.927	30.472	29.320	10.2	15.1	15.9	21.5	5.9	13.7	35	−9	2	6	9	68	65	73	.052	.059	.070	2.36	.95	6.7	5.8	4.1	5.8
March	29.833	30.570	28.520	19.5	23.6	24.5	30.3	13.3	22.3	56	−7	13	16	18	73	71	76	.084	.095	.108	3.88	.72	6.6	6.6	5.2	6.5
April	29.822	30.488	29.260	35.4	39.4	36.5	43.3	29.4	36.4	62	6	29	32	31	76	75	81	.168	.190	.181	4.17	1.71	6.8	5.2	6.2	6.9
May	29.844	30.221	29.470	45.6	50.6	45.8	55.1	38.4	46.8	77	32	39	43	40	80	77	82	.243	.284	.249	1.52	.62	5.6	6.1	4.5	6.8
June	29.705	30.080	29.020	54.8	60.4	54.4	65.7	46.5	56.1	84	41	47	51	48	78	74	80	.338	.393	.340	2.74	.82	6.6	6.3	6.0	7.0
July	29.889	30.351	29.520	57.3	62.9	58.1	67.5	50.1	58.8	84	46	51	54	52	81	75	81	.375	.424	.383	2.69	1.11	6.3	6.1	6.4	6.6
August	29.859	30.190	29.210	55.4	61.8	55.7	65.9	49.3	57.6	76	45	51	54	51	84	78	85	.372	.420	.374	2.47	.65	5.2	5.3	3.2	6.2
September	30.021	30.320	29.520	52.4	58.4	53.9	61.9	47.9	54.9	73	40	48	51	49	86	78	84	.338	.381	.347	1.86	.68	5.5	5.7	3.0	6.1
October	29.978	30.370	29.250	46.7	52.0	49.0	55.1	42.5	48.8	65	35	41	45	43	82	77	81	.268	.302	.283	2.35	.99	4.5	5.5	3.9	6.5
November	29.969	30.500	29.200	38.6	42.2	40.9	45.9	34.9	40.4	56	15	33	35	35	81	76	79	.198	.212	.213	2.27	1.01	6.6	6.8	5.4	6.9
December	29.889	30.672	29.040	31.5	35.1	33.1	38.5	25.9	32.2	55	6	26	29	28	80	78	80	.158	.175	.165	3.18	1.62	7.1	7.9	7.0	7.8
Year	29.885	30.700	28.520	38.6	43.4	40.5	48.0	32.9	40.4	84	−9	33	36	35	79	75	80	.223	.252	.233	33.94	1.71	6.1	6.2	5.0	6.6

ELKINS, W. VA.

[Φ=38° 53′ N.; λ=79° 49′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	27.984	28.500	27.540	31.4	36.0	34.4	43.1	24.8	34.0	59	6	26	28	28	80	73	78	0.146	0.158	0.163	5.10	1.60	9.3	8.5	8.9	8.6
February	28.039	28.330	27.630	25.3	29.9	29.4	37.1	21.4	29.2	65	−7	21	23	25	84	75	82	.129	.141	.148	3.73	.89	9.2	7.9	7.0	8.0
March	27.972	28.400	27.150	34.6	44.5	40.7	52.6	26.4	39.5	74	10	29	30	30	80	60	69	.173	.189	.181	3.82	.77	6.5	5.9	5.3	6.1
April	27.941	28.473	27.490	41.2	55.2	51.9	61.1	35.0	48.0	79	5	33	31	34	72	43	55	.196	.185	.209	3.20	1.29	5.5	5.9	6.1	5.9
May	27.916	28.185	27.540	52.3	66.2	61.9	71.8	43.8	57.8	85	28	44	44	46	76	48	59	.303	.298	.322	1.96	.49	5.5	5.8	7.8	6.1
June	27.989	28.180	27.530	60.8	73.8	68.6	78.6	55.9	67.2	93	41	57	58	60	89	60	76	.478	.486	.536	6.94	1.96	6.4	5.5	7.5	6.0
July	28.032	28.300	27.750	62.6	75.6	70.0	80.6	57.3	69.0	86	47	59	58	62	90	59	76	.509	.499	.561	3.73	1.37	6.4	5.8	6.0	5.9
August	28.017	28.220	27.790	62.3	74.8	68.2	79.5	58.3	68.9	86	43	60	60	63	92	60	83	.527	.525	.577	3.08	.69	7.0	5.2	5.6	6.0
September	28.095	28.429	27.880	54.9	71.2	62.4	75.5	51.6	63.6	86	35	54	51	57	95	54	82	.422	.419	.475	2.33	.59	4.5	4.7	5.5	5.3
October	28.097	28.390	27.550	40.0	58.4	48.0	62.6	36.1	49.4	82	25	37	38	40	90	59	77	.227	.236	.264	.89	.36	4.1	4.6	3.5	4.9
November	28.020	28.380	27.610	34.6	45.4	40.6	51.0	30.8	40.9	64	19	31	32	34	87	62	76	.180	.188	.197	3.28	.94	7.1	6.1	5.8	6.6
December	28.003	28.600	27.230	36.8	44.5	41.6	52.4	31.0	41.7	67	7	33	35	36	86	70	81	.204	.222	.226	6.95	1.54	8.1	6.6	6.0	7.1
Year	28.009	28.600	27.150	44.7	56.3	51.5	62.2	39.4	50.8	93	−7	40	41	43	85	60	74	.291	.296	.322	44.51	1.96	6.6	6.0	6.2	6.4

Annual meteorological summary for the year ending December 31, 1923—Continued

DUE WEST, S. C.

[H_b=711 ft.; h_t=10 ft.; h_r=4 ft.; h_a=55 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	9.2	SW.	34	NW.	0	1	7	3	0	4	8	5	3	0	11	9	11	9	8	1	0	0	5	0	0	9	1	0
February	9.0	SW.	30	W.	0	1	5	3	1	2	6	6	2	2	10	6	12	10	9	1	0	0	2	0	0	14	0	0
March	9.9	SW.	42	SW.	1	1	8	4	0	4	9	4	1	0	11	6	14	10	9	0	0	0	0	0	0	3	5	0
April	8.4	SW.	42	W.	2	1	8	4	1	5	2	3	3	3	10	7	13	12	10	0	0	0	1	0	0	2	8	0
May	8.9	NE.	43	SW.	1	0	7	8	1	6	5	2	1	1	3	11	17	19	15	0	0	0	0	0	0	0	13	0
June	7.6	SW.	43	SW.	1	0	3	4	2	6	7	7	0	1	7	13	10	7	7	0	0	0	0	0	7	0	12	0
July	7.3	SW.	38	NW.	0	3	6	3	0	1	13	1	2	2	6	16	9	8	7	0	0	0	0	0	16	0	15	0
August	6.4	SW.	36	SW.	0	1	7	5	0	0	13	4	1	0	0	20	11	10	9	0	0	0	2	0	11	0	17	0
September	6.7	NE.	21	NE.	0	3	13	3	2	1	5	2	0	1	12	7	11	8	5	0	0	0	2	0	5	0	8	0
October	7.6	NE.	28	NE.	0	5	14	9	0	1	0	1	1	0	14	8	9	5	1	0	0	0	2	0	0	0	1	0
November	8.8	NE.	27	W.	0	3	8	4	0	1	4	6	4	0	13	8	9	8	6	0	0	0	1	0	0	4	0	0
December	9.4	SW.	42	W.	1	0	9	5	2	1	10	3	0	1	5	11	15	14	9	0	0	0	5	0	0	4	0	0
Year	8.3	NE.	43	SW.	6	19	95	55	9	32	82	44	18	11	102	122	141	120	95	2	0	0	20	0	39	36	80	0

DULUTH, MINN.

[H_b=1,133 ft.; h_t=5 ft.; h_r=3 ft.; h_a=47 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	13.0	NW.	70	NW.	4	4	2	6	10	2	6	14	18	0	11	6	14	12	10	21	12	0	2	29	0	31	0	0
February	15.4	W.	64	W.	7	2	6	3	1	1	8	25	9	0	14	9	5	6	4	12	6	0	0	24	0	28	0	0
March	15.8	NW.	55	NW.	11	4	12	2	1	4	7	15	17	0	9	9	13	14	8	21	14	0	0	26	0	31	0	1
April	13.2	NE.	39	NE.	0	7	18	2	2	2	8	5	16	0	10	12	8	10	6	7	5	0	1	5	0	17	0	0
May	10.7	NE.	38	NE.	0	6	34	2	2	2	2	2	11	1	18	6	7	7	7	1	1	0	4	0	0	5	1	0
June	10.6	NE.	39	NW.	0	4	28	3	0	0	8	9	7	1	14	7	9	11	9	0	0	0	9	0	0	0	7	0
July	8.8	NE.	45	NW.	1	3	28	6	1	1	11	7	5	0	13	10	8	14	12	0	0	0	11	0	0	0	10	0
August	9.9	NW.	37	NW.	0	6	17	1	2	0	4	18	14	0	12	16	3	12	7	0	0	0	2	0	0	0	4	0
September	11.2	NE.	32	NW.	0	2	23	1	3	6	5	7	13	0	10	11	9	9	5	1	0	0	7	0	0	1	2	2
October	11.8	SW.	45	NW.	1	6	10	2	2	4	13	15	10	0	10	7	14	4	3	3	0	0	3	2	0	11	0	0
November	13.7	SW.	49	NW.	2	1	5	1	4	3	12	14	20	0	11	4	15	6	4	4	2	0	3	3	0	22	0	0
December	14.6	W.	55	NW.	2	3	6	4	0	0	13	26	10	0	11	11	9	8	5	10	5	0	2	11	0	30	0	0
Year	12.4	NE.	70	NW.	28	48	189	33	29	25	97	157	150	2	143	108	114	113	80	80	45	0	44	100	0	176	24	3

EASTPORT, ME.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	17.5	NW.	58	NE.	8	6	9	1	1	4	5	13	23	0	10	6	15	16	13	16	14	0	1	24	0	30	0	0
February	12.1	W.	40	NE.	1	4	6	2	1	1	8	25	9	0	9	5	14	10	9	12	10	0	0	25	0	28	0	0
March	13.1	W.	58	NE.	3	5	6	3	2	9	5	15	17	0	9	7	15	15	12	18	14	0	5	20	0	31	0	0
April	13.3	SW.	58	SE.	2	7	5	3	2	10	13	6	14	0	7	7	16	14	11	6	4	0	2	1	0	18	1	0
May	9.4	S.	32	NE.	0	8	6	1	2	21	5	4	14	1	7	7	17	10	6	0	0	0	4	0	0	1	0	0
June	8.0	S.	33	N.	0	4	7	4	2	13	14	6	10	0	3	12	15	11	9	0	0	0	8	0	0	0	4	0
July	7.5	S.	24	NE.	0	7	5	4	0	20	9	9	8	0	8	7	16	13	11	0	0	0	8	0	0	0	1	0
August	8.0	S.	32	S.	0	3	0	1	2	24	12	7	12	1	8	11	12	11	9	0	0	0	15	0	0	0	5	0
September	7.3	S.	26	N.	0	5	4	4	1	19	9	4	11	3	6	13	11	10	5	0	0	0	11	0	0	0	1	1
October	10.1	S.	43	E.	2	5	3	4	1	12	10	14	12	1	8	7	16	12	9	0	0	0	11	0	0	0	2	1
November	11.4	NW.	39	E.	0	15	4	4	4	6	10	3	14	0	9	2	19	11	7	3	2	0	2	0	0	10	0	0
December	12.6	NW.	46	NE.	4	5	2	5	3	6	8	13	20	0	4	5	22	17	12	10	9	0	1	9	0	18	0	0
Year	10.9	S.	58	NE.	20	74	57	36	21	145	108	119	164	6	88	89	188	150	113	65	53	0	68	79	0	136	14	2

ELKINS, W. VA.

[H_b=1,947 ft.; h_t=59 ft.; h_r=52 ft.; h_a=67 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	7.2	W.	32	W.	0	5	3	2	6	12	4	18	11	1	1	6	24	24	18	15	12	0	1	3	0	29	0	0
February	7.4	W.	40	W.	1	5	3	0	0	5	11	23	8	1	2	6	20	18	15	17	8	0	0	11	0	21	0	0
March	9.0	W.	41	SW.	1	4	0	1	4	9	10	18	15	1	8	9	14	13	13	10	6	0	0	2	0	24	0	0
April	6.9	W.	31	W.	0	12	1	0	5	6	7	13	14	2	9	9	12	11	8	1	0	1	0	0	0	12	2	0
May	5.8	W.	31	SW.	0	8	2	4	17	5	6	11	5	4	6	15	10	12	9	2	2	0	2	0	0	2	1	0
June	4.9	W.	21	NE.	0	9	3	1	7	6	9	9	14	2	6	12	12	13	11	0	0	0	0	0	1	0	10	0
July	3.3	W.	24	SW.	0	9	5	4	9	9	8	7	7	4	5	15	11	11	9	0	0	1	5	0	0	0	9	1
August	3.7	W.	29	W.	0	7	4	0	7	12	8	10	11	3	5	18	8	13	9	0	0	0	5	0	0	0	5	0
September	3.0	W.	17	NW.	0	11	3	2	4	8	11	6	8	7	10	10	10	9	8	0	0	0	13	0	0	0	4	0
October	4.1	NW.	33	W.	0	13	5	0	9	4	7	5	14	5	13	9	9	6	4	0	0	1	13	0	0	11	0	0
November	5.5	W.	24	W.	0	10	3	2	6	6	6	15	11	1	8	7	15	13	12	4	3	0	5	0	0	16	0	0
December	5.9	W.	34	W.	0	3	2	2	4	18	6	14	10	3	6	8	17	16	16	5	5	0	3	1	0	22	0	0
Year	5.5	W.	41	SW.	2	96	34	18	78	100	93	149	128	34	79	124	162	159	132	54	36	3	47	17	1	137	31	1

Annual meteorological summary for the year ending December 31, 1923—Continued

ELLENDALE, N. DAK.

[ϕ=45° 59′ N.; λ=98° 34′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	28.442	28.930	27.820	10.4	14.8	----	23.2	3.8	13.5	43	−11	9	12	----	93	86	----	0.066	0.076	----	0.59	0.30	6.2	7.2	----	7.3
February	28.605	29.250	27.940	2.5	12.2	----	17.4	−2.5	7.4	38	−23	1	8	----	92	84	----	.050	.069	----	.47	.27	5.0	6.8	----	6.3
March	28.462	29.130	27.700	14.6	23.6	----	31.4	9.8	20.6	51	−18	11	15	----	85	69	----	.077	.091	----	.26	.15	7.0	7.4	----	7.0
April	28.385	28.750	27.660	32.2	47.0	----	51.3	29.4	40.4	86	12	29	30	----	88	54	----	.164	.174	----	1.38	.59	5.1	5.9	----	6.0
May	28.405	28.900	28.110	47.6	63.2	----	67.6	41.3	54.4	85	24	41	39	----	79	43	----	.276	.261	----	1.79	.81	4.4	6.0	----	5.4
June	28.357	28.670	27.980	61.2	73.0	----	76.8	54.9	65.8	88	43	56	56	----	84	57	----	.467	.462	----	6.86	2.67	5.4	5.9	----	6.1
July	28.425	28.620	28.030	65.9	77.9	----	81.9	61.1	71.5	92	52	63	64	----	90	65	----	.578	.620	----	3.62	1.08	4.7	5.6	----	5.4
August	28.468	28.740	28.210	55.6	72.1	----	75.6	52.1	63.8	87	39	52	54	----	89	54	----	.401	.425	----	1.45	.59	4.8	5.4	----	5.2
September	28.423	28.780	28.030	50.6	68.9	----	73.3	47.7	60.5	90	34	47	49	----	89	52	----	.338	.362	----	1.11	.57	4.5	4.2	----	4.6
October	28.555	28.910	27.800	35.5	53.8	----	57.4	32.4	44.9	79	11	33	32	----	90	45	----	.200	.200	----	.42	.24	5.0	4.7	----	5.0
November	28.434	28.830	27.950	30.5	44.9	----	49.0	26.0	37.5	64	13	26	29	----	85	55	----	.147	.162	----	.23	.19	6.5	5.3	----	6.0
December	28.429	28.960	27.580	16.5	30.6	----	35.6	11.6	23.6	54	−20	12	17	----	83	56	----	.079	.099	----	.24	.19	5.4	5.5	----	5.5
Year	28.449	29.250	27.580	35.3	48.5	----	53.4	30.6	42.0	92	−23	32	34	----	87	60	----	.237	.250	----	18.42	2.67	5.3	5.8	----	5.8

EL PASO, TEX.

[ϕ=31° 47′ N.; λ=106° 30′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	26.239	26.570	25.950	40.2	54.1	56.6	60.6	37.6	49.1	69	22	22	26	26	49	36	33	0.126	0.148	0.145	0.64	0.44	2.4	3.5	3.4	3.5
February	26.245	26.580	25.950	39.0	49.8	52.6	56.4	36.1	46.2	73	18	29	31	29	70	52	44	.169	.178	.166	1.41	.39	3.4	4.7	3.6	4.1
March	26.172	26.580	25.760	42.3	56.5	59.7	63.2	39.3	51.2	76	24	26	23	20	55	31	26	.151	.136	.122	.33	.23	2.0	3.1	3.3	3.3
April	26.077	26.320	25.782	53.5	69.1	72.4	75.9	51.2	63.6	84	41	31	27	23	46	24	18	.186	.157	.132	.04	.04	2.0	2.7	2.9	3.1
May	26.056	26.460	25.704	62.6	80.1	84.5	86.8	61.2	74.0	95	51	30	25	18	31	15	10	.177	.146	.105	.01	.01	1.2	1.5	2.2	2.1
June	26.054	26.300	25.824	70.1	88.4	91.9	94.6	68.3	81.4	104	60	42	35	32	39	16	13	.292	.218	.190	.09	.09	1.2	1.3	1.5	1.5
July	26.167	26.340	26.014	72.6	87.3	88.2	93.0	71.2	82.1	100	62	55	51	49	56	30	29	.439	.379	.357	.20	.05	2.2	2.0	4.4	3.2
August	26.189	26.350	26.005	69.5	82.7	84.3	89.3	68.2	78.3	101	62	58	56	54	69	41	39	.487	.444	.427	2.96	1.43	3.4	2.5	4.5	3.9
September	26.191	26.360	25.970	63.1	80.0	80.3	85.1	61.9	73.5	90	54	50	49	48	65	35	32	.379	.359	.320	.41	.22	1.4	1.8	2.8	2.6
October	26.168	26.470	25.850	53.6	68.9	69.4	74.4	51.8	63.1	88	41	40	39	37	60	36	34	.255	.246	.227	.58	.41	2.1	2.1	2.3	2.5
November	26.250	26.470	25.890	44.7	55.7	56.0	60.5	42.0	51.2	70	30	36	35	36	73	48	48	.218	.211	.216	.53	.18	4.5	4.5	3.6	4.3
December	26.231	26.570	25.870	37.0	45.6	46.4	50.4	34.8	42.6	67	16	31	32	33	80	63	62	.178	.188	.190	.93	.34	4.7	5.7	4.8	5.6
Year	26.170	26.580	25.704	54.0	68.2	70.2	74.2	52.0	63.1	104	16	38	36	34	58	36	32	.255	.234	.216	8.13	1.43	2.5	3.0	3.3	3.3

ERIE, PA.

[ϕ=42° 07′ N.; λ=80° 05′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.253	29.950	28.712	28.1	29.8	29.1	34.6	22.8	28.7	49	7	22	23	23	78	76	77	0.121	0.125	0.128	2.67	0.59	9.1	8.9	7.9	9.2
February	29.342	29.750	28.780	20.0	24.1	23.8	29.7	15.6	22.6	47	−1	14	16	18	76	69	78	.088	.094	.108	1.45	.56	7.9	8.2	7.5	7.1
March	29.221	29.790	28.440	30.1	34.2	32.5	42.9	23.8	33.4	62	6	23	24	22	72	65	65	.134	.138	.127	1.89	.50	6.7	7.1	6.4	6.2
April	29.190	29.863	28.620	41.2	46.5	45.8	53.3	35.8	44.6	80	7	31	32	34	68	60	66	.180	.190	.204	2.23	1.01	5.0	4.4	5.2	4.9
May	29.189	29.590	28.810	53.4	58.8	56.3	62.9	45.3	54.1	84	32	41	43	41	64	61	60	.268	.289	.266	2.62	.92	3.7	4.1	4.4	3.7
June	29.183	29.450	28.720	69.7	72.8	71.8	77.8	62.1	70.0	90	49	57	58	57	66	61	62	.490	.500	.480	1.17	.84	4.0	3.5	4.1	3.5
July	29.254	29.550	28.900	69.9	74.5	73.3	78.6	63.1	70.8	88	55	57	58	57	66	58	59	.479	.489	.483	.93	.44	5.2	4.5	5.5	4.6
August	29.223	29.430	28.850	66.6	72.5	71.2	77.3	60.6	69.0	88	47	56	58	56	69	64	60	.455	.504	.465	1.43	.82	5.0	5.0	3.5	5.0
September	29.322	29.726	28.990	62.3	67.7	66.0	71.3	58.5	64.9	86	44	54	56	55	76	68	72	.447	.473	.459	3.32	.79	6.5	5.5	4.1	5.7
October	29.354	29.720	28.670	49.1	54.9	51.6	58.5	44.8	51.6	79	30	42	43	40	76	67	67	.270	.291	.255	1.35	.54	5.5	6.3	4.7	6.3
November	29.278	29.685	28.750	39.6	43.7	42.5	47.2	36.4	41.8	60	27	33	33	33	76	68	70	.191	.195	.193	2.45	.70	6.7	7.2	6.7	7.0
December	29.227	29.900	28.380	39.0	41.5	40.4	45.2	35.2	40.2	58	24	33	33	34	79	75	76	.196	.201	.197	4.72	1.29	8.2	8.2	7.5	8.3
Year	29.252	29.950	28.380	47.4	51.6	50.3	56.6	42.0	49.3	90	−1	39	40	39	72	66	68	.277	.291	.280	26.43	1.29	6.1	6.1	5.6	6.0

ESCANABA, MICH.

[ϕ=45° 43′ N.; λ=87° 05′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.378	30.000	28.640	15.5	21.0	19.5	25.0	10.6	17.8	42	−7	13	16	18	90	81	83	0.081	0.092	0.088	1.98	0.79	8.0	7.5	7.5	7.4
February	29.440	29.970	28.830	5.7	14.0	13.0	19.4	0.4	9.9	36	−21	4	7	8	93	73	80	.056	.065	.068	.99	.45	6.9	4.9	5.2	4.8
March	29.321	29.900	28.630	14.2	21.1	19.7	26.7	9.6	17.8	41	−6	12	13	14	89	70	79	.081	.088	.090	2.56	.52	6.3	4.9	4.7	4.6
April	29.297	29.780	28.800	30.0	38.8	36.3	42.1	28.0	34.6	62	−1	24	27	27	79	64	69	.135	.151	.150	2.44	.95	3.8	4.0	4.7	3.9
May	29.331	29.740	28.890	45.5	51.6	51.2	55.9	40.9	48.4	72	26	36	36	36	71	57	56	.222	.221	.215	.76	.49	4.5	3.5	3.6	3.6
June	29.278	29.620	28.780	59.9	65.8	65.0	71.0	54.2	62.6	92	41	54	54	55	82	69	72	.428	.436	.456	3.20	1.53	4.6	4.4	4.0	4.5
July	29.362	29.610	29.110	63.0	70.4	70.0	74.3	58.7	66.5	89	51	59	62	62	86	76	77	.499	.563	.553	6.62	1.63	5.1	4.9	4.7	5.0
August	29.322	29.610	28.970	57.8	65.4	63.2	68.8	52.5	60.6	80	41	52	54	56	83	67	79	.403	.423	.459	2.14	.47	4.1	5.4	4.7	4.5
September	29.415	29.710	28.940	52.6	59.5	57.2	63.0	48.7	55.8	71	32	50	52	52	91	78	82	.378	.404	.398	2.34	.75	4.3	5.0	5.2	5.0
October	29.467	29.820	28.840	39.8	49.3	46.9	52.5	36.8	44.6	71	20	36	38	38	84	65	73	.221	.244	.249	2.36	1.24	5.2	4.7	4.1	5.0
November	29.350	29.760	28.720	33.6	40.5	39.2	43.6	31.6	37.6	60	19	29	30	32	81	68	76	.161	.173	.189	1.14	.35	5.8	6.1	6.3	6.3
December	29.399	29.820	28.540	27.6	33.4	31.9	36.9	24.3	30.6	46	9	24	26	26	85	72	76	.131	.140	.142	1.45	.51	6.4	6.7	5.4	6.4
Year	29.358	30.000	28.540	37.1	44.2	42.8	48.4	32.7	40.5	92	−21	33	35	35	84	70	75	.233	.250	.255	27.98	1.63	5.4	5.2	5.0	5.1

Annual meteorological summary for the year ending December 31, 1923—Continued

ELLENDALE, N. DAK.

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

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorms	Auroras
	Miles		*Mi.*																									
January	13.7	NW.	54	NW.	4	2	7	0	2	4	3	2	10	1	5	9	17	9	3	14	9	0	3	23	0	31	0	0
February	17.7	NW.	62	NW.	7	1	0	0	4	4	1	0	18	0	8	7	13	6	2	14	6	0	0	23	0	28	0	0
March	17.0	NW.	56	N.	5	8	2	2	0	7	2	1	9	0	4	13	14	4	2	15	4	0	0	17	0	30	0	0
April	14.2	NE.	45	N.	1	4	7	1	1	6	2	2	7	0	9	9	12	7	6	6	3	0	1	4	0	19	1	0
May	13.7	SE.	45	N.	1	3	6	2	4	6	4	1	5	0	7	17	7	8	5	1	0	0	0	6	0	7	3	0
June	13.3	S.	56	NE.	2	3	3	4	5	7	2	1	4	1	7	10	13	13	10	0	0	1	0	0	0	0	9	0
July	9.9	SE.	43	NW.	2	7	3	2	8	3	2	1	5	0	8	15	8	10	10	0	0	0	1	0	2	0	8	0
August	9.2	NW.	40	N.	1	4	2	2	2	4	5	2	10	0	9	17	5	9	5	0	0	0	3	0	0	0	7	0
September	13.1	S.	40	SE.	1	2	2	3	1	8	2	3	9	0	12	10	8	7	6	0	0	0	1	0	1	0	3	0
October	12.7	NW.	40	S.	1	2	4	0	2	7	2	2	11	1	14	6	11	6	2	4	2	0	0	1	0	16	1	0
November	12.7	NW.	46	NW.	2	2	2	0	1	8	5	2	10	0	9	7	14	3	1	4	0	0	1	1	0	26	1	0
December	13.6	NW.	56	NW.	2	3	1	0	0	7	3	8	9	0	9	11	11	2	2	7	2	0	0	7	0	31	0	0
Year	13.4	NW.	62	NW.	29	41	39	16	30	71	33	25	107	3	101	131	133	84	54	65	26	1	10	76	3	188	33	0

EL PASO, TEX.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	9.1	NW.	29	N.	0	0	12	7	8	2	4	7	22	0	16	12	3	4	3	0	0	0	0	0	0	5	1	0
February	11.8	E.	40	E.	1	3	4	16	7	2	7	12	5	0	12	10	6	8	7	2	1	0	0	1	0	6	0	0
March	13.3	W.	58	SW.	8	1	5	14	8	0	6	18	10	0	18	8	5	5	2	0	0	0	0	0	0	3	0	0
April	13.6	W.	49	SW.	3	0	4	12	1	0	1	27	15	0	17	13	0	1	1	0	0	0	0	0	0	0	0	0
May	13.6	W.	46	SW.	3	0	2	10	7	0	2	25	16	0	24	7	0	1	0	0	0	0	0	0	7	0	0	0
June	9.4	E.	42	NE.	1	1	8	11	12	5	5	7	11	0	27	1	2	1	1	0	0	0	0	0	27	0	4	0
July	9.8	SE.	33	SE.	0	1	4	16	23	3	2	4	9	0	20	10	1	6	3	0	0	0	0	0	25	0	5	0
August	9.4	SE.	37	S.	0	3	4	17	19	1	2	6	10	0	14	13	4	12	6	0	0	0	0	0	10	0	8	0
September	8.3	SE.	38	NW.	0	1	2	13	16	0	4	12	12	0	21	9	0	3	2	0	0	0	0	0	2	0	2	0
October	10.5	E.	38	NE.	0	0	7	19	11	3	2	13	7	0	24	3	4	3	3	0	0	0	0	0	0	0	4	0
November	10.3	NW.	38	W.	0	1	6	17	8	2	3	6	17	0	13	10	7	6	5	0	0	0	0	0	0	1	1	0
December	11.1	NW.	60	NE.	4	0	7	10	4	2	3	13	23	0	12	4	15	10	6	4	4	0	3	2	0	10	0	0
Year	10.8	NW.	60	NE.	20	11	65	162	124	20	41	150	157	0	218	100	47	60	39	6	5	0	3	3	71	25	25	0

ERIE, PA.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	16.6	NW.	53	SE.	9	1	7	3	5	6	11	14	15	0	1	3	27	15	11	21	13	0	0	12	0	31	0	0
February	14.8	W.	64	W.	5	4	3	1	4	7	1	25	11	0	2	13	13	14	12	17	9	0	0	14	0	25	0	0
March	14.9	W.	59	W.	3	2	2	0	5	19	6	12	16	0	8	13	12	15	10	16	7	0	0	8	0	23	0	1
April	14.9	W.	48	SE.	4	3	10	0	3	9	8	19	8	0	12	10	8	13	9	7	3	0	1	0	0	12	1	0
May	14.0	NE.	52	S.	4	7	26	5	3	8	5	4	4	0	18	4	9	9	8	2	2	0	1	0	0	2	4	0
June	11.9	W.	48	W.	1	10	5	1	0	3	15	21	5	0	17	11	2	4	2	0	0	0	0	0	0	0	5	0
July	9.9	N.	37	SE.	0	14	11	4	7	7	5	3	11	0	14	10	7	11	7	0	0	0	0	0	0	0	3	0
August	11.3	NW.	52	SW.	1	8	8	2	5	7	5	14	13	0	5	21	5	6	5	0	0	0	0	0	0	0	1	0
September	10.9	N.	38	W.	0	12	10	3	7	16	2	3	7	0	8	15	7	14	10	0	0	0	1	0	0	0	5	0
October	12.6	NW.	42	zS.	2	10	4	2	7	6	12	8	13	0	8	6	17	9	9	1	1	0	0	0	0	1	0	0
November	15.0	S.	49	SE.	3	9	3	4	8	15	8	7	6	0	8	3	19	11	8	3	2	0	2	0	0	6	0	0
December	15.8	S.	55	SW.	6	6	5	1	8	13	9	12	8	0	1	6	24	17	16	9	3	0	1	1	0	11	0	0
Year	13.6	W.	64	W.	38	86	94	26	62	116	87	142	117	0	100	115	150	138	107	76	40	0	6	35	0	111	19	1

ESCANABA, MICH.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	9.1	NW.	40	NW.	1	7	10	2	3	10	9	6	15	0	5	7	19	14	8	26	14	0	2	28	0	31	0	0
February	9.3	NW.	32	NW.	0	10	7	2	1	8	6	9	13	0	11	10	7	7	7	13	7	0	1	24	0	28	0	0
March	11.9	NW.	48	N.	1	14	11	0	1	11	7	3	14	1	17	4	10	12	10	20	12	0	1	20	0	31	0	0
April	9.3	N.	35	N.	0	13	11	2	4	12	5	2	11	0	16	9	5	9	7	8	4	0	2	5	0	18	1	0
May	9.0	S.	45	NE.	1	18	6	4	5	26	2	1	0	0	18	7	6	4	3	1	0	0	2	0	0	6	1	1
June	8.7	S.	37	NW.	0	10	5	3	3	22	6	2	8	1	12	11	7	9	7	0	0	0	3	0	1	0	10	0
July	7.4	S.	36	NE.	0	12	10	5	2	14	11	5	2	1	12	9	10	13	13	0	0	1	1	0	0	0	8	0
August	8.2	S.	28	NE.	0	11	8	1	1	19	9	1	12	0	12	13	6	11	9	0	0	1	4	0	0	0	2	0
September	8.3	S.	30	NW.	0	13	8	2	1	19	7	3	5	2	11	10	9	12	10	1	0	1	5	0	0	0	6	1
October	9.0	S.	36	NW.	0	9	3	1	1	13	14	4	17	0	14	7	10	9	5	3	0	0	2	1	0	9	0	1
November	10.0	SW.	35	N.	0	7	2	1	2	10	21	4	12	1	9	3	18	7	7	7	2	0	3	1	0	18	0	0
December	10.2	SW.	36	NE.	0	7	6	0	3	3	22	9	12	0	9	5	17	11	9	10	5	0	4	5	0	27	0	1
Year	9.2	S.	48	N.	3	131	87	23	27	167	119	49	121	6	146	95	124	118	95	89	44	3	30	84	1	168	28	4

Annual meteorological summary for the year ending December 31, 1923—Continued

EUREKA, CALIF.

[ϕ=40° 48′ N.; λ=124° 11′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	30.080	30.340	29.320	44.5	50.9	50.0	52.6	41.2	46.9	67	27	40	43	42	85	75	75	0.253	0.281	0.272	3.88	0.66	6.5	8.0	8.0	7.6
February	30.141	30.390	29.600	42.2	49.5	49.2	52.2	39.2	45.7	61	28	38	44	42	87	72	76	.237	.256	.268	.50	.43	4.4	4.6	5.4	5.2
March	30.184	30.420	29.730	42.7	51.5	50.5	54.1	40.6	47.4	74	31	39	42	42	87	71	74	.239	.268	.270	.80	.39	4.2	4.5	5.2	5.0
April	29.992	30.349	29.600	47.1	53.0	52.3	55.5	45.5	50.5	67	40	44	45	45	90	76	78	.291	.304	.303	2.95	.85	7.7	6.2	6.6	6.6
May	30.044	30.250	29.790	48.4	54.2	53.6	56.5	46.9	51.7	74	38	46	47	47	92	78	79	.313	.325	.326	1.26	.68	7.5	5.5	6.0	6.5
June	29.960	30.250	29.700	51.1	56.3	56.3	58.4	50.2	54.3	62	44	49	50	50	93	80	80	.347	.365	.363	1.07	.88	8.4	5.7	7.0	6.7
July	29.902	30.200	29.760	54.9	60.0	59.9	62.2	54.2	58.2	68	49	53	54	54	93	80	80	.399	.411	.410	.03	.02	8.6	6.0	5.8	6.4
August	29.997	30.090	29.823	56.8	61.4	61.4	64.3	55.1	59.7	73	50	55	56	56	93	82	83	.427	.442	.452	.02	.01	8.4	5.8	4.8	6.2
September	29.959	30.180	29.696	53.8	59.5	59.0	62.4	51.9	57.2	70	47	52	53	53	94	79	82	.387	.398	.409	1.54	1.02	6.3	6.0	4.6	5.9
October	30.008	30.246	29.750	50.2	58.4	57.1	60.8	48.1	54.4	68	41	48	50	51	93	76	80	.342	.369	.376	2.55	.96	3.8	4.1	4.5	5.1
November	30.061	30.300	29.766	49.7	58.6	56.2	60.9	46.2	53.6	71	38	45	48	49	86	70	79	.307	.340	.353	2.86	1.30	4.6	4.4	5.6	5.3
December	30.139	30.640	29.759	42.7	49.6	48.4	52.5	38.1	45.3	68	31	39	42	43	87	76	82	.236	.269	.278	4.93	1.51	4.4	6.9	7.0	6.7
Year	30.046	30.640	29.320	48.7	55.2	54.5	57.7	46.4	52.1	74	27	46	48	48	90	76	79	.315	.336	.340	22.39	1.51	6.2	5.6	5.9	6.1

EVANSVILLE, IND.

[ϕ=37° 58′ N.; λ=87° 32′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.634	30.120	29.100	36.5	42.5	43.0	48.0	33.5	40.8	63	25	30	32	33	78	67	69	0.175	0.191	0.199	5.43	2.68	6.3	7.2	6.9	7.2
February	29.776	30.360	29.270	28.8	35.4	34.7	39.9	25.4	32.6	61	7	23	24	24	76	61	65	.136	.144	.146	4.45	1.57	6.1	6.2	5.5	6.1
March	29.621	30.120	28.620	37.3	45.9	46.2	53.2	32.7	43.0	70	10	29	30	34	71	55	62	.166	.174	.213	2.48	.68	5.8	6.9	4.9	5.4
April	29.537	30.091	29.080	49.8	60.7	59.9	65.7	46.1	55.9	82	24	40	38	42	69	47	54	.257	.243	.279	4.54	2.42	4.2	5.4	4.3	5.3
May	29.445	29.704	28.960	59.9	68.9	67.3	74.1	55.5	64.8	84	38	50	50	53	72	55	63	.389	.391	.428	4.66	2.65	5.6	6.4	6.9	6.4
June	29.521	29.780	29.010	71.4	80.2	78.9	84.0	66.9	75.4	97	50	63	62	63	76	56	60	.593	.562	.597	5.09	2.33	4.3	5.6	4.3	5.2
July	29.543	29.755	29.321	74.4	86.1	83.7	90.2	70.2	80.2	96	58	65	64	65	73	48	54	.624	.599	.621	1.00	.39	3.8	4.1	3.8	4.7
August	29.537	29.710	29.320	72.9	84.5	80.0	87.9	68.9	78.4	96	52	66	66	67	79	55	66	.653	.650	.681	3.09	.86	4.5	5.0	5.7	5.6
September	29.612	29.860	29.280	64.3	77.2	72.6	79.9	61.7	70.8	92	46	59	57	59	83	53	64	.516	.496	.519	1.84	.80	5.0	6.2	5.1	5.7
October	29.687	29.990	28.920	50.3	64.6	59.9	67.7	47.6	57.6	83	28	42	41	42	74	46	54	.282	.275	.281	3.78	3.61	3.7	4.2	4.8	4.5
November	29.640	30.000	29.180	41.9	52.4	49.9	55.6	39.6	47.6	70	29	35	37	37	77	57	62	.209	.224	.225	3.54	1.95	4.3	4.9	5.5	5.1
December	29.616	30.250	29.088	43.2	49.2	48.1	53.9	39.4	46.6	67	16	38	40	40	82	71	75	.248	.265	.273	6.43	1.76	6.3	7.3	7.2	7.1
Year	29.597	30.360	28.620	52.6	62.3	60.4	66.7	49.0	57.8	97	7	45	45	47	76	56	62	.354	.351	.372	46.33	3.61	5.0	5.8	5.4	5.7

FORT SMITH, ARK.

[ϕ=35° 22′ N.; λ=94° 24′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.586	30.040	29.230	41.6	52.4	52.6	59.1	38.6	48.8	70	29	35	36	36	77	56	56	0.214	0.225	0.226	5.62	2.18	5.2	5.5	5.4	5.5
February	29.740	30.300	29.200	35.7	43.2	43.6	48.5	32.8	40.6	70	17	28	28	30	74	57	62	.168	.160	.181	1.77	.64	6.6	7.0	6.1	5.6
March	29.560	30.040	28.618	41.9	52.4	52.9	59.3	38.1	48.7	75	10	34	36	34	74	57	52	.210	.229	.210	2.12	.74	5.8	6.5	5.5	5.9
April	29.400	29.920	28.980	53.5	67.0	66.4	72.5	51.0	61.8	86	33	47	56	50	81	68	59	.347	.458	.384	4.12	2.02	5.3	6.1	6.2	5.9
May	29.375	29.800	28.930	61.2	71.6	70.9	76.1	57.6	66.8	89	40	56	60	58	85	68	66	.468	.527	.498	8.87	2.08	5.7	6.5	5.6	6.0
June	29.445	29.660	29.111	72.1	82.7	82.0	86.8	69.0	77.9	97	59	67	67	68	85	60	63	.670	.673	.697	3.72	1.96	5.0	7.1	4.0	5.6
July	29.480	29.700	29.280	75.0	88.7	86.8	92.8	72.1	82.4	101	63	69	68	68	82	50	55	.709	.678	.683	3.41	1.45	4.9	4.9	4.3	4.8
August	29.471	29.670	29.260	75.3	91.2	89.4	95.9	73.4	84.6	107	62	67	64	65	76	42	46	.674	.596	.628	.29	.25	3.6	3.8	4.9	4.1
September	29.531	29.710	29.340	66.3	79.0	77.0	83.2	64.6	73.9	93	57	53	62	63	88	56	64	.576	.562	.583	4.54	1.61	5.7	6.0	5.0	5.4
October	29.628	29.990	29.030	53.6	64.2	62.2	67.6	52.0	59.8	82	34	48	48	50	84	60	68	.361	.367	.395	3.13	.77	5.6	5.8	4.9	5.9
November	29.619	29.900	29.240	43.2	57.0	54.9	60.1	42.1	51.1	73	31	39	39	41	86	54	62	.247	.250	.267	3.96	2.28	4.2	4.9	4.8	5.0
December	29.588	30.140	29.060	43.2	51.5	50.1	56.5	40.0	48.2	76	16	38	39	39	84	65	67	.250	.266	.260	4.26	1.58	7.1	6.7	5.8	6.6
Year	29.540	30.300	28.618	55.2	66.7	65.7	71.5	52.6	62.0	107	10	49	50	50	81	58	60	.408	.417	.417	43.81	2.28	5.4	5.9	5.2	5.6

FORT WAYNE, IND.

[ϕ=41° 06′ N.; λ=85° 10′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.121	29.750	28.510	28.3	31.9	31.0	35.6	24.6	30.1	50	11	23	26	26	80	76	79	0.127	0.139	0.142	1.99	0.54	7.5	7.8	7.6	8.0
February	29.232	29.700	28.700	20.4	25.5	24.8	29.7	16.4	23.0	44	1	17	20	20	84	76	80	.102	.117	.120	1.23	.55	7.7	7.8	6.9	7.8
March	29.090	29.610	28.160	30.0	36.5	35.7	43.2	24.6	33.9	63	7	24	23	26	78	58	67	.139	.132	.134	3.65	1.51	6.4	6.6	5.4	6.5
April	29.055	29.640	28.550	41.9	53.0	51.1	57.9	36.9	47.4	78	18	31	31	34	66	47	55	.178	.182	.201	1.42	.69	5.6	5.5	5.2	5.9
May	29.019	29.400	28.390	51.8	63.1	61.5	69.0	45.6	57.3	85	30	43	45	45	74	57	58	.289	.319	.313	4.25	1.69	5.0	5.5	5.1	5.3
June	29.068	29.390	28.660	67.5	78.2	76.4	82.4	61.6	72.0	97	46	59	58	58	76	51	55	.522	.495	.503	1.56	.60	4.1	5.8	4.1	4.9
July	29.107	29.342	28.830	68.1	79.9	77.7	84.3	63.5	73.9	93	53	61	61	61	78	54	59	.541	.550	.548	5.26	1.93	3.9	4.5	4.8	4.6
August	29.088	29.260	28.850	65.1	75.9	73.5	79.4	60.5	70.0	89	46	58	58	60	78	55	63	.496	.497	.532	4.35	1.02	4.8	6.0	4.7	5.4
September	29.169	29.500	28.750	59.2	70.6	66.9	73.6	56.5	65.0	86	40	55	56	57	86	62	71	.454	.476	.486	2.41	.98	5.2	6.5	5.9	6.0
October	29.239	29.580	28.420	44.1	55.6	52.7	59.3	41.7	50.5	78	27	38	37	40	79	52	63	.236	.230	.257	3.08	1.77	5.0	5.1	4.5	4.9
November	29.151	29.540	28.670	36.2	43.8	42.5	48.4	34.0	41.2	61	26	32	34	35	86	70	84	.185	.199	.204	2.06	.72	5.9	6.1	6.2	6.5
December	29.194	29.710	28.460	35.7	41.3	39.8	45.6	32.6	39.1	56	18	33	34	36	89	77	85	.195	.207	.218	3.99	1.23	7.5	7.5	7.3	7.5
Year	29.120	29.750	28.160	45.7	54.6	52.8	59.0	41.5	50.3	97	1	40	40	42	80	61	67	.289	.295	.306	35.25	1.93	5.7	6.3	5.6	6.1

Annual meteorological summary for the year ending December 31, 1923—Continued

EUREKA, CALIF.

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

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorms	Auroras
	Miles		*Mi.*																									
January	6.1	SE.	42	S.	1	6	1	3	21	8	10	3	4	6	2	11	18	24	20	0	0	3	2	0	0	2	0	0
February	6.2	N.	44	SW.	1	21	2	3	9	2	5	3	7	4	11	6	11	5	3	0	0	2	6	0	0	2	0	0
March	9.0	N.	46	N.	3	23	3	4	10	2	7	4	4	5	11	10	10	10	6	0	0	0	1	0	0	2	0	0
April	8.4	N.	30	SE.	0	23	2	2	8	8	6	2	6	3	6	9	15	15	10	0	0	0	3	0	0	0	0	0
May	7.3	N.	26	N.	0	22	3	2	8	3	5	2	13	4	6	11	14	11	7	0	0	0	1	0	0	0	1	0
June	7.0	N.	26	SW.	0	24	2	3	4	0	4	5	13	5	2	15	13	10	3	0	0	0	1	0	0	0	0	0
July	6.2	N.	27	N.	0	26	1	0	4	3	5	4	14	5	5	13	13	2	0	0	0	0	0	0	0	0	0	0
August	5.6	N.	26	SW.	0	21	1	0	9	3	8	5	11	4	9	9	13	2	0	0	0	0	5	0	0	0	0	0
September	5.2	N.	35	N.	0	20	1	3	9	3	6	5	5	6	10	8	12	3	3	0	0	0	4	0	0	0	1	0
October	5.2	N.	33	N.	0	17	4	10	6	4	8	2	2	9	12	9	10	9	9	0	0	0	6	0	0	0	0	0
November	4.8	SE.	35	N.	0	13	6	7	7	2	8	4	5	7	12	7	11	5	5	0	0	0	8	0	0	0	0	0
December	5.2	SE.	39	SW.	0	11	11	3	18	3	3	1	2	10	6	8	17	16	12	1	0	2	8	0	0	2	0	0
Year	6.4	N.	46	N.	5	227	37	40	113	44	75	40	86	68	92	116	157	112	78	1	0	7	45	0	0	8	2	0

EVANSVILLE, IND.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	12.6	NW.	42	SW.	2	7	5	4	7	13	5	7	14	0	3	10	18	11	9	2	0	0	2	0	0	15	1	0
February	12.1	N.	46	NW.	2	14	7	2	0	3	10	9	11	0	7	9	12	9	7	4	1	0	4	8	0	21	1	0
March	15.2	SW.	60	SW.	6	13	2	6	7	9	10	6	9	0	8	16	7	11	7	3	0	0	2	1	0	14	3	0
April	11.8	SW.	47	SW.	2	6	10	5	1	10	14	9	5	0	10	13	7	9	8	0	0	0	2	0	0	1	5	0
May	11.8	NE.	53	W.	4	2	14	11	8	6	9	7	5	0	6	13	12	17	10	0	0	1	0	0	0	0	8	0
June	9.1	SW.	48	N.	1	3	10	8	3	11	18	5	2	0	7	16	7	9	8	0	0	0	0	0	8	0	6	0
July	7.5	W.	30	NW.	0	4	11	11	5	6	9	13	3	0	7	20	4	6	5	0	0	0	0	0	16	0	7	0
August	7.6	SW.	34	SE.	0	3	10	6	1	14	17	10	1	0	4	25	2	14	12	0	0	0	1	0	15	0	15	0
September	8.6	SW.	30	SW.	0	4	14	7	4	9	10	8	4	0	7	15	8	7	5	0	0	0	0	0	1	0	1	0
October	10.0	NE.	36	W.	0	10	16	5	5	5	3	7	11	0	16	5	10	6	4	0	0	0	0	0	0	2	0	0
November	10.8	SW.	40	SW.	1	9	9	9	3	3	14	4	9	0	10	11	9	9	7	0	0	0	2	0	0	1	0	0
December	11.4	SW.	38	W.	0	8	4	3	5	12	15	4	10	0	3	10	18	14	12	2	1	0	5	0	0	5	1	0
Year	10.7	SW.	60	SW.	18	83	112	77	49	101	135	89	84	0	88	163	114	122	94	11	2	1	18	9	40	59	48	0

FORT SMITH, ARK.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	8.6	E.	38	SW.	0	4	3	28	1	7	7	5	7	0	11	8	12	11	8	1	0	0	0	0	0	7	3	0
February	8.1	E.	42	W.	1	10	6	16	4	0	7	1	12	0	7	7	14	7	4	2	1	0	1	1	0	12	2	0
March	10.5	E.	57	SW.	1	6	6	20	3	10	2	6	8	1	10	6	15	5	5	1	0	1	1	0	0	5	4	0
April	9.0	E.	39	SW.	0	6	4	31	4	1	4	4	6	0	10	6	14	11	8	0	0	0	2	0	0	0	7	0
May	8.5	E.	36	W.	2	8	2	24	4	7	4	5	7	1	10	8	13	16	13	0	0	0	0	0	0	0	13	0
June	7.0	E.	44	W.	1	5	1	28	9	6	6	1	3	1	8	14	8	10	7	0	0	1	0	0	9	0	14	0
July	5.9	E.	42	W.	1	0	6	46	3	2	1	1	3	0	13	14	4	9	6	0	0	0	0	0	24	0	7	0
August	6.1	E.	25	SE.	0	4	4	31	4	10	4	3	2	0	14	13	4	3	3	0	0	0	0	0	27	0	3	0
September	6.4	E.	27	W.	0	1	7	37	5	4	0	3	3	0	7	13	10	12	10	0	0	0	1	0	5	0	9	0
October	6.5	E.	36	NW.	0	4	9	26	3	2	8	4	6	0	10	5	16	15	10	0	0	0	1	0	0	0	2	0
November	6.3	E.	29	W.	0	5	8	19	8	5	7	9	4	0	15	2	13	9	8	1	1	0	5	0	0	1	0	0
December	8.8	E.	37	SW.	0	3	4	22	4	3	13	5	8	0	5	12	14	12	11	1	0	0	1	1	0	6	1	0
Year	7.6	E.	57	SW.	6	56	60	328	47	57	63	47	69	3	120	108	137	120	93	6	2	2	12	2	65	31	65	0

FORT WAYNE, IND.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	10.6	W.	38	SW.	0	3	4	10	4	8	8	16	9	0	2	8	21	15	11	13	7	0	2	7	0	28	0	0
February	10.8	W.	48	W.	2	2	5	6	3	2	12	15	9	0	2	8	18	16	9	20	10	0	2	17	0	26	0	0
March	12.6	SW.	56	SW.	2	5	1	4	4	9	16	10	13	0	7	10	14	13	10	11	4	0	1	6	0	27	1	0
April	12.1	SW.	44	SW.	2	7	9	4	4	7	13	5	11	0	8	9	13	10	6	4	0	0	0	0	0	8	2	0
May	10.2	E.	34	NW.	0	4	10	25	5	6	7	2	3	0	10	10	11	10	10	2	2	0	0	0	0	1	3	0
June	7.4	SW.	37	SW.	0	5	11	6	2	3	24	5	4	0	9	16	5	8	6	0	0	0	1	0	8	0	3	0
July	5.8	SW.	33	NE.	0	3	12	10	4	3	15	4	6	5	12	11	8	10	8	0	0	0	0	0	3	0	10	0
August	6.5	SW.	29	SW.	0	8	6	10	3	6	14	8	7	0	9	12	10	12	10	0	0	0	1	0	0	0	7	0
September	6.1	E.	22	SW.	0	4	10	14	3	12	9	2	5	1	5	15	10	10	9	0	0	0	2	0	0	0	3	0
October	7.0	E.	30	NW.	0	8	10	12	6	3	9	5	9	0	14	5	12	8	6	0	0	0	2	0	0	2	0	0
November	8.4	SW.	26	NW.	0	8	2	14	5	6	11	8	6	0	8	7	15	9	8	2	0	0	4	0	0	9	0	0
December	10.6	SW.	34	W.	0	3	10	5	3	10	16	8	7	0	5	3	23	15	13	4	3	0	3	0	0	18	0	0
Year	9.0	SW.	56	SW.	6	61	90	120	46	75	155	88	89	6	91	114	160	136	106	56	26	0	18	30	11	119	29	0

Annual meteorological summary for the year ending December 31, 1923—Continued

FORT WORTH, TEX.

[ϕ=32° 43′ N.; λ=97° 15′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.340	29.890	28.980	47.9	59.9	59.8	66.4	44.6	55.5	80	30	39	41	40	72	57	55	0.259	0.287	0.280	4.60	3.09	4.5	4.2	3.7	4.8
February	29.477	30.020	28.990	40.4	48.5	50.0	55.7	37.1	46.4	76	18	35	37	38	82	68	64	.220	.209	.247	2.05	.84	7.2	6.9	6.8	7.1
March	29.329	29.850	28.600	45.0	56.2	58.3	65.0	42.2	53.6	80	15	37	37	35	73	53	46	.244	.241	.230	1.52	.39	4.7	4.3	4.0	4.5
April	29.206	29.693	28.750	57.9	71.0	70.7	75.7	56.2	66.0	91	40	52	52	52	80	54	55	.409	.422	.417	5.30	2.60	5.9	5.1	5.3	5.7
May	29.113	29.590	28.650	64.8	77.5	79.4	83.5	63.3	73.4	97	46	58	56	56	78	51	46	.486	.478	.468	.54	.28	4.6	4.9	2.7	4.6
June	29.184	29.470	28.932	72.5	84.4	86.2	90.1	71.1	80.6	100	62	67	66	65	83	55	50	.659	.642	.618	6.74	3.91	4.8	5.0	2.6	4.5
July	29.233	29.510	29.034	75.8	90.8	90.7	96.0	74.4	85.2	105	68	66	62	63	72	40	42	.637	.571	.577	.99	.63	3.9	5.1	4.1	4.5
August	29.235	29.420	29.066	75.9	90.3	91.1	95.5	74.8	85.2	104	67	65	63	60	70	44	39	.632	.584	.519	1.68	.78	3.8	3.5	2.5	3.6
September	29.260	29.480	29.040	69.7	83.7	82.2	88.4	68.6	78.5	95	60	64	62	62	84	50	53	.613	.567	.563	2.06	1.16	5.0	5.2	3.9	4.9
October	29.360	29.740	28.830	56.2	65.8	65.6	70.5	54.5	62.5	93	42	51	52	51	84	65	63	.391	.409	.399	6.05	4.00	6.2	6.1	4.6	6.0
November	29.399	29.700	28.960	49.3	60.7	60.0	64.8	47.2	56.0	80	36	43	48	45	81	66	60	.292	.349	.312	1.63	.55	5.8	4.9	4.9	5.2
December	29.360	29.880	28.880	46.0	53.6	52.4	58.7	42.7	50.8	81	18	43	45	46	89	76	80	.292	.316	.325	4.68	1.84	6.8	6.3	5.7	6.2
Year	29.291	30.020	28.600	58.4	70.2	70.5	75.9	56.4	66.1	105	15	52	52	51	79	57	54	.428	.424	.413	37.84	4.00	5.3	5.1	4.2	5.1

FRESNO, CALIF.

[ϕ=36° 43′ N.; λ=119° 49′ W.]

Month	Monthly mean	Extremes: Maximum	Extremes: Minimum	Mean: 8 a. m.	Mean: Noon, local time	Mean: 8 p. m.	Mean: Maximum	Mean: Minimum	Mean: Monthly	Extremes: Maximum	Extremes: Minimum	Dew point: 8 a. m.	Dew point: Noon, local time	Dew point: 8 p. m.	Relative humidity: 8 a. m.	Relative humidity: Noon, local time	Relative humidity: 8 p. m.	Vapor pressure: 8 a. m.	Vapor pressure: Noon, local time	Vapor pressure: 8 p. m.	Precipitation: Total	Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.793	30.060	29.380	42.1	48.6	50.7	52.8	39.6	46.2	67	31	40	42	41	90	78	72	0.245	0.266	0.261	1.10	0.38	6.0	7.6	5.5	7.2
February	29.778	30.070	29.431	41.9	55.3	59.3	61.4	39.1	50.2	72	29	38	42	42	87	63	54	.236	.281	.273	.74	.41	1.4	3.7	2.8	3.2
March	29.732	30.070	29.407	46.3	63.9	67.8	69.7	43.8	56.8	85	34	37	38	35	70	42	33	.221	.233	.205	.06	.06	2.3	2.8	3.2	2.8
April	29.636	29.910	29.400	50.9	64.6	66.6	69.3	49.3	59.3	88	42	46	46	45	83	53	49	.312	.316	.306	3.93	1.36	3.2	5.2	4.5	4.7
May	29.568	29.800	29.260	53.8	74.7	79.9	81.4	52.8	67.1	94	46	44	44	40	71	34	25	.294	.291	.249	.20	.20	1.3	1.8	1.5	1.6
June	29.517	29.730	29.341	55.6	76.5	82.3	83.9	55.0	69.4	100	49	45	45	40	69	35	24	.304	.303	.257	T.	T.	1.7	1.5	1.9	1.9
July	29.520	29.730	29.280	64.3	87.8	95.2	96.4	63.3	79.8	107	56	47	49	43	54	28	17	.320	.352	.282	.00	.00	.5	.9	.5	.5
August	29.545	29.730	29.380	64.5	87.6	93.4	94.9	63.0	79.0	102	55	49	49	44	58	28	19	.350	.355	.297	.00	.00	.9	.7	.9	.8
September	29.543	29.760	29.220	64.8	83.5	88.6	90.2	62.6	76.4	107	46	48	50	47	57	34	26	.339	.366	.323	.25	.19	1.7	2.1	2.1	1.7
October	29.616	29.830	29.423	53.3	71.4	74.4	76.8	51.2	64.0	91	43	44	47	44	73	43	35	.297	.323	.291	.37	.37	2.1	2.6	2.7	2.1
November	29.713	29.910	29.420	48.9	66.0	67.2	70.7	45.6	58.2	80	41	39	43	41	71	45	42	.243	.278	.267	.10	.10	1.7	2.3	2.1	1.9
December	29.789	30.140	29.400	38.5	51.8	52.8	56.2	36.1	46.2	65	28	33	36	34	80	56	52	.187	.214	.200	.24	.09	3.5	3.1	3.3	3.2
Year	29.646	30.140	29.220	52.1	69.3	73.2	75.3	50.1	62.7	107	28	42	44	41	72	45	37	.279	.298	.268	6.99	1.36	2.2	2.9	2.6	2.6

GALVESTON, TEX.

[ϕ=29° 18′ N.; λ=94° 50′ W.]

Month	Monthly mean	Extremes: Maximum	Extremes: Minimum	Mean: 8 a. m.	Mean: Noon, local time	Mean: 8 p. m.	Mean: Maximum	Mean: Minimum	Mean: Monthly	Extremes: Maximum	Extremes: Minimum	Dew point: 8 a. m.	Dew point: Noon, local time	Dew point: 8 p. m.	Relative humidity: 8 a. m.	Relative humidity: Noon, local time	Relative humidity: 8 p. m.	Vapor pressure: 8 a. m.	Vapor pressure: Noon, local time	Vapor pressure: 8 p. m.	Precipitation: Total	Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	30.067	30.580	29.780	59.8	64.3	62.2	66.9	57.0	62.0	73	40	55	56	56	85	77	83	0.453	0.482	0.478	6.99	5.38	3.8	4.3	3.8	4.7
February	30.126	30.540	29.710	54.5	57.1	56.8	61.2	51.4	56.3	76	29	51	53	52	88	86	84	.406	.430	.415	5.09	3.73	7.1	7.0	6.6	7.5
March	30.019	30.470	29.510	57.5	61.9	60.0	64.8	54.4	59.6	79	30	53	54	53	85	76	80	.425	.444	.437	4.53	2.78	6.0	5.9	5.3	5.9
April	29.903	30.300	29.640	66.8	70.7	69.1	72.7	65.0	69.4	84	50	63	63	65	88	79	87	.584	.598	.628	4.45	1.85	6.7	5.1	5.9	6.0
May	29.812	30.210	29.510	73.0	77.6	76.6	80.7	71.3	76.0	87	61	67	68	68	82	73	77	.679	.698	.703	3.56	1.50	3.7	2.8	3.5	3.7
June	29.890	30.020	29.730	80.0	83.1	81.5	85.7	77.0	81.4	88	68	73	74	73	80	75	76	.818	.840	.812	3.24	1.62	3.9	4.4	4.2	4.8
July	29.948	30.130	29.810	78.7	83.5	82.0	86.1	77.6	81.8	91	68	74	73	74	86	71	76	.849	.812	.826	5.80	2.00	4.6	4.7	4.6	5.1
August	29.948	30.120	29.790	79.4	84.0	82.5	86.8	78.0	82.4	92	71	74	74	74	84	72	76	.848	.831	.842	4.61	2.78	4.3	4.3	4.2	4.5
September	29.947	30.090	29.840	77.5	80.9	80.1	84.4	75.1	79.8	88	68	73	74	73	87	79	80	.820	.830	.825	9.91	4.61	5.3	5.0	4.5	5.3
October	29.977	30.350	29.370	68.5	72.9	71.9	75.7	66.5	71.1	88	53	64	64	62	86	75	73	.616	.623	.593	3.11	2.33	4.8	3.8	4.3	4.5
November	30.065	30.380	29.750	57.3	61.8	60.5	65.0	55.1	60.0	74	43	54	55	53	88	79	78	.433	.445	.419	4.11	2.02	6.4	5.9	4.5	5.8
December	30.039	30.540	29.690	57.5	59.7	58.4	63.6	54.1	58.8	72	38	55	57	55	92	90	86	.462	.487	.457	7.84	2.80	7.3	8.2	8.2	7.9
Year	29.978	30.580	29.370	67.5	71.5	70.2	74.6	65.2	69.9	92	29	63	64	63	86	78	80	.615	.627	.620	63.24	5.38	5.3	5.1	5.0	5.5

GRAND HAVEN, MICH.

[ϕ=43° 05′ N.; λ=86° 13′ W.]

Month	Monthly mean	Extremes: Maximum	Extremes: Minimum	Mean: 8 a. m.	Mean: Noon, local time	Mean: 8 p. m.	Mean: Maximum	Mean: Minimum	Mean: Monthly	Extremes: Maximum	Extremes: Minimum	Dew point: 8 a. m.	Dew point: Noon, local time	Dew point: 8 p. m.	Relative humidity: 8 a. m.	Relative humidity: Noon, local time	Relative humidity: 8 p. m.	Vapor pressure: 8 a. m.	Vapor pressure: Noon, local time	Vapor pressure: 8 p. m.	Precipitation: Total	Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.343	30.020	28.800	25.1	28.1	27.2	31.4	20.3	25.8	42	6	23	25	24	90	86	86	0.123	0.134	0.127	1.57	0.52	9.3	9.2	8.5	9.0
February	29.440	29.880	28.940	18.5	21.9	21.7	26.0	13.0	19.5	39	2	16	18	18	88	84	83	.091	.104	.102	1.95	.53	9.1	8.4	8.0	8.4
March	29.294	29.860	28.235	24.8	29.0	28.3	35.1	20.0	27.6	49	0	21	22	23	84	73	81	.120	.124	.132	2.88	.88	7.2	7.6	7.5	7.3
April	29.269	29.813	28.700	38.3	44.0	42.4	49.3	33.2	41.2	72	11	32	33	32	78	66	68	.183	.193	.183	2.00	1.04	6.8	5.1	5.3	5.6
May	29.269	29.690	28.720	50.5	60.7	58.6	66.0	43.0	54.5	84	30	40	42	43	69	53	59	.257	.275	.292	3.06	1.53	4.6	4.3	4.5	4.3
June	29.270	29.620	28.900	64.9	70.8	68.8	75.4	57.8	66.6	93	45	57	59	57	73	67	67	.485	.512	.476	2.84	1.58	4.5	4.1	4.3	4.2
July	29.327	29.565	29.090	67.7	74.8	73.6	79.1	60.3	69.7	89	51	60	60	58	76	63	60	.518	.530	.502	1.44	.43	4.4	4.5	4.1	4.1
August	29.303	29.510	28.940	62.6	69.6	67.2	73.4	57.1	65.2	85	46	57	57	56	82	66	67	.477	.486	.454	3.38	1.75	5.9	4.9	4.8	4.8
September	29.388	29.711	28.970	57.3	66.6	62.5	69.0	52.9	61.0	84	37	53	54	56	86	67	78	.423	.454	.459	3.42	2.02	5.6	5.4	6.1	5.7
October	29.459	29.798	28.740	44.8	53.2	49.8	55.8	41.1	48.4	70	29	40	42	41	85	67	72	.266	.277	.269	3.85	2.00	5.0	4.8	4.8	5.0
November	29.362	29.740	28.830	37.1	43.6	41.3	46.2	33.4	39.8	58	25	33	35	35	84	72	79	.187	.207	.208	.87	.37	6.1	6.7	6.4	6.9
December	29.315	29.820	28.620	35.4	38.0	38.0	41.7	31.9	36.8	49	16	31	32	32	83	79	79	.173	.183	.184	1.88	.87	7.4	7.7	6.1	7.7
Year	29.337	30.020	28.235	43.9	50.0	48.4	54.0	38.7	46.3	93	0	39	40	40	82	70	73	.275	.290	.282	29.14	2.02	6.3	6.1	5.9	6.1

Annual meteorological summary for the year ending December 31, 1923—Continued

FORT WORTH, TEX.

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

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorms	Auroras
	Miles		*Mi.*																									
January	10.0	S.	35	S.	0	7	7	6	9	13	8	5	7	0	15	5	11	6	6	1	1	0	2	0	0	3	5	0
February	8.7	N.	29	S.	0	13	7	4	7	6	3	4	12	0	6	4	18	12	9	2	0	0	4	1	0	7	3	0
March	11.6	SE.	42	SW.	1	6	3	2	15	11	4	6	14	1	14	8	9	8	8	0	0	0	0	0	0	3	2	0
April	10.2	SE.	39	W.	0	6	5	11	16	4	5	8	5	0	8	12	10	11	9	0	0	1	1	0	1	0	9	0
May	11.4	E.	39	S.	0	9	3	12	11	11	1	6	8	1	12	15	4	8	3	0	0	1	0	0	6	0	7	0
June	10.4	E.	34	W.	0	4	8	19	19	5	0	1	4	0	10	16	4	7	6	0	0	0	0	0	16	0	9	0
July	7.5	E.	31	W.	0	1	9	17	10	18	4	3	0	0	10	18	3	2	2	0	0	0	0	0	27	0	5	0
August	8.4	SE.	28	E.	0	6	7	15	14	14	1	4	1	0	17	12	2	4	4	0	0	0	1	0	26	0	5	0
September	8.0	E.	35	SE.	0	5	4	19	12	7	4	2	4	3	11	13	6	4	4	0	0	0	0	0	14	0	3	0
October	7.7	E.	38	NW.	0	12	15	10	3	1	1	11	9	0	7	11	13	12	7	0	0	0	0	0	1	0	6	0
November	8.4	W.	26	SW.	0	5	5	4	10	6	7	13	9	1	11	8	11	6	5	1	0	0	0	0	0	0	2	0
December	9.4	NW.	30	S.	0	6	3	5	5	16	5	7	15	0	6	12	13	12	12	0	0	0	2	1	0	4	0	0
Year	9.3	E.	42	SW.	1	80	76	124	131	112	43	70	88	6	127	134	104	92	75	4	1	2	10	2	91	17	56	0

FRESNO, CALIF.

[H_b=327 ft.; h_t=89 ft.; h_r=82 ft.; h_a=98 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	4.6	NW.	24	SE.	0	5	4	7	11	3	1	0	25	6	6	7	18	7	5	0	0	0	8	0	0	2	0	0
February	4.7	NW.	18	NW.	0	4	2	6	10	2	0	3	24	5	17	6	5	4	3	0	0	0	5	0	0	3	0	0
March	5.9	NW.	42	NW.	1	7	3	12	4	2	1	1	31	1	23	1	7	1	1	0	0	0	1	0	0	0	0	0
April	7.2	NW.	32	NW.	0	2	5	10	6	2	0	0	31	4	13	6	11	10	10	0	0	0	0	0	0	0	4*	0
May	10.1	NW.	35	NW.	0	1	2	2	2	1	0	1	53	0	25	3	3	2	2	0	0	0	0	0	5	0	1	0
June	9.9	NW.	33	NW.	0	0	0	0	0	0	0	4	56	0	24	3	3	0	0	0	0	0	0	0	6	0	0	0
July	8.9	NW.	26	NW.	0	1	0	0	0	0	1	2	56	2	30	1	0	0	0	0	0	0	0	0	26	0	0	0
August	8.9	NW.	23	NW.	0	0	0	0	0	0	0	1	60	1	27	3	1	0	0	0	0	0	0	0	27	0	0	0
September	6.3	NW.	26	NW.	0	3	3	2	3	2	1	4	40	2	24	4	2	3	2	0	0	0	0	0	17	0	0	0
October	6.3	NW.	28	NW.	0	1	2	3	4	0	3	1	39	9	24	5	2	1	1	0	0	0	0	0	1	0	0	0
November	3.3	NW.	14	NW.	0	2	3	8	14	3	1	6	17	6	23	3	4	1	1	0	0	0	3	0	0	0	0	0
December	5.0	NW.	37	NW.	0	1	6	10	6	7	6	2	22	2	16	10	5	6	3	0	0	0	2	0	0	5	0	0
Year	6.8	NW.	42	NW.	1	27	30	60	60	22	14	25	454	38	252	52	61	35	28	0	0	0	19	0	82	10	5	0

GALVESTON, TEX.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	11.6	SE.	36	NW.	0	6	4	2	32	9	2	2	5	0	14	8	9	5	4	0	0	0	3	0	0	0	3	0
February	13.3	SE.	41	N.	1	11	11	7	14	6	1	2	4	0	4	6	18	9	6	0	0	0	5	0	0	3	2	0
March	13.5	SE.	39	NW.	0	11	3	10	24	4	1	2	7	0	12	6	13	11	6	0	0	0	3	0	0	1	3	0
April	12.3	SE.	39	SE.	0	9	4	15	20	7	3	1	1	0	9	8	13	9	5	0	0	0	1	0	0	0	4	0
May	12.4	SE.	43	SE.	1	5	0	3	29	16	0	2	6	1	15	14	2	5	5	0	0	1	0	0	0	0	6	0
June	11.1	SE.	28	SE.	0	1	4	4	32	15	2	1	0	1	11	15	4	12	8	0	0	0	0	0	0	0	8	0
July	9.5	S.	31	SE.	0	4	3	7	6	26	7	7	2	0	8	15	8	10	9	0	0	0	0	0	2	0	9	0
August	9.4	S.	32	W.	0	1	2	1	16	30	6	3	3	0	8	19	4	9	8	0	0	0	0	0	1	0	7	0
September	8.8	SE.	33	SE.	0	12	1	13	20	9	1	2	2	0	12	8	10	10	7	0	0	0	0	0	0	0	10	0
October	11.6	E.	37	E.	0	22	14	17	4	0	0	1	2	2	15	6	10	7	5	0	0	0	0	0	0	0	1	0
November	10.4	E.	32	NW.	0	17	7	15	3	6	0	3	9	0	6	14	10	9	6	0	0	0	2	0	0	0	0	0
December	12.0	SE.	36	NW.	0	11	7	8	11	9	4	6	6	0	3	8	20	13	11	0	0	0	3	0	0	0	3	0
Year	11.3	SE.	43	SE.	2	110	60	102	211	137	27	32	47	4	117	127	121	109	80	0	0	1	17	0	3	4	56	0

GRAND HAVEN, MICH.

[H_b=632 ft.; h_t=54 ft.; h_r=49 ft.; h_a=89 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	12.9	E.	43	W.	4	7	7	13	7	6	1	5	16	0	1	2	28	15	9	23	14	0	1	17	0	31	0	0
February	14.3	W.	56	W.	2	6	3	7	3	6	4	14	13	0	2	6	20	19	13	23	19	0	2	20	0	28	0	0
March	15.2	NW.	56	W.	5	10	3	5	4	12	2	12	13	1	5	6	20	20	14	19	16	0	0	8	0	27	1	0
April	14.0	S.	40	S.	1	7	5	8	3	11	9	11	9	0	9	10	11	11	10	7	6	0	1	0	0	15	2	0
May	10.5	E.	44	NW.	1	10	6	19	5	7	2	6	7	0	13	10	8	8	8	2	2	0	1	0	0	3	2	0
June	9.6	S.	44	W.	2	5	3	5	0	15	11	15	6	0	14	11	5	10	9	0	0	0	0	0	1	0	8	0
July	7.2	W.	25	NW.	0	8	3	7	6	7	8	10	13	0	13	14	4	8	6	0	0	0	0	0	0	0	6	0
August	8.2	NW.	38	W.	0	10	3	7	2	5	14	7	14	0	12	15	4	11	9	0	0	0	0	0	0	0	7	0
September	8.4	W.	35	SW.	0	10	6	9	5	7	5	11	7	0	10	10	10	12	9	0	0	0	0	0	0	0	3	0
October	10.1	W.	42	NW.	1	10	2	5	5	8	7	13	12	0	12	8	11	6	6	2	1	0	0	0	0	6	0	0
November	11.6	N.	36	W.	0	9	3	7	8	8	7	8	10	0	8	3	19	9	6	5	2	0	0	0	0	14	0	0
December	14.2	W.	52	W.	4	11	6	5	5	7	9	15	4	0	4	7	20	11	9	8	6	0	1	2	0	12	0	0
Year	11.3	W.	56	W.	20	103	50	94	53	99	79	127	124	1	108	102	160	140	108	89	66	0	6	47	1	136	29	0

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1923—Continued

GRAND JUNCTION, COLO.

[ϕ=39° 04′ N.; λ=108° 34′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	25.423	25.900	25.010	26.5	40.3	38.3	45.3	21.7	33.5	53	3	21	23	23	81	50	55	0.111	0.122	0.123	0.70	0.56	2.8	4.9	4.8	4.6
February	25.448	25.850	24.940	25.8	40.6	40.7	46.1	23.0	34.6	58	12	19	21	23	73	46	50	.099	.113	.122	.19	.11	2.9	4.4	4.5	4.2
March	25.360	25.800	24.907	29.2	43.8	45.7	49.8	26.1	38.0	67	10	22	23	22	72	46	41	.116	.125	.120	1.80	.64	4.4	5.5	4.9	5.1
April	25.259	25.550	24.750	42.3	57.8	58.0	62.3	39.8	51.0	76	32	29	28	30	60	34	38	.162	.156	.166	.84	.37	5.7	6.4	6.4	6.3
May	25.259	25.640	24.931	51.9	69.7	71.8	75.0	49.6	62.3	87	33	33	31	29	58	26	28	.195	.175	.163	.62	.23	4.4	5.3	5.4	5.0
June	25.257	25.510	24.970	59.4	80.2	82.8	85.6	55.6	70.6	96	39	31	29	27	36	16	14	.180	.162	.149	.02	.02	2.1	3.0	3.2	2.8
July	25.388	25.560	25.200	67.4	86.0	87.5	92.2	66.1	79.2	99	50	52	51	51	59	32	31	.393	.384	.380	.62	.18	3.4	4.7	5.9	4.8
August	25.430	25.600	25.234	62.0	79.1	80.7	85.1	60.5	72.8	92	55	51	51	50	69	40	37	.383	.381	.369	1.56	.46	5.0	5.6	6.1	5.7
September	25.419	25.640	25.020	53.2	70.8	71.7	76.6	51.4	64.0	92	40	41	42	42	65	39	38	.259	.274	.274	.71	.26	3.6	3.9	4.9	4.1
October	25.390	25.660	24.969	40.6	57.6	55.9	62.5	37.4	50.0	77	29	30	32	34	67	49	44	.171	.188	.195	.66	.56	2.5	3.9	4.3	3.7
November	25.491	25.780	25.110	31.8	47.9	46.1	52.5	29.7	41.1	60	20	26	29	30	77	49	54	.140	.160	.168	.83	.67	2.9	3.5	2.7	2.9
December	25.448	25.900	24.750	22.8	35.7	33.8	40.5	19.4	30.0	52	6	19	25	24	86	64	67	.104	.132	.129	.98	.46	4.8	4.2	3.4	4.5
Year	25.381	25.900	24.750	42.7	59.1	59.4	64.5	40.0	52.3	99	3	31	32	32	66	40	41	.193	.198	.196	9.85	.67	3.7	4.6	4.7	4.5

GRAND RAPIDS, MICH.

[ϕ=42° 58′ N.; λ=85° 40′ W.]

Month	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
January	29.268	29.950	28.720	25.1	28.5	27.2	31.8	20.6	26.2	44	3	20	22	21	80	74	76	0.111	0.116	0.113	1.25	0.52	9.7	8.8	7.8	8.4
February	29.360	29.810	28.850	18.2	22.7	21.7	26.1	13.2	19.6	40	0	14	16	16	83	74	77	.085	.095	.094	.99	.27	8.7	7.4	6.2	7.0
March	29.220	29.800	28.172	25.5	31.2	29.4	36.9	20.5	28.7	57	0	20	22	21	79	68	71	.115	.124	.122	2.36	.61	7.1	7.6	7.6	8.8
April	29.194	29.760	28.600	40.0	51.1	47.8	55.1	34.9	45.0	80	14	31	33	32	70	52	55	.176	.195	.185	2.19	1.11	5.9	6.1	5.6	6.0
May	29.198	29.630	28.623	54.7	65.2	62.3	69.1	44.5	56.8	84	30	39	40	42	64	44	49	.246	.266	.273	3.70	2.39	5.5	4.7	5.3	5.1
June	29.200	29.530	28.810	67.2	79.2	75.6	82.8	60.7	71.8	98	45	59	60	58	75	53	56	.508	.532	.507	1.57	.55	4.2	4.7	5.0	4.8
July	29.264	29.520	29.020	68.7	81.0	78.9	84.5	62.2	73.4	93	54	59	58	58	71	48	50	.503	.494	.485	.95	.43	5.7	4.8	4.5	5.0
August	29.234	29.430	28.900	63.3	74.1	71.7	78.7	57.8	68.2	91	44	56	55	55	77	54	58	.464	.454	.454	2.07	.96	6.4	5.9	5.6	5.9
September	29.321	29.670	28.940	57.8	69.2	63.9	71.8	54.1	63.0	86	42	53	54	56	84	69	74	.418	.450	.462	5.77	2.55	6.3	6.6	6.8	6.6
October	29.387	29.750	28.610	43.8	55.3	50.9	58.3	40.9	49.6	77	30	38	39	39	80	56	64	.238	.246	.248	3.30	1.72	5.6	6.7	4.7	6.1
November	29.292	29.690	28.747	36.2	44.5	41.8	47.4	33.4	40.4	60	26	31	33	34	81	66	74	.175	.193	.198	1.09	.37	7.1	7.2	6.9	6.9
December	29.240	29.740	28.570	33.7	38.8	37.4	42.4	30.8	36.6	52	18	29	34	31	83	72	77	.164	.171	.175	2.18	1.05	7.6	8.1	6.8	8.1
Year	29.265	29.950	28.172	44.5	53.4	50.7	57.1	39.5	48.3	98	6	37	39	39	77	60	65	.267	.278	.276	27.52	2.55	6.6	6.6	6.0	6.4

GREEN BAY, WIS.

[ϕ=44° 31′ N.; λ=88° 00′ W.]

Month	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
January	29.359	30.000	28.690	17.3	22.9	21.6	26.5	12.4	19.4	42	−2	14	17	17	85	76	79	0.055	0.094	0.093	1.73	0.43	7.9	6.7	7.1	7.8
February	29.450	29.990	28.960	7.6	15.6	15.6	20.8	3.0	11.9	41	−19	4	9	11	82	74	78	.058	.072	.075	.91	.43	6.5	5.1	5.5	6.2
March	29.313	29.940	28.515	17.2	25.0	24.7	30.5	13.7	22.1	52	−5	13	18	19	81	73	77	.084	.105	.109	2.93	.77	5.8	4.7	6.4	6.0
April	29.279	29.790	28.705	35.0	44.6	43.9	49.0	31.3	40.4	78	15	28	30	32	76	59	65	.162	.175	.188	2.33	1.05	5.7	4.2	5.0	5.4
May	29.301	29.720	28.850	49.5	61.2	59.2	66.0	44.5	55.2	83	30	39	38	40	68	46	50	.240	.239	.251	1.50	.89	4.7	4.0	4.3	5.0
June	29.259	29.621	28.860	64.6	74.3	73.0	78.5	59.3	68.9	94	45	58	57	58	78	57	60	.492	.490	.492	2.53	.80	5.3	5.3	5.7	5.6
July	29.341	29.583	29.110	65.6	76.7	75.6	81.0	61.5	71.2	95	55	59	60	60	80	59	61	.505	.525	.533	3.31	.90	5.1	5.8	5.5	5.9
August	29.315	29.580	29.010	60.0	70.5	68.5	74.7	55.9	65.3	87	44	54	53	54	80	56	63	.418	.420	.437	3.65	1.31	5.1	6.7	6.3	7.0
September	29.395	29.690	28.970	54.1	65.0	61.4	67.8	51.8	59.8	81	34	51	52	53	90	65	74	.395	.420	.417	1.48	.61	5.3	6.7	6.2	7.2
October	29.467	29.810	28.920	40.9	52.5	49.0	55.8	39.2	47.5	76	24	37	36	38	84	56	66	.229	.223	.240	1.98	1.09	5.7	5.4	4.5	5.8
November	29.355	29.720	28.770	33.8	42.1	39.8	45.5	31.6	38.6	60	19	29	32	31	82	67	72	.162	.181	.177	.60	.50	6.2	6.9	6.4	7.3
December	29.311	29.810	28.580	29.3	34.6	33.6	37.9	26.1	32.0	49	−2	25	27	27	84	73	76	.137	.147	.149	1.19	.36	7.0	6.6	5.4	6.7
Year	29.346	30.000	28.515	39.6	48.8	47.2	52.8	35.9	44.4	95	−19	34	36	37	81	63	68	.247	.258	.263	24.14	1.31	5.9	5.7	5.7	6.3

GREENVILLE, S. C.

[ϕ=34° 50′ N.; λ=82° 24′ W.]

Month	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
January	29.009	29.410	28.570	40.0	49.2	46.7	53.9	37.3	45.6	67	27	33	34	34	77	59	64	0.196	0.202	0.202	2.68	1.70	5.4	5.5	4.3	5.5
February	29.038	29.360	28.690	36.8	45.8	45.0	52.1	34.4	43.2	73	16	30	33	32	79	64	62	.194	.212	.207	4.62	1.68	5.4	5.5	4.8	5.6
March	28.972	29.390	28.255	47.0	57.3	54.3	62.8	42.1	53.0	76	22	39	42	39	74	59	60	.254	.287	.262	5.81	1.93	5.0	5.2	4.4	5.2
April	28.910	29.480	28.450	53.2	62.7	61.9	68.9	48.3	58.6	88	26	45	46	46	76	60	61	.319	.332	.331	5.77	1.39	5.0	5.8	3.9	4.8
May	28.849	29.120	28.560	61.1	68.8	66.6	73.4	56.7	65.0	84	40	54	54	55	80	63	69	.442	.444	.446	5.79	1.62	6.9	6.6	6.0	6.5
June	28.911	29.150	28.550	70.8	81.3	76.8	85.5	66.0	75.8	96	57	63	60	62	78	51	63	.589	.536	.569	1.73	.34	4.9	4.0	6.2	4.9
July	28.927	29.200	28.660	72.8	82.1	78.7	86.0	68.3	77.2	95	62	65	64	65	79	56	65	.631	.597	.624	6.21	2.48	4.5	5.3	5.5	5.2
August	28.931	29.080	28.780	72.1	81.6	76.1	85.4	68.0	76.7	93	59	68	67	68	86	62	78	.681	.663	.690	11.17	4.24	5.7	4.7	5.5	5.4
September	28.990	29.360	28.780	68.0	78.1	73.7	82.1	64.6	73.4	89	54	62	62	62	83	59	69	.577	.566	.578	1.41	1.04	4.3	3.9	3.6	4.0
October	29.000	29.285	28.520	55.0	66.6	62.8	70.6	52.1	61.4	82	35	46	48	47	73	53	59	.323	.341	.336	.51	.30	4.8	4.1	3.9	4.0
November	28.984	29.380	28.680	43.5	54.8	50.9	58.5	40.8	49.6	69	29	37	38	38	78	56	63	.226	.238	.232	4.39	2.62	4.5	4.0	4.0	4.0
December	29.008	29.621	28.350	45.4	53.5	52.0	57.5	42.4	50.0	70	27	41	43	43	85	70	73	.278	.298	.296	4.59	2.25	5.1	5.9	5.4	6.1
Year	28.961	29.621	28.255	55.5	65.2	62.1	69.7	51.3	60.3	96	16	49	49	49	79	59	66	.392	.393	.398	54.68	4.24	5.1	5.0	4.7	5.1

Annual meteorological summary for the year ending December 31, 1923—Continued

GRAND JUNCTION, COLO.

[H_b=4,602 ft.; h_t=60 ft.; h_r=52 ft.; h_a=68 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	4.9	SE.	35	S.	0	6	2	4	13	6	8	12	11	0	12	12	7	4	3	5	4	0	2	1	0	27	0	0
February	5.5	SE.	38	SW.	0	7	3	0	17	3	3	2	21	0	16	4	8	5	2	7	4	0	0	1	0	28	0	0
March	6.1	SE.	32	NW.	0	11	5	5	12	5	4	8	12	0	11	9	11	7	7	8	6	0	0	2	0	23	1	0
April	7.4	SE.	38	S.	0	12	3	7	13	6	3	5	11	0	7	11	12	9	5	3	1	1	0	0	0	1	5	0
May	6.8	SE.	42	S.	1	10	2	3	19	2	7	6	13	0	11	11	9	5	4	0	0	1	0	0	0	0	3	0
June	8.1	SE.	42	SW.	2	7	3	11	16	8	7	4	4	0	20	7	3	1	0	0	0	0	0	0	7	0	2	0
July	6.1	SE.	30	NW.	0	9	6	8	20	6	3	2	8	0	7	19	5	9	6	0	0	0	0	0	23	0	15	0
August	6.0	SE.	35	SE.	0	14	3	4	19	9	3	3	7	0	7	13	11	12	10	0	0	0	0	0	6	0	14	0
September	5.8	SE.	38	SE.	0	12	0	7	25	4	2	4	6	0	14	9	7	5	4	0	0	0	0	0	2	0	4	0
October	5.2	SE.	42	SW.	2	12	2	8	17	4	1	4	14	0	16	10	5	4	2	0	0	0	0	0	0	7	5	0
November	4.0	SE.	18	S.	0	4	2	4	11	6	7	10	16	0	21	3	6	3	2	1	1	0	0	0	0	22	0	0
December	3.8	NW.	24	NW.	0	6	1	6	7	8	9	10	15	0	16	6	9	6	4	8	5	0	0	3	0	31	0	0
Year	5.8	SE.	42	SW.	5	110	32	67	189	67	57	70	138	0	158	114	93	70	49	32	21	2	2	7	38	139	49	0

GRAND RAPIDS, MICH.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	7.4	W.	30	W.	0	1	6	9	13	5	1	13	14	0	1	7	23	14	7	22	13	0	1	17	0	31	0	0
February	7.1	W.	36	W.	0	2	2	8	10	4	5	18	7	0	6	6	15	16	7	23	15	0	2	20	0	28	0	0
March	8.5	W.	33	W.	0	2	3	13	7	5	5	24	3	0	5	10	16	16	11	19	12	0	0	8	0	27	1	0
April	7.2	W.	27	W.	0	2	5	8	8	7	6	14	10	0	7	12	11	11	8	6	5	0	0	0	0	14	2	0
May	6.3	E.	26	W.	0	0	1	31	11	4	1	10	4	0	11	10	10	7	7	3	2	0	0	0	0	2	3	0
June	5.4	W.	25	W.	0	0	1	4	6	9	11	20	7	2	12	12	6	7	6	0	0	0	0	0	8	0	7	0
July	4.4	E.	17	W.	0	2	0	20	5	6	1	25	3	0	8	14	9	6	4	0	0	0	0	0	6	0	4	0
August	4.6	W.	22	W.	0	1	0	12	6	2	8	28	3	2	4	17	10	10	10	0	0	0	0	0	2	0	6	0
September	4.5	E.	20	W.	0	1	10	13	10	6	1	10	8	1	5	13	12	10	7	0	0	0	0	0	0	0	3	0
October	4.7	W.	24	W.	0	3	5	7	6	5	7	16	11	2	7	12	12	7	6	2	1	0	0	0	0	4	0	0
November	5.5	NW.	19	NW.	0	5	1	6	9	14	5	7	13	0	9	1	20	8	6	5	1	0	1	0	0	13	0	0
December	6.6	W.	30	W.	0	2	8	5	9	10	8	12	8	0	4	3	24	13	8	8	5	0	1	1	0	19	0	0
Year	6.0	W.	36	W.	0	21	42	136	100	77	59	197	91	7	79	117	169	125	87	88	54	0	5	46	16	138	26	0

GREEN BAY, WIS.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	10.4	W.	48	W.	1	7	11	2	9	11	9	5	8	0	4	7	20	12	10	15	12	0	0	26	0	30	0	0
February	12.3	SW.	52	SW.	3	4	5	3	1	13	14	10	6	0	7	13	8	10	4	12	10	0	0	22	0	28	0	0
March	14.9	S.	60	N.	6	9	4	1	5	14	12	9	8	0	9	10	12	13	13	14	12	0	0	16	0	30	0	0
April	12.0	S.	34	N.	0	15	7	2	7	13	5	7	4	0	12	9	9	9	7	7	6	0	0	1	0	17	0	0
May	10.8	SE.	48	SE.	3	8	9	8	16	12	3	0	6	0	11	13	7	5	5	1	1	0	0	0	0	4	1	0
June	9.4	S.	42	N.	2	7	7	2	8	18	11	4	3	0	10	12	8	13	9	0	0	0	0	0	4	0	8	0
July	8.3	S.	42	N.	1	7	9	2	13	15	7	2	7	0	8	14	9	11	9	0	0	0	2	0	4	0	6	0
August	9.0	S.	35	NW.	0	8	5	2	13	11	6	7	10	0	4	12	15	9	8	0	0	0	2	0	0	0	2	0
September	9.5	S.	34	NE.	0	4	6	8	15	10	7	5	5	0	2	14	14	9	8	0	0	1	6	0	0	0	2	0
October	9.7	S.	34	W.	0	5	4	1	10	18	10	5	9	0	11	8	12	8	7	0	0	0	2	0	0	7	0	0
November	11.4	S.	34	S.	0	6	2	1	11	17	10	6	7	0	6	5	19	6	3	4	1	0	1	2	0	19	0	0
December	13.1	S.	46	NE.	2	8	7	2	2	20	10	12	1	0	7	10	14	9	7	7	4	0	2	4	0	24	0	0
Year	10.9	S.	60	N.	18	88	76	34	110	172	104	72	74	0	91	127	147	114	90	60	46	1	15	71	8	159	19	0

GREENVILLE, S. C.

[H_b=1,039 ft.; h_t=113 ft.; h_r=102 ft.; h_a=122 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	8.8	NE.	42	NW.	1	5	14	8	1	6	9	13	5	1	11	7	13	10	7	0	0	0	5	0	0	7	1	0
February	8.8	SW.	31	N.	0	3	12	7	1	5	14	8	6	0	10	5	13	11	9	1	0	0	4	1	0	12	0	0
March	9.7	SW.	46	SW.	3	9	12	5	5	5	10	11	5	0	12	7	12	9	9	0	0	0	1	0	0	3	2	0
April	8.5	SW.	46	N.	2	7	9	10	3	12	10	6	3	0	12	10	8	14	14	0	0	1	1	0	0	2	6	0
May	9.3	NE.	38	W.	0	3	18	10	1	8	10	9	2	1	6	8	17	16	14	0	0	0	0	0	0	0	9	0
June	7.7	W.	48	W.	2	5	7	6	6	7	9	18	1	1	10	15	5	8	6	0	0	1	0	0	5	0	6	0
July	6.7	NE.	35	W.	0	7	12	7	5	7	4	16	4	0	8	15	8	11	9	0	0	0	0	0	5	0	9	0
August	6.1	SW.	38	NW.	0	3	10	10	2	7	12	9	7	2	8	15	8	13	11	0	0	0	3	0	7	0	14	0
September	6.6	NE.	31	N.	0	9	20	5	6	3	3	9	5	0	14	13	3	9	6	0	0	0	0	0	0	0	8	0
October	7.0	NE.	23	W.	0	18	16	9	4	3	2	5	4	1	16	8	7	4	4	0	0	0	0	0	0	0	1	0
November	8.2	NE.	32	N.	0	7	19	4	1	2	5	14	8	0	16	7	7	7	6	0	0	0	1	0	0	2	0	0
December	9.1	SW.	37	SW.	0	1	17	6	1	4	14	14	5	0	10	6	15	12	9	0	0	0	5	0	0	4	0	0
Year	8.0	NE.	48	W.	8	77	166	87	36	69	102	132	55	6	133	116	116	124	104	1	0	2	20	1	17	30	56	0

Annual meteorological summary for the year ending December 31, 1923—Continued

GROESBECK, TEX.

[ϕ=31° 30′ N.; λ=96° 28′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Dew point: 8 a. m.	Dew point: Noon, local time	Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Relative humidity: Noon, local time	Relative humidity: 8 p. m.	Vapor pressure: 8 a. m.	Vapor pressure: Noon, local time	Vapor pressure: 8 p. m.	Precipitation: Total	Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.585	30.110	29.220	49.5	63.4	----	68.2	45.9	57.0	78	29	43	45	----	78	55	----	0.312	0.333	----	1.74	1.08	5.0	5.3	----	5.0
February	29.696	30.170	29.260	43.3	49.7	----	55.0	40.4	47.7	78	17	41	42	----	90	78	----	.280	.290	----	4.09	1.09	6.8	7.6	----	7.4
March	29.557	30.050	28.920	47.6	57.0	----	63.4	43.9	53.6	77	20	42	42	----	82	60	----	.298	.296	----	3.70	1.57	5.5	5.2	----	5.0
April	29.459	29.850	29.092	59.2	70.9	----	75.1	57.3	66.2	86	43	56	56	----	89	60	----	.498	.466	----	5.41	3.82	6.8	5.7	----	5.9
May	29.362	29.797	28.920	66.2	79.8	----	84.1	63.2	73.6	92	50	60	59	----	82	51	----	.539	.530	----	.46	.18	4.6	4.4	----	4.2
June	29.437	29.600	29.190	74.3	86.8	----	91.1	70.9	81.0	97	64	70	67	----	86	54	----	.731	.671	----	.18	.15	4.4	5.8	----	4.5
July	29.494	29.690	29.270	75.7	90.8	----	95.9	73.1	84.5	101	66	69	65	----	80	43	----	.711	.611	----	.14	.08	5.0	5.6	----	4.7
August	29.498	29.630	29.290	74.8	90.9	----	95.7	73.0	84.4	102	64	69	64	----	83	42	----	.721	.597	----	2.13	1.71	3.8	3.3	----	3.8
September	29.508	29.660	29.320	70.1	84.6	----	87.6	68.5	78.0	94	59	64	66	----	93	55	----	.686	.644	----	2.27	1.14	5.0	5.6	----	5.4
October	29.569	29.960	29.040	57.3	71.0	----	74.2	55.6	64.9	90	40	54	53	----	90	56	----	.442	.439	----	5.24	1.89	5.7	5.5	----	5.8
November	29.631	29.890	29.210	48.1	60.9	----	64.6	46.9	55.8	75	37	45	45	----	89	58	----	.308	.310	----	2.44	.73	6.2	5.5	----	5.7
December	29.591	30.100	29.180	48.5	54.2	----	59.3	46.1	52.7	79	25	46	46	----	91	76	----	.335	.341	----	8.45	2.19	8.3	7.8	----	8.0
Year	29.532	30.170	28.920	59.6	71.7	----	76.2	57.1	66.6	102	17	55	54	----	86	57	----	.486	.461	----	36.25	3.82	5.6	5.6	----	5.4

HANNIBAL, MO.

[ϕ=39° 41′ N.; λ=91° 20′ W.]

Month	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	9 p. m.	Daylight
January	29.472	30.100	28.970	32.3	38.3	----	43.9	29.1	36.5	58	16	26	27	----	75	64	----	0.141	0.149	----	0.75	0.44	5.3	6.6	----	6.5
February	29.654	30.319	28.950	22.8	28.8	----	34.7	19.4	27.0	49	−2	17	18	----	76	64	----	.105	.112	----	.53	.30	3.4	6.3	----	7.7
March	29.458	30.060	28.380	31.7	40.7	----	48.0	27.5	37.8	71	0	23	27	----	70	59	----	.133	.157	----	4.24	2.28	5.1	5.3	----	5.0
April	29.387	29.870	28.750	45.4	56.1	----	63.0	42.1	52.6	80	29	36	37	----	69	52	----	.219	.226	----	2.38	.88	5.7	6.7	----	5.5
May	29.331	29.600	28.710	55.8	67.8	----	72.1	52.9	62.5	86	36	48	49	----	76	52	----	.356	.369	----	2.05	.74	6.0	7.4	----	6.5
June	29.367	29.680	28.940	68.7	79.4	----	82.7	64.7	73.7	96	51	63	61	----	82	55	----	.533	.552	----	5.25	2.43	3.9	5.7	----	4.9
July	29.418	29.630	29.240	71.3	84.4	----	88.7	67.7	78.2	96	60	64	63	----	77	51	----	.595	.583	----	.87	.32	3.1	5.0	----	3.8
August	29.403	29.650	29.200	68.3	80.4	----	85.5	65.7	75.6	98	50	63	64	----	84	59	----	.594	.616	----	7.29	2.77	4.7	5.1	----	4.6
September	29.459	29.780	29.070	60.9	72.3	----	76.4	58.5	67.4	87	43	57	58	----	89	63	----	.493	.503	----	3.69	1.07	6.3	7.2	----	6.1
October	29.600	29.910	28.981	44.0	57.4	----	60.9	42.3	51.6	78	24	39	39	----	83	53	----	.255	.252	----	2.41	.82	4.6	5.3	----	4.7
November	29.523	29.840	28.990	37.8	49.3	----	53.2	35.9	44.6	71	24	33	35	----	81	58	----	.190	.208	----	1.91	1.07	4.1	5.1	----	5.1
December	29.481	30.060	28.800	36.6	43.5	----	47.9	32.4	40.2	61	2	30	33	----	77	68	----	.176	.201	----	2.31	1.28	5.9	7.4	----	6.9
Year	29.463	30.319	28.380	48.0	58.2	----	63.1	44.8	54.0	98	−2	42	43	----	78	58	----	.320	.327	----	33.68	2.77	5.0	6.1	----	5.4

HARRISBURG, PA.

[ϕ=40° 16′ N.; λ=76° 52′ W.]

Month	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	9 p. m.	Daylight
January	29.688	30.400	29.130	29.3	32.6	32.0	36.6	25.9	31.2	47	13	22	22	24	74	66	72	0.121	0.124	0.131	3.14	1.07	8.1	7.1	7.2	7.5
February	29.741	30.170	29.240	24.4	29.4	28.8	33.1	20.9	27.0	46	7	17	20	20	74	66	67	.104	.113	.111	1.84	.72	7.5	6.7	5.5	6.9
March	29.648	30.307	28.800	34.1	41.4	39.2	47.5	29.4	38.4	71	14	25	28	27	68	60	62	.146	.167	.156	1.83	.50	5.8	5.5	4.6	5.7
April	29.592	30.270	29.060	45.5	55.6	54.2	61.3	41.3	51.3	82	11	32	32	36	62	44	52	.198	.202	.223	1.74	.84	4.9	5.0	5.0	5.6
May	29.566	29.939	29.000	56.1	66.6	65.1	72.9	50.5	61.7	84	34	41	41	44	58	41	49	.273	.274	.297	3.14	1.26	4.0	5.8	4.2	4.8
June	29.535	29.810	29.050	69.4	78.9	74.7	84.5	63.5	74.0	98	54	56	56	60	65	48	63	.471	.476	.536	2.30	.76	4.3	6.5	6.0	6.2
July	29.617	29.997	29.300	69.9	78.6	76.1	83.5	64.9	74.2	94	54	59	57	59	70	51	59	.514	.487	.516	3.33	1.47	6.0	6.2	5.6	6.0
August	29.605	29.797	29.290	66.9	76.4	73.9	80.8	62.8	71.8	92	49	59	58	61	76	55	65	.514	.505	.551	.73	.38	5.2	5.7	4.8	5.4
September	29.723	30.150	29.450	62.4	71.2	68.6	75.6	58.8	67.2	87	42	56	55	58	81	59	70	.472	.463	.501	4.06	1.50	5.5	5.5	4.7	5.4
October	29.739	30.051	29.190	48.3	58.3	55.1	62.7	45.4	54.0	78	36	40	40	43	75	54	66	.260	.264	.294	2.20	1.75	4.1	5.4	3.4	4.7
November	29.702	30.212	29.140	38.7	45.4	44.4	49.2	36.1	42.6	59	27	31	32	34	73	60	68	.176	.182	.203	1.95	1.03	5.4	5.6	4.9	5.3
December	29.676	30.420	28.860	37.8	43.5	42.2	47.8	35.8	41.8	64	24	30	31	34	73	62	74	.169	.181	.204	3.75	.89	7.0	6.3	5.7	6.6
Year	29.653	30.420	28.800	48.6	56.5	54.5	61.3	44.6	52.9	98	7	39	39	42	71	56	64	.285	.286	.310	30.01	1.75	5.6	5.9	5.1	5.8

HARTFORD, CONN.

[ϕ=41° 46′ N.; λ=72° 40′ W.]

Month	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	9 p. m.	Daylight
January	29.875	30.640	29.230	21.8	25.9	25.5	32.1	17.0	24.6	53	−1	15	17	18	75	67	73	0.097	0.103	0.105	7.77	1.91	7.8	7.2	6.2	7.1
February	29.916	30.460	29.370	18.1	25.3	23.6	29.6	14.1	21.8	43	1	12	14	14	74	69	64	.080	.087	.084	1.62	.44	7.5	6.1	5.0	6.1
March	29.827	30.580	28.860	29.7	36.0	33.7	41.7	24.2	33.0	66	4	20	24	23	66	61	64	.125	.145	.141	2.96	.86	6.1	5.2	5.3	5.4
April	29.772	30.450	29.160	43.9	52.9	49.1	58.4	37.4	47.9	87	11	33	35	34	68	51	57	.206	.221	.206	4.19	1.71	4.7	5.7	4.6	5.8
May	29.774	30.130	29.250	54.8	64.0	59.1	68.9	47.1	58.0	87	34	45	44	43	79	51	57	.309	.302	.288	2.33	1.22	3.5	4.7	4.3	4.5
June	29.685	30.050	29.150	67.3	76.0	70.4	80.6	59.3	70.0	95	48	59	62	58	76	64	67	.517	.584	.498	3.84	1.35	4.9	5.4	5.8	5.9
July	29.827	30.250	29.460	66.8	75.0	71.5	80.1	60.8	70.4	94	51	59	58	59	76	59	68	.503	.494	.513	4.99	2.64	6.0	6.4	5.6	6.5
August	29.804	30.050	29.350	65.1	75.1	69.8	80.5	58.4	69.4	92	46	58	60	58	77	60	68	.487	.523	.511	2.57	1.18	5.0	4.4	3.2	4.7
September	29.930	30.290	29.560	60.5	70.3	64.9	74.4	56.0	65.2	86	40	55	56	56	83	63	75	.452	.477	.475	2.39	1.67	6.3	4.7	5.6	6.1
October	29.920	30.250	29.340	47.8	58.4	53.6	62.9	43.6	53.2	75	34	42	44	44	81	62	72	.277	.303	.301	6.61	5.19	5.3	4.7	4.0	5.1
November	29.888	30.430	29.170	37.3	46.2	43.6	50.8	33.7	42.2	67	23	32	34	34	79	64	71	.182	.203	.205	4.32	2.19	6.1	5.6	4.8	6.1
December	29.858	30.650	29.050	35.5	40.7	38.8	44.9	32.4	38.6	60	20	29	31	31	77	70	73	.165	.186	.182	4.84	2.10	6.8	8.1	5.6	6.8
Year	29.840	30.650	28.860	45.7	53.8	50.3	58.7	40.3	49.5	95	−1	38	40	39	75	61	67	.283	.302	.292	48.43	5.19	5.8	5.7	5.0	5.8

Annual meteorological summary for the year ending December 31, 1923—Continued

GROESBECK, TEX.

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

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	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	S.	41	SW.	2	5	4	0	3	9	7	0	2	1	13	7	11	9	5	0	0	0	0	0	0	2	3	0
February	10.6	N.	39	N.	0	6	9	1	1	5	2	1	3	0	7	0	21	16	14	2	2	0	2	2	0	6	4	0
March	15.1	S.	50	SW.	4	5	4	0	2	11	1	3	5	0	11	9	11	10	9	0	0	0	0	0	0	3	4	0
April	11.4	SE.	53	NE.	2	5	4	2	9	3	2	1	3	1	8	7	15	10	6	0	0	1	0	0	0	0	6	0
May	12.6	SE.	46	SW.	2	7	0	5	5	8	0	4	2	0	12	16	3	5	3	0	0	1	0	0	3	0	5	0
June	10.7	SE.	34	SE.	0	1	3	1	10	13	2	0	0	0	11	16	3	3	1	0	0	0	0	0	20	0	9	0
July	9.5	SW.	50	S.	1	0	2	2	7	1	19	0	0	0	10	19	2	2	2	0	0	0	0	0	27	0	8	0
August	9.4	S.	36	SW.	0	1	1	2	5	9	11	0	1	1	15	13	3	3	3	0	0	0	1	0	29	0	6	0
September	7.5	SE.	32	SE.	0	2	2	4	8	7	3	1	0	3	7	16	7	7	6	0	0	0	0	0	10	0	9	0
October	8.3	N.	41	N.	1	8	5	9	2	0	0	0	6	1	10	6	15	12	9	0	0	0	0	0	1	0	7	0
November	8.8	SE.	32	SW.	0	4	6	2	3	3	3	1	6	2	9	7	14	6	4	0	0	0	1	0	0	0	1	0
December	10.8	N.	39	SW.	0	10	1	0	1	5	5	1	8	0	3	6	22	13	12	0	0	0	0	0	0	3	3	0
Year	10.6	S.	53	NE.	12	54	41	28	56	74	55	12	36	9	116	122	127	96	74	2	2	2	4	2	90	14	65	0

HANNIBAL, MO.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	9.1	NW.	30	S.	0	2	3	4	5	1	6	6	4	0	6	9	16	8	4	1	1	0	1	3	0	24	2	0
February	9.5	NW.	32	NW.	0	1	3	2	4	1	6	3	8	0	9	8	11	6	4	6	2	0	1	11	0	26	0	0
March	11.7	NW.	40	SW.	1	5	2	3	2	3	6	4	6	0	14	5	12	11	8	7	5	0	0	2	0	24	2	0
April	10.7	SW.	38	SW.	0	1	5	2	2	3	10	4	3	0	8	11	11	10	8	3	3	0	0	0	0	4	3	0
May	8.9	E.	32	NW.	0	5	7	8	2	0	4	1	4	0	5	13	13	12	9	1	1	1	0	0	0	0	7	0
June	7.8	S.	48	SW.	1	2	5	2	2	5	10	2	2	0	11	13	6	11	9	0	0	1	0	0	8	0	5	0
July	6.1	SW.	27	NW.	0	1	8	2	2	1	14	2	0	1	17	9	5	6	3	0	0	0	0	0	15	0	3	0
August	6.3	SW.	28	NW.	0	3	8	5	1	0	11	2	1	0	14	8	9	12	6	0	0	0	0	0	8	0	7	0
September	6.8	E.	27	SW.	0	3	7	8	1	2	7	1	1	0	6	12	12	13	10	0	0	0	0	0	0	0	8	0
October	6.1	NW.	24	NW.	0	3	2	6	2	0	9	2	7	0	16	2	13	9	8	0	0	0	1	0	0	6	0	0
November	7.5	SW.	24	SW.	0	2	3	2	1	1	12	4	5	0	12	6	12	9	6	1	1	0	3	0	0	11	0	0
December	8.5	SW.	29	SW.	0	6	1	1	2	2	15	0	4	0	7	6	18	9	6	3	2	0	2	1	0	15	0	0
Year	8.2	SW.	48	SW.	2	34	54	45	26	19	110	31	45	1	125	102	138	116	81	22	15	2	14	17	31	110	37	0

HARRISBURG, PA.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	7.8	W.	30	NW.	0	7	7	3	8	4	6	18	9	0	5	4	22	12	11	16	7	0	0	5	0	27	0	0
February	7.6	W.	38	W.	0	4	9	4	4	4	6	11	14	0	4	10	14	13	10	13	8	0	0	12	0	24	0	0
March	8.4	NW.	40	NW.	1	4	5	2	9	9	2	17	14	0	9	11	11	10	7	3	2	0	2	2	0	19	0	0
April	8.6	W.	35	SW.	0	8	8	1	11	4	10	10	8	0	10	8	12	7	4	2	2	0	0	0	0	4	0	0
May	6.8	NE.	44	SW.	1	6	13	3	6	11	4	8	11	0	13	10	8	9	8	1	1	1	0	0	0	0	4	0
June	6.0	W.	34	NW.	0	3	5	0	2	3	13	21	13	0	6	13	11	12	8	0	0	1	0	0	10	0	10	0
July	5.3	NW.	24	NE.	0	10	11	1	10	5	8	8	9	0	7	13	11	9	9	0	0	0	0	0	4	0	11	0
August	5.0	SW.	26	SW.	0	4	10	3	6	11	12	10	6	0	12	8	11	8	6	0	0	0	1	0	1	0	7	0
September	4.8	NE.	26	NE.	0	8	18	1	13	4	2	8	6	0	8	10	12	12	10	0	0	0	2	0	0	0	3	0
October	5.4	NW.	30	NE.	0	11	9	1	6	2	5	9	19	0	14	8	9	5	5	0	0	0	3	0	0	0	0	0
November	6.0	NW.	27	N.	0	9	15	2	5	1	5	11	12	0	12	4	14	9	7	1	0	0	0	0	0	7	0	0
December	6.4	NW.	38	SW.	0	2	11	3	6	6	12	8	14	0	9	7	15	15	14	6	4	0	2	0	0	7	0	0
Year	6.5	W.	41	SW.	2	76	121	24	86	64	85	139	135	0	109	106	150	121	99	42	24	2	10	19	15	88	35	0

HARTFORD, CONN.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	7.6	NW.	39	NW.	0	18	6	2	1	4	7	4	20	0	8	3	20	17	15	19	14	0	2	15	0	29	0	0
February	7.2	NW.	26	NW.	0	9	6	2	1	5	10	5	18	0	7	11	10	13	11	15	10	0	0	18	0	27	0	0
March	9.9	NW.	35	W.	0	4	3	1	0	15	11	4	24	0	12	7	12	12	8	11	6	0	2	7	0	25	0	1
April	10.2	S.	38	SW.	0	9	11	2	0	14	14	1	9	0	8	11	11	11	10	3	1	1	0	1	0	7	4	0
May	7.9	S.	31	SW.	0	8	12	4	2	17	12	2	5	0	16	7	8	7	4	1	0	0	0	0	0	0	2	0
June	6.8	S.	42	SW.	1	7	8	4	1	16	10	10	4	0	9	7	14	12	11	0	0	1	0	0	6	0	9	0
July	6.0	S.	28	SW.	0	13	11	5	1	19	8	2	3	0	8	6	17	10	6	0	0	1	0	0	2	0	4	1
August	6.9	S.	31	SW.	0	6	7	1	1	28	9	1	9	0	11	12	8	6	6	0	0	0	0	0	3	0	4	0
September	5.5	S.	21	S.	0	8	6	7	1	20	6	2	10	0	10	9	11	8	7	0	0	0	0	0	0	0	4	0
October	7.2	NW.	33	SW.	0	9	11	1	0	11	12	4	13	1	12	11	8	8	8	0	0	0	2	0	0	0	0	1
November	6.7	NW.	28	NW.	0	9	9	3	1	8	12	4	14	0	9	6	15	9	8	2	0	0	1	0	0	13	0	0
December	7.8	NW.	35	SW.	0	9	6	5	1	9	11	3	18	0	6	9	16	14	13	9	5	0	0	3	0	14	0	0
Year	7.5	S.	42	SW.	1	109	96	37	10	166	122	42	147	1	116	99	150	127	107	60	36	3	7	44	11	115	27	3

Annual meteorological summary for the year ending December 31, 1923—Continued

HATTERAS, N. C.

[ϕ=35° 15′ N.; λ=75° 40′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	30.100	30.609	29.520	46.4	51.6	47.6	54.4	42.4	48.4	66	30	41	42	42	82	72	82	0.279	0.288	0.279	4.04	1.27	5.6	5.5	3.4	5.3
February	30.132	30.467	29.710	41.0	46.5	43.6	49.9	37.9	43.9	68	25	38	36	39	85	70	86	.246	.239	.260	2.61	.85	5.3	5.2	4.8	5.5
March	30.075	30.585	29.070	52.1	56.0	53.3	60.6	46.0	53.3	71	32	46	47	46	81	72	78	.336	.346	.340	3.42	.82	6.7	6.1	4.0	5.4
April	30.010	30.620	29.360	58.9	62.5	58.3	66.8	52.4	59.1	76	31	51	51	52	75	67	81	.393	.395	.409	2.58	1.02	4.5	4.4	4.9	4.3
May	29.950	30.180	29.557	68.3	71.0	66.3	73.3	61.9	67.6	80	50	59	59	59	73	67	78	.517	.513	.511	4.13	1.36	5.8	5.1	4.7	5.1
June	29.961	30.213	29.560	76.5	79.7	74.0	81.5	70.2	75.8	85	61	68	68	69	76	70	84	.703	.713	.712	2.12	.93	4.8	4.2	4.5	4.4
July	29.987	30.250	29.680	77.6	80.0	75.8	82.1	71.8	77.0	88	68	71	72	71	81	76	85	.766	.779	.765	11.69	2.18	6.5	6.1	6.3	5.7
August	29.987	30.125	29.790	78.9	81.6	77.2	83.5	73.5	78.5	89	66	73	74	73	82	77	87	.815	.831	.814	5.02	3.01	5.7	5.3	5.4	5.4
September	30.064	30.450	29.690	75.0	78.2	73.1	79.7	69.8	74.8	88	61	68	68	68	79	71	83	.690	.688	.687	3.16	1.22	6.3	5.5	4.3	5.6
October	30.071	30.411	29.470	63.1	67.0	61.8	68.3	58.2	63.2	78	51	56	56	56	78	68	83	.456	.454	.465	5.25	3.24	5.4	5.3	4.5	5.0
November	30.046	30.431	29.650	53.0	57.4	54.0	59.1	48.9	54.0	69	40	47	47	48	82	70	80	.339	.333	.344	3.94	2.03	5.0	5.3	4.9	5.2
December	30.122	30.687	29.540	52.5	56.8	53.3	59.8	47.9	53.8	70	40	46	47	48	81	72	85	.331	.345	.360	3.71	2.76	5.4	5.9	3.4	5.4
Year	30.042	30.687	29.070	62.0	65.7	61.5	68.2	56.7	62.4	89	25	55	56	56	80	71	83	.489	.494	.496	51.68	3.24	5.6	5.2	4.6	5.2

HAVRE, MONT.

[ϕ=48° 34′ N.; λ=109° 40′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	27.246	27.640	26.687	17.2	24.2	20.0	28.6	10.2	19.4	49	−22	14	18	16	86	76	84	0.089	0.103	0.095	1.12	0.57	5.7	5.1	5.9	6.1
February	27.543	28.176	26.980	7.3	19.6	18.4	23.8	3.4	13.6	55	−32	5	13	14	88	75	82	.068	.092	.095	.32	.13	4.7	6.4	6.0	5.8
March	27.330	27.890	26.760	23.6	37.0	36.8	41.6	19.6	30.6	65	0	19	22	24	81	55	61	.101	.116	.127	.11	.04	5.6	4.5	4.9	5.4
April	27.289	27.638	26.900	33.5	50.3	52.8	55.4	31.1	43.2	83	14	28	28	27	80	47	43	.153	.150	.144	1.24	.48	6.2	4.7	5.3	5.5
May	27.269	27.846	26.830	43.7	63.9	64.6	69.5	41.3	55.4	92	24	38	38	38	82	41	40	.234	.239	.242	1.23	.56	3.9	4.7	5.4	4.8
June	27.235	27.570	26.730	54.5	70.0	72.1	75.8	51.9	63.8	96	44	50	51	50	86	55	51	.366	.389	.370	5.89	2.62	4.8	5.6	6.2	5.1
July	27.343	27.590	26.910	61.1	79.6	80.4	83.5	59.9	71.2	96	47	58	60	59	89	53	49	.477	.527	.507	4.33	1.44	3.5	3.9	4.2	3.0
August	27.419	27.640	27.199	51.8	72.6	76.9	79.4	50.6	65.0	94	40	49	54	51	91	55	42	.352	.429	.382	1.47	.69	3.5	4.0	3.5	3.7
September	27.391	27.752	27.064	45.5	69.0	69.4	73.8	41.9	57.8	89	30	39	44	43	81	43	41	.243	.292	.277	.50	.25	3.7	3.5	4.8	4.0
October	37.444	28.030	26.640	34.2	54.8	49.7	57.3	31.0	44.2	76	3	31	39	36	88	58	62	.184	.247	.223	.71	.42	2.1	4.0	3.0	4.5
November	27.351	27.752	26.820	30.8	47.1	41.5	51.6	24.1	37.8	62	7	24	30	29	78	52	63	.131	.163	.158	.17	.14	3.3	4.9	4.2	5.3
December	27.305	27.816	26.384	22.5	36.0	28.2	37.2	14.0	25.6	60	−33	16	24	18	77	63	69	.100	.126	.110	.69	.36	4.8	5.0	5.1	6.0
Year	27.347	28.176	26.384	35.5	52.0	50.9	56.5	31.5	44.0	96	−33	31	35	34	84	56	57	.208	.239	.228	17.78	2.62	4.3	4.7	4.9	5.0

HELENA, MONT.

[ϕ=46° 34′ N.; λ=112° 01′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	25.691	26.070	25.270	25.9	30.5	30.1	36.1	19.6	27.8	56	−12	16	20	18	68	64	63	0.094	0.109	0.102	0.44	0.16	6.7	7.2	6.0	7.2
February	25.931	26.260	25.200	13.6	20.6	21.8	27.0	9.0	18.0	53	−23	9	13	14	83	74	73	.072	.088	.090	.49	.27	7.0	8.5	8.0	8.4
March	25.760	26.158	25.284	26.8	37.6	38.1	42.6	23.6	33.1	65	2	17	18	18	66	46	47	.093	.099	.100	.37	.13	6.7	6.8	7.0	6.5
April	25.719	26.020	25.360	34.1	46.4	48.1	52.7	31.3	42.0	75	7	24	23	23	65	43	42	.127	.124	.122	1.17	.50	6.9	6.6	6.2	6.4
May	25.731	26.200	25.410	43.0	57.6	56.8	62.5	39.7	51.1	80	29	34	33	34	70	43	47	.197	.198	.205	2.16	.86	6.0	7.4	7.2	7.2
June	25.719	26.000	25.360	50.4	64.8	66.6	70.5	47.3	58.9	91	35	42	43	40	74	48	43	.274	.283	.256	3.24	.69	5.9	6.7	7.5	6.8
July	25.825	26.060	25.510	58.7	77.0	79.0	82.9	56.6	69.8	93	47	49	51	48	71	42	38	.351	.387	.351	1.35	.50	4.2	3.7	5.5	4.3
August	25.866	26.040	25.650	53.7	72.1	73.8	77.4	52.3	64.8	93	41	45	46	44	73	42	40	.298	.318	.298	1.06	1.05	3.6	5.0	5.1	4.8
September	25.859	26.130	25.560	48.2	65.4	68.3	71.0	45.5	58.2	87	36	34	36	34	60	37	32	.197	.214	.198	.16	.09	4.4	4.2	3.6	3.9
October	25.880	26.310	25.210	34.7	46.3	46.4	51.2	31.9	41.6	68	7	28	31	31	79	56	56	.162	.179	.177	1.13	.78	4.2	5.4	4.4	5.5
November	25.863	26.200	25.270	32.9	41.6	39.7	48.2	28.0	38.1	56	16	24	26	26	70	54	57	.129	.136	.136	.65	.30	4.8	5.9	5.0	5.5
December	25.793	26.300	25.027	22.2	28.0	27.2	32.9	16.6	24.8	50	−30	14	16	14	71	61	58	.067	.096	.091	.56	.31	5.7	7.3	5.5	6.7
Year	25.803	26.310	25.027	37.0	49.0	49.7	54.6	33.4	44.0	93	−30	28	30	29	71	51	50	.173	.186	.177	13.37	1.05	5.5	6.2	5.9	6.1

HONOLULU, HAWAII*

[ϕ=21° 19′ N.; λ=157° 52′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.938	30.120	29.640	71.0	73.8	70.5	75.5	67.3	71.4	79	58	62	62	63	73	67	78	0.553	0.557	0.583	11.31	4.48	7.6	7.9	8.3	7.7
February	29.922	30.050	29.780	68.4	73.4	69.6	75.4	64.6	70.0	78	60	59	58	60	73	66	73	.513	.495	.531	3.68	1.13	5.4	6.5	5.6	6.2
March	29.935	30.110	29.720	71.0	73.5	70.8	75.7	67.0	71.4	83	63	60	60	60	68	64	70	.520	.525	.529	6.36	3.73	7.0	7.7	7.0	7.2
April	29.989	30.113	29.750	73.3	76.6	72.5	77.7	69.0	73.4	80	65	63	63	63	70	63	72	.574	.572	.574	3.40	1.92	4.9	5.4	5.9	5.8
May	30.010	30.140	29.900	75.3	78.1	74.2	79.6	70.9	75.2	82	66	63	62	63	65	59	68	.570	.565	.573	.36	.19	4.2	5.1	4.4	4.7
June	30.008	30.132	29.860	76.4	79.1	75.4	80.8	72.2	76.5	83	70	63	63	64	64	57	67	.585	.570	.591	.17	.06	4.9	5.3	5.3	5.5
July	29.980	30.068	29.860	77.1	80.5	76.6	82.1	73.5	77.8	84	71	64	64	65	65	68	67	.603	.600	.618	.25	.10	5.3	5.8	5.3	6.2
August	29.968	30.024	29.830	78.1	81.4	77.3	82.8	73.6	78.2	85	71	66	65	66	66	59	68	.639	.628	.636	.38	.11	5.6	6.0	5.6	5.7
September	29.936	30.050	29.780	78.7	82.2	77.9	83.5	74.6	79.0	87	71	67	66	67	68	59	70	.660	.650	.665	.82	.28	4.0	5.2	4.8	5.0
October	29.957	30.050	29.790	77.4	80.7	77.1	82.7	73.1	77.9	85	70	67	66	66	70	61	70	.659	.634	.648	2.22	1.37	5.2	4.7	5.3	5.4
November	29.956	30.062	29.770	75.0	78.4	74.6	79.9	71.2	75.6	82	66	63	63	63	66	59	68	.572	.567	.582	.40	.17	4.2	5.1	4.7	4.8
December	29.968	30.081	29.730	72.1	75.3	71.9	76.8	68.6	72.7	81	64	63	64	64	74	68	76	.578	.593	.595	7.99	3.57	6.4	6.5	7.4	6.4
Year	29.964	30.140	29.640	74.5	77.8	74.0	79.4	70.5	74.9	87	58	63	63	64	68	61	71	.586	.580	.594	37.34	4.48	5.4	5.9	5.8	5.9

*At Honolulu observations taken at 8 a. m. and 8 p. m., time of meridian of 157° 30′.

Annual meteorological summary for the year ending December 31, 1923—Continued

HATTERAS, N. C.

[H_b=11 ft.; h_t=11 ft.; h_r=4 ft.; h_a=50 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	15.2	NE.	44	N.	5	3	15	3	1	5	12	15	8	0	10	11	10	10	6	0	0	0	2	0	0	2	1	0
February	15.9	SW.	42	NW.	3	15	4	1	2	4	14	6	10	0	12	5	11	9	9	1	0	0	1	0	0	8	0	0
March	15.4	SW.	66	W.	5	12	14	3	5	9	10	4	5	0	10	11	10	11	8	0	0	0	1	0	0	1	2	0
April	12.7	N.	42	S.	2	14	7	3	7	9	14	1	5	0	13	9	8	11	7	0	0	0	0	0	0	1	3	0
May	11.3	NE.	45	NW.	1	5	22	4	7	8	8	4	4	0	10	13	8	7	6	0	0	0	0	0	0	0	3	0
June	13.3	SW.	33	N.	0	6	2	3	4	9	27	7	2	0	12	12	6	6	4	0	0	0	0	0	0	0	2	0
July	14.3	SW.	52	W.	4	1	14	5	1	8	25	5	3	0	7	12	12	16	14	0	0	0	0	0	0	0	15	0
August	11.7	SW.	56	NW.	1	3	8	6	3	8	26	5	3	0	9	14	8	10	8	0	0	0	0	0	0	0	9	0
September	11.5	NE.	37	N.	0	8	24	5	7	7	7	2	0	0	8	12	10	8	7	0	0	0	0	0	0	0	7	0
October	13.7	N.	48	N.	3	22	14	7	5	2	3	3	6	0	14	7	10	10	5	0	0	0	0	0	0	0	1	0
November	16.1	NE.	40	N.	2	9	14	1	8	1	8	6	13	0	11	7	12	10	7	0	0	0	1	0	0	0	2	0
December	15.1	SW.	48	NW.	1	17	6	0	4	3	21	6	5	0	11	8	12	11	6	0	0	0	0	0	0	0	1	0
Year	13.8	SW.	66	W.	27	115	144	41	54	73	175	64	64	0	127	121	117	119	88	1	0	0	5	0	0	12	46	0

HAVRE, MONT.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	7.2	SW.	40	SW.	1	1	4	16	2	0	19	8	12	0	10	5	16	10	7	13	8	0	2	17	0	27	0	0
February	8.5	SW.	36	N.	0	5	5	16	0	1	16	7	5	1	5	14	9	8	3	10	8	0	0	17	0	26	0	1
March	9.6	SW.	39	W.	0	7	8	16	4	0	14	7	6	0	11	9	11	4	1	14	4	0	0	6	0	29	0	0
April	7.6	E.	30	SW.	0	6	4	13	4	1	16	3	10	3	11	8	11	11	7	8	8	0	1	3	0	15	1	0
May	7.5	E.	48	S.	1	6	3	17	4	3	12	4	11	2	11	14	6	8	6	0	0	0	1	0	2	4	7	0
June	7.3	SW.	56	S.	2	2	3	17	7	5	11	9	5	1	9	14	7	14	12	0	0	0	1	0	2	0	8	0
July	4.8	E.	37	SW.	0	5	7	22	5	1	2	5	11	4	18	8	5	14	11	0	0	2	0	0	9	0	13	0
August	4.2	E.	36	W.	0	2	4	12	4	4	13	4	12	7	16	14	1	7	4	0	0	0	0	0	5	0	4	0
September	4.9	SW.	37	NW.	0	8	2	7	3	1	15	5	16	3	15	8	7	7	5	0	0	0	0	0	0	2	1	1
October	6.2	SW.	34	SW.	0	6	4	11	5	4	18	8	6	0	15	6	10	5	3	2	0	0	5	2	0	14	1	0
November	7.7	SW.	48	W.	1	5	2	4	0	4	16	22	6	1	14	3	13	3	1	4	2	0	1	1	0	25	0	0
December	10.7	SW.	48	SW.	1	0	1	5	0	0	33	12	10	1	9	8	14	5	4	7	4	0	0	7	0	28	0	0
Year	7.2	SW.	56	S.	6	53	47	156	38	24	185	94	110	23	144	111	110	96	64	58	34	2	11	53	18	170	35	2

HELENA, MONT.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	8.9	SW.	50	SW.	5	1	1	1	0	11	29	11	8	0	5	9	17	7	5	19	4	0	0	10	0	27	1	0
February	6.3	SW.	46	SW.	1	5	1	0	0	1	26	8	15	0	0	10	18	11	4	19	11	0	1	16	0	28	0	1
March	10.2	SW.	38	W.	0	5	1	1	2	3	38	5	7	0	3	13	15	5	3	21	5	0	0	4	0	26	0	0
April	8.7	SW.	37	SW.	0	2	2	2	2	4	29	9	10	0	6	8	16	6	5	9	5	0	0	1	0	13	1	0
May	8.7	SW.	38	SW.	0	4	10	0	1	8	28	6	5	0	3	10	18	17	11	1	0	1	0	0	0	4	9	2
June	8.0	SW.	36	SW.	0	4	6	1	1	9	29	4	5	1	4	9	17	14	13	0	0	3	0	0	1	0	12	0
July	7.8	SW.	34	SW.	0	4	4	0	0	4	36	6	8	0	15	11	5	11	8	0	0	3	0	0	4	0	16	0
August	6.7	SW.	32	NW.	0	7	5	2	0	2	33	6	7	0	10	15	6	9	6	0	0	1	0	0	3	0	12	0
September	7.5	SW.	31	N.	0	8	3	1	0	3	28	8	8	1	16	5	9	2	2	0	0	1	0	0	0	0	6	0
October	7.4	SW.	45	SW.	1	5	2	5	0	4	39	3	4	0	11	10	10	8	6	5	1	0	0	3	0	13	0	1
November	7.2	SW.	37	SW.	0	1	1	1	0	5	44	4	3	1	10	9	11	5	4	8	4	0	0	0	0	24	0	0
December	8.3	SW.	40	SW.	1	5	1	1	0	3	42	6	4	0	8	9	16	7	4	12	6	0	0	11	0	31	0	0
Year	8.0	SW.	50	SW.	8	51	37	15	6	57	401	76	84	3	89	118	158	102	71	94	36	9	1	45	8	166	51	4

HONOLULU, HAWAII*

[H_b=38 ft.; h_t=86 ft.; h_r=68 ft.; h_a=100 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	11.7	E.	56	NE.	3	4	16	30	3	2	5	0	2	0	0	13	18	25	21	0	0	0	0	0	0	0	0	0
February	6.7	NE.	27	SW.	0	12	19	6	2	5	1	2	7	2	5	13	10	14	10	0	0	0	0	0	0	0	0	0
March	9.7	E.	40	E.	1	4	22	25	3	1	1	2	2	1	1	14	16	16	10	0	0	0	0	0	0	0	0	0
April	10.7	E.	30	E.	0	3	20	25	1	1	4	1	5	0	8	12	10	11	7	0	0	0	0	0	0	0	0	0
May	10.6	E.	33	E.	0	1	12	41	4	1	3	0	0	0	7	19	5	7	3	0	0	0	0	0	0	0	0	0
June	10.8	E.	30	NE.	0	0	17	40	2	0	0	0	1	0	6	18	6	9	1	0	0	0	0	0	0	0	0	0
July	10.8	E.	31	E.	0	0	14	48	0	0	0	0	0	0	3	21	7	11	1	0	0	0	0	0	0	0	0	0
August	9.4	E.	30	E.	0	0	18	42	0	0	0	2	0	0	4	17	10	10	3	0	0	0	0	0	0	0	0	0
September	8.8	E.	29	E.	0	1	19	36	3	0	1	0	0	0	10	13	7	11	8	0	0	0	0	0	0	0	1	0
October	9.0	E.	35	NE.	0	3	21	34	2	1	1	0	0	0	5	22	4	17	8	0	0	0	0	0	0	0	0	0
November	9.9	E.	36	NE.	0	3	15	33	3	1	0	0	2	3	9	18	3	10	3	0	0	0	0	0	0	0	0	0
December	10.0	E.	41	NE.	1	7	20	28	5	0	1	0	0	1	7	13	11	19	11	0	0	0	0	0	0	0	3	0
Year	9.8	E.	56	NE.	5	38	213	389	28	12	17	7	19	7	65	193	107	160	86	0	0	0	0	0	0	0	4	0

*At Honolulu, for the observation hours see preceding page.

Annual meteorological summary for the year ending December 31, 1923—Continued

HOUGHTON, MICH.

[ϕ=47° 67′ N.; λ=88° 34′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.288	29.850	28.520	16.0	18.4	----	24.4	8.7	16.6	39	−10	12	13	----	84	76	----	0.078	0.077	----	2.07	0.72	9.1	9.2	----	9.2
February	29.364	29.910	28.700	5.9	12.7	----	17.3	0.6	9.0	34	−19	0	6	----	81	75	----	.098	.060	----	1.74	.73	8.5	7.8	----	7.9
March	29.261	29.830	28.680	10.3	17.8	----	23.5	6.8	15.2	46	−13	6	10	----	82	71	----	.064	.078	----	2.36	.34	7.6	7.0	----	7.0
April	29.230	29.876	28.720	31.2	40.7	----	45.1	25.8	35.4	79	−10	24	28	----	73	62	----	.142	.169	----	.89	.22	5.3	4.9	----	5.0
May	29.256	29.650	28.910	45.5	57.2	----	60.9	39.3	50.1	82	27	38	39	----	74	53	----	.233	.249	----	.83	.29	4.6	3.8	----	4.5
June	29.204	29.529	28.660	59.0	70.4	----	74.7	52.1	63.4	92	41	55	61	----	87	74	----	.447	.568	----	1.43	.51	5.0	4.5	----	5.5
July	29.282	29.536	29.020	62.5	72.7	----	75.8	56.3	66.0	88	48	60	66	----	91	79	----	.515	.639	----	3.89	.88	4.7	5.7	----	5.5
August	29.247	29.550	28.870	57.4	66.2	----	69.6	51.8	60.7	82	46	52	54	----	83	66	----	.394	.426	----	1.24	.44	5.3	5.6	----	5.6
September	29.325	29.600	28.930	58.6	62.4	----	66.0	48.1	57.0	84	36	48	52	----	90	71	----	.353	.398	----	3.83	1.82	5.2	6.0	----	6.0
October	29.375	29.730	28.830	41.7	49.8	----	53.5	37.5	45.5	74	23	36	36	----	82	62	----	.228	.227	----	2.82	1.10	5.5	6.2	----	7.5
November	29.244	29.630	28.610	34.3	40.4	----	43.7	30.6	37.2	58	17	30	33	----	83	75	----	.167	.192	----	1.14	.48	7.1	6.6	----	7.0
December	29.212	29.700	28.440	27.8	31.1	----	34.9	24.1	29.5	58	1	24	25	----	83	78	----	.130	.142	----	1.83	.75	7.5	8.5	----	7.7
Year	29.274	29.910	28.440	37.5	45.0	----	49.1	31.8	40.5	92	−19	32	35	----	83	70	----	.233	.269	----	24.07	1.82	6.3	6.3	----	6.5

HOUSTON, TEX.

[ϕ=29° 47′ N.; λ=95° 24′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.955	30.470	29.650	55.5	67.4	----	71.3	52.9	62.1	79	37	51	52	----	85	62	----	0.403	0.432	----	1.31	0.95	4.7	5.7	----	4.7
February	30.020	30.460	29.590	51.8	58.8	----	63.6	49.4	56.5	80	27	47	47	----	84	67	----	.355	.360	----	4.03	1.95	7.3	7.9	----	6.9
March	29.910	30.380	29.340	54.6	64.7	----	68.5	51.0	59.8	83	24	50	48	----	84	57	----	.396	.375	----	5.37	3.58	7.0	5.6	----	5.5
April	29.801	30.220	29.500	64.2	72.6	----	77.2	62.3	69.8	86	45	60	61	----	87	70	----	.542	.570	----	9.66	4.07	6.4	6.3	----	5.2
May	29.709	30.110	29.360	68.7	81.6	----	84.8	67.3	76.0	91	57	65	64	----	85	55	----	.629	.601	----	3.89	1.05	3.4	3.6	----	3.2
June	29.782	29.920	29.680	77.1	87.1	----	89.9	73.4	81.6	95	68	73	70	----	86	58	----	.804	.742	----	6.79	2.98	2.5	5.8	----	5.3
July	29.844	30.050	29.700	75.8	87.1	----	91.3	74.1	82.7	97	70	73	70	----	91	58	----	.808	.736	----	.82	.59	4.1	4.8	----	4.6
August	29.848	30.020	29.670	75.8	87.7	----	92.3	74.1	83.2	98	68	72	69	----	90	55	----	.802	.709	----	3.82	1.69	3.4	5.4	----	4.5
September	29.852	30.020	29.720	72.5	83.4	----	87.2	71.2	79.2	94	63	71	70	----	94	65	----	.753	.731	----	6.25	2.63	5.6	6.2	----	5.3
October	29.877	30.270	29.290	62.1	75.0	----	77.5	61.2	69.4	92	45	58	59	----	86	60	----	.510	.539	----	2.88	1.13	4.7	4.8	----	4.7
November	29.903	30.260	29.620	52.4	63.5	----	66.9	51.4	59.2	79	41	49	48	----	87	59	----	.352	.347	----	3.64	1.21	6.0	5.6	----	6.1
December	29.930	30.440	29.570	56.0	60.8	----	64.5	52.7	58.6	80	32	53	52	----	91	76	----	.443	.433	----	14.38	4.42	7.7	8.7	----	8.4
Year	29.874	30.470	29.290	64.0	74.1	----	77.9	61.8	69.8	98	24	60	59	----	88	62	----	.566	.548	----	62.84	4.42	5.2	5.9	----	5.4

HURON, S. DAK.

[ϕ=44° 21′ N.; λ=98° 14′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	28.629	29.110	28.095	16.8	24.9	----	22.8	31.4	11.4	21.4	58	−11	12	15	16	82	65	74	0.081	0.090	0.093	0.28	0.11	6.5	5.5	4.5	5.5
February	28.833	29.520	28.130	6.8	19.0	----	18.2	26.2	3.6	14.9	49	−19	4	9	12	87	63	76	.057	.070	.084	.05	.02	3.0	5.8	4.6	4.1
March	28.655	29.310	27.942	18.7	31.4	----	29.9	38.5	14.7	26.6	65	−13	14	16	19	82	55	64	.088	.098	.109	.25	.12	5.7	6.0	6.0	4.5
April	28.548	28.940	27.886	34.5	51.3	----	51.5	57.0	32.0	44.5	88	11	31	34	32	86	57	53	.180	.214	.191	1.50	.44	4.9	4.3	5.5	4.3
May	28.564	29.082	28.140	49.6	65.3	----	64.6	69.8	45.5	57.6	86	29	43	42	42	77	45	48	.290	.288	.293	1.58	.70	4.0	5.5	5.8	5.4
June	28.526	28.850	28.140	63.3	75.1	----	74.1	78.5	58.3	68.4	99	45	59	58	59	85	58	61	.508	.503	.510	4.14	.98	4.1	6.0	5.8	5.6
July	28.601	28.780	28.250	67.9	82.2	----	81.7	86.0	64.5	75.2	97	51	63	64	66	84	56	61	.580	.612	.650	4.17	.94	3.3	4.6	4.7	5.1
August	28.643	28.947	28.355	60.2	75.4	----	76.0	79.3	57.7	68.5	93	39	55	55	56	83	51	53	.440	.449	.470	2.89	.84	6.2	4.8	4.2	5.2
September	28.608	28.980	28.310	54.4	72.1	----	69.4	76.2	51.8	64.0	96	38	50	50	51	85	49	55	.368	.385	.390	1.95	.86	3.6	3.9	4.6	4.4
October	28.754	29.090	28.065	38.1	54.7	----	51.2	58.6	36.0	47.3	80	15	34	36	36	85	50	56	.211	.225	.228	.63	.26	3.4	4.8	3.4	4.3
November	28.654	29.050	28.200	30.6	46.3	----	42.7	51.1	27.3	39.2	70	16	26	30	28	82	55	56	.142	.169	.153	.31	.31	4.9	3.4	2.7	4.0
December	28.638	29.240	27.771	21.1	34.6	----	30.3	40.0	17.3	28.6	58	−16	16	20	18	78	55	60	.093	.111	.105	.22	.09	4.2	4.1	3.2	4.1
Year	28.638	29.520	27.771	38.5	52.7	----	51.0	57.7	35.0	46.4	99	−19	34	36	36	83	55	60	.253	.268	.273	17.97	.98	4.5	4.9	4.6	4.7

INDEPENDENCE, CALIF.

[ϕ=36° 48′ N.; λ=118° 12′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	26.000	26.320	25.530	30.7	50.2	----	46.0	54.8	28.2	41.5	72	16	17	22	20	54	34	37	0.091	0.119	0.109	0.09	0.09	1.4	2.5	2.9	2.9
February	26.058	26.330	25.200	32.0	52.7	----	51.7	56.9	28.8	42.8	71	10	22	26	27	65	36	39	.122	.146	.153	.02	.02	1.0	2.1	2.5	2.2
March	26.022	26.380	25.640	36.8	60.0	----	59.4	64.4	34.4	49.4	72	20	19	23	26	48	25	29	.104	.124	.138	.00	.00	1.0	1.5	3.2	1.9
April	25.891	26.150	25.500	42.6	64.8	----	63.4	68.5	39.0	54.0	80	30	30	38	35	62	40	36	.171	.238	.203	.29	.19	1.6	3.0	4.3	3.1
May	25.863	26.106	25.590	52.8	77.8	----	78.4	81.4	50.6	66.0	90	39	28	31	31	38	20	18	.153	.178	.175	.20	.20	1.0	1.5	1.5	1.5
June	25.843	26.080	25.610	53.4	78.1	----	79.6	82.1	52.0	67.0	100	40	30	31	32	40	19	19	.167	.176	.182	T.	T.	1.1	2.4	2.4	2.0
July	25.937	26.083	25.693	62.8	90.5	----	90.6	93.6	60.9	77.2	103	50	39	38	37	43	17	17	.243	.238	.235	.05	.05	1.0	1.2	2.0	1.5
August	25.977	26.160	25.785	63.1	87.3	----	87.9	90.9	60.2	75.6	97	52	36	36	35	38	19	17	.222	.224	.209	.11	.08	.9	1.3	2.5	1.6
September	25.992	26.160	25.838	58.7	79.0	----	78.4	82.8	55.0	68.9	98	37	35	36	36	41	22	24	.211	.214	.216	.20	.17	2.2	2.8	3.5	2.9
October	25.977	26.250	25.656	45.9	68.1	----	65.5	71.5	42.6	57.0	81	30	24	28	27	43	24	26	.130	.156	.149	.01	.01	1.2	1.7	2.0	1.7
November	26.080	26.300	25.650	38.1	60.0	----	53.7	63.7	34.7	49.2	70	26	26	39	34	62	50	49	.145	.259	.205	.27	.27	1.2	1.7	2.2	1.7
December	26.052	26.420	25.592	31.4	48.2	----	42.8	52.6	26.8	39.7	64	11	12	19	17	42	31	35	.075	.102	.098	.01	.01	1.5	2.5	2.1	2.3
Year	25.974	26.420	25.200	45.7	68.1	----	66.4	71.9	42.8	57.4	103	10	26	31	30	48	28	29	.153	.181	.173	1.25	.27	1.3	2.0	2.6	2.1

Annual meteorological summary for the year ending December 31, 1923—Continued

HOUGHTON, MICH.

[H_b=668 ft.; h_t=62 ft.; h_r=57 ft.; h_a=99 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	9.3	E.	58	W.	1	3	3	11	0	1	1	5	7	0	1	4	26	17	11	24	17	0	1	27	0	31	0	0
February	11.9	W.	63	W.	2	2	0	11	0	0	1	11	2	1	2	9	17	12	7	21	12	0	2	26	0	28	0	0
March	12.6	W.	50	W.	6	2	3	11	1	0	2	6	4	2	4	9	18	17	15	21	17	0	0	25	0	31	0	2
April	9.4	E.	33	W.	0	2	0	13	2	0	0	10	2	1	11	9	10	11	9	6	6	0	1	7	0	18	0	0
May	9.2	E.	34	W.	0	2	2	20	0	0	1	2	3	1	15	8	8	10	5	1	1	0	1	0	0	6	1	1
June	9.0	E.	32	W.	0	1	0	11	1	0	2	13	1	1	8	13	9	9	7	0	0	0	5	0	3	0	5	0
July	7.9	E.	28	N.	0	2	1	16	1	0	0	8	3	0	8	14	9	12	11	0	0	0	7	0	0	0	4	0
August	9.0	W.	43	W.	1	2	1	9	0	1	1	13	3	1	9	13	9	11	7	0	0	0	0	0	0	0	6	0
September	7.9	E.	37	W.	0	0	2	16	2	0	4	4	1	1	8	9	13	10	9	2	2	1	6	0	0	0	2	0
October	8.5	E.	33	W.	0	1	1	10	0	0	1	15	2	1	6	4	21	11	10	5	5	0	4	1	0	8	0	0
November	9.2	W.	28	W.	0	1	2	7	2	4	1	6	5	2	6	8	16	12	8	10	6	0	1	1	0	19	0	0
December	10.2	W.	45	W.	3	1	0	12	1	2	3	9	3	0	4	8	19	13	12	12	9	0	1	6	0	26	0	0
Year	9.5	E.	63	W.	13	19	15	147	10	8	17	102	36	11	82	108	175	145	111	102	75	1	29	93	3	168	18	3

HOUSTON, TEX.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	9.1	S.	38	N.	0	6	1	5	7	8	3	0	1	0	10	12	9	7	3	0	0	1	4	0	0	0	1	0
February	9.2	N.	31	S.	0	8	5	4	3	4	3	1	0	0	5	9	14	13	10	1	0	0	1	1	0	3	3	0
March	10.5	SE.	36	NW.	0	3	8	2	7	7	1	0	3	0	11	6	14	11	8	1	0	0	0	0	0	2	5	0
April	9.4	SE.	33	NE.	0	6	2	7	8	4	0	1	0	2	10	10	10	12	11	0	0	0	0	0	0	0	8	0
May	9.3	SE.	35	SE.	0	5	2	1	10	7	0	1	3	2	19	8	4	7	7	0	0	2	1	0	3	0	10	0
June	7.8	SE.	29	N.	0	0	2	5	11	9	1	0	0	2	5	21	4	13	10	0	0	0	0	0	14	0	10	0
July	6.4	S.	26	SE.	0	1	5	2	3	4	9	4	1	2	12	13	6	4	3	0	0	0	0	0	21	0	5	0
August	6.2	S.	28	E.	0	1	4	2	2	12	6	1	2	1	14	13	4	15	10	0	0	0	0	0	24	0	12	0
September	5.8	S.	28	N.	0	5	3	6	5	7	1	0	2	1	7	13	10	11	7	0	0	0	0	0	7	0	5	0
October	7.8	E.	28	NW.	0	8	9	11	3	0	0	0	0	0	12	8	11	7	4	0	0	1	0	0	2	0	2	0
November	7.0	N.	21	SE.	0	8	3	10	2	0	0	3	1	3	10	7	13	10	9	0	0	0	3	0	0	0	2	0
December	8.1	N.	26	NW.	0	6	3	3	4	8	2	1	3	1	3	4	24	18	15	0	0	0	2	0	0	0	5	0
Year	8.0	S.	38	N.	0	57	47	58	65	70	26	12	16	14	118	124	123	128	97	2	0	4	11	1	71	5	68	0

HURON, S. DAK.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	9.6	NW.	36	SE.	0	10	5	3	17	6	3	4	14	0	12	7	12	7	2	17	7	0	0	16	0	31	0	0
February	11.2	NW.	48	W.	1	3	1	1	14	3	1	7	26	0	14	6	8	5	0	14	4	0	0	16	0	28	0	0
March	11.8	NW.	42	N.	1	15	6	2	12	5	1	4	17	0	13	10	8	6	3	12	6	0	0	11	0	29	0	0
April	10.7	SE.	46	SW.	1	13	5	3	15	4	1	8	5	0	18	4	8	8	8	4	3	0	1	2	0	18	2	0
May	10.0	SE.	39	NW.	0	6	2	6	25	7	1	4	11	0	10	12	9	10	5	1	1	0	0	0	0	3	4	0
June	9.4	SE.	38	SE.	0	8	3	2	27	8	4	2	6	0	8	13	9	16	14	0	0	0	0	0	3	0	10	1
July	7.6	SE.	39	NW.	0	11	6	4	25	6	0	2	8	0	10	15	6	11	8	0	0	1	1	0	8	0	10	0
August	6.7	SE.	32	NE.	0	11	2	8	12	7	5	2	15	0	9	16	6	12	9	0	0	0	1	0	2	0	11	0
September	9.4	SE.	30	NW.	0	9	1	5	22	6	4	2	11	0	13	11	6	10	8	0	0	0	1	0	2	0	5	1
October	9.5	SE.	29	SE.	0	5	1	3	20	6	4	0	17	0	16	9	6	6	4	1	1	0	0	1	0	13	2	1
November	8.5	NW.	34	W.	0	3	1	1	13	10	10	10	12	0	11	16	3	2	2	2	0	0	0	1	0	24	0	0
December	9.1	NW.	36	NW.	0	2	1	1	10	13	6	12	17	0	12	16	3	5	3	4	3	0	0	4	0	28	0	0
Year	9.5	SE.	48	W.	3	101	34	39	213	81	40	63	159	0	146	135	84	98	66	55	25	1	4	51	15	174	44	3

INDEPENDENCE, CALIF.

[H_b=3,957 ft.; h_t=5 ft.; h_r=4 ft.; h_a=25 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	5.7	NW.	31	SW.	0	2	1	0	11	4	7	14	23	0	22	5	4	1	1	1	0	0	0	0	0	24	0	0
February	8.7	NW.	80	SW.	1	4	3	1	5	0	9	1	33	0	21	6	1	1	0	1	0	0	0	0	0	16	0	0
March	10.0	NW.	37	NW.	0	5	1	0	14	3	4	8	27	0	26	4	1	0	0	0	0	0	0	0	0	11	0	0
April	8.7	NW.	58	SW.	1	7	1	3	8	9	5	9	18	0	15	13	2	3	3	1	0	0	0	0	0	1	2	0
May	8.4	NW.	34	SW.	0	3	0	1	4	4	6	13	31	0	27	3	1	1	1	0	0	0	0	0	1	0	1	0
June	7.7	NW.	39	W.	0	4	2	1	15	4	5	9	20	0	22	8	0	0	0	0	0	0	0	0	7	0	2	0
July	8.3	SE.	36	SE.	0	0	0	1	27	12	3	8	11	0	26	4	1	1	1	0	0	0	0	0	27	0	1	0
August	7.5	NW.	35	SE.	0	2	1	3	17	5	2	11	21	0	28	1	2	2	1	0	0	0	0	0	23	0	3	0
September	8.7	NW.	37	W.	0	8	0	0	15	7	3	9	20	0	19	10	1	2	1	0	0	0	0	0	10	0	3	0
October	7.6	NW.	41	W.	1	6	1	3	16	4	6	6	20	0	25	5	1	1	0	0	0	0	0	0	0	2	0	0
November	6.4	NW.	41	NW.	2	2	1	0	9	11	4	11	20	2	24	5	1	1	1	0	0	0	0	0	0	10	0	0
December	9.5	NW.	38	NW.	0	3	0	4	5	6	3	8	33	0	24	4	3	1	0	1	1	0	0	0	0	27	0	0
Year	8.1	NW.	80	SW.	5	46	11	17	144	69	57	107	277	2	279	68	18	14	9	4	2	0	0	0	68	91	12	0

Annual meteorological summary for the year ending December 31, 1923—Continued

INDIANAPOLIS, IND.

[ϕ=39° 46′ N.; λ=86° 10′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.181	29.760	28.620	31.3	35.2	35.6	40.7	28.4	34.6	56	19	27	28	29	84	74	75	0.150	0.154	0.163	2.73	0.71	7.5	7.4	7.3	8.0
February	29.302	29.810	28.770	22.6	28.8	28.6	33.1	19.0	26.0	50	0	18	20	21	81	70	71	.112	.125	.126	1.70	.52	7.3	7.1	6.6	7.5
March	29.153	29.680	28.220	32.5	39.8	40.6	48.0	28.3	38.2	68	7	26	26	29	77	58	64	.148	.149	.177	4.41	1.80	6.7	6.3	4.6	6.4
April	29.105	29.663	28.670	44.0	54.8	54.8	59.6	40.2	49.9	78	20	35	35	36	72	52	53	.210	.211	.224	1.94	.64	5.3	5.5	5.8	5.5
May	29.043	29.350	28.460	54.7	65.4	64.7	71.2	50.1	60.6	84	31	45	47	47	72	55	58	.320	.343	.352	5.86	2.39	6.6	5.8	6.2	6.0
June	29.110	29.393	28.670	68.6	78.4	76.3	81.6	64.1	72.8	97	48	60	58	59	74	52	56	.524	.498	.509	2.30	.90	4.1	4.6	3.9	4.7
July	29.139	29.344	28.880	70.7	81.3	79.8	85.5	66.8	76.2	94	56	61	60	61	72	50	56	.544	.523	.551	2.43	.64	4.2	4.4	3.9	4.4
August	29.126	29.300	28.890	67.5	78.8	75.7	82.6	63.8	73.2	92	49	61	62	63	80	59	66	.553	.580	.590	4.83	1.59	4.9	5.6	5.1	5.3
September	29.200	29.465	28.780	61.6	72.1	69.0	75.1	58.9	67.0	86	42	57	56	57	86	60	66	.488	.484	.488	3.91	2.38	5.2	5.7	5.5	6.1
October	29.274	29.590	28.520	46.6	58.3	55.0	62.0	44.2	53.1	79	25	40	39	40	80	52	58	.261	.252	.258	3.29	2.72	4.9	4.8	4.5	5.0
November	29.197	29.561	28.750	39.6	47.4	45.8	51.3	37.1	44.2	63	30	34	34	34	80	62	65	.197	.201	.201	2.04	.93	6.6	5.8	5.9	6.3
December	29.157	29.790	28.610	38.7	43.5	43.1	49.6	35.3	42.4	62	14	36	36	36	88	77	79	.217	.226	.231	5.60	1.87	6.9	7.0	6.2	7.2
Year	29.166	29.810	28.220	48.2	57.0	55.8	61.7	44.7	53.2	97	0	42	42	43	79	60	64	.310	.312	.322	41.04	2.72	5.8	5.8	5.5	6.0

IOLA, KANS.

[ϕ=37° 55′ N.; λ=95° 25′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	28.990	29.500	28.500	33.2	46.5	42.9	52.0	29.3	40.6	68	18	27	30	....	78	55	....	0.150	0.168	.....	1.16	0.81	4.7	6.0	....	6.4
February	29.176	29.797	28.460	25.3	34.7	34.5	42.2	22.2	32.2	63	4	18	19	....	75	54	....	.110	.115	.....	.43	.28	5.1	5.1	....	5.1
March	28.975	29.502	27.930	33.4	45.9	45.7	53.9	29.5	41.7	78	3	27	28	....	76	52	....	.155	.166	.....	3.69	1.62	5.4	5.7	....	5.6
April	28.895	29.200	28.320	47.0	60.8	60.6	68.0	45.0	56.5	84	27	41	44	....	80	58	....	.268	.314	.....	2.86	.78	5.2	4.3	....	5.1
May	28.835	29.203	28.300	55.8	68.4	66.7	74.1	53.1	63.6	88	34	50	53	....	82	61	....	.382	.430	.....	5.33	2.68	6.6	5.7	....	5.9
June	28.873	29.140	28.420	68.3	79.6	77.6	84.5	65.8	75.2	95	52	65	67	....	90	67	....	.632	.672	.....	5.35	3.14	6.3	5.7	....	5.5
July	28.939	29.150	28.750	70.5	85.8	84.1	91.6	68.7	80.2	102	61	67	67	....	89	56	....	.662	.668	.....	2.64	1.54	4.8	5.2	....	4.7
August	28.925	29.130	28.670	69.5	87.1	83.3	93.6	67.9	80.8	104	51	63	64	....	81	49	....	.590	.617	.....	3.39	1.51	5.6	3.8	....	4.4
September	28.967	29.160	28.680	61.5	76.6	73.7	82.9	60.9	71.9	98	49	58	60	....	90	60	....	.499	.539	.....	4.23	1.51	6.2	6.1	....	6.2
October	29.097	29.440	28.530	47.4	59.6	53.8	63.1	45.6	54.4	79	24	44	46	....	90	63	....	.311	.335	.....	7.42	2.05	6.2	5.8	....	6.7
November	29.048	29.295	28.640	38.1	53.3	48.1	57.5	36.9	47.2	72	26	35	38	....	88	58	....	.209	.235	.....	1.59	.92	3.3	4.6	....	4.9
December	29.011	29.530	28.300	33.9	42.5	39.5	47.2	30.1	38.6	61	5	31	33	....	88	71	....	.179	.197	.....	1.14	.77	5.3	5.9	....	6.8
Year	28.977	29.797	27.930	48.7	61.7	59.2	67.6	46.2	56.9	104	3	44	46	....	84	59	....	.346	.371	.....	39.03	3.14	5.4	5.3	....	5.6

JACKSONVILLE, FLA.

[ϕ=30° 20′ N.; λ=81° 39′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	30.120	30.500	29.780	53.1	63.5	59.0	67.9	50.6	59.2	79	38	48	50	49	85	63	72	0.362	0.381	0.363	1.37	0.99	3.8	3.7	2.6	4.0
February	30.145	30.400	29.910	51.7	61.8	58.7	66.9	49.0	58.0	81	30	46	45	48	82	58	70	.364	.348	.370	1.93	1.03	4.7	4.4	3.0	4.4
March	30.061	30.360	29.570	59.2	69.8	64.1	73.1	56.1	64.6	84	34	54	53	56	88	57	76	.441	.429	.464	1.15	.46	4.6	4.7	4.4	4.7
April	29.970	30.360	29.570	64.7	73.6	68.9	76.7	61.7	69.2	89	50	60	57	60	85	58	74	.532	.480	.522	.98	.37	5.4	6.1	4.8	5.3
May	29.881	30.120	29.510	69.6	76.0	70.8	79.4	65.2	72.3	88	51	64	62	64	82	64	80	.612	.582	.610	8.73	1.41	5.1	7.2	5.7	6.3
June	29.960	30.160	29.710	76.6	82.3	77.3	84.9	72.6	78.8	91	68	70	68	70	81	64	78	.741	.695	.731	4.94	1.72	6.1	7.6	7.1	7.3
July	29.980	30.160	29.790	77.7	84.1	78.8	87.4	72.5	80.0	94	68	72	70	71	82	64	77	.778	.729	.765	5.14	1.26	5.1	6.8	7.3	6.8
August	30.001	30.120	29.850	77.7	87.2	79.6	90.1	73.7	81.9	94	70	72	70	72	84	57	77	.792	.734	.772	4.67	1.53	4.5	6.5	7.0	6.0
September	29.974	30.190	29.780	75.0	82.6	77.0	85.0	72.2	78.6	93	66	70	68	70	85	63	80	.728	.686	.743	4.89	2.05	5.0	6.2	3.8	5.9
October	29.980	30.270	29.570	65.2	74.6	69.8	76.6	63.2	69.9	89	46	59	57	61	80	57	74	.519	.490	.551	4.75	3.85	4.2	5.8	3.3	5.3
November	30.042	30.370	29.800	53.0	64.7	60.8	67.9	51.3	59.6	78	37	46	46	47	78	54	64	.336	.336	.346	.06	.05	4.3	5.1	2.7	4.7
December	30.102	30.440	29.650	56.8	65.4	61.7	68.9	54.6	61.8	78	38	52	53	53	86	66	74	.414	.416	.418	1.38	.40	6.6	6.6	3.8	6.5
Year	30.018	30.500	29.510	65.0	73.8	68.9	77.1	61.9	69.5	94	30	59	58	60	83	60	75	.552	.526	.554	39.99	3.85	5.0	5.9	4.6	5.6

JUNEAU, ALASKA *

[ϕ=58° 18′ N.; λ=134° 24′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.692	30.400	28.880	26.4	28.2	26.7	30.1	22.9	26.5	38	12	20	21	19	76	73	71	0.113	0.118	0.108	5.16	1.09	7.9	7.8	7.2	7.9
February	30.038	30.840	29.200	31.5	33.8	31.6	36.9	27.8	32.4	45	9	25	24	24	77	70	74	.145	.147	.143	13.39	3.19	7.8	7.8	7.1	7.6
March	29.900	30.460	29.270	31.3	35.8	32.9	37.7	27.9	32.8	48	14	26	25	27	81	66	79	.145	.140	.150	7.05	1.62	8.6	8.0	7.9	8.2
April	29.776	30.210	29.140	40.1	45.7	41.5	48.4	35.0	41.7	57	28	33	31	34	77	63	75	.190	.184	.195	5.44	1.57	7.2	7.9	7.8	7.7
May	29.847	30.270	29.330	47.3	53.9	49.9	56.7	39.7	48.2	67	32	40	38	39	77	58	68	.250	.235	.237	3.24	.93	6.5	7.4	7.1	7.5
June	29.884	30.240	29.570	55.8	60.1	58.5	63.9	45.4	54.6	80	40	46	46	46	74	62	66	.306	.316	.309	1.43	.69	6.4	7.5	5.6	6.9
July	29.972	30.230	29.757	58.4	63.8	61.8	68.1	50.8	59.4	82	47	50	50	52	76	66	73	.360	.373	.389	4.10	1.30	6.1	6.4	5.7	6.4
August	29.878	30.160	29.340	56.2	63.2	59.2	67.4	50.4	58.9	87	46	51	52	53	84	79	82	.377	.388	.407	6.86	1.95	5.3	5.8	6.4	6.1
September	29.833	30.290	29.120	48.3	53.7	50.6	55.8	45.4	50.6	65	35	46	45	46	90	76	87	.308	.308	.319	16.46	3.03	8.0	7.8	7.5	7.7
October	29.792	30.480	29.027	44.1	48.1	44.4	51.0	41.1	46.0	63	30	41	43	42	90	84	93	.261	.281	.274	8.66	1.43	7.8	7.9	8.1	8.3
November	29.636	30.080	29.080	39.8	42.2	40.6	44.9	36.6	40.8	64	27	36	36	36	85	81	84	.210	.219	.214	11.71	1.53	9.0	8.8	8.7	9.1
December	29.492	30.780	28.600	32.1	32.9	32.0	35.4	28.5	32.0	49	9	27	28	27	81	83	81	.156	.162	.156	13.13	1.64	8.8	8.9	8.8	9.1
Year	29.812	30.840	28.600	42.4	46.8	44.1	49.7	37.6	43.7	87	9	37	37	37	81	71	78	.235	.239	.242	97.53	3.19	7.4	7.7	7.3	7.7

* At Juneau, observations at 8 a. m. and 8 p. m., one hundred and thirty-fifth meridian time.

Annual meteorological summary for the year ending December 31, 1923—Continued

INDIANAPOLIS, IND.

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

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorms	Auroras
	Miles		*Mi.*																									
January	14.0	W.	42	W.	2	4	2	7	11	9	3	19	7	0	4	5	22	16	13	10	1	0	2	2	0	24	1	0
February	13.5	NW.	54	W.	2	4	8	2	4	7	9	11	11	0	6	3	19	10	6	14	5	0	2	15	0	23	0	0
March	15.6	NW.	60	SW.	4	5	1	7	4	13	11	9	12	0	6	9	16	14	8	8	3	0	0	3	0	21	2	0
April	13.8	SW.	52	W.	3	2	12	3	3	13	9	10	8	0	11	8	11	10	8	1	0	0	0	0	0	3	1	0
May	13.6	NE.	48	NW.	2	2	17	12	8	8	6	5	4	0	7	13	11	11	11	2	2	0	0	0	0	2	7	0
June	10.0	SW.	36	W.	0	4	4	7	9	11	17	4	4	0	13	10	7	9	8	0	0	0	0	0	5	0	6	0
July	8.5	NE.	40	NW.	1	10	17	4	7	7	12	4	1	0	12	12	7	8	6	0	0	0	0	0	7	0	10	0
August	8.7	SW.	52	W.	2	5	14	5	4	8	15	7	4	0	9	14	8	13	10	0	0	1	0	0	3	0	12	0
September	8.8	S.	28	W.	0	4	11	7	7	15	9	5	2	0	7	12	11	8	7	0	0	0	1	0	0	0	6	0
October	10.5	NE.	36	S.	0	9	15	8	6	5	4	4	11	0	12	10	9	7	5	0	0	0	0	0	0	2	1	0
November	11.6	SE.	35	SE.	0	5	5	6	11	9	8	5	11	0	8	7	15	10	6	3	0	0	1	0	0	2	0	0
December	12.1	S.	44	W.	3	8	5	5	9	14	10	9	2	0	6	8	17	17	16	3	2	0	3	0	0	8	0	0
Year	11.7	S.	60	SW.	19	62	111	73	83	119	113	92	77	0	101	111	153	133	104	41	13	1	9	20	15	85	46	0

IOLA, KANS.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	7.2	S.	33	NW.	0	3	3	2	6	2	4	6	5	0	6	11	14	5	4	0	0	0	2	0	0	20	1	0
February	8.0	N.	30	NW.	0	7	6	3	0	7	2	1	2	0	11	9	8	5	3	2	1	0	0	5	0	23	0	0
March	10.2	S.	31	N.	0	6	5	1	2	10	1	1	5	0	10	9	12	7	7	3	2	1	0	0	0	19	2	0
April	8.9	S.	30	S.	0	5	5	1	5	8	1	0	4	1	12	7	11	11	9	0	0	1	0	0	0	1	5	0
May	6.9	N.	36	NW.	0	9	10	2	4	2	3	0	1	0	8	12	11	15	13	0	0	1	0	0	0	0	9	0
June	6.1	S.	30	W.	0	5	1	2	8	10	2	1	0	1	7	15	8	9	7	0	0	1	0	0	7	0	7	0
July	4.1	S.	18	NW.	0	1	4	7	4	12	0	1	1	1	11	15	5	4	3	0	0	0	1	0	19	0	7	0
August	5.4	S.	21	N.	0	4	3	4	4	12	1	1	2	0	12	16	3	10	7	0	0	0	0	0	21	0	11	0
September	5.4	SE.	22	NE.	0	2	3	7	5	5	3	2	2	1	8	10	14	13	9	0	0	0	0	0	6	0	9	0
October	4.6	N.	21	N.	0	7	5	6	5	2	0	1	2	3	8	6	17	13	13	0	0	0	2	0	0	4	2	0
November	5.5	N.	24	N.	0	3	2	3	1	5	4	2	9	1	11	10	9	4	4	1	1	0	3	0	0	5	0	0
December	6.9	S.	26	N.	0	7	2	0	4	8	2	3	4	1	8	7	16	7	6	2	0	0	1	1	0	17	0	0
Year	6.6	S.	36	NW.	0	59	49	38	48	83	23	19	37	9	110	127	128	103	85	8	4	4	9	6	53	89	53	0

JACKSONVILLE, FLA.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	11.7	SW.	39	SW.	0	8	12	6	4	6	10	9	7	0	17	7	7	7	6	0	0	0	4	0	0	0	2	0
February	12.1	SW.	38	SW.	0	13	13	5	0	2	12	4	7	0	11	10	7	4	4	0	0	0	3	0	0	1	2	0
March	13.3	SW.	54	SW.	4	11	14	5	6	9	9	3	5	0	12	10	9	11	5	0	0	0	1	0	0	0	1	0
April	13.1	NE.	50	NW.	1	9	15	7	11	4	5	8	1	0	7	17	6	6	5	0	0	0	1	0	0	0	5	0
May	10.7	SE.	43	S.	1	6	8	6	15	6	15	3	3	0	6	14	11	20	17	0	0	0	1	0	0	0	17	0
June	11.9	SW.	48	NE.	2	4	5	7	9	14	10	9	1	1	1	12	17	17	16	0	0	0	0	0	3	0	14	0
July	10.6	SW.	44	SE.	1	2	5	6	3	9	23	8	4	0	4	11	16	15	13	0	0	0	0	0	11	0	17	0
August	9.8	SW.	48	SW.	1	1	3	0	7	12	22	13	4	0	7	14	10	16	15	0	0	0	1	0	18	0	23	0
September	10.2	E.	38	NE.	0	8	12	13	10	9	1	4	3	0	7	14	9	14	11	0	0	0	1	0	6	0	10	0
October	12.7	NE.	34	NE.	0	11	22	6	10	2	4	2	5	0	11	9	11	8	5	0	0	0	0	0	0	0	1	0
November	12.8	NE.	35	NE.	0	10	16	5	2	2	7	10	8	0	13	7	10	2	1	0	0	0	5	0	0	0	0	0
December	12.5	NE.	37	W.	0	5	12	9	5	8	10	8	5	0	6	10	15	9	6	0	0	0	6	0	0	0	0	0
Year	11.8	SW.	54	SW.	10	88	137	77	82	83	128	81	53	1	102	135	128	129	104	0	0	0	23	0	38	1	92	0

JUNEAU, ALASKA *

[H_b=80 ft.; h_t=11 ft.; h_r=4 ft.; h_a=54 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	7.9	S.	38	E.	0	1	1	8	24	16	0	5	6	1	7	1	23	21	18	25	21	0	0	17	0	31	0	0
February	10.6	E.	64	E.	3	2	0	15	19	9	1	6	3	1	5	5	18	18	16	15	12	0	1	4	0	18	0	0
March	7.2	S.	30	E.	0	1	1	10	21	16	3	3	6	1	4	7	20	22	19	21	20	0	0	4	0	24	0	0
April	7.2	S.	28	SE.	0	4	2	11	17	14	1	7	3	1	5	5	20	18	14	2	0	0	0	0	0	5	0	0
May	6.1	S.	31	S.	0	4	3	10	8	26	3	2	6	0	6	5	20	19	12	0	0	0	0	0	0	1	0	0
June	6.4	S.	32	NW.	0	2	5	5	3	23	1	6	15	0	7	6	17	9	7	0	0	0	0	0	0	0	0	0
July	5.9	S.	25	NW.	0	2	3	4	6	27	5	8	7	0	9	8	14	13	12	0	0	0	0	0	0	0	0	0
August	4.2	S.	27	NW.	0	1	0	6	5	35	1	5	4	5	10	6	15	13	12	0	0	0	2	0	0	0	0	0
September	8.0	S.	40	SE.	1	1	3	9	18	21	1	2	4	1	5	4	21	24	23	0	0	0	1	0	0	0	0	0
October	6.5	S.	29	NW.	0	1	1	8	24	17	3	4	2	2	5	2	24	24	23	1	1	0	2	0	0	3	0	1
November	9.1	SE.	42	SE.	1	2	2	5	32	12	1	3	2	1	3	0	27	27	25	7	6	0	1	0	0	8	0	0
December	9.2	SE.	35	E.	0	0	3	12	33	9	2	2	1	0	2	2	27	27	23	23	20	0	0	5	0	18	0	0
Year	7.4	S.	64	E.	5	21	24	103	210	225	22	53	59	13	68	51	246	235	204	94	80	0	7	30	0	108	0	1

* At Juneau, for the observation hours see preceding page.

Annual meteorological summary for the year ending December 31, 1923—Continued

KALISPELL, MONT.

[ϕ=48° 10′ N.; λ=114° 25′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	26.828	27.190	26.330	26.0	29.8	29.9	33.4	21.3	27.4	48	−10	21	21	23	81	67	74	0.117	0.113	0.123	1.07	0.36	7.4	8.6	7.7	7.9
February	27.122	27.490	26.330	12.2	20.2	22.0	24.9	9.2	17.0	45	−16	10	13	15	90	72	74	.073	.085	.096	.94	.36	5.8	7.1	7.0	6.8
March	26.917	27.367	26.430	25.8	36.9	39.1	41.6	23.7	32.6	64	7	20	21	23	75	53	52	.104	.115	.122	.42	.17	5.1	6.0	6.9	5.8
April	26.846	27.180	26.370	33.4	48.7	50.5	53.6	31.6	42.6	78	19	25	22	22	68	38	36	.132	.118	.118	.41	.22	4.1	5.4	5.2	4.6
May	26.858	27.370	26.530	41.0	56.4	58.6	61.8	39.7	50.8	77	27	35	34	34	79	45	45	.207	.202	.205	2.88	.84	5.6	6.9	5.9	5.5
June	26.829	27.120	26.510	49.2	63.6	64.6	68.3	47.9	58.1	85	37	44	46	45	82	54	52	.290	.311	.307	1.49	.51	6.1	6.4	6.7	6.0
July	26.905	27.120	26.610	56.4	75.5	78.7	81.1	55.0	68.0	94	45	48	47	48	75	40	36	.339	.335	.337	1.60	.50	3.8	3.0	3.0	3.4
August	26.954	27.140	26.779	51.8	71.9	74.5	77.6	50.9	64.0	92	44	45	46	44	79	42	38	.307	.318	.299	.96	.50	3.3	4.2	3.8	3.7
September	26.968	27.254	26.677	44.0	66.4	68.8	72.1	41.9	57.0	83	31	35	37	36	72	36	32	.206	.225	.213	.23	.22	2.7	2.3	3.0	2.9
October	26.909	27.440	26.250	35.2	50.7	50.6	54.9	33.2	44.0	76	13	30	30	32	81	46	51	.173	.173	.187	.55	.18	3.6	4.4	4.4	4.2
November	27.041	27.390	26.400	31.1	36.2	36.2	39.1	28.3	33.7	49	18	28	28	29	87	74	78	.152	.155	.165	.89	.46	7.9	8.2	7.4	7.7
December	26.943	27.470	26.080	21.6	27.2	27.1	31.2	17.8	24.5	49	−26	18	19	20	84	72	75	.103	.112	.116	1.55	.83	5.8	7.8	5.5	7.1
Year	26.934	27.490	26.080	35.6	48.6	50.0	53.2	33.4	43.3	94	−26	30	30	31	79	53	54	.184	.188	.191	12.99	.84	5.1	5.9	5.5	5.5

KANSAS CITY, MO.

[ϕ=39° 05′ N.; λ=94° 37′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.005	29.590	28.540	33.7	42.7	42.2	47.7	30.3	39.0	63	19	25	28	28	72	58	60	0.136	0.151	0.159	0.16	0.14	4.4	5.7	4.4	5.0
February	29.194	29.850	28.460	25.0	32.2	33.8	39.1	21.4	30.2	62	0	17	15	16	70	50	48	.107	.102	.098	.36	.22	4.9	4.3	3.5	4.5
March	28.985	29.560	28.060	32.1	42.9	43.4	50.4	28.5	39.4	78	0	25	26	26	72	55	53	.142	.151	.149	3.35	1.55	5.5	4.7	5.6	5.1
April	28.915	29.220	28.280	47.5	57.5	59.5	63.5	44.7	54.1	79	26	37	38	39	69	52	50	.229	.240	.257	1.84	.87	5.4	5.2	4.8	4.9
May	28.866	29.210	28.200	56.5	67.2	67.4	71.8	54.2	63.0	85	37	48	49	49	74	54	55	.350	.376	.375	2.25	.66	5.0	5.3	5.3	5.2
June	28.895	29.184	28.490	69.1	77.8	78.0	81.8	66.4	74.1	96	56	63	64	64	83	64	64	.594	.600	.603	6.51	2.52	4.7	5.2	4.7	4.7
July	28.964	29.160	28.785	73.4	83.5	83.6	87.5	71.1	79.3	97	60	65	65	66	76	55	57	.619	.619	.642	3.40	2.40	3.7	4.2	3.3	4.0
August	28.944	29.200	28.740	70.7	81.4	81.5	86.3	68.3	77.3	99	52	63	64	64	77	57	57	.581	.599	.608	2.88	1.52	5.4	4.9	3.7	4.5
September	28.980	29.235	28.650	62.8	73.7	72.6	77.9	60.6	69.2	89	49	57	58	59	82	60	64	.478	.496	.515	9.01	2.83	5.5	5.1	4.2	4.8
October	29.129	29.470	28.550	47.7	57.6	56.3	61.1	46.1	53.6	78	28	42	42	42	80	58	60	.283	.285	.281	4.14	1.78	5.4	5.2	4.8	4.7
November	29.058	29.340	28.660	40.6	51.5	49.8	54.8	39.2	47.0	71	24	34	34	35	77	53	57	.200	.204	.207	1.66	1.01	4.4	4.4	3.5	4.5
December	29.026	29.590	28.330	35.3	42.1	41.5	46.3	31.8	39.0	60	0	29	30	30	77	64	65	.166	.175	.175	1.12	.70	4.4	6.1	4.7	6.1
Year	28.997	29.850	28.050	49.6	59.2	59.1	64.0	46.9	55.4	99	0	42	43	43	76	57	58	.324	.333	.339	37.28	2.83	4.9	5.0	4.4	4.9

KEOKUK, IOWA

[ϕ=40° 22′ N.; λ=91° 26′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.382	29.980	28.850	29.9	36.3	35.3	41.3	26.5	33.9	56	12	24	25	26	79	62	68	0.133	0.134	0.141	1.13	0.48	5.2	7.0	6.0	7.0
February	29.561	30.210	28.900	21.2	28.0	28.2	33.6	16.6	25.1	52	−6	14	15	17	72	56	61	.096	.096	.102	.35	.19	5.7	6.1	4.4	5.9
March	29.367	29.980	28.330	30.4	38.6	37.9	46.5	25.4	36.0	71	−4	22	22	25	71	53	60	.126	.132	.143	3.54	1.09	4.8	5.1	5.7	5.3
April	29.290	29.760	28.650	45.7	56.1	56.7	62.2	40.6	51.4	82	25	35	33	36	67	45	47	.210	.199	.218	1.16	.59	6.0	6.5	6.0	6.1
May	29.246	29.550	28.650	56.6	67.5	66.4	71.7	52.2	62.0	85	35	46	46	47	68	49	53	.328	.343	.354	2.37	1.22	6.4	7.3	6.3	6.7
June	29.282	29.611	28.860	69.9	79.7	77.4	82.9	65.0	74.0	96	51	62	61	62	77	55	62	.572	.566	.578	3.17	1.43	4.2	5.4	5.7	5.6
July	29.333	29.540	29.140	73.3	84.9	84.2	88.6	68.9	78.8	97	61	64	61	63	72	47	50	.603	.553	.577	1.61	.67	4.4	5.1	5.6	5.0
August	29.317	29.570	29.080	69.0	79.2	78.7	84.5	65.3	74.9	98	51	62	62	63	78	58	61	.565	.581	.596	3.63	1.02	5.9	6.1	4.1	5.5
September	29.374	29.690	28.940	64.3	72.1	69.5	76.2	58.0	67.1	88	40	56	55	56	83	58	65	.474	.465	.482	4.64	1.27	6.8	6.9	5.3	6.3
October	29.507	29.800	28.892	44.2	57.2	54.1	60.4	42.0	51.2	76	25	38	37	39	79	49	58	.244	.234	.254	.82	.30	4.0	4.9	4.2	4.6
November	29.416	29.750	28.880	38.1	48.8	45.4	51.8	35.3	43.6	70	26	32	33	34	79	56	65	.186	.196	.202	1.26	.55	5.3	5.4	4.6	5.5
December	29.381	29.950	28.700	35.5	42.2	40.2	46.9	31.4	39.2	60	0	30	30	31	78	64	70	.168	.179	.182	1.79	.93	5.6	6.4	6.1	6.6
Year	29.371	30.210	28.330	47.9	57.6	56.2	62.2	43.9	53.1	98	−6	40	40	42	75	54	60	.309	.306	.319	25.47	1.43	5.4	6.0	5.3	5.8

KEY WEST, FLA.

[ϕ=24° 33′ N.; λ=81° 48′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	30.104	30.440	29.940	67.1	73.5	69.2	75.7	65.3	70.5	81	57	64	65	63	90	75	82	0.606	0.628	0.589	0.35	0.17	2.6	3.3	1.4	2.9
February	30.125	30.290	29.970	70.0	75.0	71.2	77.3	68.2	72.8	83	56	67	68	65	90	76	81	.667	.695	.630	.06	.06	4.0	3.0	3.0	3.4
March	30.046	30.200	29.830	74.6	78.8	74.0	81.1	71.2	76.2	85	63	67	66	66	77	66	76	.659	.644	.633	.39	.23	3.7	2.4	1.2	2.4
April	29.973	30.160	29.800	77.3	80.8	76.3	83.6	72.2	77.9	87	65	67	68	67	72	64	73	.678	.682	.662	1.08	1.01	2.4	2.3	1.4	2.4
May	29.894	30.080	29.720	78.8	81.5	78.2	83.8	73.9	78.8	88	66	70	70	70	74	69	75	.734	.743	.727	5.67	2.91	3.4	3.5	4.2	3.6
June	29.983	30.110	29.870	81.9	84.8	80.4	86.8	76.4	81.6	90	71	73	73	72	75	70	77	.814	.824	.792	3.14	.87	4.6	4.8	5.8	5.1
July	30.004	30.080	29.890	82.3	85.2	81.8	87.9	77.6	82.8	90	69	73	73	73	74	68	75	.816	.815	.812	2.88	.94	4.5	4.1	3.9	4.7
August	30.014	30.130	29.900	82.1	84.7	81.5	88.0	77.4	82.7	90	71	74	73	72	76	69	74	.828	.820	.799	3.88	1.58	4.8	4.5	3.8	4.5
September	29.937	30.120	29.760	82.0	84.8	80.5	87.5	77.1	82.3	[illegible]	72	74	74	73	77	70	78	.844	.828	.806	4.97	1.30	4.3	4.0	4.6	4.6
October	29.923	30.103	29.650	76.8	80.5	76.5	82.6	73.6	78.1	89	64	68	68	68	76	66	74	.708	.695	.686	1.39	.59	5.9	5.4	3.4	5.2
November	30.021	30.180	29.860	69.6	73.9	70.2	75.9	67.4	71.6	83	56	62	62	62	78	68	77	.571	.580	.574	.73	.69	4.7	4.3	3.4	4.2
December	30.085	30.250	29.870	70.4	75.6	71.3	77.8	68.0	72.9	82	60	63	64	64	82	68	78	.615	.602	.608	.35	.11	4.4	3.0	3.3	4.0
Year	30.009	30.440	29.650	76.1	79.9	75.9	82.3	72.4	77.4	90	56	69	69	68	78	69	77	.712	.713	.693	24.89	2.91	4.1	3.7	3.3	3.9

Annual meteorological summary for the year ending December 31, 1923—Continued

KALISPELL, MONT.

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

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorms	Auroras
	Miles		*Mi.*																									
January	5.1	NW.	34	SW.	0	3	0	1	9	6	12	7	23	1	1	10	20	16	7	19	12	0	0	14	0	28	0	0
February	4.1	NW.	21	NE.	0	3	7	0	8	5	2	13	18	0	6	8	14	9	6	12	9	0	0	19	0	28	0	0
March	5.8	NW.	36	W.	0	0	4	2	11	6	16	8	14	1	8	12	11	7	4	10	5	0	0	4	0	28	0	0
April	7.0	NW.	31	SW.	0	1	6	1	11	5	10	6	20	0	10	12	8	5	2	5	2	0	0	0	0	16	0	0
May	5.7	NW.	30	SW.	0	0	1	1	15	6	8	12	19	0	7	16	8	17	12	3	1	0	0	0	0	3	2	0
June	5.4	NW.	43	SW.	1	1	4	6	12	2	8	7	20	0	6	12	12	11	10	0	0	1	0	0	0	0	9	0
July	5.8	NW.	26	SW.	0	3	1	1	16	0	4	9	25	0	20	8	3	8	7	0	0	1	0	0	3	0	6	0
August	5.3	NW.	29	SW.	0	1	5	2	12	1	6	7	28	0	18	9	4	9	4	0	0	0	0	0	1	0	7	0
September	5.6	NW.	36	NW.	0	1	5	2	9	1	8	7	27	0	21	6	3	3	2	0	0	0	0	0	0	1	0	0
October	5.0	NW.	26	SW.	0	3	4	4	12	2	6	11	20	0	15	7	9	8	7	0	0	0	1	0	0	10	0	0
November	3.8	NW.	35	SW.	0	2	4	3	4	6	6	12	23	0	3	8	19	8	5	2	3	0	0	7	0	24	0	0
December	5.1	NW.	30	SW.	0	3	2	0	9	7	10	12	19	0	4	11	16	9	5	15	8	0	1	16	0	30	0	0
Year	5.3	NW.	43	SW.	1	21	43	23	131	47	96	111	256	2	119	119	127	110	71	66	40	2	2	60	4	168	24	0

KANSAS CITY, MO.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	11.6	NW.	43	NW.	1	6	5	3	10	10	9	6	13	0	12	9	10	3	1	1	0	0	0	1	0	17	1	0
February	11.9	NW.	48	NW.	2	13	2	2	5	10	7	3	14	0	11	10	7	4	2	2	1	0	0	8	0	23	0	0
March	14.7	NW.	49	NW.	3	11	4	8	8	11	6	2	12	0	13	7	11	11	8	8	7	1	0	2	0	23	4	0
April	12.3	S.	39	W.	0	10	7	8	4	15	2	4	10	0	13	9	8	13	8	3	0	1	0	0	0	2	4	0
May	11.2	E.	43	W.	2	7	10	15	11	2	5	4	8	0	11	12	8	13	11	0	0	0	1	0	0	0	7	0
June	9.2	S.	52	NE.	2	5	4	14	9	18	4	2	4	0	10	16	4	12	11	0	0	1	0	0	6	0	10	0
July	7.2	E.	36	NW.	0	7	9	11	11	15	5	1	3	0	15	13	3	10	8	0	0	0	0	0	14	0	10	0
August	8.5	N.	31	N.	0	12	7	11	13	11	5	2	1	0	14	10	7	13	9	0	0	0	0	0	10	0	13	0
September	8.5	SE.	41	NW.	2	7	4	14	15	7	5	3	5	0	11	13	6	12	11	0	0	1	0	0	0	0	10	0
October	8.3	E.	39	NW.	0	15	5	14	8	6	1	4	9	0	12	9	10	10	10	1	0	0	3	0	0	2	3	0
November	9.9	NW.	30	NW.	0	10	5	2	7	9	11	7	9	0	14	7	9	4	4	1	1	0	2	0	0	4	0	0
December	11.3	SW.	35	NW.	0	8	4	2	5	15	10	6	12	0	11	6	14	8	4	2	2	0	2	1	0	13	0	0
Year	10.4	S.	52	NE.	12	111	66	104	106	129	70	44	100	0	147	121	97	113	87	18	11	4	8	12	30	84	62	0

KEOKUK, IOWA

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	8.3	NW.*	30	NW.	0	6	5	11	9	6	6	6	13	0	5	7	19	7	4	4	2	0	2	3	0	28	0	0
February	8.9	NW.	42	W.	1	9	0	3	6	4	9	6	19	0	9	7	12	4	3	7	1	0	2	12	0	26	0	0
March	10.1	NW.	37	W.	0	12	2	5	6	12	5	3	17	0	12	7	12	10	8	8	5	0	0	3	0	25	1	0
April	9.2	N.	40	SW.	1	12	7	7	3	12	6	7	6	0	8	6	16	8	5	2	0	0	0	0	0	4	3	0
May	8.1	E.	44	NW.	1	6	12	20	4	3	6	5	6	0	3	13	15	10	8	1	0	1	0	0	0	0	5	0
June	6.3	S.	29	SW.	0	8	7	8	5	18	7	3	4	0	8	16	6	12	10	0	0	0	0	0	9	0	11	0
July	4.9	NE.	23	W.	0	6	11	10	7	15	8	3	2	0	13	8	10	4	4	0	0	0	0	0	13	0	6	0
August	5.3	NE.	21	SW.	0	10	8	10	5	8	13	3	4	1	11	8	12	15	11	0	0	0	0	0	4	0	12	0
September	6.0	SE.	26	SW.	0	8	6	18	10	4	6	4	4	0	8	6	16	12	11	0	0	0	0	0	0	0	8	0
October	4.9	NW.	24	W.	0	7	4	11	6	5	3	8	16	2	15	5	11	9	7	1	0	0	1	0	0	4	0	0
November	6.6	S.	22	W.	0	11	3	1	7	13	7	4	14	0	11	8	11	8	6	2	2	0	2	0	0	13	0	0
December	7.7	SW.	31	NW.	0	10	1	4	3	12	13	6	12	1	7	8	16	8	5	2	1	0	1	1	0	15	0	0
Year	7.2	NW.	44	NW.	3	105	66	108	71	112	89	58	117	4	110	99	156	107	82	27	11	1	8	19	26	115	46	0

KEY WEST, FLA.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	9.3	NE.	37	W.	0	9	19	13	11	4	3	0	3	0	20	10	1	5	3	0	0	0	0	0	0	0	0	0
February	10.6	SE.	24	E.	0	8	17	10	17	2	0	0	2	0	17	7	4	1	1	0	0	0	0	0	0	0	0	0
March	11.6	SE.	28	N.	0	8	8	20	23	2	2	3	1	0	25	5	1	4	3	0	0	0	0	0	0	0	0	0
April	9.0	SE.	50	NW.	1	9	7	4	16	4	6	3	11	0	22	7	1	3	3	0	0	0	0	0	0	0	7	0
May	10.3	SE.	36	SW.	0	2	4	8	22	6	6	4	10	0	15	13	3	9	7	0	0	0	0	0	0	0	9	0
June	8.2	SE.	43	SW.	1	1	2	11	27	8	3	0	8	0	11	8	11	11	10	0	0	0	0	0	0	0	11	0
July	8.1	SE.	29	E.	0	3	2	15	21	2	9	4	6	0	9	16	6	11	10	0	0	0	0	0	0	5	15	0
August	8.2	SE.	38	SE.	0	1	4	20	25	3	2	1	0	0	13	12	6	11	8	0	0	0	0	0	1	0	13	0
September	7.6	E.	24	S.	0	7	5	22	16	3	0	1	6	0	10	17	3	16	11	0	0	0	0	0	2	0	15	0
October	12.0	E.	39	NW.	0	10	16	19	11	3	0	0	3	0	13	8	10	6	4	0	0	0	0	0	0	0	1	0
November	9.8	NE.	26	N.	0	18	21	12	7	0	0	1	1	0	17	3	10	2	2	0	0	0	0	0	0	0	0	0
December	10.1	E.	31	NW.	0	9	17	22	8	2	1	1	1	1	17	10	4	8	3	0	0	0	0	0	0	0	0	0
Year	9.5	SE.	50	NW.	2	85	117	182	204	39	32	18	52	1	189	116	60	87	65	0	0	0	0	0	8	0	71	0

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1923—Continued

KNOXVILLE, TENN.

[ϕ=35° 56′ N.; λ=83° 58′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.001	29.480	28.598	39.6	46.6	47.2	51.7	36.3	44.0	63	25	34	34	35	81	65	65	0.202	0.205	0.215	5.73	1.41	8.1	7.8	7.2	8.0
February	29.128	29.580	28.750	34.5	45.2	42.4	47.3	31.4	39.4	71	8	29	29	29	82	61	60	.186	.188	.181	4.80	1.41	6.4	6.6	5.2	6.8
March	29.029	29.430	28.320	43.5	55.2	52.3	60.4	37.7	49.0	78	16	35	33	35	74	52	54	.226	.207	.218	7.82	2.13	6.5	6.7	5.9	6.5
April	28.958	29.470	28.500	50.9	63.7	61.9	69.2	45.6	57.4	83	23	43	40	40	74	46	49	.291	.272	.269	5.65	1.45	5.9	5.6	5.2	5.8
May	28.880	29.170	28.600	59.8	70.1	67.2	74.9	55.5	65.2	85	38	53	52	54	80	57	66	.418	.414	.442	4.53	.86	8.5	8.7	8.6	8.6
June	28.958	29.150	28.567	69.5	80.8	75.9	84.7	65.0	74.8	92	50	64	61	63	82	53	65	.594	.558	.585	4.26	1.64	6.3	7.1	8.1	7.1
July	28.974	29.240	28.740	70.7	81.9	79.5	86.3	66.7	76.5	93	54	66	65	67	86	58	67	.649	.627	.666	5.32	1.68	6.3	8.1	7.9	7.5
August	28.981	29.170	28.850	69.9	81.7	77.9	85.8	66.6	76.2	92	54	66	66	66	89	60	69	.647	.649	.657	2.97	1.00	6.5	6.5	4.7	6.1
September	29.036	29.350	28.819	64.7	79.7	74.2	83.1	61.7	72.4	89	50	61	60	62	88	51	66	.542	.524	.565	1.50	.66	3.6	3.8	3.2	3.6
October	29.060	29.310	28.530	50.2	66.9	63.0	70.9	47.5	59.2	82	35	45	45	46	82	48	54	.304	.309	.318	.74	.34	3.6	3.3	3.5	3.6
November	29.036	29.410	28.700	40.9	52.7	51.4	57.0	38.2	47.6	68	28	35	39	40	82	62	66	.213	.244	.251	1.96	.80	3.8	5.1	5.0	4.9
December	29.040	29.569	28.370	43.7	52.8	50.6	57.4	38.3	47.8	70	21	42	47	45	92	82	81	.284	.341	.309	3.72	.83	7.0	6.7	6.6	6.9
Year	29.012	29.580	28.320	53.2	64.8	62.0	69.1	49.2	59.1	93	8	48	48	48	83	58	64	.380	.378	.390	49.00	2.13	6.0	6.3	6.0	6.3

LA CROSSE, WIS.

[ϕ=43° 49′ N.; λ=91° 15′ W.]

Month	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
January	29.248	29.810	28.680	18.5	24.4	23.9	29.5	13.6	21.6	43	4	15	18	----	86	73	----	0.088	0.096	----	0.75	0.29	7.8	7.7	7.5	7.7
February	29.306	30.005	28.850	7.0	17.6	17.1	23.2	2.4	12.8	50	−22	4	9	----	88	69	----	.061	.074	----	.70	.28	5.5	6.3	5.4	6.3
March	29.227	29.838	28.550	18.4	28.6	27.4	34.3	14.2	24.2	65	−12	15	18	----	84	62	----	.091	.104	----	2.63	1.07	5.3	6.0	7.5	6.2
April	29.181	29.624	28.520	38.5	50.5	49.2	55.6	35.3	45.4	81	20	32	32	----	79	52	----	.190	.187	----	1.69	.85	5.5	5.7	6.1	5.6
May	29.185	29.550	28.800	52.5	67.5	66.0	71.6	48.2	59.9	87	33	42	41	----	68	41	----	.277	.262	----	1.53	.71	5.3	4.4	5.9	5.2
June	29.168	29.538	28.720	65.2	79.4	75.5	82.4	60.8	71.6	94	47	60	60	----	84	52	----	.533	.540	----	4.86	1.48	5.6	5.6	5.2	5.5
July	29.232	29.480	28.950	68.2	83.9	81.2	87.9	64.5	76.2	98	53	62	61	----	82	48	----	.574	.552	----	.62	.44	4.9	5.5	4.4	5.1
August	29.228	29.500	28.900	60.7	75.1	72.5	78.6	57.5	68.0	91	43	57	56	----	87	58	----	.470	.461	----	2.30	1.07	5.3	5.4	4.9	5.3
September	29.275	29.554	28.880	54.8	68.5	64.5	71.8	52.7	62.2	86	31	52	54	----	90	60	----	.403	.435	----	4.00	1.53	6.1	7.0	5.4	6.6
October	29.381	29.660	28.760	39.4	54.4	49.0	57.8	37.2	47.5	77	20	36	35	----	89	51	----	.226	.220	----	.70	.41	4.9	4.9	4.4	5.2
November	29.273	29.541	28.760	32.5	44.8	40.5	48.7	29.7	39.2	63	14	28	30	----	84	57	----	.158	.175	----	.39	.19	5.4	6.3	5.0	5.8
December	29.239	29.790	28.420	27.9	36.9	32.8	40.7	23.6	32.2	54	−9	24	25	----	85	63	----	.133	.138	----	1.53	.70	6.5	5.2	4.7	5.5
Year	29.253	30.005	28.420	40.3	52.6	50.0	56.8	36.6	46.7	98	−22	36	37	----	84	57	----	.267	.270	----	21.70	1.53	5.7	5.8	5.5	5.8

LANDER, WYO.

[ϕ=42° 50′ N.; λ=108° 45′ W.]

Month	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
January	24.560	25.020	24.220	21.1	32.3	31.1	37.1	16.8	27.0	55	−4	14	19	18	73	57	58	0.081	0.100	0.095	0.41	0.23	3.7	4.4	5.6	4.7
February	24.697	25.064	23.870	7.2	19.4	21.4	27.3	1.9	14.6	47	−21	2	9	10	77	64	64	.050	.070	.072	.77	.32	4.6	4.1	4.9	4.2
March	24.575	24.958	24.080	19.9	32.4	36.3	40.7	15.6	28.2	62	−13	14	20	21	76	60	55	.085	.106	.110	1.88	.70	4.6	4.9	4.3	4.6
April	24.538	24.830	24.170	32.1	47.5	49.1	53.0	29.3	41.2	71	23	25	28	27	74	50	46	.132	.154	.149	2.38	1.76	5.5	4.7	5.5	5.1
May	24.576	25.070	24.220	42.9	58.0	60.7	64.7	40.5	52.6	80	29	33	38	39	67	51	49	.187	.231	.242	1.90	.56	3.8	4.9	5.5	4.8
June	24.582	24.900	24.210	48.5	67.8	70.9	74.0	46.5	60.2	88	37	38	42	43	68	41	40	.235	.271	.285	.86	.35	3.3	3.8	4.9	4.2
July	24.721	24.952	24.472	59.8	79.1	79.1	84.8	57.5	71.2	93	51	50	54	56	70	46	50	.363	.446	.464	2.26	.88	3.6	4.2	6.6	5.1
August	24.742	24.950	24.504	52.8	74.6	74.4	80.7	51.8	66.2	90	43	43	51	52	70	46	48	.283	.384	.394	.23	.18	3.2	4.0	6.3	4.5
September	24.715	24.930	24.400	44.0	63.9	64.8	70.0	42.8	56.4	86	31	37	40	42	74	46	48	.223	.247	.264	5.64	3.31	3.4	4.3	6.0	4.9
October	24.724	25.050	24.170	30.4	42.1	40.4	46.8	27.3	37.0	62	−3	26	31	29	83	67	68	.148	.180	.180	4.10	2.01	5.3	4.9	6.0	5.6
November	24.729	25.100	24.200	15.8	26.7	25.9	32.8	13.2	23.0	57	−6	11	17	17	80	64	67	.072	.095	.094	.65	.45	2.8	3.9	4.0	4.2
December	24.631	25.150	23.990	12.5	20.4	19.3	28.4	5.7	17.0	52	−30	7	10	9	78	63	62	.065	.073	.067	.48	.30	3.5	4.5	4.4	4.5
Year	24.649	25.150	23.870	32.3	47.0	47.8	53.4	29.1	41.2	93	−30	25	30	30	74	55	55	.160	.196	.201	21.56	3.31	3.9	4.4	5.3	4.7

LANSING, MICH.

[ϕ=42° 44′ N.; λ=84° 26′ W.]

Month	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
January	29.072	29.750	28.530	22.8	28.1	25.3	31.0	16.3	23.6	43	−5	20	22	21	90	76	82	0.110	0.119	0.115	1.65	0.38	8.4	8.2	7.0	8.4
February	29.159	29.590	28.650	15.0	22.8	19.8	26.0	9.4	17.7	40	−3	13	16	15	91	73	81	.081	.094	.095	1.01	.24	8.1	6.6	5.6	7.4
March	29.024	29.560	28.040	24.7	32.0	28.6	37.6	19.3	28.4	56	−1	20	22	22	82	64	75	.115	.121	.128	3.04	.98	6.1	6.5	5.3	6.6
April	29.003	29.583	28.430	38.6	51.4	45.8	55.9	32.1	44.0	80	8	31	34	32	74	53	60	.179	.201	.187	1.56	.53	5.4	5.7	4.8	5.3
May	29.012	29.430	28.401	49.4	64.1	58.6	69.2	40.0	54.6	84	26	38	41	40	67	47	53	.243	.269	.263	3.45	1.62	3.6	3.6	3.9	4.1
June	29.021	29.319	28.619	65.0	78.3	71.9	82.2	57.9	70.0	95	41	58	60	59	80	55	66	.510	.529	.518	2.90	.61	4.2	4.6	5.8	5.4
July	29.084	29.330	28.830	64.9	78.8	74.0	82.9	58.3	70.6	92	52	60	64	63	85	62	70	.528	.605	.580	4.76	2.33	4.3	3.9	4.0	4.4
August	29.048	29.240	28.720	60.5	75.0	68.7	79.4	54.0	66.7	91	40	56	60	58	87	60	69	.468	.531	.497	1.27	.54	5.4	5.0	3.8	5.5
September	29.146	29.493	28.790	55.5	68.4	61.2	72.2	52.0	62.1	86	36	53	56	56	92	67	83	.426	.476	.472	5.61	1.38	5.7	6.5	5.2	6.6
October	29.195	29.557	28.360	49.6	55.8	47.0	59.0	38.0	48.5	76	26	37	40	40	89	57	76	.231	.259	.255	1.89	.44	5.8	4.9	4.1	5.5
November	29.161	29.500	28.570	33.4	43.5	38.8	46.3	30.1	38.2	62	19	30	32	32	87	66	78	.171	.185	.186	1.48	.66	6.8	5.3	6.3	6.6
December	29.051	29.576	28.450	31.6	38.7	34.8	42.1	27.9	35.0	54	15	29	31	31	88	74	84	.162	.176	.173	2.96	.88	6.1	7.6	6.8	7.5
Year	29.076	29.750	28.040	41.8	53.1	47.9	57.0	36.3	46.6	95	−5	37	40	39	84	63	73	.269	.297	.289	31.08	2.33	5.8	5.8	5.2	6.1

Annual meteorological summary for the year ending December 31, 1923—Continued

KNOXVILLE, TENN.

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

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorms	Auroras
	Miles	*	*Mi.*																									
January	7.3	SW.	40	SW.	1	5	19	4	0	2	19	10	3	0	3	7	21	14	12	1	0	0	0	0	0	10	1	0
February	7.4	SW.	28	SW.	0	14	8	0	1	2	16	5	10	0	9	3	16	13	11	4	4	0	0	2	0	16	0	0
March	8.1	SW.	58	SW.	2	13	11	2	0	4	18	4	7	3	9	3	19	13	10	2	0	0	1	0	0	7	2	0
April	7.1	SW.	42	SW.	1	8	10	4	3	7	16	9	3	0	9	9	12	13	13	0	0	0	1	0	0	3	5	0
May	6.5	NE.	31	S.	0	7	18	7	6	8	12	2	2	0	1	7	23	19	17	1	0	0	0	0	0	0	7	0
June	6.2	SW.	28	NW.	0	4	11	4	6	7	19	4	5	0	4	9	17	12	9	0	0	0	0	0	5	0	11	0
July	4.8	SW.	26	W.	0	7	19	3	1	3	22	2	4	1	2	10	19	7	6	0	0	1	1	0	4	0	9	0
August	4.7	SW.	30	SW.	0	8	10	4	1	9	19	8	1	2	7	12	12	8	7	0	0	0	1	0	4	0	5	0
September	4.5	N.	25	W.	0	15	14	6	2	3	7	8	5	0	16	9	5	7	4	0	0	0	3	0	0	0	6	0
October	4.8	N.	19	N.	0	22	16	3	3	2	4	8	3	1	18	7	6	4	3	0	0	0	0	0	0	0	0	0
November	5.6	NE.	25	SW.	0	5	22	0	0	3	13	8	3	6	13	7	10	7	6	0	0	0	0	0	0	4	0	0
December	6.8	SW.	38	S.	0	2	17	3	0	2	21	9	2	6	4	12	15	15	11	2	1	0	0	0	0	8	1	0
Year	6.2	SW.	58	SW.	4	110	175	40	23	52	186	77	48	19	95	95	175	132	109	10	5	1	7	2	13	48	47	0

LA CROSSE, WIS.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	5.0	SE.	24	S.	0	5	2	0	8	4	4	5	3	0	4	5	22	10	7	17	10	0	0	20	0	31	0	0
February	5.9	NW.	24	W.	0	2	0	2	3	7	1	6	7	0	6	8	14	8	4	12	8	0	0	21	0	28	0	0
March	6.8	NW.	21	W.	0	4	0	0	2	9	2	4	10	0	10	5	16	11	9	15	11	0	0	13	0	29	0	0
April	5.5	S.	25	S.	0	2	2	3	6	7	1	4	5	0	12	4	14	10	9	6	4	0	0	0	0	14	1	0
May	4.9	SE.	21	NW.	0	1	0	4	10	4	3	2	7	0	13	7	11	5	5	1	1	0	0	0	0	0	5	0
June	3.8	SE.	37	NW.	0	1	0	3	13	5	1	3	2	2	9	10	11	10	9	0	0	1	2	0	6	0	7	0
July	3.5	SE.	17	W.	0	5	0	2	11	5	1	2	4	1	13	8	10	7	3	0	0	0	0	0	9	0	4	0
August	3.5	SE.	16	S.	0	3	1	1	9	4	2	5	6	0	11	9	11	16	8	0	0	0	1	0	3	0	5	0
September	3.9	SE.	15	S.	0	3	0	5	12	2	5	2	1	0	6	12	12	7	5	0	0	0	5	0	0	1	2	0
October	4.1	SE.	18	W.	0	2	0	1	12	3	3	6	4	0	13	5	13	5	5	0	0	0	3	1	0	8	0	0
November	5.5	SE.	19	SW.	0	2	0	0	13	4	3	4	4	0	10	8	12	5	5	6	2	0	0	1	0	26	0	0
December	5.5	SE.	21	S.	0	2	0	2	11	3	3	4	6	0	13	5	13	10	7	4	3	0	0	5	0	26	0	0
Year	4.8	SE.	37	NW.	0	32	5	23	110	57	29	47	59	3	120	86	159	104	76	61	39	1	11	61	18	157	24	0

LANDER, WYO.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	5.6	W.	64	SW.	3	3	4	10	2	7	10	15	11	0	10	16	5	4	2	4	4	0	0	10	0	31	0	0
February	3.5	SW.	48	W.	1	2	9	9	4	9	12	9	1	1	15	8	5	5	5	6	5	0	0	16	0	28	0	0
March	5.5	SW.	50	W.	1	3	4	2	7	6	17	14	9	0	14	10	7	7	6	7	7	0	0	6	0	31	0	0
April	5.8	SW.	52	SW.	1	6	8	5	2	3	13	14	8	1	12	11	7	5	4	6	3	0	0	1	0	24	0	0
May	5.9	SW.	44	SW.	2	1	4	2	8	5	15	12	14	1	11	15	5	9	8	2	2	1	0	0	0	4	3	0
June	6.2	SW.	46	SW.	1	1	5	4	5	3	23	14	4	1	13	13	4	6	6	0	0	1	0	0	0	0	4	0
July	5.1	SW.	54	SW.	1	4	5	6	4	3	16	13	11	0	10	16	5	12	9	0	0	1	0	0	5	0	8	0
August	4.9	SW.	36	SW.	0	4	4	9	3	1	21	12	6	2	12	17	2	5	2	0	0	0	0	0	2	0	6	0
September	4.8	SW.	32	W.	0	1	3	10	2	7	20	11	6	0	11	11	8	6	5	1	0	0	0	0	0	1	0	0
October	3.6	SW.	32	SW.	0	2	3	10	2	3	21	14	6	1	9	12	10	11	10	7	6	0	2	7	0	20	1	0
November	2.7	SW.	28	NW.	0	2	6	8	5	5	21	9	3	1	14	8	8	3	3	3	3	0	5	14	0	30	0	0
December	3.8	SW.	64	SW.	2	3	4	12	2	9	16	13	2	1	11	15	5	5	4	6	5	0	0	21	0	31	0	0
Year	4.8	SW.	64	SW.	12	32	59	87	46	61	205	150	81	9	142	152	71	78	64	42	35	3	7	75	7	200	22	0

LANSING, MICH.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	7.2	NW.	27	NW.	0	5	1	10	7	9	5	6	19	0	1	8	22	20	10	23	16	0	1	19	0	31	0	0
February	7.1	NW.	29	NW.	0	1	5	5	3	6	9	14	12	1	5	6	17	21	10	21	18	0	1	20	0	28	0	0
March	9.3	NW.	34	SW.	0	2	4	2	6	9	8	12	18	0	7	7	17	17	10	20	11	0	0	9	0	27	2	0
April	8.2	NW.	25	W.	0	4	11	1	3	9	13	7	11	1	10	9	11	11	10	7	3	0	0	0	0	17	2	0
May	5.9	E.	19	NW.	0	3	11	19	6	6	6	6	5	0	16	7	8	8	8	2	2	0	0	0	0	3	2	1
June	4.2	SW.	24	SW.	0	4	5	5	1	7	17	8	12	1	5	17	8	13	9	0	0	0	2	0	6	0	13	0
July	3.0	NE.	16	SW.	0	8	13	5	7	3	11	4	6	5	15	10	6	9	7	0	0	0	2	0	3	0	7	0
August	4.0	SW.	18	SW.	0	14	4	3	2	10	11	7	9	2	6	16	9	11	4	0	0	0	3	0	2	0	7	0
September	3.6	SW.	15	SW.	0	8	8	8	8	4	8	4	4	8	3	15	12	11	10	0	0	0	5	0	0	0	7	0
October	4.4	N.	19	NW.	0	15	2	0	8	3	10	9	11	4	9	10	12	8	5	3	1	0	1	0	0	10	0	0
November	5.9	S.	20	SW.	0	11	1	6	5	12	11	6	8	0	8	5	17	9	6	6	0	0	2	1	0	19	0	0
December	7.0	SW.	25	NW.	0	3	10	3	2	9	15	8	10	2	4	7	20	14	12	7	5	0	3	1	0	23	0	0
Year	5.8	NW.	34	SW.	0	79	75	67	58	87	124	91	125	24	89	117	159	152	101	89	56	0	20	50	11	158	40	1

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1923—Continued

LEWISTON, IDAHO

[ϕ=46° 25′ N.; λ=117° 02′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.190	29.600	28.783	36.7	43.4	----	46.3	33.5	39.9	61	19	30	31	----	78	62	----	0.172	0.176	----	1.66	0.75	8.1	7.3	----	7.7
February	29.489	29.880	28.196	24.2	33.5	----	38.0	22.4	30.2	62	9	19	22	----	78	63	----	.106	.126	----	.70	.18	6.0	7.3	----	7.0
March	29.325	29.750	28.780	36.9	50.3	----	55.5	34.5	45.0	80	25	28	28	----	70	42	----	.153	.152	----	.98	.37	4.9	6.9	----	6.3
April	29.143	29.540	28.710	41.7	60.4	----	65.1	40.2	52.6	85	34	35	35	----	77	42	----	.203	.208	----	1.02	.27	5.2	6.7	----	6.5
May	29.135	29.600	28.720	49.7	66.4	----	71.9	47.6	59.8	91	35	42	41	----	75	42	----	.269	.264	----	1.03	.22	7.2	7.2	----	6.9
June	29.063	29.320	28.800	54.5	70.7	----	75.6	52.9	64.2	98	42	47	50	----	76	51	----	.327	.369	----	2.10	.99	6.3	6.8	----	6.6
July	29.112	29.370	28.730	62.6	86.5	----	92.0	61.6	76.8	104	53	50	50	----	63	30	----	.357	.364	----	1.10	.50	2.3	3.3	----	3.5
August	29.151	29.310	28.880	59.4	85.1	----	91.5	58.8	75.2	106	53	46	48	----	60	29	----	.308	.334	----	.38	.38	2.6	3.1	----	3.0
September	29.199	29.490	28.900	52.1	75.9	----	83.4	49.4	66.4	98	39	39	43	----	62	33	----	.241	.277	----	.10	.10	2.4	2.9	----	3.2
October	29.261	29.640	28.530	43.7	60.2	----	64.9	41.3	53.1	90	27	38	40	----	82	49	----	.239	.254	----	1.94	.63	4.5	4.4	----	4.9
November	29.369	29.720	28.780	35.9	47.3	----	51.3	32.9	42.1	61	24	32	37	----	86	67	----	.184	.220	----	1.78	.78	6.0	6.7	----	6.5
December	29.318	29.900	28.540	34.2	41.2	----	44.0	30.4	37.2	58	9	28	28	----	78	60	----	.156	.157	----	1.83	1.01	7.0	7.3	----	7.6
Year	29.230	29.900	28.196	44.3	60.1	----	65.0	42.1	53.5	106	9	36	38	----	74	48	----	.226	.242	----	14.62	1.01	5.2	5.8	----	5.8

LEXINGTON, KY.

[ϕ=38° 02′ N.; λ=84° 33′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.026	29.593	28.510	35.2	39.8	----	46.9	31.3	39.1	59	17	30	33	----	82	76	----	0.172	0.194	----	6.63	1.95	7.2	6.8	----	7.2
February	29.135	29.590	28.660	27.3	33.8	----	39.0	24.2	31.6	63	2	23	25	----	83	70	----	.143	.158	----	4.40	1.49	6.1	6.1	----	6.6
March	29.001	29.450	28.210	37.1	44.6	----	53.9	31.4	42.6	71	14	30	32	----	76	62	----	.180	.196	----	4.65	1.37	5.7	5.4	----	5.4
April	28.946	29.494	28.520	47.2	57.3	----	63.3	43.3	53.3	80	20	38	40	----	72	55	----	.238	.260	----	5.43	2.39	4.0	5.3	----	4.9
May	28.861	29.130	28.460	57.9	67.3	----	73.1	52.9	63.0	87	31	48	50	----	72	56	----	.361	.381	----	1.66	.63	7.0	6.6	----	6.4
June	28.950	29.200	28.460	70.5	78.6	----	82.3	65.7	74.0	96	50	61	60	----	74	55	----	.555	.527	----	3.55	1.56	2.2	3.5	----	4.2
July	28.969	29.183	28.730	71.7	81.7	----	85.6	67.5	76.6	90	56	64	64	----	78	56	----	.608	.595	----	5.01	1.15	4.1	4.3	----	4.4
August	28.965	29.160	28.790	69.3	78.7	----	82.9	65.9	74.4	90	51	64	65	----	83	64	----	.607	.628	----	4.02	1.49	4.9	4.6	----	5.3
September	29.035	29.316	28.750	63.5	73.7	----	77.6	60.3	69.0	88	41	58	60	----	83	64	----	.503	.538	----	1.51	.44	4.9	4.3	----	5.3
October	29.074	29.370	28.490	49.7	61.5	----	65.6	46.9	56.2	81	27	40	42	----	72	51	----	.263	.276	----	.56	.34	4.4	4.0	----	4.3
November	29.029	29.380	28.650	39.9	48.0	----	52.4	37.1	44.8	66	28	34	37	----	80	67	----	.199	.223	----	2.71	.74	5.3	5.7	----	5.1
December	29.006	29.600	28.490	43.2	48.0	----	53.1	37.4	45.2	65	16	40	42	----	88	81	----	.265	.285	----	6.50	1.87	6.2	7.1	----	7.0
Year	29.000	29.600	28.210	51.0	59.4	----	64.6	47.0	55.8	96	2	44	46	----	79	63	----	.341	.355	----	46.63	2.39	5.2	5.3	----	5.5

LINCOLN, NEBR.

[ϕ=40° 49′ N.; λ=96° 45′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	28.748	29.320	28.250	28.0	37.8	34.7	43.3	23.9	33.6	58	14	22	24	23	77	59	64	0.115	0.127	0.125	0.14	0.06	4.5	7.2	4.0	6.2
February	28.951	29.640	28.260	19.3	31.1	31.1	37.7	15.9	26.4	57	−5	13	15	14	74	50	50	.087	.093	.091	.07	.06	5.2	4.5	4.4	4.9
March	28.753	29.330	28.050	26.9	38.1	37.4	44.5	23.2	33.8	78	−7	22	24	25	81	59	63	.120	.133	.136	2.26	.92	5.0	5.7	5.5	5.6
April	28.660	29.020	28.040	43.0	57.8	56.9	62.8	39.6	51.2	83	22	35	36	37	74	48	51	.210	.228	.233	2.21	1.24	5.4	5.9	5.7	5.7
May	28.653	29.090	28.110	53.4	67.1	65.8	70.5	49.8	60.2	83	33	46	46	45	77	49	51	.330	.332	.322	3.31	.88	6.0	6.5	6.3	6.4
June	28.645	28.960	28.320	66.6	77.2	75.9	80.6	63.6	72.1	96	46	61	62	62	82	62	64	.544	.571	.570	5.25	2.59	7.7	8.1	5.9	7.4
July	28.726	28.920	28.470	71.3	86.3	85.6	88.5	69.0	78.8	98	56	64	65	62	79	47	48	.607	.577	.582	1.88	1.31	6.2	6.2	4.4	5.9
August	28.724	29.040	28.450	65.7	79.6	78.7	83.3	63.1	73.2	96	46	61	61	63	85	56	61	.543	.553	.598	5.50	2.23	6.5	5.9	4.6	6.4
September	28.739	29.050	28.400	58.9	74.3	71.3	77.8	57.3	67.6	92	42	54	54	56	84	53	60	.428	.440	.453	7.21	4.88	5.6	5.9	5.8	6.0
October	28.893	29.240	28.300	44.2	57.7	53.9	60.7	42.6	51.6	78	22	39	39	40	82	52	60	.254	.256	.265	.40	.25	5.9	5.7	5.6	6.0
November	28.813	29.140	28.370	35.5	50.8	46.5	54.0	32.3	43.2	67	19	30	32	32	80	50	58	.171	.188	.189	.20	.20	3.9	5.1	1.5	4.6
December	28.790	29.390	28.010	29.0	40.4	36.2	44.2	25.8	35.0	62	−5	25	27	26	83	60	67	.136	.154	.147	.52	.20	5.8	6.5	3.9	6.5
Year	28.758	29.640	28.010	45.2	58.2	56.2	62.3	42.1	52.2	98	−7	39	40	40	80	54	58	.295	.304	.309	28.95	4.88	5.6	6.1	4.8	6.0

LITTLE ROCK, ARK.

[ϕ=34° 45′ N.; λ=92° 16′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.705	30.120	29.320	44.2	52.7	53.7	58.8	40.6	49.7	68	31	40	41	40	86	68	65	0.262	0.267	0.268	7.42	3.00	5.0	6.4	4.2	5.7
February	29.846	30.440	29.350	37.7	44.1	45.5	50.0	34.8	42.4	72	18	32	33	35	78	68	68	.204	.209	.220	6.42	3.01	5.4	6.5	5.8	6.4
March	29.679	30.160	28.820	43.5	54.6	53.9	60.1	39.2	49.6	74	14	38	39	38	81	59	59	.240	.259	.240	5.00	2.01	4.7	5.2	4.9	5.5
April	29.582	30.070	29.140	54.5	67.4	66.6	72.3	52.5	62.4	84	32	47	48	48	78	53	55	.348	.365	.361	7.69	1.64	5.2	4.7	5.4	5.1
May	29.481	29.860	29.090	61.5	71.1	70.4	76.4	58.5	67.4	89	43	57	58	57	86	65	66	.482	.499	.489	10.50	5.54	5.6	5.9	6.4	6.1
June	29.572	29.770	29.250	72.4	81.8	80.4	86.0	69.0	77.5	93	60	68	66	67	85	62	65	.682	.663	.678	1.80	.57	4.2	5.0	4.8	4.9
July	29.603	29.800	29.410	73.9	84.6	84.0	88.8	71.1	80.0	98	61	69	68	69	85	60	63	.715	.700	.728	7.86	3.84	4.8	6.1	3.1	5.4
August	29.605	29.790	29.430	73.9	86.5	83.8	91.2	71.8	81.5	98	61	70	69	71	88	57	66	.738	.710	.766	2.55	1.45	4.0	3.8	4.8	4.2
September	29.658	29.840	29.440	67.0	77.7	76.0	81.1	65.3	73.2	96	57	65	64	66	92	64	72	.621	.612	.646	3.93	1.96	7.1	6.2	5.2	6.2
October	29.735	30.080	29.030	53.9	66.0	63.1	69.9	51.8	60.8	87	34	50	52	52	89	63	69	.387	.412	.412	1.00	.69	4.5	4.7	3.8	5.0
November	29.731	30.040	29.320	45.5	57.6	56.1	61.6	43.6	52.6	74	33	40	43	42	83	61	63	.257	.282	.279	2.59	.86	4.8	4.5	4.8	4.6
December	29.704	30.290	29.240	47.2	52.8	52.8	59.2	43.1	51.2	74	22	43	46	45	86	80	77	.304	.335	.332	4.70	1.32	7.4	7.8	6.2	7.5
Year	29.658	30.440	28.820	56.3	66.4	65.5	71.3	53.4	62.4	98	14	52	52	52	85	63	66	.437	.443	.452	61.49	5.54	5.2	5.6	5.0	5.6

Annual meteorological summary for the year ending December 31, 1923—Continued

LEWISTON, IDAHO

[H_b=757 ft.; h_t=40 ft.; h_r=32 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	4.4	E.	36	W.	0	2	5	11	1	4	5	0	2	1	2	12	17	14	7	2	1	0	0	0	0	12	0	0
February	2.4	E.	35	W.	0	2	2	9	3	2	3	2	0	5	5	9	14	10	7	7	6	0	0	9	0	24	0	0
March	5.4	E.	35	W.	0	0	4	15	3	1	3	4	0	1	8	7	16	10	8	7	6	1	0	0	0	8	0	0
April	3.8	E.	32	W.	0	0	6	10	5	2	1	2	1	3	5	11	14	12	9	0	0	1	0	0	0	0	0	0
May	3.7	E.	20	W.	0	0	3	16	4	1	2	2	1	2	6	7	18	14	9	0	0	0	0	0	1	0	1	0
June	3.1	E.	22	NW.	0	4	3	12	5	1	0	1	2	2	6	7	17	10	9	0	0	0	0	0	4	0	3	0
July	3.8	E.	23	NW.	0	0	1	19	5	2	2	0	1	1	16	10	5	8	4	0	0	0	0	0	22	0	8	0
August	2.9	E.	29	SE.	0	1	2	17	5	2	0	1	0	3	19	8	4	2	1	0	0	0	0	0	17	0	1	0
September	2.5	W.	27	N.	0	1	0	6	8	3	2	7	0	3	20	4	6	1	0	0	0	0	0	0	11	0	0	0
October	2.2	E.	22	W.	0	2	2	9	4	5	1	3	4	1	13	8	10	8	7	0	0	0	1	0	0	5	1	0
November	2.4	E.	25	W.	0	3	4	7	3	0	2	6	1	4	7	6	17	8	7	0	0	0	4	0	0	16	0	0
December	4.8	E.	29	NW.	0	2	7	8	5	0	3	4	0	2	5	7	19	11	7	5	1	0	2	2	0	16	0	0
Year	3.4	E.	36	W.	0	17	39	139	51	23	24	32	12	28	112	96	157	108	75	21	14	2	7	11	55	81	14	0

LEXINGTON, KY.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	16.3	SW.	55	SW.	4	2	1	3	5	5	4	6	5	0	6	6	19	13	11	4	0	1	3	0	0	22	2	0
February	14.6	SW.	50	SW.	1	3	3	0	4	3	5	5	5	0	6	7	15	9	7	5	3	0	5	9	0	22	1	0
March	17.6	SW.	63	SW.	9	2	1	3	4	3	10	2	6	0	11	8	12	11	9	3	0	0	0	0	0	17	2	0
April	14.0	SW.	54	S.	2	0	4	2	4	8	7	3	2	0	11	9	10	12	11	0	0	0	1	0	0	3	3	0
May	13.7	NE.	60	NW.	5	0	6	5	8	6	4	2	0	0	7	9	15	13	10	2	2	0	0	0	0	1	4	0
June	10.8	SW.	36	SE.	0	3	4	3	2	2	11	3	2	0	16	7	7	8	7	0	0	0	0	0	0	6	8	0
July	9.4	SW.	44	NW.	1	0	6	3	4	5	6	5	2	0	13	13	5	12	10	0	0	0	3	0	2	0	11	0
August	9.1	SW.	36	NW.	0	0	3	3	0	5	11	4	5	0	9	13	9	13	10	0	0	0	2	0	1	0	7	0
September	10.8	SW.	34	SW.	0	0	7	3	3	5	8	4	0	0	9	12	9	10	7	0	0	0	1	0	0	0	4	0
October	12.1	NE.	31	NW.	6	0	10	1	6	3	4	3	4	0	16	8	7	7	5	0	0	0	2	0	0	2	0	0
November	14.0	SW.	37	SE.	0	0	7	0	5	3	8	2	5	0	11	3	16	13	9	2	0	0	3	0	0	5	0	0
December	15.7	SW.	46	SW.	5	2	3	0	2	3	16	2	3	0	7	4	20	16	13	1	1	0	2	1	0	5	2	0
Year	13.2	SW.	63	SW.	27	12	55	26	47	51	94	41	39	0	122	99	144	137	109	17	6	1	22	10	9	77	44	0

LINCOLN, NEBR.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	10.1	N.*	42	NW.	2	16	5	4	8	12	4	5	8	0	6	12	13	4	1	6	2	0	0	5	0	29	0	0
February	11.1	N.	43	N.	3	17	7	0	7	5	6	2	11	1	11	7	10	2	1	4	1	0	0	8	0	27	0	0
March	13.4	N.	46	N.	3	20	9	2	5	12	5	3	6	0	11	9	11	7	7	9	7	0	0	5	0	25	0	0
April	12.6	S.	46	NW.	3	11	12	5	4	14	3	5	5	1	8	10	12	8	8	2	0	0	0	0	0	5	4	0
May	10.2	SE.	43	NW.	2	12	8	6	15	6	5	4	6	0	7	8	16	12	10	0	0	1	0	0	0	0	6	0
June	9.9	SE.	40	NW.	1	8	4	11	22	8	0	5	2	0	2	11	17	12	11	0	0	0	0	0	6	0	8	0
July	8.0	S.	26	N.	0	3	7	5	10	32	1	2	2	0	4	18	9	6	6	0	0	0	2	0	12	0	5	0
August	8.0	NE.	67	NW.	4	10	20	7	11	8	2	2	2	0	6	12	13	13	9	0	0	0	0	0	6	0	12	0
September	8.6	SE.	38	NW.	0	8	12	2	14	12	2	6	4	0	5	14	11	9	7	0	0	1	2	0	2	0	5	0
October	8.0	SE.	30	NW.	0	15	7	0	17	11	3	3	6	0	8	11	12	4	3	1	1	0	0	0	0	0	8	0
November	7.9	S.	37	NW.	0	9	5	2	2	17	10	4	11	0	12	9	9	2	2	0	0	0	0	1	0	14	0	0
December	9.1	S.	30	S.	0	15	2	1	3	19	9	4	9	0	8	7	16	6	6	4	3	0	0	2	0	26	0	0
Year	9.7	S.	67	NW.	18	144	98	45	118	156	50	45	72	2	88	128	149	85	71	26	14	2	4	21	26	134	40	0

LITTLE ROCK, ARK.

[H_b=357 ft.; h_t=136 ft.; h_r=129 ft.; h_a=144 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	9.7	S.	44	S.	1	7	4	5	3	23	7	7	5	1	11	6	14	10	10	0	0	0	4	0	0	3	5	0
February	8.2	N.	34	W.	0	23	5	6	5	9	1	5	2	0	8	6	14	10	9	3	2	0	2	1	0	11	2	0
March	11.1	S.	45	SW.	3	5	4	8	5	20	4	4	12	0	12	6	13	9	7	0	0	0	2	0	0	6	6	0
April	9.1	S.	43	S.	1	9	7	6	8	17	6	1	5	1	11	11	8	11	10	0	0	3	0	0	0	1	9	0
May	8.7	E.	49	S.	2	15	7	8	8	8	5	5	5	1	9	10	12	16	14	0	0	0	1	0	0	0	12	0
June	7.3	S.	44	NW.	1	5	3	5	10	26	4	4	2	1	9	13	8	11	7	0	0	0	0	0	6	0	13	0
July	6.1	S.	41	W.	2	5	3	8	5	28	3	5	3	2	9	13	9	8	7	0	0	0	1	0	15	0	11	0
August	6.4	S.	50	NW.	1	2	6	10	8	25	6	2	2	1	16	8	7	8	7	0	0	0	1	0	18	0	9	0
September	5.6	S.	30	NW.	0	3	5	9	8	22	5	1	6	1	7	7	16	9	7	0	0	0	0	0	3	0	8	0
October	6.5	E.	30	N.	0	14	15	19	2	2	1	0	9	0	14	6	11	5	5	0	0	0	1	0	0	0	1	0
November	7.4	S.	27	NW.	0	9	3	5	5	14	8	8	6	2	15	3	12	9	7	0	0	0	0	0	0	0	0	0
December	9.7	S.	40	S.	1	8	6	9	5	18	6	4	6	0	5	6	20	16	14	0	0	0	2	0	0	5	3	0
Year	8.0	S.	50	NW.	12	105	68	98	72	212	56	46	63	10	126	95	144	122	104	3	2	3	14	1	42	26	79	0

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1923—Continued

LOS ANGELES, CALIF.

[ϕ=34° 03′ N.; λ=118° 15′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Dew point: Noon, local time	Dew point: 8 p. m.	Relative humidity: 8 a. m.	Relative humidity: Noon, local time	Relative humidity: 8 p. m.	Vapor pressure: 8 a. m.	Vapor pressure: Noon, local time	Vapor pressure: 8 p. m.	Precipitation: Total	Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.691	29.950	29.450	52.2	62.9	60.4	66.8	49.4	58.1	90	39	38	42	42	64	62	57	0.239	0.271	0.280	1.76	0.73	3.0	4.1	4.1	4.4
February	29.715	29.950	29.471	50.6	62.1	60.6	65.8	47.5	56.6	87	36	36	37	41	63	44	54	.225	.232	.268	.75	.50	2.8	3.2	3.0	3.1
March	29.679	29.980	29.331	53.7	68.0	65.0	71.2	50.7	61.0	85	41	38	35	38	60	55	42	.239	.219	.247	.32	.28	1.8	2.1	2.2	2.3
April	29.632	29.860	29.320	53.4	62.6	60.4	65.0	51.7	58.4	72	47	49	50	49	84	63	57	.347	.358	.354	1.97	.60	6.3	5.3	4.4	5.6
May	29.547	29.680	29.345	56.9	70.7	67.9	73.8	55.4	64.6	99	51	51	51	51	82	53	57	.381	.379	.380	.00	.00	6.1	2.7	1.5	3.0
June	29.540	29.670	29.400	56.8	69.4	67.2	71.9	55.3	63.6	87	51	53	54	53	87	59	61	.403	.422	.400	.02	.02	5.9	2.7	1.5	3.4
July	29.565	29.730	29.418	61.7	76.3	73.4	79.5	60.6	70.0	85	56	57	60	58	86	57	58	.470	.513	.474	T.	T.	5.8	1.7	1.5	2.7
August	29.576	29.750	29.470	62.4	75.6	71.5	78.4	60.8	69.6	86	59	60	62	62	92	64	71	.514	.568	.550	T.	T.	8.4	.9	1.3	3.3
September	29.571	29.760	29.369	63.0	76.4	72.0	79.4	61.4	70.4	92	54	58	61	60	84	60	68	.485	.535	.523	.55	.45	3.0	3.9	3.8	4.1
October	29.571	29.750	29.300	59.5	74.3	69.2	76.5	57.2	66.8	94	51	49	50	53	72	48	62	.357	.377	.412	.04	.04	3.2	1.9	2.4	2.3
November	29.648	29.840	29.360	59.4	73.2	68.1	76.1	56.8	66.4	84	51	41	40	48	52	33	51	.261	.256	.339	.04	*.10	1.3	2.4	2.7	2.2
December	29.689	29.990	29.280	52.8	64.5	61.3	67.4	50.2	58.8	80	42	33	31	37	51	32	47	.202	.190	.246	.80	.44	3.0	3.1	3.0	3.0
Year	29.619	29.990	29.280	56.9	69.7	66.4	72.6	54.8	63.7	99	36	47	48	49	73	50	58	.344	.360	.373	6.25	.73	4.2	2.8	2.6	3.3

LOUISVILLE, KY.

[ϕ=38° 15′ N.; λ=85° 45′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Dew point: Noon, local time	Dew point: 8 p. m.	Relative humidity: 8 a. m.	Relative humidity: Noon, local time	Relative humidity: 8 p. m.	Vapor pressure: 8 a. m.	Vapor pressure: Noon, local time	Vapor pressure: 8 p. m.	Precipitation: Total	Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.529	30.040	28.980	3.59	41.8	41.8	48.2	32.7	40.4	59	20	29	31	31	76	66	66	0.165	0.181	0.183	5.65	2.23	7.1	6.7	6.1	7.3
February	29.646	30.190	29.140	28.1	35.4	35.1	40.2	24.7	32.4	61	7	22	22	24	74	59	63	.132	.142	.149	3.65	2.32	6.8	6.3	4.6	6.7
March	29.505	30.020	28.560	37.8	46.3	46.7	53.9	32.8	43.4	71	12	28	27	30	68	49	52	.166	.159	.179	4.18	1.13	5.9	4.7	4.1	5.2
April	29.431	30.022	28.920	48.4	59.0	58.6	64.6	44.6	54.6	85	22	38	36	37	67	48	48	.238	.226	.230	4.53	2.16	4.5	5.5	3.6	5.2
May	29.346	29.620	28.870	59.3	69.4	67.0	74.6	54.4	64.5	85	33	48	49	48	68	52	55	.363	.376	.367	4.68	1.42	6.6	6.5	5.2	6.4
June	29.419	29.700	28.920	70.5	80.2	77.8	83.5	65.7	74.6	98	54	62	60	62	76	53	60	.568	.539	.505	6.28	1.85	3.2	5.0	2.8	4.3
July	29.442	29.653	29.170	72.3	84.8	81.2	88.0	68.6	78.3	93	57	64	63	64	76	50	59	.610	.587	.613	4.66	1.31	4.3	4.8	4.2	4.5
August	29.434	29.640	29.200	70.3	81.7	78.7	85.6	67.1	76.4	94	52	64	63	66	81	56	65	.615	.587	.647	2.29	1.15	5.0	5.1	4.4	4.7
September	29.509	29.810	29.160	64.4	75.8	72.6	79.5	62.0	70.8	89	45	58	58	58	81	56	61	.504	.499	.510	3.61	2.31	4.5	5.1	4.5	5.0
October	29.575	29.853	28.870	49.8	63.5	60.3	67.6	46.7	57.2	82	28	42	41	41	73	47	50	.273	.269	.270	1.06	.84	4.1	3.5	3.1	4.4
November	29.533	29.900	29.130	41.2	51.2	49.4	54.9	38.7	46.8	68	29	34	35	35	75	56	60	.197	.209	.215	3.02	1.23	5.3	5.2	4.5	5.5
December	29.504	30.150	28.950	43.2	49.1	48.1	54.6	38.5	46.6	67	19	37	38	39	80	68	71	.241	.257	.262	5.91	1.47	6.5	7.4	5.4	7.3
Year	29.489	30.190	28.560	51.8	61.5	59.8	66.3	48.0	57.2	98	7	44	44	45	75	55	59	.339	.336	.349	48.91	2.32	5.3	5.5	4.5	5.5

LUDINGTON, MICH.

[ϕ=43° 57′ N.; λ=86° 27′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Dew point: Noon, local time	Dew point: 8 p. m.	Relative humidity: 8 a. m.	Relative humidity: Noon, local time	Relative humidity: 8 p. m.	Vapor pressure: 8 a. m.	Vapor pressure: Noon, local time	Vapor pressure: 8 p. m.	Precipitation: Total	Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.332	29.990	28.740	23.1	26.0	25.0	29.7	18.5	24.1	41	3	20	21	21	87	80	83	0.109	0.114	0.111	1.95	0.66	8.7	8.0	7.9	8.1
February	29.416	29.900	28.960	16.6	19.2	19.8	24.4	11.6	18.0	41	−3	14	14	15	88	80	79	.085	.087	.087	1.05	.24	8.0	8.1	6.6	7.8
March	29.277	29.880	28.260	22.1	25.7	25.8	32.1	18.2	25.2	49	2	18	20	20	85	76	78	.106	.111	.116	4.04	.96	6.5	6.8	6.6	6.8
April	29.254	29.800	28.730	36.8	41.5	40.2	47.6	31.7	39.6	69	10	30	32	31	76	68	70	.172	.184	.178	2.66	1.21	4.8	4.4	4.9	4.6
May	29.274	29.690	28.760	49.5	55.0	54.4	61.2	42.3	51.8	84	28	41	42	40	74	64	62	.265	.270	.256	3.32	1.50	3.8	3.1	3.2	3.4
June	29.257	29.600	28.840	60.9	64.2	64.2	70.2	54.0	62.1	85	42	56	56	55	84	75	74	.456	.453	.453	1.24	.53	3.2	3.3	3.3	3.3
July	29.326	29.590	29.090	66.1	70.5	72.0	76.1	59.2	67.6	85	51	58	58	57	76	67	61	.488	.489	.466	.51	.35	3.7	3.2	3.1	3.5
August	29.295	29.500	28.933	60.6	65.5	64.1	70.2	54.9	62.6	81	46	54	54	54	79	68	72	.427	.426	.433	2.88	1.68	4.1	3.7	4.7	4.3
September	29.384	29.697	28.950	55.8	63.0	59.7	66.2	51.4	58.8	78	36	52	53	53	88	72	80	.408	.429	.422	2.53	.94	5.3	4.9	4.5	5.0
October	29.443	29.800	28.770	44.5	51.4	49.2	53.8	41.3	47.6	68	29	39	40	40	83	66	71	.253	.265	.259	5.02	2.76	5.3	4.5	4.5	5.1
November	29.342	29.750	28.770	38.0	41.7	40.3	44.9	34.6	39.8	54	28	33	34	34	83	75	79	.192	.200	.201	.89	.37	5.4	6.9	6.8	6.8
December	29.296	29.790	28.630	34.6	36.5	36.5	40.1	31.6	35.8	48	13	30	30	30	81	79	79	.164	.171	.174	1.81	.46	7.6	7.5	6.8	7.4
Year	29.325	29.990	28.260	42.4	46.7	45.9	51.4	37.4	44.4	85	−3	37	38	38	82	72	74	.260	.267	.263	27.90	2.76	5.5	5.4	5.2	5.5

LYNCHBURG, VA.

[ϕ=37° 25′ N.; λ=79° 09′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Dew point: Noon, local time	Dew point: 8 p. m.	Relative humidity: 8 a. m.	Relative humidity: Noon, local time	Relative humidity: 8 p. m.	Vapor pressure: 8 a. m.	Vapor pressure: Noon, local time	Vapor pressure: 8 p. m.	Precipitation: Total	Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.352	30.000	28.810	34.9	42.2	40.8	49.0	30.6	39.8	65	19	26	28	30	68	58	66	0.142	0.155	0.170	2.25	0.52	6.0	5.8	4.4	6.4
February	29.397	29.753	29.000	32.1	39.4	38.6	46.9	28.6	37.8	69	14	24	25	28	72	57	66	.146	.151	.163	2.38	.65	5.4	5.0	4.9	5.4
March	29.315	29.890	28.550	41.3	50.9	50.4	59.9	35.9	47.9	78	19	30	33	35	65	52	58	.184	.206	.228	5.91	2.35	4.5	4.2	3.5	4.5
April	29.259	29.881	28.700	49.2	60.4	59.9	68.0	43.6	55.8	83	20	38	37	43	66	47	56	.240	.241	.301	2.71	1.09	3.6	4.2	3.5	4.4
May	29.217	29.519	28.830	58.9	69.5	67.5	75.9	51.8	63.8	87	35	50	49	51	72	49	58	.370	.350	.398	1.66	.78	4.5	5.5	5.8	5.5
June	29.228	29.470	28.720	71.5	81.5	77.0	86.3	64.8	75.6	96	55	60	60	60	69	50	58	.538	.522	.536	2.12	1.08	2.1	3.1	4.2	3.8
July	29.278	29.620	28.970	71.7	81.3	78.6	86.8	66.2	76.5	96	59	63	62	63	76	55	61	.588	.567	.566	2.52	1.09	4.9	4.7	5.3	4.7
August	29.268	29.467	29.070	70.2	79.1	74.8	84.5	65.0	74.8	94	49	64	63	65	82	69	73	.614	.591	.627	3.44	.90	4.8	4.8	5.8	4.8
September	29.364	29.772	29.070	63.6	74.5	69.8	79.5	60.5	70.0	90	45	59	60	61	86	62	76	.521	.529	.554	2.84	.99	4.3	4.3	3.1	5.1
October	29.374	29.655	28.850	47.5	62.7	57.7	68.9	44.4	56.6	81	36	42	44	48	83	53	72	.277	.296	.348	1.60	.73	3.5	2.7	1.7	3.5
November	29.339	29.814	28.920	40.3	50.8	47.0	55.5	36.7	46.1	69	26	33	36	39	76	59	75	.195	.220	.244	1.98	.64	5.6	4.8	3.1	5.7
December	29.343	30.070	28.690	40.9	50.7	48.7	57.6	37.3	47.4	72	20	35	38	41	79	62	74	.216	.240	.268	2.72	1.82	5.4	4.5	4.0	5.9
Year	29.311	30.070	28.550	51.8	61.9	59.2	68.2	47.1	57.7	96	14	44	45	47	74	55	66	.336	.346	.368	32.03	2.35	4.6	4.4	4.1	5.0

* Nov. 30–Dec. 1.

Annual meteorological summary for the year ending December 31, 1923—Continued

LOS ANGELES, CALIF.

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

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorms	Auroras
	Miles		*Mi.*																									
January	5.4	E.	22	SW.	0	9	13	10	3	2	5	16	4	0	17	3	11	7	7	0	0	0	5	0	0	0	0	0
February	5.9	E.	27	E.	0	7	9	7	2	6	12	12	1	0	17	8	3	4	3	0	0	0	2	0	0	0	0	0
March	6.0	E.	28	SW.	0	7	15	7	2	3	17	9	2	0	22	4	5	2	2	0	0	0	0	0	0	0	1	0
April	5.8	SW.	20	SW.	0	3	7	9	5	4	27	4	0	1	9	9	12	7	7	0	0	0	1	0	0	0	1	0
May	5.5	SW.	21	SW.	0	1	0	20	5	3	20	13	0	0	21	7	3	0	0	0	0	0	2	0	2	0	0	0
June	5.6	SW.	17	SW.	0	1	4	11	6	1	28	7	1	1	18	8	4	1	0	0	0	0	2	0	0	0	0	0
July	5.1	SW.	17	SW.	0	1	1	4	10	1	22	20	1	2	22	7	2	0	0	0	0	0	1	0	0	0	0	0
August	5.0	SW.	21	NW.	0	1	1	7	4	7	21	20	6	1	20	9	2	0	0	0	0	0	0	0	0	0	0	0
September	5.0	SW.	18	NW.	0	4	5	7	5	1	23	11	4	0	15	5	10	3	3	0	0	0	6	0	3	0	1	0
October	5.1	SW.	23	SW.	0	9	11	4	1	2	22	11	2	0	22	6	3	2	0	0	0	0	0	0	4	0	1	0
November	5.3	NE.	19	SE.	0	12	20	0	0	1	15	12	0	0	22	5	3	1	1	0	0	0	0	0	0	0	1	0
December	6.8	NE.	36	N.	0	7	21	0	2	4	11	11	6	0	20	8	3	6	6	0	0	0	0	0	0	0	0	0
Year	5.5	SW.	36	N.	0	62	107	86	45	35	223	146	21	5	225	79	61	33	29	0	0	0	19	0	9	0	5	0

LOUISVILLE, KY.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	13.4	*W.	42	S.	5	5	7	3	11	13	2	16	5	0	6	7	18	12	10	4	0	0	3	0	0	15	2	0
February	12.8	W.	46	W.	1	6	9	1	2	12	5	11	10	0	6	8	14	10	6	5	3	0	2	8	0	22	1	0
March	15.8	S.	66	SW.	9	5	7	4	5	17	8	7	9	0	11	10	10	9	8	2	0	1	1	1	0	14	2	0
April	12.4	S.	48	SW.	3	7	9	0	5	18	8	8	5	0	12	9	9	11	10	0	0	0	1	0	0	2	5	0
May	11.7	NE.	52	W.	6	4	18	12	4	10	8	6	2	0	6	11	14	15	11	2	0	1	0	0	0	0	7	0
June	9.2	S.	39	N.	0	10	13	1	5	20	7	2	2	0	14	9	7	10	9	0	0	0	0	0	8	0	7	0
July	7.5	NE.	48	NW.	1	8	14	2	6	8	11	8	4	1	10	14	7	9	7	0	0	0	0	0	11	0	8	0
August	7.5	S.	58	NW.	1	6	12	2	5	13	16	2	5	1	12	10	9	11	9	0	0	0	0	0	5	0	8	0
September	8.7	S.	43	N.	1	10	9	4	6	20	8	1	2	0	11	9	10	10	8	0	0	0	0	0	0	0	3	0
October	9.7	NE.	33	S.	0	13	16	3	6	6	2	10	6	1	16	6	9	5	5	0	0	0	0	0	0	2	0	0
November	10.9	S.	41	S.	1	7	14	4	5	13	4	8	5	0	11	8	11	10	7	0	0	0	0	0	0	4	0	0
December	12.2	S.	44	S.	4	3	3	3	11	18	10	8	6	0	7	6	18	15	12	2	1	0	4	0	0	5	1	0
Year	11.0	S.	66	SW.	33	84	131	39	70	168	87	87	61	3	122	107	136	127	102	15	4	2	11	9	24	64	44	0

LUDINGTON, MICH.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	11.1	*SE.	39	W.	0	7	6	10	16	3	2	4	14	0	3	6	22	19	13	24	19	0	1	20	0	31	0	0
February	13.2	W.	47	W.	3	6	3	6	6	7	4	10	13	1	1	11	16	19	11	24	16	0	2	21	0	28	0	0
March	13.6	S.	41	NW.	2	7	7	8	6	12	1	9	12	0	7	6	18	19	13	20	16	0	1	13	0	28	0	0
April	10.8	S.	32	S.	0	12	7	6	4	16	2	7	6	0	12	11	7	11	10	7	6	0	0	1	0	16	2	1
May	9.7	N.	42	N.	2	22	5	13	7	11	1	1	2	0	18	9	4	6	6	1	1	0	0	0	0	4	2	1
June	8.5	S.	46	S.	1	6	2	5	3	23	12	7	2	0	17	8	5	7	6	0	0	0	0	0	0	0	6	0
July	6.9	S.	20	S.	0	14	5	11	4	20	3	4	0	1	12	10	4	6	3	0	0	0	1	0	0	0	4	0
August	8.0	S.	28	S.	0	17	3	8	4	16	4	4	6	0	13	14	4	10	7	0	0	0	3	0	0	0	5	0
September	8.1	E.	33	W.	0	12	3	11	10	10	2	8	3	1	10	12	8	11	9	0	0	0	0	0	0	0	8	2
October	9.8	W.	34	N.	0	13	2	10	7	9	7	10	4	0	14	6	11	10	9	3	1	0	0	0	0	4	0	0
November	11.0	N.	34	S.	0	13	3	6	10	8	9	7	4	0	7	5	18	12	5	8	5	0	1	0	0	9	0	0
December	13.3	W.	41	SW.	3	3	12	6	5	7	11	12	6	0	5	6	20	11	9	10	6	0	0	4	0	13	0	0
Year	10.3	S.	47	W.	11	132	58	100	82	142	58	83	72	3	124	104	137	141	101	97	70	0	9	59	0	133	27	4

LYNCHBURG, VA.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	8.7	NW.	37	SW.	0	5	7	4	3	5	8	17	12	1	7	10	14	12	12	3	1	0	0	0	0	14	0	0
February	8.5	NW.	44	NW.	1	7	6	5	2	3	9	12	12	0	10	7	11	8	8	5	2	0	0	3	0	18	0	0
March	10.4	SW.	40	NW.	1	9	4	4	4	5	11	10	15	0	16	7	8	9	8	0	0	0	1	0	0	11	2	0
April	8.8	SW.	36	NW.	0	4	8	3	5	8	13	8	11	0	16	5	9	8	8	0	0	0	2	0	0	4	2	0
May	6.7	E.	37	W.	0	5	10	9	10	4	7	8	9	0	11	10	10	8	7	1	0	0	1	0	0	0	1	0
June	7.2	W.	33	N.	0	9	7	7	1	5	8	15	8	0	17	10	3	4	3	0	0	0	1	0	16	0	6	0
July	6.2	W.	27	SE.	0	9	5	9	8	6	4	17	4	0	13	11	7	10	7	0	0	0	0	0	9	0	9	0
August	5.6	W.	34	W.	0	8	14	6	0	7	9	10	8	0	11	13	7	13	11	0	0	0	1	0	5	0	5	0
September	4.4	E.	24	NW.	0	10	11	9	2	6	6	9	5	2	7	15	8	12	8	0	0	0	4	0	1	0	6	0
October	5.6	N.	25	SW.	0	11	9	9	3	4	7	8	10	1	17	10	4	5	3	0	0	0	4	0	0	0	0	0
November	7.1	NE.	32	N.	0	9	12	9	0	3	6	8	12	1	9	8	13	11	9	0	0	0	0	0	0	7	0	0
December	6.9	W.	35	W.	0	4	2	5	3	1	16	22	6	3	11	7	13	10	7	1	1	0	2	0	0	9	0	0
Year	7.2	W.	44	NW.	2	90	95	79	41	57	104	144	112	8	145	113	107	110	91	10	4	0	16	3	31	63	31	0

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1923—Continued

MACON, GA.

[ϕ=32° 50′ N.; λ=83° 38′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.761	30.150	29.430	43.3	57.4	54.5	62.5	40.3	51.4	73	30	38	39	40	83	53	60	0.243	0.251	0.263	3.71	2.28	5.5	5.3	4.1	5.0
February	29.798	30.130	29.440	42.2	53.2	51.4	58.1	39.9	49.0	78	20	35	37	38	77	57	62	.248	.260	.263	4.43	1.74	6.2	5.4	4.7	5.9
March	29.713	30.040	29.000	50.6	61.7	59.3	67.8	46.6	57.2	81	23	43	44	44	78	55	59	.308	.314	.311	6.33	1.70	6.1	5.7	5.3	5.6
April	29.622	30.130	29.130	57.9	68.9	68.3	74.5	53.2	63.8	86	36	50	49	50	75	52	54	.386	.367	.372	3.77	1.15	7.3	6.4	4.3	6.1
May	29.531	29.800	29.180	65.0	74.1	70.9	78.4	60.1	69.2	86	45	59	58	59	82	60	69	.522	.503	.522	11.21	3.69	7.4	7.0	6.6	7.2
June	29.613	29.830	29.310	73.1	81.4	78.2	85.9	67.6	76.8	94	58	67	64	66	82	58	67	.672	.618	.635	9.91	6.77	5.9	6.4	6.5	6.3
July	29.620	29.864	29.360	74.7	84.1	80.3	88.9	69.7	79.3	97	59	68	66	67	82	55	66	.697	.635	.672	5.33	1.83	6.4	6.7	5.8	6.2
August	29.634	29.770	29.480	75.3	84.1	79.9	88.9	71.7	80.3	96	68	71	70	71	87	63	74	.765	.727	.752	6.39	2.32	7.4	6.7	6.0	6.9
September	29.661	29.980	29.450	70.1	82.4	77.3	86.1	66.9	76.5	94	59	66	64	67	87	55	72	.642	.610	.669	5.08	4.38	4.7	5.4	2.7	4.9
October	29.681	29.960	29.200	55.6	71.9	65.8	75.1	52.6	63.8	86	39	50	52	52	82	51	63	.376	.404	.406	.05	.03	4.5	4.5	3.8	4.5
November	29.714	30.100	29.400	43.1	58.7	54.1	62.9	41.1	52.0	72	29	39	38	40	85	50	61	.245	.247	.257	2.24	.76	4.6	5.2	4.1	4.9
December	29.746	30.260	29.200	49.1	59.3	57.5	63.3	46.2	54.8	79	31	46	49	49	88	76	73	.330	.365	.363	3.05	.98	8.4	7.3	5.0	8.0
Year	29.674	30.260	29.000	58.3	69.8	66.5	74.4	54.7	64.5	97	20	53	52	54	82	57	65	.453	.442	.457	61.50	6.77	6.2	6.0	4.9	6.0

MADISON, WIS.

[ϕ=43° 05′ N.; λ=89° 23′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	28.978	29.590	28.420	19.6	24.3	24.1	28.8	15.1	22.0	42	2	17	20	21	89	84	87	0.096	0.110	0.113	1.25	0.39	7.9	7.2	5.9	7.4
February	29.098	29.646	28.570	10.9	17.5	17.0	23.4	6.5	15.0	41	−18	8	12	12	84	76	78	.070	.083	.081	.93	.51	6.1	6.7	4.1	6.4
March	28.949	29.560	28.020	20.5	26.9	27.1	33.3	16.1	24.7	60	−8	16	18	20	82	69	73	.096	.110	.115	4.14	1.36	5.1	5.9	6.3	5.9
April	28.912	29.420	28.310	38.0	47.4	46.4	53.0	35.0	44.0	77	17	32	34	35	78	62	66	.181	.203	.207	2.59	.93	6.9	5.1	6.1	6.1
May	28.925	29.320	28.470	50.1	62.8	61.7	67.1	46.9	57.0	80	30	40	41	41	69	48	50	.253	.268	.269	1.90	.97	6.4	5.0	4.7	5.3
June	28.927	29.280	28.500	66.7	76.1	74.9	80.4	62.0	71.2	96	49	59	61	61	77	60	63	.517	.553	.551	3.05	1.01	4.0	6.3	5.2	5.6
July	28.986	29.240	28.710	68.7	79.1	78.0	83.8	64.6	74.2	93	55	60	61	62	76	56	60	.535	.549	.569	2.28	.82	4.7	5.7	4.9	5.2
August	28.972	29.200	28.640	62.6	71.8	70.9	76.5	59.3	67.9	89	48	57	57	59	82	63	68	.473	.486	.513	5.59	1.77	5.8	5.7	4.7	5.3
September	29.034	29.310	28.610	56.2	66.0	63.6	69.2	54.2	61.7	85	39	52	54	54	88	66	73	.414	.438	.443	4.36	2.85	5.3	6.8	6.4	6.7
October	29.118	29.424	28.540	42.8	52.6	50.8	56.0	40.4	48.2	72	21	37	40	39	80	64	65	.233	.255	.260	2.12	.64	5.1	4.8	4.6	5.4
November	29.010	29.340	28.480	34.4	42.1	40.7	45.3	32.5	38.9	61	23	30	33	32	82	71	71	.167	.192	.181	.68	.44	5.8	6.7	4.7	6.5
December	28.966	29.490	28.270	30.0	35.1	34.1	38.7	26.3	32.5	53	−5	26	28	28	83	77	77	.141	.158	.154	2.12	.91	6.7	5.7	4.9	6.6
Year	28.990	29.646	28.020	41.7	50.1	49.1	54.6	38.2	46.4	96	−18	36	38	39	81	66	69	.265	.284	.287	31.01	2.85	5.9	6.0	5.2	6.0

MARQUETTE, MICH.

[ϕ=46° 34′ N.; λ=87° 24′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.257	29.850	28.490	17.5	20.7	18.7	25.0	18.4	19.2	41	4	15	16	15	90	82	84	0.086	0.091	0.086	2.84	0.50	8.8	9.0	8.0	8.4
February	29.305	29.846	28.690	8.3	15.3	13.5	20.7	4.1	12.4	40	−18	5	9	7	86	74	75	.058	.068	.065	1.21	.60	8.2	7.3	6.5	6.9
March	29.207	29.753	28.580	13.2	18.8	18.0	25.7	9.8	17.8	54	−7	10	12	13	86	76	79	.072	.082	.079	3.24	.70	7.5	7.8	6.6	7.2
April	29.180	29.629	28.685	33.9	39.1	37.5	44.4	28.8	36.6	77	5	26	30	27	74	69	66	.150	.171	.151	1.43	1.10	5.0	5.7	5.3	5.5
May	29.214	29.608	28.810	47.2	51.9	51.1	58.4	40.4	49.4	80	26	36	39	35	67	63	55	.215	.247	.208	1.27	.55	4.5	4.3	4.5	4.4
June	29.164	29.490	28.620	59.0	62.3	62.1	70.2	50.1	60.2	94	40	50	50	50	74	66	67	.372	.368	.379	3.10	1.35	6.7	5.4	5.7	5.9
July	29.243	29.500	28.980	63.1	67.7	66.2	73.8	56.3	65.0	94	48	55	55	56	76	68	70	.437	.443	.441	4.11	.98	4.7	6.4	5.8	6.1
August	29.201	29.520	28.810	59.5	64.7	61.3	69.1	52.4	60.8	85	44	50	51	53	72	63	74	.365	.383	.404	1.08	.46	5.4	7.5	6.7	7.0
September	29.287	29.550	28.850	54.2	61.1	56.1	64.7	49.0	56.8	83	36	48	49	49	82	66	78	.356	.362	.368	1.63	1.19	8.3	6.8	5.2	6.6
October	29.333	29.660	28.780	43.2	50.4	45.8	53.5	39.3	46.4	74	23	34	37	36	72	62	74	.209	.233	.239	2.70	1.88	6.9	6.1	5.7	6.5
November	29.208	29.610	28.570	34.7	40.6	38.3	44.7	31.6	38.2	57	19	28	31	29	77	70	70	.158	.178	.164	1.22	.45	7.4	7.5	6.5	7.3
December	29.170	29.660	28.370	28.9	33.7	31.3	37.4	25.4	31.4	60	1	24	26	24	80	72	75	.128	.139	.132	1.52	.42	8.2	8.1	6.5	8.0
Year	29.231	29.850	28.370	38.6	43.9	41.7	49.0	33.4	41.2	94	−18	32	34	33	78	69	72	.217	.230	.226	25.35	1.88	6.4	6.8	6.1	6.6

MEMPHIS, TENN.

[ϕ=35° 00′ N.; λ=90° 03′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.680	30.070	29.270	44.8	50.8	52.2	56.7	41.8	49.2	66	31	37	39	39	74	67	64	0.234	0.256	0.255	5.05	1.66	5.1	7.3	4.8	6.3
February	29.815	30.400	29.350	37.0	42.3	43.4	48.1	33.8	41.0	70	16	30	31	32	75	65	66	.196	.204	.205	4.61	2.16	5.8	6.2	5.9	5.9
March	29.662	30.120	28.750	44.0	52.2	52.9	59.1	40.4	49.8	76	14	36	37	38	73	58	59	.226	.240	.247	7.03	1.92	5.4	5.9	5.6	5.8
April	29.565	30.058	29.170	54.7	64.2	65.4	69.8	53.2	61.5	82	30	45	46	47	71	54	54	.314	.330	.343	6.55	1.84	5.3	5.7	5.9	5.6
May	29.454	29.770	29.100	62.5	70.7	70.1	75.7	60.3	68.0	86	44	57	56	58	82	63	67	.474	.469	.494	6.16	2.51	5.7	7.8	6.8	7.1
June	29.349	29.748	29.170	73.0	80.8	79.8	84.8	69.1	77.0	94	59	66	67	68	80	65	68	.647	.682	.675	5.04	2.20	4.9	5.8	5.5	5.7
July	29.571	29.780	29.360	75.3	83.8	83.1	87.9	72.6	80.2	94	62	69	70	70	81	64	66	.718	.740	.741	3.65	2.37	3.6	4.6	4.5	4.3
August	29.573	29.750	29.390	74.6	83.9	82.7	88.2	72.8	80.5	94	59	70	72	71	85	68	70	.745	.791	.782	5.06	2.56	4.4	4.0	4.0	4.1
September	29.625	29.800	29.400	67.9	77.4	75.2	81.0	66.5	73.8	89	57	64	67	67	88	72	77	.610	.675	.670	5.47	1.77	5.4	5.2	4.9	5.2
October	29.680	30.020	29.020	53.7	65.7	62.8	69.5	52.0	60.8	83	31	49	50	52	86	60	70	.373	.398	.412	2.74	2.05	3.4	3.7	3.2	3.6
November	29.684	29.980	29.270	46.8	56.2	55.4	60.3	45.0	52.6	72	33	39	42	41	76	60	60	.269	.269	.262	3.06	1.25	4.3	4.7	3.6	4.6
December	29.658	30.260	29.219	48.5	52.7	52.9	58.7	44.3	51.5	70	23	43	45	45	82	70	76	.306	.325	.332	5.35	2.16	7.1	7.6	6.3	7.4
Year	29.628	30.400	28.759	56.9	65.1	64.7	70.0	54.3	62.2	94	14	50	52	52	79	64	66	.424	.448	.452	59.70	2.57	5.0	5.7	5.1	5.5

Annual meteorological summary for the year ending December 31, 1923—Continued

MACON, GA.

[H_b=370 ft.; h_t=78 ft.; h_r=71 ft.; h_a=87 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	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	6.4	NW.	25	NE.	0	6	4	2	3	13	7	8	17	2	12	7	12	9	8	0	0	0	9	0	0	2	0	0
February	7.8	NW.	30	NW.	0	3	9	3	3	7	8	2	21	0	10	3	15	10	8	0	0	0	1	0	0	7	1	0
March	7.7	NW.	39	S.	0	8	7	6	4	8	7	4	17	1	12	4	15	12	10	0	0	0	2	0	0	2	4	0
April	6.6	S.	31	SW.	0	7	5	8	5	11	8	3	12	1	8	6	16	9	7	0	0	2	0	0	0	0	7	0
May	6.3	E.	36	NW.	0	7	7	18	10	6	4	2	7	1	4	8	19	15	14	0	0	1	0	0	0	0	16	0
June	5.2	E.	23	S.	0	4	7	14	7	8	11	6	2	1	5	14	11	12	11	0	0	0	1	0	5	0	10	0
July	5.0	SW.	31	W.	0	3	6	10	9	11	15	3	5	0	6	11	14	13	10	0	0	0	0	0	15	0	11	0
August	4.9	SW.	21	NW.	0	9	3	4	1	6	22	12	3	2	4	11	16	9	9	0	0	0	0	0	16	0	12	0
September	4.8	NE.	19	NE.	0	11	12	11	9	4	3	0	6	4	12	10	8	6	3	0	0	0	2	0	5	0	3	0
October	6.4	E.	25	NW.	0	17	7	15	4	1	1	1	16	0	15	4	12	3	0	0	0	0	0	0	0	0	0	0
November	6.1	NW.	27	NW.	0	12	8	7	1	1	5	9	14	3	15	1	14	6	6	0	0	0	3	0	0	2	0	0
December	6.5	S.	30	NW.	0	7	10	4	1	15	5	6	10	4	2	6	23	11	8	0	0	0	3	0	0	2	0	0
Year	6.1	NW.	39	S.	0	94	85	102	57	91	96	56	130	19	105	85	175	115	94	0	0	3	21	0	41	15	64	0

MADISON, WIS.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	9.6	NW.	31	NW.	0	7	6	3	14	3	4	8	17	0	5	7	19	11	10	15	10	0	1	21	0	30	0	0
February	10.5	NW.	33	W.	0	4	2	0	8	5	5	12	20	0	7	7	14	8	5	12	7	0	0	21	0	28	0	0
March	12.4	NW.	42	N.	2	6	2	2	6	11	9	5	21	0	8	10	13	12	11	16	9	0	2	14	0	30	0	0
April	9.5	NW.	31	SW.	0	8	9	4	6	7	8	6	12	0	8	8	14	9	7	6	5	0	1	0	0	15	1	0
May	9.0	SE.	33	N.	0	9	3	13	16	7	5	0	9	0	12	7	12	6	4	1	1	0	0	0	0	3	2	0
June	6.9	S.	30	SW.	0	7	4	2	8	14	16	6	3	0	8	11	11	12	10	0	0	0	0	0	6	0	11	0
July	6.2	S.	31	NE.	0	5	12	5	9	14	8	5	3	1	7	16	8	9	7	0	0	2	0	0	5	0	7	0
August	6.3	NW.	25	NE.	0	6	7	5	10	6	10	7	10	1	10	10	11	15	12	0	0	0	0	0	0	0	7	0
September	6.9	S.	34	NE.	0	5	7	5	15	11	5	2	8	2	4	12	14	10	7	0	0	0	5	0	0	0	4	1
October	7.0	NW.	24	NW.	0	2	4	2	9	8	13	10	14	0	10	8	13	8	7	3	2	0	1	1	0	4	0	1
November	8.7	NW.	28	SW.	0	7	1	1	12	8	13	5	13	0	8	7	15	7	5	5	1	0	1	2	0	16	0	0
December	10.9	SW.	39	NE.	0	7	6	0	8	10	14	9	8	0	7	9	15	10	8	7	5	0	3	5	0	25	0	0
Year	8.7	NW.	42	N.	2	73	63	42	121	104	110	75	138	4	94	112	159	117	93	65	40	2	14	64	11	151	32	2

MARQUETTE, MICH.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	10.1	W.	42	W.	1	2	1	5	6	8	6	22	12	0	1	9	21	21	17	26	21	0	0	27	0	31	0	0
February	10.0	W.	40	SW.	1	1	0	0	5	6	12	16	16	0	5	8	15	13	7	19	13	0	0	26	0	28	0	0
March	10.1	NW.	28	S.	0	1	2	5	7	3	5	10	29	0	6	4	21	17	13	22	17	0	0	24	0	30	0	1
April	8.5	NW.	31	SW.	0	1	3	6	6	3	7	11	23	0	9	10	11	7	5	8	3	0	1	7	0	17	0	0
May	7.7	NW.	22	NW.	0	4	6	10	10	9	8	3	12	0	15	6	10	8	6	1	0	0	1	0	0	6	2	0
June	6.9	NW.	23	W.	0	4	4	10	3	6	4	11	18	0	7	12	11	10	8	0	0	0	2	0	2	0	5	0
July	6.1	E.	20	SW.	0	7	7	9	5	5	9	6	14	0	6	14	11	15	13	0	0	0	4	0	1	0	6	0
August	8.6	NW.	25	SW.	0	4	2	11	3	4	7	13	18	0	4	11	16	11	8	0	0	0	1	0	0	0	3	0
September	9.7	NW.	36	W.	0	3	2	4	4	15	4	10	18	0	6	10	14	10	7	1	1	0	4	0	0	0	2	1
October	9.8	W.	32	NW.	0	2	1	1	4	12	8	16	18	0	8	5	18	10	6	7	5	0	0	1	0	7	0	1
November	9.2	S.	41	SW.	1	4	0	1	4	13	11	14	13	0	6	6	18	11	7	10	7	0	0	1	0	16	0	0
December	10.5	W.	32	SW.	0	6	2	0	4	9	11	15	15	0	2	6	23	14	6	14	8	0	0	5	0	26	0	0
Year	8.9	NW.	42	W.	3	39	30	62	61	93	92	147	206	0	75	101	189	147	103	108	75	0	13	91	3	161	18	3

MEMPHIS, TENN.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	9.7	S.	37	SW.	0	6	8	4	7	20	7	3	7	0	9	7	15	11	9	0	0	0	1	0	0	1	2	0
February	9.3	N.	36	NW.	0	18	7	1	3	10	8	1	8	0	11	2	15	10	8	3	2	0	2	3	0	12	1	0
March	11.3	N.	56	SW.	3	9	4	6	6	18	6	3	10	0	10	7	14	9	8	1	0	0	0	1	0	4	4	0
April	9.3	S.	54	SW.	1	9	9	7	11	12	5	2	5	0	10	10	10	14	12	0	0	1	0	0	0	1	9	0
May	7.5	NE.	50	SW.	2	10	17	7	5	7	9	3	4	0	5	10	16	13	11	0	0	0	0	0	0	0	7	0
June	7.1	S.	42	NW.	1	8	3	2	14	18	12	1	1	0	8	16	6	11	9	0	0	0	0	0	0	6	8	0
July	5.8	SW.	39	SW.	0	1	4	11	5	12	22	3	4	0	11	16	4	8	7	0	0	0	0	0	10	0	8	0
August	6.4	SW.	32	NW.	0	9	5	2	8	16	18	2	1	1	11	15	5	9	8	0	0	0	0	0	14	0	11	0
September	5.3	SW.	26	SW.	0	12	8	7	11	9	0	1	6	1	12	6	12	10	8	0	0	0	0	0	0	0	6	0
October	6.3	N.	30	NW.	0	22	16	6	7	2	0	2	6	1	18	5	8	6	5	0	0	0	2	0	0	1	0	0
November	7.6	SW.	36	SW.	0	9	8	6	9	9	9	3	6	1	16	3	11	7	5	0	0	0	1	0	0	0	0	0
December	8.2	SE.	32	NW.	0	8	7	6	14	9	8	3	5	2	6	7	18	14	12	1	0	0	1	0	0	3	1	0
Year	7.8	SW.	56	SW.	7	122	94	66	100	142	110	27	63	6	127	104	134	122	102	5	2	1	7	4	30	22	57	0

Annual meteorological summary for the year ending December 31, 1923—Continued

MERIDIAN, MISS.

[ϕ=32° 21′ N.; λ=88° 40′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.742	30.160	29.410	47.2	58.9	57.1	64.1	44.2	54.2	75	29	42	43	45	84	58	65	0.286	0.299	0.316	2.77	1.39	6.3	5.8	4.1	5.2
February	29.818	30.300	29.450	42.4	51.3	51.5	57.8	39.4	48.6	80	20	37	36	38	81	59	62	.256	.247	.257	7.13	2.07	5.8	6.2	4.1	5.4
March	29.704	30.000	29.170	48.1	58.8	59.1	65.8	44.6	55.2	83	25	41	41	43	78	54	59	.288	.288	.308	8.46	5.65	6.0	5.6	5.6	5.5
April	29.606	30.070	29.220	57.2	68.9	68.6	74.0	53.6	63.8	86	31	52	50	52	83	54	59	.417	.393	.417	8.80	2.75	5.5	5.2	4.6	5.3
May	29.485	29.810	29.240	64.8	75.3	71.8	79.3	60.6	70.0	88	43	60	60	61	84	60	71	.531	.531	.549	9.07	2.72	6.0	6.1	6.2	5.8
June	29.598	29.790	29.370	71.9	82.1	79.3	85.9	67.7	76.8	93	55	68	66	67	86	59	68	.677	.643	.671	2.48	1.53	4.5	6.1	6.3	5.0
July	29.616	29.810	29.404	72.9	83.8	80.5	87.2	68.6	77.9	93	60	69	68	69	88	60	69	.714	.687	.713	7.77	3.17	5.4	6.3	5.3	5.1
August	29.624	29.810	29.480	73.5	83.7	80.1	87.3	70.5	78.9	93	60	71	70	71	90	65	76	.753	.764	.764	4.49	1.05	6.5	6.5	5.6	5.6
September	29.650	29.860	29.460	68.6	83.0	77.5	86.1	65.7	75.9	90	56	64	63	66	86	52	67	.608	.586	.634	.72	.31	3.6	4.2	4.0	3.6
October	29.677	29.920	29.060	53.9	70.6	65.0	73.7	51.1	62.4	91	36	49	48	52	83	48	64	.364	.368	.419	5.10	4.48	4.5	4.2	3.2	4.0
November	29.719	30.070	29.329	44.5	60.0	54.3	63.4	41.8	52.6	73	31	40	41	44	86	52	70	.266	.271	.299	5.53	2.04	5.3	5.4	3.9	5.1
December	29.720	30.160	29.220	52.6	58.8	56.0	62.8	47.2	55.0	76	29	49	50	49	89	73	78	.382	.384	.368	5.99	1.50	8.2	8.1	7.0	7.7
Year	29.663	30.300	29.060	58.1	69.6	66.7	74.0	54.6	64.3	93	20	54	53	55	85	58	67	.462	.453	.476	68.31	5.65	5.6	5.8	5.0	5.3

MIAMI, FLA.

[ϕ=25° 48′ N.; λ=80° 12′ W.]

Month	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
January	30.132	30.450	29.950	65.1	73.5	69.6	75.1	62.5	68.8	80	43	58	59	60	79	61	72	0.505	0.515	0.534	0.21	0.06	4.0	4.4	1.8	4.1
February	30.152	30.300	30.000	66.5	74.4	70.6	76.0	63.7	69.8	82	44	59	60	61	77	62	72	.523	.539	.558	.24	.19	4.1	5.3	2.7	4.8
March	30.080	30.250	29.820	71.9	77.1	74.9	78.9	68.8	73.8	84	48	64	64	64	75	63	72	.594	.591	.608	.58	.29	3.6	4.2	1.8	3.7
April	29.969	30.180	29.760	72.9	79.6	76.1	82.0	67.8	74.9	88	57	65	65	66	77	63	72	.621	.632	.647	2.15	1.41	3.8	5.2	3.8	5.0
May	29.917	30.110	29.670	76.2	79.7	76.2	82.5	69.6	76.0	88	57	68	67	68	75	67	75	.667	.670	.677	11.48	3.59	4.5	5.9	5.3	5.6
June	30.008	30.160	29.880	79.9	83.9	79.4	85.6	74.1	79.8	92	66	72	72	72	77	68	80	.778	.781	.794	5.94	1.85	6.1	6.8	6.9	6.9
July	30.024	30.140	29.890	80.5	83.9	80.5	86.4	75.0	80.7	90	72	73	72	72	78	69	76	.807	.793	.793	5.20	.98	5.2	6.0	6.7	6.2
August	30.043	30.150	29.930	82.2	84.7	80.8	86.6	76.5	81.6	89	71	73	72	72	75	66	75	.820	.777	.786	6.34	3.36	4.2	5.2	4.6	4.9
September	29.958	30.150	29.700	78.6	83.1	80.0	85.4	74.5	80.0	88	69	73	72	72	82	70	78	.806	.785	.798	6.21	1.71	5.4	5.8	5.0	5.8
October	29.943	30.160	29.700	74.2	79.4	76.3	80.9	70.7	75.8	87	52	66	66	65	75	64	69	.646	.648	.637	2.77	1.42	5.6	6.0	5.5	6.3
November	30.034	30.180	29.870	64.6	74.0	69.8	75.6	61.2	68.4	81	46	56	58	58	75	59	68	.476	.506	.511	.27	.13	4.4	5.6	4.2	5.2
December	30.111	30.300	29.850	67.2	75.2	71.9	76.4	64.7	70.6	80	48	60	62	62	78	63	72	.523	.554	.563	.46	.16	5.0	5.0	3.4	4.7
Year	30.033	30.450	29.670	73.3	79.0	75.4	81.0	69.1	75.0	92	43	66	66	66	77	65	73	.649	.649	.659	41.85	3.59	4.7	5.4	4.3	5.3

MILES CITY, MONT.

[ϕ=46° 25′ N.; λ=106° 49′ W.]

Month	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
January	27.407	27.800	26.840	20.2	29.3	28.5	35.0	16.0	25.5	59	−15	14	18	19	77	61	67	0.090	0.102	0.108	0.41	0.19	4.2	6.5	5.1	5.8
February	27.660	28.300	27.000	11.2	22.3	22.7	29.4	6.0	17.7	62	−22	5	11	12	75	61	62	.066	.086	.089	.11	.06	6.0	5.5	6.5	6.0
March	27.469	28.030	26.873	24.5	36.7	38.2	43.5	20.6	32.0	69	3	17	19	21	72	48	49	.095	.104	.112	.21	.14	7.5	6.0	5.3	6.2
April	27.408	27.700	26.990	35.2	50.1	51.6	55.5	33.0	44.2	83	15	29	29	28	79	48	46	.163	.163	.155	1.53	.48	6.4	6.2	6.2	6.2
May	27.396	27.960	26.950	47.6	65.3	65.9	69.6	45.5	57.6	93	28	39	37	36	74	38	37	.251	.236	.229	1.87	.92	5.1	4.6	5.4	4.9
June	27.344	27.700	26.910	60.6	73.4	74.6	78.7	57.6	68.2	92	50	53	51	52	76	47	48	.406	.381	.391	1.84	.84	3.7	4.7	5.0	4.3
July	27.444	27.680	27.106	68.2	83.8	85.6	88.9	65.8	77.4	102	56	60	57	57	77	43	39	.531	.481	.469	2.51	1.25	4.8	3.1	5.0	3.8
August	27.511	27.750	27.290	58.4	75.9	77.6	81.2	57.1	69.2	99	47	51	50	48	77	43	40	.377	.353	.344	.57	.24	4.5	4.0	4.6	3.8
September	27.496	27.840	27.170	51.3	69.7	70.5	74.4	50.2	62.3	99	38	42	42	41	71	43	41	.270	.277	.267	4.26	2.27	4.5	4.3	4.5	4.2
October	27.591	28.105	26.870	38.8	52.8	50.8	56.6	37.1	46.8	73	17	34	36	37	84	53	59	.208	.224	.234	2.59	1.62	5.0	4.6	4.5	4.7
November	27.515	27.910	27.030	32.5	47.4	43.8	52.2	29.5	40.8	63	13	27	31	31	78	54	61	.143	.175	.171	.86	.75	4.8	5.3	4.8	4.8
December	27.494	27.986	26.670	20.8	33.3	30.3	39.7	17.4	28.6	57	−27	14	18	16	73	52	55	.084	.102	.094	.29	.22	3.9	4.5	3.5	4.2
Year	27.478	28.300	26.670	39.1	53.3	53.3	58.7	36.3	47.5	102	−27	32	33	33	76	49	50	.224	.224	.222	16.99	2.27	5.0	4.9	5.2	4.9

MILWAUKEE, WIS.

[ϕ=43° 02′ N.; λ=87° 54′ W.]

Month	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
January	29.288	29.950	28.720	25.0	28.0	27.7	32.0	19.7	25.8	44	8	20	21	21	80	73	73	0.111	0.115	0.114	1.78	0.38	7.6	7.5	6.8	7.6
February	29.403	29.920	28.880	15.7	21.0	20.0	26.3	10.9	18.6	43	−12	10	11	11	77	63	65	.082	.080	.079	1.17	.44	5.9	5.4	4.9	5.5
March	29.246	29.860	28.087	23.9	28.9	28.8	35.1	19.3	27.2	61	−3	18	19	20	75	66	70	.103	.113	.120	4.42	1.28	5.4	6.6	5.3	6.0
April	29.218	29.750	28.660	29.9	47.8	43.4	52.4	35.9	44.2	78	19	31	33	33	70	59	67	.176	.192	.191	1.90	.76	5.5	5.2	5.2	5.2
May	29.230	29.640	28.730	49.1	55.6	54.2	60.8	44.2	52.5	78	31	38	41	39	67	60	59	.225	.262	.246	1.61	.91	4.5	4.3	3.9	4.3
June	29.222	29.560	28.830	65.6	70.0	68.5	75.6	58.4	67.0	90	49	56	56	56	71	63	66	.462	.472	.462	3.23	1.12	3.8	4.4	4.7	4.7
July	29.285	29.540	29.030	69.3	75.5	73.1	79.4	63.4	71.4	93	56	59	61	59	71	63	63	.506	.545	.504	1.98	.68	4.5	4.8	4.6	4.4
August	29.258	29.490	28.900	65.4	71.3	69.2	74.6	60.9	67.8	89	49	55	56	57	73	61	66	.466	.465	.476	2.91	.90	5.4	5.1	5.2	5.4
September	29.337	29.610	28.940	58.9	65.2	62.2	67.5	56.0	61.8	81	38	54	56	55	84	74	78	.435	.474	.453	5.22	3.42	5.6	6.2	6.0	6.2
October	29.412	29.740	28.770	45.5	55.0	52.1	57.5	43.5	50.5	74	22	38	40	40	76	59	64	.244	.261	.262	3.89	2.27	5.0	5.2	5.2	5.3
November	29.311	29.650	28.750	37.3	43.9	42.5	47.1	34.7	40.9	61	26	32	35	35	79	71	75	.151	.206	.208	.71	.27	5.5	7.3	7.1	5.7
December	29.263	29.810	28.600	33.7	37.9	36.9	41.6	29.5	35.6	52	0	29	32	31	81	78	80	.150	.180	.178	2.34	1.41	6.5	6.4	5.4	6.6
Year	29.289	29.950	28.087	44.1	50.0	48.2	54.2	39.7	46.9	93	−12	37	38	38	75	66	69	.263	.280	.274	30.86	3.42	5.4	5.7	5.4	5.7

Annual meteorological summary for the year ending December 31, 1923—Continued

MERIDIAN, MISS.

[H_b=375 ft.; h_t=85 ft.; h_r=62 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	6.1	SW.	26	NE.	0	3	7	4	7	10	14	7	7	3	12	8	11	8	6	0	0	0	0	0	0	2	2	0
February	6.6	N.	22	S.	0	21	5	2	7	6	5	4	4	2	10	9	9	10	9	0	0	0	0	0	0	8	2	0
March	7.2	NE.	31	W.	0	8	12	7	4	10	5	5	8	3	10	8	13	14	11	0	0	0	0	0	0	3	3	0
April	6.0	N.	30	SE.	0	14	9	6	5	6	10	3	4	3	10	9	11	14	12	0	0	0	0	0	0	1	9	0
May	5.3	SW.	48	SE.	1	3	12	4	1	7	13	10	9	3	7	13	11	17	15	0	0	0	0	0	0	0	16	0
June	4.4	E.	30	NW.	0	6	7	14	5	9	11	2	6	0	10	13	7	11	8	0	0	0	0	0	4	0	10	0
July	4.1	SW.	24	NW.	0	1	6	10	4	5	24	5	6	1	10	14	7	13	8	0	0	0	0	0	5	0	12	0
August	4.1	SW.	33	E.	0	4	5	10	4	6	26	3	1	3	7	19	5	13	10	0	0	0	1	0	9	0	12	0
September	3.9	NE.	28	SW.	0	10	14	11	3	1	5	3	2	11	16	12	2	4	3	0	0	0	0	0	3	0	6	0
October	5.8	E.	32	E.	0	13	13	19	1	0	1	0	10	5	18	4	9	5	4	0	0	0	0	0	1	0	0	0
November	4.8	NE.	32	SE.	0	6	12	7	3	2	8	5	10	7	11	5	14	7	6	0	0	0	1	0	0	2	0	0
December	6.6	SW.	30	NW.	0	5	11	9	6	8	12	6	5	0	5	5	21	12	11	0	0	0	0	0	0	2	1	0
Year	5.4	SW.	48	SE.	1	94	113	103	50	70	134	53	72	41	126	119	120	128	103	0	0	0	2	0	22	18	73	0

MIAMI, FLA.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	8.1	E.	25	N.	0	10	2	19	9	7	4	4	7	0	12	17	2	5	2	0	0	0	1	0	0	0	0	0
February	7.8	SE.	23	E.	0	12	4	6	19	5	1	0	9	0	13	9	6	3	3	0	0	0	0	0	0	0	1	0
March	9.4	SE.	26	E.	0	5	4	16	22	2	6	1	6	0	18	10	3	6	5	0	0	0	0	0	0	0	0	0
April	7.7	SE.	25	NW.	0	4	3	11	11	5	5	10	11	0	8	17	5	9	7	0	0	0	0	0	0	0	7	0
May	8.2	SE.	29	SW.	0	1	4	13	20	5	9	2	8	0	5	19	7	13	11	0	0	0	0	0	0	0	11	0
June	7.2	SE.	29	N.	0	4	3	10	20	5	6	9	3	0	4	10	16	17	11	0	0	0	0	0	0	0	15	0
July	6.6	SE.	28	NW.	0	1	3	13	14	6	10	8	7	0	5	15	11	22	18	0	0	0	0	0	3	0	18	0
August	6.5	E.	24	E.	0	2	3	21	19	6	7	1	3	0	12	10	9	13	11	0	0	0	0	0	0	0	8	0
September	6.2	E.	21	NW.	0	5	8	21	11	1	1	0	13	0	7	14	9	19	16	0	0	0	0	0	0	0	13	0
October	9.8	E.	28	E.	0	7	6	23	5	3	1	2	14	1	8	11	12	7	4	0	0	0	0	0	0	0	3	0
November	7.6	NW.	23	E.	0	15	3	12	9	2	2	3	14	0	9	11	10	5	2	0	0	0	0	0	0	0	0	0
December	8.2	E.	27	E.	0	8	3	27	9	1	4	2	8	0	13	10	8	12	4	0	0	0	1	0	0	0	0	0
Year	7.8	E.	29	SW.	0	74	46	192	168	48	56	42	103	1	114	153	98	131	94	0	0	0	2	0	3	0	77	0

MILES CITY, MONT.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	5.0	* S.	36	W.	0	7	8	6	9	9	9	6	7	1	6	11	14	7	3	6	5	0	0	12	0	29	0	0
February	6.9	NW.	36	SE.	0	4	7	2	6	8	6	5	18	0	7	8	13	4	1	12	4	0	0	12	0	28	0	0
March	8.0	N.	36	W.	0	16	6	5	3	4	5	9	14	0	5	13	13	6	2	12	3	0	0	4	0	30	0	0
April	7.2	NE.	30	W.	0	6	10	9	7	6	5	7	10	0	8	8	14	12	10	7	6	0	0	2	0	13	0	0
May	7.1	S.	36	N.	0	7	7	6	7	15	7	6	7	0	12	9	10	8	4	0	0	1	0	0	1	1	4	0
June	7.3	SE.	36	S.	0	5	6	12	16	9	0	8	4	0	13	11	6	16	10	0	0	2	1	0	3	0	12	0
July	6.3	SE.	33	SE.	0	9	14	12	15	4	1	5	2	0	16	12	3	13	9	0	0	1	0	0	13	0	12	0
August	4.6	NE.	22	SE.	0	8	22	8	8	5	3	5	3	0	13	13	5	10	4	0	0	0	0	0	6	0	2	0
September	5.8	N.	29	N.	0	17	7	3	3	13	3	4	9	1	15	5	10	8	8	0	0	0	0	0	3	0	2	0
October	5.8	SE.	30	NW.	0	6	7	2	14	8	6	5	13	1	14	6	11	6	6	3	0	0	1	0	0	8	2	0
November	4.8	S.	30	NW.	0	3	3	5	1	21	15	2	10	0	13	8	9	4	2	4	3	0	0	0	0	20	0	0
December	6.2	S.	36	W.	0	4	3	2	5	20	11	7	10	0	16	5	10	4	2	5	4	0	0	5	0	30	0	0
Year	6.2	S.	36	W.	0	92	100	72	94	122	71	69	107	3	138	109	118	98	61	49	25	4	2	35	26	159	34	0

MILWAUKEE, WIS.

[H_b=681 ft.; h_t=126 ft.; h_r=117 ft.; h_a=139 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	11.1	W.	40	E.	2	12	6	4	7	6	2	19	6	0	4	6	21	15	11	19	11	0	0	14	0	29	0	0
February	10.9	W.	36	SE.	0	9	3	1	4	4	8	20	7	0	8	11	9	9	5	14	8	0	0	19	0	28	0	0
March	13.1	W.	46	NE.	1	13	2	3	3	5	13	13	10	0	8	11	12	11	10	14	7	0	0	11	0	28	1	0
April	10.6	W.	36	SW.	0	8	11	5	5	4	8	9	9	1	11	8	11	12	9	8	6	0	1	0	0	12	0	0
May	9.2	NE.	38	N.	0	16	24	3	6	5	2	3	3	0	14	10	7	7	5	2	2	0	0	0	0	2	1	0
June	7.1	SW.	36	N.	0	9	8	6	5	5	8	13	0	6	13	10	7	12	10	0	0	1	0	0	0	0	12	0
July	6.2	NE.	30	SE.	0	7	19	5	6	2	10	9	0	4	12	12	7	5	5	0	0	1	1	0	3	0	4	0
August	8.2	NE.	27	SW.	0	11	13	3	7	4	10	10	3	1	9	13	9	12	11	0	0	1	0	0	0	0	9	0
September	8.7	NE.	35	E.	0	7	9	9	9	7	2	8	9	0	6	13	11	11	8	0	0	1	3	0	0	0	2	0
October	8.4	W.	32	SE.	0	12	3	2	4	5	7	17	9	3	12	6	13	8	7	2	2	0	1	0	0	3	0	0
November	9.9	W.	30	E.	0	10	3	0	4	9	13	13	7	1	8	5	17	8	5	2	0	0	1	1	0	10	0	0
December	11.4	W.	35	N.	0	2	13	0	2	4	18	19	4	0	8	7	16	10	7	5	3	0	2	1	0	19	0	0
Year	9.6	W.	46	NE.	3	116	114	41	62	60	101	153	67	16	113	112	140	120	93	66	39	4	9	46	3	131	29	0

*By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1923—Continued

MINNEAPOLIS, MINN.

[ϕ=44° 59′ N.; λ=93° 13′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Dew point: Noon, local time	Dew point: 8 p. m.	Relative humidity: 8 a. m.	Relative humidity: Noon, local time	Relative humidity: 8 p. m.	Vapor pressure: 8 a. m.	Vapor pressure: Noon, local time	Vapor pressure: 8 p. m.	Precipitation: Total	Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.025	29.570	28.400	----	19.9	19.6	25.6	10.3	18.0	44	−5	----	14	14	----	75	76	----	0.083	0.081	1.01	0.39	----	7.9	6.9	7.5
February	29.167	29.760	28.610	----	13.4	13.7	19.4	1.2	10.3	43	−25	----	5	7	----	66	72	----	.060	.065	.41	.21	----	6.2	5.1	5.9
March	29.021	29.600	28.330	----	25.4	25.2	31.1	11.8	21.4	56	−8	----	14	14	----	58	60	----	.089	.087	1.17	.42	----	6.6	6.6	6.6
April	28.939	29.370	28.350	----	48.3	48.9	53.4	34.6	44.0	83	16	----	30	32	----	51	54	----	.177	.190	1.99	.89	----	5.5	6.2	5.6
May	28.940	29.380	28.510	----	64.5	64.5	69.6	49.7	59.6	86	30	----	40	40	----	44	45	----	.270	.271	2.97	.74	----	5.6	6.3	5.8
June	28.930	29.290	28.570	----	76.9	75.0	81.2	61.2	71.2	92	47	----	58	59	----	54	58	----	.512	.511	5.04	2.00	----	7.0	6.6	6.3
July	28.986	29.220	28.750	----	82.6	81.6	86.2	65.7	76.0	97	56	----	60	61	----	49	52	----	.536	.547	3.12	1.14	----	6.5	5.0	5.3
August	28.998	29.260	28.665	----	72.7	72.9	76.8	57.7	67.2	88	46	----	53	54	----	52	52	----	.415	.425	1.98	1.32	----	6.2	5.2	5.9
September	29.025	29.330	28.760	----	69.3	66.9	72.7	53.5	63.1	88	34	----	50	50	----	52	57	----	.391	.389	1.61	.90	----	6.0	5.1	5.9
October	29.131	29.420	28.500	----	53.3	51.0	56.9	39.1	48.0	77	19	----	33	34	----	48	53	----	.205	.210	1.19	.54	----	5.4	4.2	5.0
November	29.015	29.310	28.500	----	44.1	41.6	47.4	31.5	39.4	61	20	----	28	28	----	54	59	----	.158	.158	.45	.26	----	5.6	4.3	5.4
December	28.998	29.531	28.140	----	33.8	32.5	37.8	22.0	29.9	55	−12	----	21	20	----	58	60	----	.116	.114	.41	.14	----	6.2	4.9	6.0
Year	29.015	29.760	28.140	----	50.4	49.4	54.8	36.5	45.7	97	−25	----	34	34	----	55	58	----	.251	.254	21.35	2.00	----	6.2	5.6	5.9

MOBILE, ALA.

[ϕ=30° 41′ N.; λ=88° 02′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Dew point: Noon, local time	Dew point: 8 p. m.	Relative humidity: 8 a. m.	Relative humidity: Noon, local time	Relative humidity: 8 p. m.	Vapor pressure: 8 a. m.	Vapor pressure: Noon, local time	Vapor pressure: 8 p. m.	Precipitation: Total	Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	30.094	30.470	29.840	53.3	63.1	59.2	66.3	50.4	58.4	76	38	49	50	50	87	63	75	0.372	0.378	0.388	2.65	1.45	3.7	5.6	4.1	5.2
February	30.143	30.540	29.810	48.6	56.7	54.6	61.5	45.6	53.6	79	28	43	44	45	82	66	72	.320	.337	.335	4.58	1.92	5.7	7.0	6.8	6.2
March	30.043	30.300	29.540	53.5	62.5	59.9	67.4	50.2	58.8	79	30	49	50	50	85	66	72	.369	.400	.390	6.09	2.44	6.2	6.5	6.7	6.1
April	29.942	30.350	29.620	62.0	72.3	68.8	76.3	59.4	67.8	87	38	57	59	59	84	65	74	.492	.530	.526	4.39	1.52	4.6	5.9	6.6	5.4
May	29.821	30.150	29.600	69.0	76.2	73.7	80.3	64.8	72.6	92	50	65	66	66	86	72	77	.624	.663	.645	7.91	2.12	4.5	6.0	6.2	5.3
June	29.929	30.110	29.720	74.9	82.9	78.6	86.0	71.1	78.6	93	63	72	73	73	90	72	82	.782	.806	.802	5.97	2.03	5.6	6.7	7.6	6.5
July	29.955	30.130	29.760	75.7	84.1	79.7	87.8	71.8	79.8	94	64	72	72	72	89	69	79	.786	.797	.798	4.98	1.29	5.9	7.4	8.1	6.8
August	29.962	30.130	29.830	76.8	82.8	80.0	87.1	74.0	80.6	91	70	74	75	74	92	77	83	.852	.861	.847	4.46	1.28	6.2	7.8	7.7	6.6
September	29.960	30.130	29.820	72.9	85.3	80.9	88.5	70.8	79.6	91	63	69	71	70	87	62	71	.706	.756	.745	.47	.19	2.8	3.7	5.1	3.7
October	29.978	30.230	29.350	60.5	73.5	69.3	76.6	58.4	67.5	92	41	55	57	58	83	58	68	.461	.484	.506	5.64	3.49	4.2	4.4	3.9	4.4
November	30.054	30.380	29.720	50.3	63.2	59.4	66.6	47.8	57.2	77	39	46	48	49	85	61	70	.324	.356	.357	4.33	1.40	5.5	6.1	5.2	5.6
December	30.065	30.400	29.600	55.7	62.2	59.1	64.5	51.9	58.2	74	37	54	56	55	93	83	86	.438	.481	.459	6.13	2.17	6.9	8.2	7.9	7.5
Year	29.996	30.540	29.350	62.8	72.1	68.6	75.7	59.7	67.7	94	28	59	60	60	87	68	76	.544	.571	.566	57.60	3.49	5.2	6.3	6.3	5.8

MODENA, UTAH

[ϕ=37° 48′ N.; λ=113° 54′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Dew point: Noon, local time	Dew point: 8 p. m.	Relative humidity: 8 a. m.	Relative humidity: Noon, local time	Relative humidity: 8 p. m.	Vapor pressure: 8 a. m.	Vapor pressure: Noon, local time	Vapor pressure: 8 p. m.	Precipitation: Total	Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	24.612	24.980	24.180	24.5	42.3	38.3	46.5	20.5	33.5	63	2	16	20	20	68	42	48	0.090	0.106	0.107	1.40	0.46	4.0	3.9	3.8	4.2
February	24.667	24.960	24.183	12.4	31.1	30.9	35.9	8.0	22.0	49	−15	7	19	20	78	58	63	.062	.100	.108	.95	.76	2.5	2.8	2.7	2.8
March	24.606	24.980	24.170	23.7	43.7	43.9	49.4	20.1	34.8	65	−7	16	18	18	72	37	36	.091	.098	.099	.90	.57	3.2	3.2	3.9	4.0
April	24.501	24.730	24.060	34.2	52.9	52.9	57.9	30.8	44.4	71	21	26	25	23	72	36	36	.142	.134	.125	1.22	.43	3.6	4.5	5.6	4.7
May	24.520	24.860	24.140	41.3	66.3	68.1	71.4	39.1	55.2	82	23	25	24	21	56	22	18	.141	.132	.117	.32	.12	2.2	3.2	3.4	3.1
June	24.517	24.790	24.200	44.8	70.9	73.4	76.3	41.9	59.1	97	22	23	24	20	44	20	16	.125	.133	.110	.24	.17	2.2	3.3	3.1	2.9
July	24.653	24.800	24.456	58.0	83.4	82.7	87.4	56.5	72.0	96	49	37	39	38	47	24	24	.233	.254	.244	.81	†1.76	2.7	3.4	4.4	3.8
August	24.664	24.800	24.520	52.3	79.3	78.3	83.4	50.9	67.2	90	44	38	39	36	60	25	26	.243	.246	.232	2.13	.34	2.0	3.3	3.6	3.0
September	24.654	24.820	24.390	44.6	70.0	69.6	75.0	41.5	58.2	91	26	30	32	31	68	28	27	.172	.185	.177	.46	.16	2.3	3.4	3.3	3.8
October	24.610	24.850	24.230	31.3	57.1	56.3	61.5	28.2	44.8	74	17	20	23	24	62	27	31	.109	.122	.125	.10	.05	2.3	2.6	2.8	3.3
November	24.689	24.900	24.307	27.1	48.8	45.7	53.4	24.6	39.0	65	13	19	23	25	70	38	44	.103	.128	.134	1.02	.96	2.3	3.0	3.3	3.2
December	24.643	25.030	24.130	20.3	34.0	30.8	39.0	14.8	25.9	56	2	14	19	18	76	54	57	.082	.100	.096	.41	.18	4.0	3.6	2.9	4.4
Year	24.612	25.030	24.060	34.5	56.6	55.9	61.4	31.4	46.4	97	−15	23	25	24	64	34	35	.133	.145	.140	9.96	1.76	2.8	3.4	3.6	3.6

MONTGOMERY, ALA.

[ϕ=32° 23′ N.; λ=86° 16′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Dew point: Noon, local time	Dew point: 8 p. m.	Relative humidity: 8 a. m.	Relative humidity: Noon, local time	Relative humidity: 8 p. m.	Vapor pressure: 8 a. m.	Vapor pressure: Noon, local time	Vapor pressure: 8 p. m.	Precipitation: Total	Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.920	30.320	29.600	47.6	59.2	57.7	64.0	45.2	54.6	77	34	41	44	45	79	60	64	0.270	0.303	0.312	3.54	1.81	4.9	4.9	4.1	4.5
February	29.975	30.400	29.650	44.8	53.8	53.7	59.4	42.1	50.8	80	20	37	40	40	75	63	63	.263	.289	.277	6.79	2.86	5.8	5.7	5.1	5.2
March	29.872	30.150	29.220	50.8	60.6	60.2	67.1	46.8	57.0	81	25	43	46	45	75	61	61	.304	.337	.332	7.27	2.52	5.8	5.3	4.7	5.3
April	29.775	30.240	29.330	58.9	69.0	69.4	75.1	55.2	65.2	87	32	52	52	51	78	57	54	.412	.414	.396	5.32	1.56	5.8	5.1	5.2	5.5
May	29.656	29.970	29.370	65.2	75.3	72.1	79.3	62.3	70.8	89	46	61	60	60	86	62	69	.550	.543	.541	9.69	2.44	6.0	6.4	6.0	6.1
June	29.759	29.967	29.500	74.0	83.4	80.5	87.3	69.9	78.6	95	59	68	66	66	83	57	62	.701	.645	.640	2.92	1.16	4.8	6.4	6.2	5.7
July	29.774	29.994	29.570	74.6	83.9	80.3	87.8	70.8	79.3	96	62	69	67	68	84	59	69	.713	.671	.699	3.81	1.63	5.8	6.9	5.9	6.3
August	29.780	29.930	29.640	74.7	83.7	79.3	87.8	71.9	79.8	92	67	72	70	71	91	68	77	.783	.747	.764	6.30	1.38	7.3	6.9	6.6	6.8
September	29.801	30.060	29.630	71.3	83.5	80.8	87.2	68.7	78.0	92	62	66	65	66	82	55	61	.636	.612	.641	.12	.09	3.0	3.8	2.4	3.3
October	29.833	30.090	29.290	57.6	71.6	68.5	75.4	55.3	65.4	89	40	50	48	49	77	46	51	.382	.357	.371	1.38	1.06	3.8	5.0	3.3	4.5
November	29.879	30.260	29.510	46.6	59.7	57.7	64.0	44.3	54.2	74	35	41	42	42	81	56	60	.355	.285	.288	5.89	2.13	4.3	5.4	4.8	5.1
December	29.897	30.320	29.260	52.5	60.6	58.1	63.9	48.7	56.3	79	34	49	50	49	89	72	74	.376	.391	.373	4.60	1.56	8.8	7.7	7.5	7.9
Year	29.828	30.400	29.220	60.0	70.4	68.2	74.9	56.8	65.8	96	20	54	54	54	82	59	64	.471	.465	.469	57.63	2.86	5.5	5.8	5.2	5.5

† July 31–Aug. 1.

Annual meteorological summary for the year ending December 31, 1923—Continued

MINNEAPOLIS, MINN.

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

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorms	Auroras
	Miles	*	*Mi.*																									
January	11.4	SE.	46	N.	1	5	2	1	9	3	0	4	7	0	3	10	18	12	7	19	11	0	1	26	0	31	0	0
February	13.4	NW.	46	NW.	3	1	0	2	2	2	4	8	9	0	7	11	10	5	3	14	5	0	2	22	0	28	0	0
March	14.8	N.	43	NW.	1	7	1	1	3	6	2	0	11	0	5	13	13	10	7	14	10	0	0	17	0	30	0	0
April	12.0	SE.	41	S.	2	5	5	0	5	6	0	2	7	0	11	6	13	9	8	5	4	0	0	1	0	13	2	0
May	11.2	SE.	50	N.	2	5	0	1	9	8	0	2	6	0	12	5	14	10	8	2	2	1	0	0	0	2	6	0
June	10.0	S.	46	NE.	1	4	0	3	3	10	3	4	3	0	4	17	9	13	11	0	0	0	0	0	5	0	10	0
July	8.7	S.	36	N.	0	6	5	2	3	7	1	6	1	0	9	11	11	6	6	0	0	0	0	0	9	0	4	0
August	8.9	NW.	32	N.	0	7	5	2	4	3	4	2	4	0	5	17	9	13	8	0	0	0	1	0	0	0	4	0
September	10.7	S.	34	NW.	0	4	2	3	5	10	1	1	4	0	8	8	14	12	8	0	0	1	0	0	0	0	3	0
October	10.8	NW.	33	NW.	0	2	0	2	3	9	2	5	8	0	9	14	8	6	5	2	0	0	0	0	0	6	1	0
November	11.5	NW.	38	NW.	0	4	0	0	5	5	4	5	7	0	12	6	12	5	3	2	1	0	0	1	0	16	0	0
December	10.9	W.	41	NW.	1	4	0	1	2	4	8	5	7	0	9	8	14	6	4	4	3	0	1	7	0	25	0	0
Year	11.3	NW.	50	N.	11	54	20	18	53	73	29	44	74	0	94	126	145	107	78	62	36	2	5	74	14	151	30	0

MOBILE, ALA.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	9.5	* SE.	32	N.	0	7	5	4	13	12	9	0	12	0	10	15	6	6	6	0	0	0	2	0	0	0	2	0
February	11.2	N.	33	N.	0	21	7	3	3	10	7	1	4	0	6	3	14	9	7	0	0	0	2	0	0	4	1	0
March	11.8	S.	39	SW.	0	14	10	4	7	15	4	0	8	0	8	9	14	10	9	0	0	0	2	0	0	2	1	0
April	10.0	S.	51	SE.	1	10	6	6	8	11	11	2	6	0	8	13	9	10	8	0	0	1	2	0	0	0	5	0
May	9.5	NW.	56	E.	2	7	4	3	10	10	10	7	11	0	6	19	6	15	12	0	0	0	0	0	1	0	14	0
June	8.2	SE.	43	NW.	1	6	7	9	10	6	8	9	5	0	1	20	9	14	12	0	0	0	0	0	3	0	10	0
July	7.1	SW.	40	E.	1	5	11	3	2	5	17	10	9	0	4	15	12	14	13	0	0	0	0	0	12	0	12	0
August	6.9	SW.	38	NW.	0	11	2	6	2	10	13	9	9	0	4	18	9	16	14	0	0	0	1	0	2	0	16	0
September	7.6	N.	29	SE.	0	24	10	7	3	3	7	2	4	0	14	15	1	6	4	0	0	0	0	0	6	9	5	0
October	11.7	N.	60	SE.	2	15	15	7	8	2	2	2	11	0	15	7	9	5	4	0	0	0	0	0	2	0	0	0
November	9.5	NW.	39	SE.	0	14	7	4	2	9	3	5	16	0	9	11	10	6	6	0	0	0	0	0	0	0	1	0
December	10.8	S.	48	NW.	1	12	7	5	8	14	6	4	6	0	3	8	20	14	11	0	0	0	3	0	0	0	1	0
Year	9.5	N.	60	SE.	8	146	91	61	76	107	97	51	101	0	86	158	119	125	106	0	0	1	12	0	26	6	68	0

MODENA, UTAH

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	10.5	W.	46	SW.	2	0	7	5	1	3	22	22	2	0	16	7	8	9	6	7	6	0	0	1	0	30	1	0
February	8.6	W.	44	SW.	2	5	12	10	4	1	4	19	1	0	19	4	6	5	4	7	5	0	0	10	0	28	0	0
March	11.4	W.	47	N.	1	9	8	5	1	3	11	19	6	0	15	11	5	3	2	5	3	0	0	1	0	31	1	0
April	11.8	W.	56	SW.	5	4	9	3	5	3	14	16	6	0	10	13	7	11	7	4	3	2	1	0	0	19	5	0
May	11.4	W.	51	S.	4	4	8	4	1	5	12	22	5	0	16	12	3	5	3	1	0	2	0	0	0	2	3	0
June	12.1	SW.	54	S.	6	4	1	2	1	6	25	19	2	0	20	7	3	2	2	0	0	0	0	0	3	1	2	0
July	11.5	SW.	48	S.	2	3	2	1	4	5	18	24	5	0	16	11	4	5	3	0	0	0	0	0	9	0	10	0
August	9.7	SW.	44	SW.	1	1	5	3	2	5	19	24	3	0	17	13	1	10	6	0	0	1	0	0	0	0	13	0
September	8.9	W.	45	SW.	2	2	9	1	8	6	12	18	4	0	14	13	3	6	5	1	1	0	0	0	1	6	6	0
October	8.8	W.	45	S.	2	8	4	12	1	1	8	24	4	0	19	5	7	3	1	2	0	0	0	0	0	22	0	0
November	8.3	W.	34	N.	0	8	10	6	5	1	4	20	2	0	19	6	5	4	2	1	0	0	0	0	0	27	0	0
December	9.4	E.	45	NE.	2	6	17	14	4	1	6	13	1	0	15	9	7	6	4	8	5	0	0	5	0	31	0	0
Year	10.2	W.	56	SW.	29	52	92	66	37	41	155	246	41	0	196	111	59	69	45	36	23	5	7	17	13	197	41	0

MONTGOMERY, ALA.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	7.0	* S.	27	E.	0	1	4	8	10	11	9	16	9	0	11	12	8	8	6	0	0	0	0	0	0	0	1	0
February	7.3	N.	28	N.	0	16	6	2	6	3	8	2	9	3	13	3	12	9	9	0	0	0	0	0	0	5	1	0
March	7.0	N.	36	SW.	0	14	6	6	11	6	9	2	6	2	11	8	12	12	10	0	0	1	0	0	0	2	5	0
April	6.8	SW.	24	NW.	0	9	5	10	7	9	10	4	6	0	9	11	10	11	11	0	0	0	0	0	0	1	7	0
May	6.5	SE.	31	N.	0	1	10	11	13	12	4	6	5	0	7	11	13	16	15	0	0	0	0	0	0	0	11	0
June	5.7	SE.	23	S.	0	6	5	10	12	6	12	3	6	0	9	10	11	9	7	0	0	0	0	0	7	0	4	0
July	5.1	W.	36	NE.	0	6	2	8	10	4	13	13	6	0	9	7	15	11	8	0	0	0	0	0	12	0	9	0
August	4.9	SW.	36	NW.	0	4	3	5	7	12	13	10	3	0	3	13	15	11	11	0	0	0	0	0	8	0	13	0
September	5.0	N.	20	E.	0	17	9	8	7	6	1	3	8	1	18	8	4	3	1	0	0	0	1	0	9	0	2	0
October	6.9	E.	22	SE.	0	6	8	17	10	1	2	2	15	1	14	7	10	5	4	0	0	0	0	0	0	0	0	0
November	6.2	W.	23	NW.	0	6	8	8	4	3	5	15	10	1	12	6	12	9	8	0	0	0	1	0	0	0	2	0
December	7.3	SE.	34	W.	0	6	10	5	12	8	12	5	3	1	5	2	24	10	8	0	0	0	1	0	0	0	0	0
Year	5.4	SE.	36	NW.	0	92	76	98	109	81	103	76	86	9	121	98	146	114	98	0	0	1	3	0	36	8	55	0

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1923—Continued

MOORHEAD, MINN.

[ϕ=46° 52′ N.; λ=96° 44′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.004	29.540	28.324	7.8	11.2	11.6	20.0	2.1	11.0	41	−19	5	7	9	89	82	87	0.056	0.062	0.068	0.47	0.15	7.0	5.9	6.0	7.0
February	29.157	29.790	28.480	6.0	7.8	8.4	24.9	−5.2	4.8	35	−24	−3	2	5	85	78	84	.044	.056	.063	.45	.13	4.9	5.6	6.0	6.1
March	29.027	29.720	28.160	12.6	19.2	20.0	27.2	7.4	17.3	47	−19	8	10	12	82	65	70	.070	.075	.084	.29	.15	7.5	8.3	7.1	7.4
April	28.923	29.350	28.170	33.7	44.5	44.9	49.4	30.9	40.2	82	18	28	30	31	78	58	61	.157	.175	.188	1.28	.78	4.8	6.2	6.8	5.9
May	28.930	29.434	28.580	49.6	63.5	63.9	68.0	43.6	55.8	86	23	39	37	37	67	41	41	.258	.252	.249	1.85	.71	3.4	4.4	4.6	4.3
June	28.880	29.210	28.530	62.9	75.9	74.4	79.2	57.0	68.1	92	42	57	54	55	80	50	53	.474	.453	.449	6.73	3.64	5.2	6.4	5.3	5.7
July	28.947	29.140	28.560	67.3	79.2	78.4	82.9	62.1	72.5	93	52	62	62	63	82	56	61	.551	.560	.596	2.34	1.26	4.7	5.5	5.5	5.7
August	28.988	29.247	28.690	56.2	71.2	79.6	74.7	53.1	63.9	87	40	52	51	53	85	50	57	.392	.384	.408	2.83	1.40	5.0	5.4	5.0	6.1
September	28.955	29.350	28.550	52.6	67.9	65.5	71.9	49.2	60.6	84	27	48	48	48	84	51	55	.342	.352	.343	1.68	.77	5.5	5.5	4.4	5.6
October	29.085	29.450	28.380	36.5	52.0	49.1	56.1	34.4	45.2	78	13	32	32	32	83	50	52	.194	.197	.191	.32	.15	4.4	5.4	4.2	5.2
November	28.965	29.335	28.460	29.7	41.1	38.7	44.8	26.9	35.8	60	10	24	29	28	78	64	66	.134	.166	.156	.30	.10	5.3	5.6	4.1	5.0
December	28.972	29.520	28.132	17.0	26.8	25.0	32.1	13.0	22.6	50	−21	12	17	16	78	64	68	.061	.100	.099	.52	.27	4.2	4.5	2.7	4.7
Year	28.986	29.790	28.132	35.5	46.7	45.8	51.8	31.2	41.5	93	−24	30	32	32	81	59	63	.229	.236	.241	19.06	3.64	5.2	5.8	5.1	5.7

NANTUCKET, MASS.

[ϕ=41° 17′ N.; λ=70° 06′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.993	30.690	29.280	29.5	32.3	30.8	37.0	25.7	31.4	52	13	25	26	25	83	73	79	0.144	0.149	0.143	4.75	1.32	5.1	6.5	4.5	7.0
February	30.044	30.590	29.490	24.4	28.6	25.9	31.3	20.3	25.8	44	8	20	22	20	80	74	78	.116	.124	.115	2.25	.48	6.6	4.8	4.9	6.2
March	29.968	30.730	28.460	32.5	35.2	32.3	39.9	25.9	32.9	50	8	27	26	27	79	70	80	.155	.153	.155	6.46	1.61	5.4	5.1	3.0	5.5
April	29.938	30.670	29.150	42.6	46.0	40.7	49.2	36.7	43.0	68	15	37	36	36	81	68	84	.226	.218	.217	4.27	1.87	5.2	4.4	3.9	5.1
May	29.940	30.290	29.500	53.2	56.5	48.7	56.7	45.2	52.0	70	37	45	45	44	76	67	86	.307	.302	.295	.37	.25	2.9	3.9	3.2	4.3
June	29.836	30.234	29.300	64.0	67.2	59.5	63.5	55.2	62.4	90	46	56	55	55	74	66	85	.441	.442	.436	1.27	.47	3.8	4.4	6.8	5.2
July	29.987	30.396	29.560	66.7	71.1	63.3	73.2	59.8	66.5	89	55	61	61	59	83	72	86	.539	.545	.496	3.43	1.90	5.6	5.7	5.6	6.2
August	29.968	30.215	29.490	65.4	70.8	62.2	72.5	58.4	65.4	78	51	59	58	58	82	66	88	.514	.499	.499	1.90	1.29	4.2	3.8	2.7	5.0
September	30.094	30.367	29.690	62.5	67.2	59.2	69.3	56.4	62.8	77	51	58	58	56	86	74	90	.493	.502	.460	1.01	.56	4.5	4.1	1.8	5.0
October	30.057	30.445	29.420	54.8	58.6	53.2	60.5	49.5	55.0	68	39	50	51	49	86	78	88	.373	.387	.361	2.82	.92	3.9	4.3	4.0	5.6
November	30.036	30.606	29.290	44.1	48.2	44.0	49.8	40.3	45.0	56	30	39	39	39	83	73	83	.248	.254	.246	2.38	.82	4.8	5.9	4.7	6.0
December	30.005	30.780	29.086	40.1	44.0	41.0	48.9	36.3	41.6	56	26	36	38	37	86	79	85	.221	.237	.226	5.19	2.28	7.0	6.1	4.9	7.0
Year	29.989	30.780	28.460	48.3	52.2	46.7	54.8	42.5	48.6	90	8	43	43	42	82	72	84	.315	.318	.304	36.15	2.28	4.9	4.9	4.2	5.7

NASHVILLE, TENN.

[ϕ=36° 10′ N.; λ=86° 47′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.547	29.970	29.080	40.2	47.5	47.5	54.0	36.1	45.0	68	27	33	35	35	76	64	64	0.198	0.216	0.216	5.89	1.31	7.0	7.0	5.8	7.0
February	29.653	30.200	29.230	33.6	40.9	41.1	46.8	30.2	38.5	69	12	28	29	29	78	64	63	.173	.188	.188	4.36	1.90	5.1	6.2	5.3	6.0
March	29.525	29.950	28.700	41.6	51.1	51.3	58.8	36.5	47.6	74	13	35	36	36	79	59	60	.217	.226	.232	7.69	2.05	5.0	5.5	4.7	5.3
April	29.438	29.980	28.990	51.6	63.0	62.5	69.1	47.5	58.3	84	25	45	42	42	78	50	51	.319	.288	.288	4.26	1.54	5.5	5.2	4.1	5.2
May	29.337	29.610	29.000	60.9	69.9	68.2	74.2	56.9	65.6	83	41	55	56	56	82	64	68	.452	.475	.474	4.31	.92	7.3	6.5	6.2	7.2
June	29.428	29.630	28.970	70.6	81.3	78.0	84.2	65.6	74.9	92	53	65	64	64	82	56	64	.621	.603	.612	4.42	1.11	4.9	6.2	5.5	5.4
July	29.439	29.670	29.200	72.8	84.3	81.1	88.3	68.7	78.5	94	55	68	66	67	84	56	63	.678	.647	.663	2.13	.90	4.0	5.3	5.5	4.8
August	29.446	29.640	29.280	70.9	81.5	79.1	85.7	67.2	76.4	94	54	68	67	68	89	64	71	.683	.688	.705	9.60	2.44	6.3	5.7	4.6	5.7
September	29.505	29.760	29.220	65.3	77.7	74.0	80.9	62.7	71.8	88	48	60	60	62	84	56	68	.537	.531	.580	1.44	.84	4.3	5.5	4.7	5.3
October	29.555	29.810	28.910	51.0	66.5	62.5	70.5	47.8	59.2	83	36	44	44	45	79	48	54	.308	.309	.317	1.23	.95	4.1	3.7	2.5	3.9
November	29.536	29.890	29.140	42.7	54.1	52.6	58.0	39.8	48.9	72	28	37	38	36	80	56	57	.226	.233	.222	2.87	.85	5.9	5.4	5.1	5.4
December	29.531	30.120	29.000	46.7	53.0	51.4	58.2	40.6	49.4	69	22	41	42	42	84	68	70	.279	.294	.288	4.32	1.23	7.3	7.6	6.5	7.5
Year	29.495	30.200	28.700	53.9	64.2	62.4	69.1	50.0	59.5	94	12	48	48	48	81	59	63	.391	.392	.399	52.52	2.44	5.6	5.8	5.0	5.7

NEW HAVEN, CONN.

[ϕ=41° 18′ N.; λ=72° 56′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.945	30.690	29.320	23.8	28.3	27.5	33.5	19.5	26.5	53	3	17	19	20	74	66	72	0.108	0.110	0.112	7.80	1.45	6.4	6.0	5.7	6.3
February	29.993	30.520	29.450	19.7	26.6	25.4	30.4	16.6	23.5	43	4	14	16	16	77	62	67	.088	.096	.099	1.97	.75	5.9	5.8	4.6	5.6
March	29.905	30.640	28.890	30.8	36.7	34.7	41.8	25.9	33.8	71	7	23	24	25	72	61	69	.136	.145	.151	4.04	1.40	5.2	4.1	3.8	4.5
April	29.847	30.529	29.270	44.6	52.3	48.7	57.1	38.6	47.8	85	13	33	34	36	64	53	63	.198	.211	.218	4.01	1.64	3.4	4.7	5.1	4.3
May	29.845	30.205	29.320	55.7	63.0	57.7	67.2	47.9	57.6	89	34	44	45	46	68	56	66	.303	.315	.316	1.94	.76	3.3	3.6	3.1	3.3
June	29.756	30.111	29.240	67.7	75.3	69.4	79.3	60.2	69.8	95	50	58	58	58	72	58	69	.489	.503	.496	3.13	.85	3.5	4.4	4.7	4.3
July	29.894	30.302	29.510	68.1	74.6	71.5	78.8	62.3	70.5	95	54	59	59	61	74	60	71	.509	.506	.540	1.49	.74	5.5	6.0	4.1	5.7
August	29.873	30.100	29.440	66.6	74.3	70.3	77.3	59.9	68.6	91	48	58	58	60	73	58	70	.480	.502	.531	1.17	.48	3.8	4.1	2.3	3.7
September	30.000	30.370	29.630	62.3	70.4	65.8	73.4	57.8	65.6	84	43	53	54	57	29	60	75	.467	.452	.486	2.11	1.04	5.6	4.4	5.8	5.2
October	29.990	30.319	29.430	49.8	59.0	54.4	62.1	44.9	53.5	72	34	43	42	44	77	57	69	.263	.267	.290	7.00	4.93	4.5	4.0	4.4	4.4
November	29.954	30.510	29.250	39.1	45.0	44.7	50.7	35.3	43.0	65	26	32	34	36	76	60	72	.190	.201	.218	3.76	1.73	4.7	5.4	4.1	4.8
December	29.931	30.720	29.130	37.3	42.7	40.8	45.5	34.0	39.8	59	21	31	31	32	77	64	72	.179	.182	.191	6.18	2.86	4.8	5.3	4.9	5.2
Year	29.911	30.720	28.890	47.1	54.3	50.9	58.1	41.9	50.0	95	3	39	40	41	74	60	70	.265	.292	.305	44.59	4.93	4.7	4.9	4.4	4.8

Annual meteorological summary for the year ending December 31, 1923—Continued

MOORHEAD, MINN.

[H_b=940 ft.; h_a=50 ft.; h_r=43 ft.; h_m=58 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	8.2	NW.	40	NW.	1	13	4	5	6	12	4	5	11	2	8	5	18	13	3	21	11	0	2	28	0	31	0	0
February	10.0	NW.	37	NW.	0	12	2	1	6	8	4	5	18	0	8	5	15	8	4	15	8	0	0	24	0	28	0	0
March	10.9	N.	33	N.	0	15	6	2	6	9	5	1	17	1	5	5	21	5	3	20	4	0	0	21	0	31	0	0
April	8.5	N.	24	NW.	0	17	7	2	9	10	5	1	8	1	9	9	12	10	5	7	3	0	1	3	0	15	1	0
May	8.4	N.	28	N.	0	15	5	2	9	16	6	2	6	1	13	12	6	7	6	1	0	0	0	0	0	6	3	0
June	7.3	S.	40	NW.	1	12	4	2	7	20	5	4	6	0	8	13	9	11	9	0	0	2	0	0	3	0	10	0
July	6.2	N.	33	SW.	0	16	12	1	11	11	3	2	4	2	7	16	8	7	6	0	0	0	0	0	5	0	9	0
August	6.1	N.	25	NW.	0	13	6	2	4	11	7	4	12	3	7	11	13	8	7	0	0	0	1	0	0	0	7	0
September	8.4	S.	30	NW.	0	10	3	2	12	15	4	4	8	2	9	11	10	8	6	0	0	0	1	0	0	1	1	1
October	6.9	NW.	25	SW.	0	13	4	0	8	16	3	6	12	0	12	5	14	6	3	3	1	0	1	1	0	11	0	1
November	5.2	S.	27	NW.	0	8	1	0	7	20	6	6	12	0	15	2	13	7	4	5	3	0	0	5	0	23	0	0
December	9.0	W.	36	NW.	0	8	3	2	2	15	9	10	10	3	13	8	10	7	4	6	5	0	0	7	0	31	0	0
Year	7.9	S.	40	NW.	2	152	57	21	87	163	61	50	124	15	114	102	149	97	60	78	35	2	5	89	8	177	31	2

NANTUCKET, MASS.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Aurora
January	18.7	NW.	63	NE.	9	5	4	3	5	5	5	11	24	0	8	3	20	16	14	11	8	0	4	10	0	26	0	0
February	14.5	NW.	48	SE.	4	4	6	3	6	1	6	10	20	0	8	4	16	13	11	12	8	0	7	16	0	28	0	0
March	17.9	SW.	56	SW.	7	3	3	4	3	6	17	16	10	0	13	5	13	15	14	6	4	0	9	5	0	25	0	0
April	19.7	SW.	49	S.	8	7	5	2	5	9	23	4	5	0	11	9	10	13	8	0	0	0	4	1	0	5	0	0
May	15.5	SW.	42	SW.	1	10	10	2	7	8	20	4	1	0	18	5	8	6	2	0	0	0	10	0	0	0	1	0
June	15.0	SW.	42	SW.	1	2	7	2	7	6	23	8	5	0	11	12	7	8	8	0	0	0	7	0	1	0	5	0
July	12.0	SW.	34	NE.	0	3	13	4	6	10	18	5	3	0	8	11	12	7	4	0	0	0	11	0	0	0	0	0
August	13.3	SW.	46	SW.	1	2	10	3	9	8	22	5	3	0	14	6	11	5	3	0	0	0	12	0	0	0	5	0
September	12.2	SE.	36	NE.	0	7	7	5	12	12	11	3	3	0	14	9	7	6	4	0	0	0	12	0	0	0	1	0
October	16.8	SW.	59	NE.	4	4	12	2	3	13	14	5	9	0	14	4	13	12	10	0	0	0	8	0	0	0	1	0
November	15.6	NE.	44	SW.	3	10	16	2	6	6	5	5	10	0	8	8	14	13	8	0	0	0	3	0	0	2	1	0
December	16.5	SW.	47	SE.	7	8	4	2	7	1	12	15	13	0	5	8	18	15	11	5	4	0	6	0	0	9	1	0
Year	15.6	SW.	63	NE.	45	65	97	34	76	85	176	91	106	0	132	84	149	129	97	34	24	0	93	32	1	95	15	0

NASHVILLE, TENN.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Aurora
January	11.7	S.	38	NW.	0	3	8	7	4	15	6	7	12	0	6	6	19	14	7	1	0	0	0	0	0	9	0	0
February	10.8	NW.	49	NW.	2	7	5	2	4	9	7	8	14	0	10	4	14	11	10	4	2	0	1	4	0	18	1	0
March	13.0	NW.	72	SW.	5	9	6	6	7	11	10	3	10	0	12	5	14	11	10	1	0	1	0	1	0	8	2	0
April	10.3	S.	37	SW.	0	4	10	7	6	13	2	7	10	1	12	6	12	11	10	0	0	0	1	0	0	2	4	0
May	9.5	E.	56	NW.	1	4	12	14	10	7	3	7	5	0	5	9	17	18	14	0	0	1	1	0	0	0	11	0
June	7.7	SE.	62	NW.	2	3	5	3	12	8	10	13	6	0	9	10	11	10	8	0	0	0	0	0	4	0	12	0
July	5.8	W.	43	NE.	1	2	9	9	6	1	5	12	18	0	11	15	5	8	5	0	0	0	0	0	9	0	14	0
August	5.7	SW.	38	SE.	0	5	7	4	9	9	11	8	9	0	7	11	13	14	14	0	0	0	0	0	6	0	12	0
September	6.6	NW.	26	SW.	0	3	8	3	8	6	9	9	13	1	11	9	10	6	5	0	0	0	1	0	0	0	3	0
October	8.8	NW.	42	NW.	2	9	12	5	6	2	3	7	18	0	16	8	7	4	3	0	0	0	1	0	0	1	0	0
November	8.8	NE.	34	NW.	0	3	14	4	5	6	7	12	9	0	10	9	11	10	6	0	0	1	0	0	0	4	1	0
December	10.5	S.	46	NW.	2	5	5	7	8	18	6	5	7	1	5	5	21	14	8	1	1	0	0	0	0	7	1	0
Year	9.1	NW.	72	SW.	15	57	101	71	85	105	79	98	131	3	114	97	154	131	100	7	3	3	5	5	19	49	61	0

NEW HAVEN, CONN.

[H_b=106 ft.; h_t=74 ft.; h_r=68 ft.; h_a=153 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Aurora
January	10.5	NE.	34	N.	0	16	16	1	2	2	5	6	14	0	9	6	16	14	13	16	10	0	0	12	0	29	0	0
February	8.9	NW.	35	SE.	0	14	10	3	3	1	6	13	6	0	10	8	10	12	10	11	9	0	1	16	0	26	0	0
March	10.6	NW.	43	NW.	1	11	4	3	2	12	11	5	14	0	16	5	10	10	8	10	3	0	1	7	0	24	1	1
April	11.2	SW.	37	S.	0	11	9	1	4	9	15	5	6	0	15	6	9	13	10	1	0	0	0	0	0	5	3	0
May	9.1	SW.	33	SW.	0	8	9	2	10	5	18	5	5	0	19	6	6	7	3	0	0	0	0	0	0	0	1	0
June	7.7	SW.	36	NW.	0	6	7	0	6	8	12	15	6	0	13	11	6	13	10	0	0	0	0	0	4	0	8	0
July	7.4	S.	28	SW.	0	7	17	4	4	16	11	3	0	0	9	12	10	9	5	0	0	0	0	0	2	0	2	0
August	8.1	S.	31	SW.	0	3	11	2	5	16	13	6	6	0	18	5	8	6	5	0	0	0	0	0	1	0	5	0
September	7.7	N.	26	NW.	0	13	10	3	8	8	12	1	5	0	12	7	11	6	5	0	0	0	0	0	0	0	2	0
October	10.0	N.	44	NE.	1	22	12	0	5	1	12	6	4	0	15	8	8	8	0	0	0	0	0	0	0	0	0	0
November	8.5	NE.	33	NW.	0	11	17	3	1	4	7	9	8	0	13	8	9	9	8	0	0	0	0	0	0	0	0	0
December	9.2	SW.	39	SW.	0	9	15	2	2	2	14	9	9	0	12	5	14	15	13	6	6	0	0	1	0	12	0	0
Year	9.1	NE.	44	NE.	2	131	137	24	52	84	136	83	83	0	161	87	117	122	98	44	28	0	2	36	7	105	22	1

*By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1923—Continued

NEW ORLEANS, LA.

[φ=29° 57′ N.; λ=90° 04′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	30.098	30.501	29.840	55.3	66.1	61.4	68.9	53.1	61.0	79	40	51	49	51	85	56	71	0.386	0.374	0.397	5.26	3.62	4.8	5.5	4.1	4.8
February	30.145	30.567	29.780	51.6	60.9	58.6	64.8	49.3	57.0	82	34	47	47	48	85	63	70	.361	.368	.376	2.33	1.12	6.5	6.9	5.9	6.5
March	30.037	30.290	29.637	56.3	65.8	62.9	70.1	53.0	61.6	82	33	50	51	52	80	62	69	.386	.420	.421	4.56	1.10	7.1	6.1	5.8	6.3
April	29.940	30.370	29.620	65.3	74.7	72.0	77.6	61.8	69.7	86	42	59	59	59	81	60	66	.526	.525	.529	4.48	1.64	5.4	5.2	5.4	5.3
May	29.824	30.150	29.620	70.8	78.5	76.3	82.2	66.4	74.3	91	57	66	68	66	85	72	72	.647	.710	.650	9.10	4.45	3.3	4.7	4.5	4.3
June	29.923	30.068	29.730	77.5	84.2	80.4	86.9	72.9	79.9	96	67	73	71	72	88	66	77	.812	.768	.794	5.38	1.57	4.6	6.6	5.7	6.1
July	29.955	30.110	29.790	77.7	83.4	79.5	87.2	73.3	80.2	95	66	73	71	72	87	68	78	.823	.758	.774	8.72	2.58	5.8	7.0	7.2	6.6
August	29.958	30.120	29.820	78.7	85.0	80.6	89.3	74.7	82.0	93	70	74	76	74	86	74	80	.849	.885	.836	7.60	1.91	5.6	6.8	7.1	6.5
September	29.955	30.100	29.830	77.0	86.2	81.6	88.6	73.7	81.2	92	66	70	68	70	81	55	68	.751	.684	.730	2.63	1.28	2.6	4.9	4.9	4.4
October	29.967	30.260	29.316	65.3	74.3	70.8	76.8	63.6	70.2	93	50	58	60	59	79	62	68	.521	.543	.581	2.25	1.21	4.3	4.0	4.6	4.8
November	30.060	30.370	29.740	54.2	64.7	60.3	68.1	51.7	59.9	76	44	48	50	49	82	62	67	.354	.377	.355	4.94	2.10	6.1	5.3	4.1	5.3
December	30.056	30.410	29.640	58.2	65.8	61.4	67.5	54.3	60.9	78	39	56	56	56	91	72	83	.470	.476	.472	4.37	1.54	7.7	8.0	6.5	7.7
Year	29.993	30.567	29.316	65.7	74.1	70.5	77.3	62.3	69.8	95	33	60	60	61	84	64	72	.574	.574	.572	61.62	4.45	5.3	6.0	5.5	5.7

NEW YORK, N. Y.

[φ=40° 43′ N.; λ=74° 00′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.714	30.450	29.080	29.8	32.7	31.0	37.6	24.3	31.0	53	10	22	22	22	70	64	68	0.124	0.127	0.122	5.97	1.48	7.5	6.8	6.5	6.9
February	29.767	30.243	29.280	24.7	29.5	28.9	33.9	20.3	27.1	46	7	17	17	17	70	58	59	.102	.103	.101	2.33	.73	6.9	6.8	4.3	7.0
March	29.680	30.400	28.690	33.3	39.3	37.9	45.5	28.4	37.0	73	10	25	26	27	71	59	65	.149	.157	.166	4.08	1.09	6.2	5.0	4.1	5.9
April	29.627	30.295	29.030	45.4	53.8	51.7	58.2	40.6	49.4	83	12	34	33	36	63	46	57	.208	.201	.224	2.07	.98	4.8	4.9	5.8	5.3
May	29.621	29.981	29.090	56.9	62.2	58.9	67.9	50.7	59.3	81	38	46	43	48	71	52	70	.321	.283	.349	1.58	.61	4.1	3.4	3.0	4.1
June	29.557	29.870	29.050	69.2	76.1	72.6	81.1	63.0	72.0	95	51	58	56	57	68	51	62	.490	.456	.489	1.86	.72	4.7	4.2	5.0	5.2
July	29.677	30.067	29.320	69.6	76.4	72.0	79.6	65.0	72.3	94	57	61	59	60	75	57	68	.545	.507	.528	4.68	1.43	4.9	6.2	5.5	6.1
August	29.654	29.860	29.290	67.6	75.3	71.2	78.7	63.9	71.3	89	53	59	57	61	75	56	72	.513	.497	.551	1.12	.44	4.5	4.0	4.4	4.9
September	29.777	30.168	29.440	63.5	70.2	67.3	73.6	60.4	67.0	84	48	59	56	59	84	62	76	.508	.471	.516	2.34	1.28	6.9	4.7	4.9	5.9
October	29.768	30.060	29.300	51.8	59.6	56.2	62.9	48.4	55.6	72	39	44	44	47	76	58	72	.302	.302	.331	4.65	2.91	4.2	4.3	4.1	5.0
November	29.730	30.260	29.100	42.2	47.4	45.8	51.6	39.2	45.4	65	29	35	34	37	77	61	72	.213	.204	.226	2.26	1.36	5.8	5.8	4.2	6.0
December	29.715	30.480	28.960	39.2	43.2	42.2	47.5	36.4	42.0	64	24	32	31	33	74	62	71	.184	.184	.202	3.78	1.52	5.9	6.0	4.9	6.5
Year	29.691	30.480	28.690	49.4	55.5	53.0	59.8	45.0	52.4	95	7	41	40	42	73	57	68	.365	.291	.317	36.72	2.91	5.5	5.2	4.8	5.7

NORFOLK, VA.

[φ=36° 51′ N.; λ=76° 17′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	30.020	30.660	29.480	40.4	46.1	44.4	51.8	36.0	43.9	72	23	34	32	32	79	60	64	0.215	0.193	0.192	1.74	0.47	6.4	4.9	5.8	5.9
February	30.064	30.435	29.653	35.5	40.1	39.9	46.8	31.5	39.2	68	19	29	27	29	77	64	66	.180	.171	.179	2.01	.69	5.9	6.4	5.5	5.8
March	29.984	30.590	29.030	45.4	53.4	51.5	59.9	39.2	49.6	80	24	37	35	39	73	52	65	.247	.236	.263	5.12	1.54	5.5	4.7	4.0	5.3
April	29.925	30.600	29.380	53.1	61.7	57.4	66.8	47.7	57.2	82	23	43	41	44	69	50	64	.287	.285	.307	3.59	1.56	3.3	3.9	5.0	4.3
May	29.880	30.160	29.470	63.0	70.6	63.9	74.8	55.4	65.6	84	42	52	50	51	70	49	67	.412	.381	.407	1.90	.96	4.7	5.2	4.5	4.9
June	29.854	30.133	29.370	72.6	81.2	78.4	86.3	68.0	77.2	95	59	65	63	64	76	54	64	.622	.580	.613	1.43	1.07	3.1	5.5	2.8	3.9
July	29.910	30.250	29.600	73.8	81.8	76.1	85.2	68.7	77.0	97	62	67	66	68	81	60	76	.670	.649	.682	4.14	1.11	5.7	6.5	6.1	5.9
August	29.906	30.090	29.680	74.1	81.3	75.5	84.9	69.9	77.4	92	59	69	68	69	84	65	82	.706	.692	.720	4.47	2.05	5.7	6.3	4.3	6.1
September	30.005	30.410	29.680	70.6	77.3	71.7	80.5	66.6	73.6	88	55	63	62	64	79	60	77	.601	.574	.609	3.23	1.90	5.5	6.0	3.7	5.5
October	30.018	30.340	29.410	56.1	64.2	60.6	68.4	53.7	61.0	80	42	49	48	50	79	57	70	.357	.343	.378	1.70	.95	5.0	5.0	3.3	4.7
November	29.991	30.480	29.540	46.4	53.8	51.8	57.0	44.2	50.6	70	33	41	39	42	82	60	71	.268	.256	.280	1.95	.72	5.1	6.6	5.0	5.8
December	30.024	30.720	29.370	46.2	53.8	51.8	59.0	43.2	51.1	70	32	40	40	41	78	62	68	.261	.270	.279	.93	.51	5.3	5.1	3.8	5.2
Year	29.965	30.720	29.030	56.4	63.8	60.2	68.4	52.1	60.3	97	19	49	48	49	77	58	70	.403	.386	.409	32.21	2.05	5.1	5.5	4.4	5.3

NORTHFIELD, VT.

[φ=44° 10′ N.; λ=72° 41′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.091	29.820	28.510	8.7	15.5	12.8	23.1	−1.7	10.7	46	−25	7	9	9	88	72	84	0.065	0.069	0.068	3.41	1.10	8.1	7.3	6.8	7.2
February	29.091	29.670	28.530	4.3	16.4	12.5	22.5	−1.9	10.3	40	−22	2	8	7	90	67	77	.052	.064	.061	.47	.33	7.4	6.7	6.2	7.0
March	29.004	29.713	28.220	17.4	27.6	29.3	34.4	8.5	21.4	58	−10	12	16	16	80	61	70	.085	.100	.101	1.84	.59	5.4	5.8	5.5	6.7
April	28.974	29.530	28.380	38.2	44.6	41.0	50.4	28.3	39.4	81	1	30	32	32	72	63	71	.177	.199	.191	3.00	1.43	6.1	7.0	5.3	6.4
May	29.011	29.389	28.410	49.8	59.3	51.7	63.1	35.1	49.1	80	26	44	47	44	81	65	75	.294	.325	.290	1.75	.55	5.0	5.2	4.6	5.0
June	28.928	29.310	28.280	61.3	70.5	63.0	74.8	48.5	61.6	91	34	56	58	56	83	65	79	.462	.486	.462	2.94	1.15	5.6	6.1	5.3	6.0
July	29.085	29.502	28.770	61.4	71.9	63.7	75.3	49.1	62.2	87	40	56	58	58	85	64	81	.462	.490	.478	2.43	.81	5.5	5.8	5.5	6.2
August	29.031	29.259	28.500	59.4	70.3	61.9	75.7	47.4	61.6	87	36	54	56	55	83	61	79	.425	.454	.448	1.07	.49	5.5	5.6	4.7	5.6
September	29.177	29.571	28.870	54.5	65.6	57.0	66.6	45.4	57.0	83	26	51	53	53	90	68	88	.392	.441	.420	2.37	.95	7.7	6.6	5.4	7.0
October	29.159	29.473	28.660	40.4	53.3	44.3	58.0	32.5	45.2	72	20	37	43	40	90	68	86	.230	.282	.258	3.75	3.01	5.9	5.9	4.1	5.8
November	29.104	29.624	28.372	30.2	39.7	34.3	44.0	24.2	34.1	65	11	28	30	30	90	70	83	.154	.172	.168	3.03	1.39	7.3	6.5	5.9	7.0
December	29.052	29.773	28.220	26.3	32.2	29.6	36.3	20.1	28.2	58	−9	23	26	25	88	78	84	.134	.150	.146	2.25	.63	8.9	8.0	7.1	8.1
Year	29.059	29.820	28.220	37.7	47.2	41.8	52.2	28.0	40.1	91	−25	33	36	35	85	67	80	.244	.269	.258	29.81	3.01	6.6	6.5	5.5	6.5

Annual meteorological summary for the year ending December 31, 1923—Continued

NEW ORLEANS, LA.

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

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorms	Auroras
	Miles		*Mi.*																									
January	6.4	S.	26	W.	0	6	8	3	11	18	9	2	5	0	14	7	10	8	4	0	0	0	3	0	0	0	1	0
February	7.8	NE.	22	N.	0	8	15	6	6	5	9	4	3	0	6	9	13	7	6	0	0	0	1	0	0	0	2	0
March	8.7	NE.	32	SW.	0	6	15	6	13	14	4	1	3	0	8	7	16	14	9	0	0	1	2	0	0	0	3	0
April	7.3	S.	24	S.	0	9	6	5	11	14	9	2	3	1	10	11	9	9	9	0	0	0	0	0	0	0	7	0
May	6.8	S.	33	NE.	0	5	2	6	5	11	15	6	12	0	12	14	5	10	9	0	0	0	0	0	1	0	11	0
June	5.7	SE.	19	SW.	0	0	7	3	17	10	9	8	6	0	2	18	10	18	13	0	0	0	0	0	3	0	14	0
July	5.8	SW.	26	SW.	0	0	2	7	12	2	20	13	6	0	3	15	13	16	13	0	0	0	0	0	8	0	17	0
August	4.8	SW.	23	N.	0	2	3	2	5	13	21	12	4	0	2	20	9	16	15	0	0	0	0	0	11	0	18	0
September	5.1	SE.	29	E.	0	6	10	9	10	10	3	6	6	0	13	14	3	10	10	0	0	0	0	0	12	0	8	0
October	9.2	E.	36	SE.	0	11	15	25	2	2	2	2	2	1	14	6	11	9	8	0	0	0	0	0	2	0	1	0
November	6.1	NE.	24	S.	0	4	12	7	9	5	4	10	9	0	12	8	10	6	6	0	0	0	2	0	0	0	3	0
December	7.4	S.	24	NE.	0	3	13	6	12	10	10	4	3	1	4	6	21	14	11	0	0	0	4	0	0	0	0	0
Year	6.8	S.	36	SE.	0	60	108	85	113	114	115	70	62	3	100	135	130	137	113	0	0	1	12	0	37	0	85	0

NEW YORK, N. Y.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	19.8	NW.	70	NW.	12	8	5	8	2	2	4	12	21	0	5	10	16	15	13	14	11	0	2	7	0	26	0	0
February	17.2	NW.	70	NW.	10	5	7	8	1	2	8	5	20	0	3	13	12	14	10	16	9	0	3	11	0	25	0	0
March	22.0	NW.	74	NW.	13	8	3	3	4	9	10	7	18	0	8	12	11	9	8	6	5	0	1	2	0	22	1	1
April	20.9	NW.	64	NW.	16	6	5	3	2	9	12	12	11	0	10	11	9	9	5	0	0	0	3	0	0	2	1	0
May	16.1	S.	48	SW.	5	8	5	7	6	15	6	8	7	0	17	8	6	6	6	0	0	0	2	0	0	0	2	0
June	15.6	NW.	60	SW.	7	8	2	7	4	5	12	6	16	0	11	9	10	8	7	0	0	0	0	0	5	0	8	0
July	11.5	S.	39	W.	0	7	8	7	5	18	9	2	6	0	6	14	11	12	11	0	0	0	0	0	2	0	7	0
August	13.8	S.	58	NW.	4	6	6	3	8	13	15	4	7	0	14	11	6	7	6	0	0	0	0	0	0	0	4	0
September	12.3	N.	42	NW.	2	12	3	6	8	13	4	7	7	0	9	13	8	7	4	0	0	0	0	0	0	0	3	0
October	16.0	NW.	54	SE.	6	10	8	7	0	8	11	4	14	0	11	13	7	10	9	0	0	0	2	0	0	0	0	0
November	15.8	NW.	56	SE.	6	9	8	8	2	5	6	10	12	0	7	12	11	7	4	0	0	0	1	0	0	3	0	0
December	18.3	NW.	68	NW.	10	5	3	7	2	5	14	8	18	0	8	8	15	13	11	6	4	0	3	0	0	8	0	0
Year	16.6	NW.	74	NW.	91	92	63	74	44	104	111	85	157	0	109	134	122	117	94	42	29	0	17	20	7	86	26	1

NORFOLK, VA.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	15.1	NE.	48	W.	7	6	14	8	2	10	5	10	7	0	11	7	13	9	7	2	0	0	3	0	0	5	1	0
February	13.9	NE.	40	NW.	1	8	13	2	5	7	8	8	5	0	8	7	13	12	9	3	2	0	3	2	0	15	1	0
March	15.5	SW.	56	W.	7	9	7	9	8	10	12	7	0	0	11	10	10	10	10	1	0	0	3	0	0	5	1	0
April	14.7	S.	48	W.	5	8	9	5	4	22	7	4	1	0	17	4	9	8	7	0	0	0	0	0	0	2	4	0
May	12.7	NE.	49	SW.	4	2	12	9	14	15	3	4	3	0	12	10	9	8	6	0	0	0	4	0	0	0	6	0
June	12.6	SW.	42	NW.	1	7	4	3	5	12	16	10	3	0	17	8	5	6	4	0	0	0	1	0	10	0	1	0
July	11.3	E.	45	W.	2	2	12	13	5	12	10	5	3	0	6	17	8	13	11	0	0	0	1	0	6	0	12	0
August	10.4	S.	41	NW.	1	3	9	8	4	16	12	7	3	0	6	13	12	13	12	0	0	0	3	0	6	0	7	0
September	10.2	NE.	35	N.	0	4	18	11	7	14	2	4	0	0	6	17	7	7	5	0	0	0	3	0	0	0	4	0
October	12.3	NE.	44	NE.	2	11	19	0	2	16	4	3	6	1	13	8	10	4	4	0	0	0	2	0	0	0	0	0
November	13.3	NE.	39	W.	0	13	12	9	4	6	4	9	3	0	8	9	13	8	5	0	0	0	3	0	0	0	1	0
December	13.7	S.	42	N.	1	8	8	3	6	17	13	6	1	0	12	11	8	8	6	1	1	0	0	0	0	3	1	0
Year	13.0	S.	56	W.	31	81	137	80	66	157	96	77	35	1	127	121	117	106	86	7	3	0	26	2	22	30	39	0

NORTHFIELD, VT.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	7.4	N.	42	S.	1	17	8	1	0	21	7	1	7	0	6	6	19	13	13	20	12	0	1	26	0	30	0	0
February	7.5	S.	30	SW.	0	13	2	0	1	26	7	1	4	0	4	10	14	7	2	17	7	0	1	21	0	28	0	0
March	9.3	S.	38	SE.	0	12	4	0	3	12	15	2	13	1	5	10	16	14	7	22	14	0	0	14	0	30	0	1
April	9.6	S.	31	NE.	0	17	5	0	3	15	12	2	6	0	7	10	13	13	7	7	5	0	1	1	0	19	0	1
May	8.0	S.	29	SW.	0	17	13	1	1	19	5	1	5	0	13	9	9	10	7	1	1	0	0	0	0	13	2	0
June	6.0	S.	28	SW.	0	20	8	1	2	15	11	1	2	0	7	12	11	12	10	0	0	0	0	0	2	0	5	0
July	5.4	S.	23	N.	0	15	7	0	1	28	6	1	3	1	7	11	13	13	7	0	0	0	1	0	0	0	5	0
August	6.6	S.	32	S.	0	7	10	1	3	22	14	1	4	0	8	15	8	9	5	0	0	0	3	0	0	0	2	0
September	6.5	S.	28	S.	0	13	4	0	1	27	14	0	1	0	4	10	16	11	8	0	0	0	7	0	0	5	3	0
October	6.1	S.	33	W.	0	12	3	1	3	27	8	1	7	0	8	12	11	10	7	1	0	0	5	0	0	15	2	2
November	6.0	S.	27	SE.	0	14	2	1	1	24	13	2	3	0	5	8	17	10	7	9	6	0	2	1	0	26	0	0
December	7.1	S.	29	SW.	0	19	3	0	2	17	17	2	2	0	1	10	20	15	11	15	12	0	2	9	0	26	0	0
Year	7.1	S.	40	S.	1	176	69	6	21	255	129	15	57	2	75	123	167	137	91	92	57	0	23	72	2	192	19	4

Annual meteorological summary for the year ending December 31, 1923—Continued

NORTH HEAD, WASH.

[ϕ=46° 16′ N.; λ=124° 04′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.739	30.083	29.070	42.3	43.9	43.7	46.5	39.0	42.8	53	28	39	41	40	89	88	86	0.246	0.259	0.249	10.07	1.86	7.4	8.6	8.0	8.1
February	30.006	30.390	28.780	38.4	41.9	43.4	45.2	36.0	40.6	58	25	34	36	38	83	82	81	.195	.217	.228	4.41	2.31	4.5	6.3	6.4	6.2
March	29.988	30.312	29.540	42.9	46.2	45.4	48.6	40.0	44.3	68	33	39	41	40	86	84	83	.236	.263	.254	2.94	.59	6.1	6.8	6.6	6.4
April	29.774	30.230	29.347	46.6	49.7	50.1	52.4	44.5	48.4	66	39	44	47	47	92	91	90	.290	.324	.323	2.50	.83	6.5	8.4	8.2	7.6
May	29.830	30.040	29.460	48.8	52.4	52.4	54.3	47.4	50.8	60	41	46	48	48	90	87	87	.312	.341	.340	2.09	.43	9.5	8.5	7.7	7.5
June	29.757	30.000	29.547	53.0	57.2	57.1	59.2	51.9	55.6	71	48	49	52	52	88	83	84	.355	.391	.390	.96	.22	7.8	6.7	6.4	6.1
July	29.841	30.070	29.560	56.6	60.5	60.6	62.3	55.7	59.0	69	52	54	55	55	91	83	82	.418	.437	.433	1.31	.63	8.1	7.5	6.4	6.0
August	29.841	29.970	29.580	58.5	63.4	63.3	65.3	57.5	61.4	71	52	57	58	58	94	82	84	.480	.480	.491	.24	.09	7.4	5.8	4.3	5.6
September	29.827	30.090	29.430	56.2	60.5	60.2	62.6	54.0	58.3	82	49	53	54	55	90	82	84	.404	.426	.428	2.05	1.24	5.1	5.1	4.9	6.2
October	29.802	30.200	29.050	54.8	57.8	57.6	60.8	51.8	56.3	73	45	46	48	48	74	72	74	.318	.346	.348	2.66	.67	5.5	6.3	6.5	5.8
November	29.868	30.250	29.325	51.4	54.9	53.9	57.4	48.3	52.8	70	40	44	46	46	78	73	78	.292	.308	.313	3.36	.89	6.1	6.0	6.2	5.7
December	29.829	30.370	29.167	44.0	45.1	45.0	48.5	40.4	44.4	58	22	41	40	41	88	84	85	.260	.255	.258	8.30	1.72	7.2	7.9	8.6	8.5
Year	29.842	30.390	28.780	49.5	52.8	52.7	55.3	47.2	51.2	82	22	46	47	47	87	83	83	.316	.337	.338	40.89	2.31	6.8	7.0	6.7	6.6

NORTH PLATTE, NEBR.

[ϕ=41° 08′ N.; λ=100° 45′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	27.066	27.490	26.630	22.4	41.5	35.8	46.3	19.5	32.9	65	5	16	20	17	76	42	47	0.087	0.106	0.093	0.11	0.07	2.7	4.0	2.9	4.0
February	27.231	27.837	26.570	13.9	34.4	32.5	41.2	11.2	26.2	61	−7	9	14	14	80	43	47	.065	.083	.084	.14	.12	3.1	5.1	4.1	4.7
March	27.073	27.550	26.470	23.5	42.4	40.0	48.5	19.8	34.2	75	−2	18	20	19	79	43	46	.099	.107	.105	.38	.17	5.1	3.9	5.5	4.5
April	27.012	27.370	26.501	37.1	55.9	55.4	61.2	35.0	48.1	87	24	32	30	31	83	44	46	.192	.174	.184	2.02	.56	5.1	5.0	6.3	5.2
May	27.030	27.548	26.645	49.0	63.7	63.7	68.5	45.8	57.2	83	30	44	43	44	84	51	54	.305	.300	.315	4.08	1.02	6.5	5.4	6.1	5.8
June	27.018	27.310	26.760	61.3	76.1	74.0	79.5	58.9	69.2	94	48	57	57	59	86	55	62	.471	.482	.511	4.15	1.26	6.3	4.2	5.5	5.1
July	27.125	27.280	26.920	66.6	83.4	81.9	86.8	65.0	75.9	95	55	63	63	64	88	53	57	.577	.588	.605	3.63	1.56	4.5	3.9	4.9	4.1
August	27.139	27.400	26.904	60.3	78.0	75.2	81.7	58.7	70.2	91	47	57	60	61	90	55	63	.475	.522	.552	4.70	2.16	4.6	3.6	5.1	3.9
September	27.121	27.370	26.829	51.9	73.4	68.6	77.1	50.6	63.8	91	40	48	49	52	88	46	56	.346	.360	.388	.88	.43	4.1	4.1	4.1	3.8
October	27.219	27.580	26.647	39.1	54.0	49.2	56.9	37.3	47.1	77	9	36	37	37	90	56	66	.234	.242	.243	1.77	.58	5.9	5.3	5.8	5.7
November	27.161	27.520	26.790	30.4	52.9	44.9	56.3	28.7	42.5	71	18	26	29	28	83	42	53	.141	.163	.156	.45	.45	3.6	2.3	2.0	3.2
December	27.124	27.720	26.470	21.8	38.6	30.9	42.5	18.3	30.4	62	−17	17	19	19	82	47	60	.099	.107	.106	.39	.32	4.2	5.3	3.0	5.2
Year	27.110	27.837	26.470	39.8	57.9	54.2	62.2	37.4	49.8	95	−17	35	37	37	84	48	55	.258	.270	.278	22.70	2.16	4.6	4.3	4.6	4.6

OKLAHOMA CITY, OKLA.

[ϕ=35° 26′ N.; λ=97° 33′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	28.766	29.250	28.340	40.0	53.5	50.9	58.9	36.6	47.8	72	24	29	32	30	65	48	48	0.171	0.197	0.182	2.74	2.59	4.9	5.5	4.2	4.7
February	28.930	29.490	28.350	31.7	40.7	40.4	46.9	29.1	38.0	68	11	25	26	25	76	57	56	.150	.150	.145	.20	.10	5.2	6.8	5.2	5.9
March	28.740	29.230	27.850	36.8	51.3	51.3	58.0	34.5	46.2	80	9	29	29	29	73	46	45	.170	.172	.165	2.58	1.24	5.4	5.3	4.7	5.0
April	28.654	28.950	28.130	51.8	64.3	63.2	69.5	49.1	59.3	83	33	44	45	45	76	55	57	.311	.328	.327	4.27	1.29	5.3	5.4	6.2	5.6
May	28.584	29.000	28.110	60.3	71.3	69.8	75.8	56.8	66.3	94	40	54	55	56	81	58	64	.442	.458	.475	7.01	2.39	6.1	6.6	5.1	5.9
June	28.643	28.940	28.300	70.1	82.3	80.9	86.1	67.7	76.9	100	54	65	65	65	84	58	61	.623	.626	.630	3.62	1.60	5.5	4.8	2.8	4.4
July	28.694	28.930	28.450	74.4	91.9	89.8	95.5	72.4	84.0	105	62	66	64	62	75	41	42	.636	.606	.570	.15	.09	4.2	4.8	3.5	4.0
August	28.691	28.890	28.489	72.3	91.1	88.7	95.7	71.6	83.6	106	61	61	60	58	68	37	38	.546	.519	.486	3.57	2.62	2.9	3.2	2.8	2.8
September	28.726	28.920	28.526	65.7	79.5	76.5	83.2	64.7	74.0	93	55	61	63	63	86	60	65	.551	.585	.584	10.28	3.10	4.6	4.2	3.5	4.1
October	28.843	29.180	28.300	51.1	60.1	57.7	63.3	49.7	56.5	78	32	47	49	50	87	70	78	.339	.370	.385	9.64	3.47	6.7	6.3	4.6	5.9
November	28.823	29.090	28.430	42.9	56.7	52.3	58.9	41.6	50.2	70	32	38	41	42	83	59	69	.237	.269	.270	2.13	1.38	4.8	4.6	3.4	4.1
December	28.794	29.280	28.190	36.7	46.3	43.3	50.8	33.6	42.2	70	7	32	34	34	83	63	70	.191	.206	.204	2.06	1.20	5.7	5.8	5.0	5.5
Year	28.741	29.490	27.850	52.9	65.8	63.7	70.2	50.6	60.4	106	7	46	47	47	78	54	58	.364	.374	.369	48.25	3.47	5.1	5.3	4.2	4.8

OMAHA, NEBR.

[ϕ=41° 16′ N.; λ=95° 56′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	28.844	29.410	28.303	28.2	34.8	34.2	40.5	24.5	32.5	56	12	22	25	23	75	68	66	0.115	0.131	0.125	0.87	0.58	4.9	6.0	4.7	6.0
February	29.040	29.740	28.370	19.1	27.4	29.4	35.3	15.8	25.6	54	−8	12	15	17	72	59	59	.085	.093	.100	.08	.04	4.4	4.1	3.9	4.6
March	28.842	29.410	28.160	26.5	35.3	36.2	42.9	22.5	32.7	78	−8	20	24	24	78	66	64	.116	.132	.134	3.95	1.64	4.4	5.7	4.6	5.3
April	28.749	29.110	28.100	43.8	56.6	57.0	62.0	40.5	51.2	82	22	37	39	39	77	55	53	.226	.246	.249	1.57	.97	4.6	5.1	5.6	4.9
May	28.747	29.163	28.250	55.0	66.2	66.2	70.3	51.6	60.9	85	35	47	50	49	76	58	55	.341	.380	.360	2.50	.70	5.0	6.7	6.0	5.0
June	28.744	29.055	28.420	67.1	76.6	75.9	80.7	64.1	72.4	97	51	62	64	62	84	67	66	.567	.607	.575	6.00	2.17	5.8	6.2	5.3	5.9
July	28.819	29.010	28.610	72.7	84.4	84.8	88.6	70.4	79.5	99	60	66	66	65	79	56	55	.634	.639	.627	.86	.38	3.8	4.5	3.9	4.3
August	28.818	29.120	28.500	66.9	77.3	77.7	82.1	63.7	72.9	96	48	62	63	64	85	64	63	.565	.593	.601	4.24	2.49	5.6	4.9	3.9	4.7
September	28.831	29.130	28.470	59.9	72.4	70.7	76.5	58.3	67.4	92	44	55	56	56	84	59	62	.446	.465	.466	9.32	6.80	4.9	4.6	5.0	5.0
October	28.964	29.280	28.400	44.6	56.1	54.4	60.4	43.1	51.8	77	19	39	42	41	81	61	63	.257	.286	.278	.71	.35	4.8	3.8	4.2	4.3
November	28.897	29.190	28.480	36.7	46.2	47.4	52.7	35.0	43.8	65	21	30	34	34	78	59	60	.174	.201	.199	.27	.24	2.3	4.8	2.6	3.8
December	28.870	29.480	28.110	30.3	39.3	37.1	43.6	26.8	35.2	61	−6	24	26	26	77	62	64	.135	.147	.144	.58	.29	5.4	5.5	4.2	5.5
Year	28.849	29.740	28.100	45.9	56.0	55.9	61.3	43.9	52.2	99	−8	40	42	42	79	61	61	.305	.327	.322	30.95	6.80	4.6	5.2	4.5	5.0

Annual meteorological summary for the year ending December 31, 1923—Continued

NORTH HEAD, WASH.

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

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	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	20.4	S.	84	S.	15	7	2	11	8	15	11	6	2	0	4	4	23	22	22	1	1	0	0	0	0	4	0	0
February	13.3	N.	68	NW.	5	19	1	10	10	4	1	1	9	1	9	5	14	12	8	3	2	0	0	0	0	6	0	0
March	16.7	NW.	58	S.	16	11	1	4	4	13	6	7	16	0	8	6	17	13	13	2	0	0	1	0	0	0	0	0
April	16.6	S.	65	S.	6	8	3	5	8	14	3	6	13	0	0	12	18	15	10	0	0	0	3	0	0	0	0	0
May	13.8	NW.	56	S.	2	9	0	0	4	12	8	10	19	0	1	11	19	20	12	0	0	0	0	0	0	0	0	0
June	12.9	NW.	40	NW.	1	14	2	3	1	12	6	7	14	1	7	11	12	11	8	0	0	0	3	0	0	0	0	0
July	14.5	N.	39	N.	0	21	1	1	1	7	6	3	22	0	8	14	9	6	8	0	0	0	3	0	0	0	0	0
August	11.4	N.	34	N.	0	29	3	1	4	7	3	4	11	0	8	14	9	4	2	0	0	0	2	0	0	0	1	0
September	11.6	N.	68	S.	4	24	1	5	7	10	1	2	10	0	9	8	13	7	6	0	0	0	5	0	0	0	0	0
October	14.0	E.	78	S.	7	8	0	18	5	13	2	5	9	2	9	8	14	11	10	0	0	0	0	0	0	0	0	0
November	14.6	SE.	66	S.	9	8	0	15	17	7	4	0	9	0	9	8	13	16	14	0	0	0	1	0	0	0	0	0
December	21.8	SE.	88	S.	16	4	0	13	15	14	1	8	7	0	1	6	24	29	28	2	2	0	0	1	0	2	1	0
Year	15.1	N.	88	S.	81	162	14	86	84	128	52	59	141	4	73	107	185	171	138	8	5	0	18	1	0	12	2	0

NORTH PLATTE, NEBR.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	7.0	W.	32	NW.	0	4	2	7	8	3	4	23	11	0	16	7	8	3	1	3	3	0	0	4	0	30	0	0
February	7.0	N.	35	NW.	0	13	2	3	5	4	2	11	16	0	12	7	9	3	1	9	3	0	0	7	0	28	0	0
March	8.1	W.	40	N.	1	10	6	3	4	3	5	17	14	0	14	10	7	6	4	7	5	0	0	4	0	30	0	0
April	4.6	N.	22	NW.	0	9	9	8	12	4	5	8	5	0	13	6	11	10	10	2	2	1	0	0	0	14	3	0
May	6.5	SE.	27	SE.	0	8	13	8	15	7	4	3	4	0	11	5	15	10	9	1	1	1	0	0	0	2	7	0
June	8.0	S.	33	SW.	0	9	9	10	12	14	0	5	1	0	14	9	7	10	8	0	0	3	1	0	1	0	7	0
July	5.6	S.	21	N.	0	6	3	6	17	26	0	1	2	1	14	12	5	7	6	0	0	0	2	0	8	0	7	0
August	5.2	E.	37	NW.	0	12	9	16	5	12	4	1	3	0	17	6	8	12	7	0	0	0	1	0	3	0	12	0
September	5.9	SE.	32	E.	0	9	5	7	13	7	3	8	6	2	16	8	6	6	3	0	0	0	0	0	2	0	3	0
October	7.0	SE.	24	S.	0	14	6	2	13	10	1	6	9	1	10	7	14	13	7	4	4	0	1	1	0	12	1	0
November	5.7	W.	31	NW.	0	4	3	1	6	8	5	16	17	0	18	8	4	1	1	2	0	0	1	0	0	25	0	0
December	6.4	N.	31	N.	0	14	4	0	0	8	11	10	14	1	12	6	13	4	1	4	3	0	0	3	0	30	0	0
Year	6.5	N.	40	N.	1	112	71	71	110	106	44	109	102	5	167	91	107	85	58	32	21	5	6	19	14	171	40	0

OKLAHOMA CITY, OKLA.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	11.8	S.	36	N.	0	21	1	3	5	19	8	2	3	0	16	3	12	3	3	0	0	0	2	0	0	8	2	0
February	11.6	N.	40	N.	1	21	9	5	0	14	3	1	3	0	7	10	11	5	2	2	2	0	3	2	0	16	0	0
March	15.1	S.	42	N.	4	20	4	1	4	20	3	1	8	1	10	12	9	5	4	3	1	0	0	1	0	11	3	0
April	12.0	S.	36	S.	0	9	4	12	4	21	2	4	4	0	9	11	10	9	9	0	0	1	0	0	0	0	6	0
May	11.6	N.	40	N.	2	16	2	8	18	10	0	3	5	0	7	15	9	12	6	0	0	3	0	0	1	0	10	0
June	11.1	S.	28	S.	0	5	3	3	13	32	1	1	2	0	12	14	4	5	4	0	0	1	0	0	10	0	8	0
July	7.6	S.	25	NW.	0	5	5	4	14	27	4	2	1	0	13	17	1	2	2	0	0	0	0	0	28	0	5	0
August	8.3	S.	31	S.	0	6	4	1	4	41	4	1	1	0	23	6	2	3	3	0	0	0	0	0	25	0	2	0
September	9.1	S.	48	NW.	1	6	6	6	13	24	1	2	2	0	16	7	7	13	11	0	0	1	0	0	5	0	12	0
October	8.0	N.	33	N.	0	11	16	6	15	4	2	1	7	0	11	8	12	16	14	0	0	0	1	0	0	1	4	0
November	8.4	N.	26	SW.	0	17	4	2	5	13	5	6	8	0	16	5	9	5	3	2	1	0	1	0	0	1	0	0
December	11.2	S.	35	S.	0	22	1	0	2	22	2	4	8	1	10	11	10	6	4	0	0	0	0	1	0	11	0	0
Year	10.6	S.	48	NW.	8	159	59	51	97	247	35	28	52	2	150	119	96	84	65	7	4	6	7	4	69	48	52	0

OMAHA, NEBR.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	8.3	NW.	28	NW.	0	9	2	2	11	5	4	7	22	0	9	7	15	5	5	7	4	0	1	7	0	28	0	0
February	9.9	NW.	40	NW.	1	6	2	5	5	3	6	3	25	0	13	6	9	4	1	5	3	0	0	11	0	25	0	0
March	10.9	NW.	48	NW.	3	13	5	2	8	8	6	1	19	0	9	14	8	7	7	9	7	0	0	7	0	25	0	0
April	8.8	NW.	34	NW.	0	10	10	1	7	11	5	4	11	1	14	6	10	8	6	2	0	0	0	0	0	3	4	0
May	8.6	SE.	35	NW.	0	6	10	11	12	5	3	2	13	0	7	13	11	13	9	0	0	0	0	0	0	0	9	0
June	7.1	SE.	39	W.	0	4	8	8	15	11	1	5	8	0	5	15	10	12	11	0	0	1	1	0	7	0	10	0
July	6.5	SE.	25	N.	0	10	7	6	24	11	1	1	2	0	13	13	5	6	5	0	0	0	1	0	14	0	6	0
August	6.3	NE.	38	N.	0	12	15	6	10	2	5	3	8	1	13	10	8	15	11	0	0	0	0	0	3	0	13	0
September	6.8	SE.	36	N.	0	7	6	4	20	5	2	3	11	2	10	11	9	12	11	0	0	1	2	0	1	0	8	0
October	6.9	NW.	31	NW.	0	6	3	3	13	8	4	7	18	0	15	8	8	7	3	1	1	0	1	0	0	5	0	0
November	6.5	NW.	29	NW.	0	9	2	2	9	13	5	4	15	1	16	10	4	3	2	1	0	0	0	1	0	8	0	0
December	7.9	NW.	33	N.	0	8	1	1	4	14	14	4	15	1	8	11	12	5	3	3	3	0	2	2	0	22	0	0
Year	7.8	NW.	48	NW.	4	100	71	51	138	96	56	44	168	6	132	124	109	97	74	28	18	2	8	28	25	116	50	0

Annual meteorological summary for the year ending December 31, 1923—Continued

OSWEGO, N. Y.

[ϕ=43° 29′ N.; λ=76° 35′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.689	30.470	29.080	19.9	21.7	21.2	27.9	12.7	20.3	41	−5	17	18	18	88	84	87	0.098	0.110	0.102	2.22	0.63	9.2	9.0	7.9	8.7
February	29.723	30.270	29.120	16.4	20.4	20.5	26.2	10.7	18.4	42	−6	14	16	16	90	84	82	.066	.094	.093	1.85	.46	9.6	7.7	8.2	8.6
March	29.616	30.330	28.920	26.2	28.9	27.2	35.5	20.1	27.8	56	6	20	22	21	78	73	76	.120	.124	.119	1.84	.46	7.7	7.8	7.3	7.2
April	29.574	30.220	28.940	40.0	43.0	42.1	49.1	33.1	41.1	72	11	31	31	33	72	65	72	.181	.181	.193	1.59	.71	7.1	6.5	5.4	6.0
May	29.590	29.966	29.030	49.2	51.2	50.6	58.8	41.1	50.0	78	30	40	38	39	71	64	66	.249	.241	.243	1.98	.58	4.8	3.9	5.6	3.9
June	29.525	29.830	28.960	61.1	65.4	62.1	70.5	53.1	61.8	88	42	54	55	52	77	69	72	.427	.445	.412	2.96	.92	5.1	4.1	5.5	4.3
July	29.639	29.995	29.310	69.1	71.1	69.1	75.2	60.4	67.8	84	54	57	56	57	73	62	67	.468	.464	.471	.62	.46	5.8	5.5	5.4	5.1
August	29.589	29.812	29.140	63.7	68.5	66.6	73.0	57.0	65.0	86	44	55	54	55	74	62	68	.443	.438	.445	1.84	.74	5.2	4.3	4.4	4.2
September	29.719	30.193	29.420	58.8	64.3	62.3	68.7	54.3	61.5	88	42	53	53	54	83	69	74	.422	.425	.431	2.75	.75	7.5	7.2	3.7	6.4
October	29.736	30.080	29.190	47.4	58.9	50.7	57.5	42.5	50.0	80	30	40	41	42	77	64	74	.258	.268	.274	3.54	2.52	9.6	5.8	4.0	6.0
November	29.678	30.164	29.050	37.9	41.8	44.2	45.7	34.4	40.0	58	25	33	34	33	82	75	74	.191	.200	.193	3.30	1.06	8.8	8.3	7.3	8.2
December	29.473	30.320	28.780	35.4	40.1	36.7	41.5	30.5	36.0	60	16	30	30	31	81	74	80	.175	.175	.179	3.11	.66	9.1	8.8	8.4	8.5
Year	29.629	30.470	28.780	43.8	47.5	46.1	52.5	37.5	45.0	88	−6	37	37	38	79	70	74	.260	.264	.263	27.50	2.52	7.5	6.6	6.1	6.4

PALESTINE, TEX.

[ϕ=31° 45′ N.; λ=95° 40′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.558	30.060	29.260	51.5	62.1	61.9	68.0	45.2	58.1	79	33	44	45	45	76	57	58	0.320	0.328	0.329	3.12	2.13	5.3	6.3	4.5	5.5
February	29.665	30.150	29.220	45.3	52.7	51.3	56.9	41.8	49.4	79	23	40	41	41	80	67	70	.271	.288	.282	3.71	1.37	8.2	7.6	7.7	7.6
March	29.535	29.960	28.920	49.3	57.6	58.4	63.8	44.7	54.2	76	20	42	43	42	77	61	57	.296	.305	.294	4.12	1.23	5.8	5.8	5.7	5.6
April	29.421	29.850	29.100	59.5	71.0	71.2	76.1	57.2	66.6	88	40	55	57	57	85	62	63	.451	.482	.481	4.75	1.82	6.8	6.2	6.7	5.9
May	29.331	29.750	28.966	66.0	77.7	77.3	82.2	63.3	72.8	92	48	60	60	61	81	55	58	.535	.529	.549	2.12	.70	5.3	5.2	4.2	4.7
June	29.412	29.600	29.210	73.1	84.9	83.9	89.1	71.0	80.0	94	64	69	67	68	86	56	61	.708	.665	.697	1.41	1.06	5.4	6.0	3.8	4.9
July	29.457	29.680	29.290	74.3	87.4	87.4	92.9	72.7	82.8	100	66	68	67	68	82	52	54	.691	.661	.682	1.04	.45	5.0	5.9	5.5	5.4
August	29.457	29.620	29.280	73.7	88.7	88.7	93.8	72.7	83.2	101	64	69	65	66	84	47	49	.705	.620	.646	1.83	1.29	4.8	5.1	4.9	4.7
September	29.482	29.650	29.320	69.6	82.4	78.7	84.3	68.3	76.3	95	59	67	66	67	91	60	69	.661	.647	.675	6.22	2.27	5.7	6.3	4.3	5.4
October	29.545	29.910	29.010	58.1	71.2	66.3	73.8	56.1	65.0	91	38	54	53	54	86	55	68	.437	.442	.458	3.66	2.10	4.7	5.4	5.1	5.3
November	29.593	29.830	29.219	48.7	60.7	58.5	64.2	47.0	55.6	74	36	44	44	44	83	57	60	.291	.299	.295	2.52	.81	5.7	5.4	5.1	5.5
December	29.563	30.070	29.160	50.3	55.6	54.2	60.4	46.8	53.6	79	25	46	48	49	87	78	84	.348	.370	.382	8.48	2.75	8.1	7.8	6.8	7.9
Year	29.502	30.150	28.920	60.0	71.0	69.8	75.5	57.5	66.5	101	20	55	55	55	83	59	63	.476	.470	.481	42.98	2.75	5.9	6.1	5.4	5.7

PARKERSBURG, W. VA.

[ϕ=39° 16′ N.; λ=81° 36′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.442	30.040	28.910	34.4	38.1	37.9	44.9	29.0	37.0	60	12	27	27	31	74	64	76	0.149	0.152	0.180	4.14	1.02	7.6	8.5	7.3	8.3
February	29.534	29.960	29.010	26.4	32.5	33.5	38.6	23.7	31.2	62	2	21	23	24	80	66	70	.125	.136	.146	2.32	.60	7.2	7.4	7.0	7.5
March	29.413	29.920	28.610	36.4	44.6	44.3	53.8	30.4	42.1	73	14	29	29	29	75	56	56	.172	.176	.170	3.35	1.13	5.5	5.9	4.7	5.3
April	29.356	30.004	28.900	44.7	58.3	56.6	64.6	40.5	52.6	81	15	36	36	36	71	46	50	.220	.229	.225	3.47	1.33	4.2	5.6	4.6	5.4
May	29.294	29.574	28.850	56.6	68.0	66.0	73.8	50.6	62.2	87	34	44	46	48	65	49	55	.309	.332	.354	2.31	.66	5.9	6.3	5.0	5.7
June	29.345	29.595	28.850	66.9	78.9	74.5	83.9	62.1	73.0	95	48	60	60	62	79	55	66	.532	.548	.568	5.42	2.35	3.6	4.8	5.9	5.4
July	29.376	29.640	29.080	68.3	80.8	76.3	85.5	63.9	74.7	93	53	62	64	66	80	59	71	.556	.617	.637	5.52	1.58	4.5	5.0	5.4	5.2
August	29.365	29.551	29.122	66.2	78.2	74.5	82.8	63.3	73.0	90	48	61	63	66	85	62	74	.555	.603	.641	7.38	2.34	4.7	5.5	4.5	5.5
September	29.456	29.799	29.198	60.7	73.9	68.4	78.4	58.3	68.4	88	41	55	56	60	83	55	76	.455	.489	.545	2.92	1.18	4.9	4.9	3.5	5.0
October	29.503	29.811	29.880	45.6	60.5	54.7	65.3	43.4	54.4	85	34	40	40	43	80	50	66	.253	.267	.299	.82	.36	3.8	3.7	2.9	4.0
November	29.453	29.850	29.050	38.2	47.8	45.2	52.3	35.8	44.0	68	25	32	33	34	78	58	66	.185	.192	.204	2.97	.75	5.7	5.7	5.0	6.3
December	29.418	30.080	28.600	41.0	48.5	46.5	54.1	36.3	45.2	65	20	36	38	39	81	68	77	.225	.248	.289	5.36	1.66	6.5	7.1	6.8	7.2
Year	29.413	30.080	28.600	48.8	59.2	56.5	64.8	44.8	54.8	95	2	42	43	45	78	57	67	.311	.332	.352	45.98	2.35	5.3	5.9	5.2	5.9

PENSACOLA, FLA.

[ϕ=30° 25′ N.; λ=87° 13′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	30.103	30.490	29.850	55.8	61.1	59.7	64.6	52.9	58.8	72	37	51	53	53	85	76	79	0.398	0.423	0.420	3.07	1.49	4.3	4.7	4.1	5.0
February	30.144	30.530	29.840	50.7	57.4	56.7	61.2	47.5	54.4	72	29	45	46	48	82	68	75	.350	.362	.381	4.95	2.41	6.2	5.7	6.1	5.6
March	30.048	30.300	29.500	56.5	61.4	60.9	66.0	52.6	59.3	76	30	52	52	54	86	74	78	.419	.424	.440	4.99	2.92	5.1	5.3	5.4	5.8
April	29.952	30.350	29.640	63.3	69.3	68.2	72.4	60.3	66.4	82	38	59	62	62	87	78	82	.532	.574	.574	6.56	3.06	6.4	5.3	5.3	5.8
May	29.837	30.150	29.550	70.2	74.1	72.9	77.1	65.7	71.4	85	52	66	68	67	86	83	82	.643	.701	.676	7.70	2.02	5.3	5.7	5.3	5.5
June	29.939	30.120	29.770	76.0	80.5	78.0	82.4	71.8	77.1	88	63	71	71	72	85	74	81	.768	.764	.776	12.71	4.33	6.7	6.1	7.3	7.2
July	29.961	30.140	29.760	76.5	81.0	79.3	84.1	72.3	78.2	93	62	72	72	72	87	76	78	.800	.791	.781	7.28	3.15	6.2	6.9	7.3	7.1
August	29.966	30.130	29.830	78.2	80.5	79.3	83.9	73.7	78.8	88	69	74	74	74	87	80	83	.839	.834	.833	9.59	2.19	6.3	7.1	6.8	6.8
September	29.958	30.150	29.800	74.8	83.2	80.7	85.7	72.5	79.1	91	64	69	70	70	82	64	71	.714	.728	.739	1.66	1.46	4.6	3.5	4.5	4.1
October	29.975	30.220	29.431	62.2	71.8	69.6	74.5	60.5	67.5	89	41	56	57	58	80	63	70	.470	.496	.520	14.66	7.30	4.7	4.3	3.4	4.2
November	30.051	30.390	29.740	53.0	61.9	60.4	65.4	50.7	55.0	76	42	46	50	52	79	66	74	.351	.372	.395	3.09	1.10	5.9	5.6	5.0	5.8
December	30.070	30.400	29.620	57.2	62.3	60.9	64.5	54.5	59.5	75	39	54	56	56	89	80	86	.440	.470	.476	1.26	.36	7.3	7.6	7.3	7.7
Year	30.000	30.530	29.431	64.5	70.4	68.9	73.5	61.2	67.4	93	29	60	61	62	85	74	78	.559	.577	.584	77.46	7.30	5.7	5.6	5.6	5.9

Annual meteorological summary for the year ending December 31, 1923—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	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	12.5	S.	33	S.	0	5	6	6	13	14	2	4	12	0	2	3	26	23	13	26	20	0	0	22	0	30	0	0
February	11.9	S.	43	W.	1	3	4	6	4	18	5	4	12	0	0	6	22	20	12	24	17	0	1	20	0	28	0	0
March	14.5	NW.	44	SW.	2	3	8	2	6	14	3	10	16	0	4	8	19	14	7	22	11	0	0	13	0	28	0	0
April	11.2	W.	36	W.	0	6	5	2	6	10	2	24	5	0	9	8	13	15	10	10	5	0	4	2	0	13	0	0
May	8.6	W.	29	W.	0	7	9	6	5	8	2	20	5	0	17	4	10	10	8	3	3	0	2	0	0	2	3	0
June	7.6	W.	27	W.	0	3	1	4	2	5	17	17	9	2	13	6	11	11	10	0	0	0	2	0	0	0	4	0
July	6.9	S.	25	NE.	0	5	8	4	0	16	7	15	6	1	12	9	10	9	3	0	0	0	2	0	0	0	0	0
August	7.9	S.	32	SW.	0	4	1	2	7	19	9	12	8	0	12	17	2	10	7	0	0	0	0	0	0	0	7	0
September	7.8	S.	32	N.	0	2	7	3	3	27	7	6	4	1	8	7	15	15	12	1	0	0	2	0	0	0	2	0
October	9.2	S.	32	SW.	0	5	5	2	4	18	11	9	8	0	7	11	13	10	8	1	1	0	3	0	0	1	1	0
November	10.6	S.	26	NW.	0	7	2	4	5	25	5	3	9	0	3	5	22	13	10	6	3	0	0	0	0	11	0	0
December	12.3	S.	46	W.	2	2	4	2	9	16	10	4	15	0	1	9	21	19	14	13	10	0	4	5	0	20	0	0
Year	10.1	S.	46	W.	5	52	60	43	64	190	80	128	109	4	88	93	184	169	114	106	70	0	20	62	0	133	17	0

PALESTINE, TEX.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	9.3	S.	30	NE.	0	5	8	5	2	23	13	3	3	0	10	9	12	7	4	0	0	0	0	0	0	0	3	0
February	8.2	NE.	28	NE.	0	12	16	5	3	6	7	0	7	0	5	2	21	14	11	1	0	0	1	2	0	7	3	0
March	10.5	S.	36	SW.	0	8	12	3	4	19	6	4	6	0	9	8	14	12	10	0	0	1	2	0	0	3	5	0
April	8.6	S.	30	SE.	0	3	8	9	9	17	6	3	5	0	6	11	13	9	8	0	0	0	1	0	0	0	8	0
May	7.3	N.	34	SW.	0	15	3	6	11	14	5	2	6	0	14	13	4	8	6	0	0	1	1	0	2	0	8	0
June	5.9	SE.	24	SW.	0	2	4	2	23	20	7	0	2	0	9	19	2	8	6	0	0	0	0	0	14	0	6	0
July	6.3	S.	22	NE.	0	0	6	6	10	18	17	5	0	0	5	22	4	7	5	0	0	0	0	0	24	0	8	0
August	6.6	S.	26	NW.	0	2	4	3	9	21	21	0	2	0	10	17	4	5	4	0	0	0	0	0	26	0	5	0
September	5.2	S.	34	S.	0	5	7	10	12	13	10	0	1	2	10	12	8	8	7	0	0	0	0	0	2	0	8	0
October	6.0	NE.	30	N.	0	9	19	17	5	2	1	2	7	0	10	9	12	9	6	0	0	0	2	0	1	0	3	0
November	6.4	S.	22	S.	0	9	10	2	4	14	7	5	9	0	10	10	10	5	5	0	0	0	1	0	0	0	2	0
December	8.1	SW.	36	SW.	0	8	9	6	3	10	12	3	11	0	4	5	22	17	15	1	0	0	2	0	0	3	4	0
Year	7.4	S.	36	SW.	0	78	106	74	95	177	112	27	59	2	102	137	126	109	87	2	0	2	10	2	69	13	63	0

PARKERSBURG, W. VA.

[H_b=637 ft.; h_t=77 ft.; h_r=68 ft.; h_a=82 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	7.2	SW.	32	NW.	0	2	6	2	10	5	15	11	11	0	3	4	24	15	13	8	4	0	0	2	0	22	0	0
February	7.4	NW.	38	NW.	0	4	2	1	7	3	10	13	16	0	4	7	17	13	10	11	5	0	0	10	0	20	0	0
March	8.8	SE.	43	W.	1	2	4	2	16	7	11	4	16	0	12	7	12	11	7	4	1	0	0	1	0	19	0	0
April	6.7	SE.	30	W.	0	3	5	2	12	8	9	10	11	0	11	9	10	8	6	0	0	0	0	0	0	4	3	0
May	5.4	N.	36	NW.	0	13	6	2	10	5	9	5	12	0	10	10	11	7	7	1	1	0	0	0	0	0	5	0
June	4.2	NW.	31	NW.	0	6	5	4	14	1	11	4	14	1	12	10	8	11	10	0	0	1	1	0	9	0	10	0
July	3.7	SE.	30	NW.	0	6	6	4	19	8	11	4	4	0	12	9	10	10	10	0	0	0	0	0	7	0	12	0
August	3.7	SE.	28	NW.	0	8	5	1	18	4	10	6	10	0	13	7	11	14	12	0	0	0	1	0	2	0	10	0
September	3.7	SE.	15	N.	0	10	3	3	22	2	2	6	10	2	13	9	8	11	7	0	0	0	1	0	0	0	3	0
October	4.3	SE.	24	NW.	0	11	7	2	13	4	9	7	9	0	18	7	6	8	8	0	0	0	3	0	0	0	0	0
November	5.5	SE.	24	NW.	0	9	2	1	14	4	9	10	11	0	11	4	15	15	12	2	0	0	1	0	0	11	0	0
December	5.9	SE.	34	W.	0	1	4	2	20	9	17	2	7	0	7	4	20	17	14	3	1	0	0	0	0	12	2	0
Year	5.5	SE.	43	W.	1	75	55	26	175	60	123	82	131	3	126	87	152	140	116	29	12	1	7	13	18	88	45	0

PENSACOLA, FLA.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	12.6	S.	45	S.	1	10	2	9	7	11	9	9	5	0	11	10	10	6	5	0	0	0	3	0	0	0	2	0
February	13.9	NE.	47	NW.	1	8	15	5	3	5	10	8	2	0	9	6	13	8	8	0	0	0	2	0	0	4	3	0
March	14.9	S.	46	SW.	3	8	14	8	7	10	7	5	3	0	10	7	14	9	7	0	0	0	4	0	0	2	2	0
April	12.3	S.	74	SW.	3	9	6	8	9	10	9	6	3	0	11	5	14	9	9	0	0	0	1	0	0	0	6	0
May	13.3	S.	60	SW.	3	9	4	5	6	15	7	11	5	0	10	12	9	17	12	0	0	0	0	0	0	0	18	0
June	11.5	W.	52	NE.	3	8	3	10	10	7	6	15	1	0	2	12	16	15	12	0	0	0	0	0	0	0	16	0
July	10.5	W.	40	NW.	1	5	7	8	2	3	6	24	7	0	2	12	17	12	11	0	0	0	0	0	0	3	15	0
August	9.4	SW.	40	S.	1	5	5	4	2	7	20	12	6	1	3	15	13	16	16	0	0	0	0	0	0	0	13	0
September	9.8	NE.	34	E.	0	10	17	10	2	7	7	5	2	0	11	15	4	6	5	0	0	0	0	0	2	0	4	0
October	16.1	E.	64	SE.	3	15	7	22	7	4	1	5	1	0	17	4	10	7	7	0	0	0	0	0	0	0	0	0
November	13.1	N.	46	S.	2	18	9	11	2	6	2	7	5	0	10	6	14	8	8	0	0	0	0	0	0	0	1	0
December	14.0	E.	40	N.	2	4	13	13	5	8	9	7	3	0	4	5	22	13	10	0	0	0	1	0	0	0	0	0
Year	12.7	S.	74	SW.	23	109	102	113	62	93	93	114	43	1	100	109	156	126	110	0	0	0	11	0	5	6	80	0

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1923—Continued

PEORIA, ILL.

[ϕ=40° 43′ N.; λ=89° 36′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.391	29.985	28.871	28.4	34.6	32.9	38.3	25.3	31.8	50	15	25	28	28	86	74	80	0.136	0.151	0.153	1.10	0.44	6.2	7.5	7.0	7.0
February	29.559	30.163	28.988	19.0	26.4	25.0	31.0	15.4	23.2	45	−6	15	18	20	85	71	79	.099	.116	.115	.83	.47	6.2	5.4	4.9	6.0
March	29.379	29.970	28.240	28.6	38.3	35.5	44.3	24.0	34.2	70	−2	23	28	28	80	66	74	.131	.163	.166	4.08	2.11	5.2	4.8	5.5	4.9
April	29.312	29.778	28.686	42.7	56.2	53.6	61.2	37.6	49.4	80	26	36	39	39	78	54	61	.220	.243	.250	1.95	.62	6.0	5.3	4.1	4.9
May	29.270	29.613	28.660	53.5	68.2	64.5	72.3	49.6	61.0	85	32	45	49	49	74	52	62	.313	.369	.375	5.15	2.59	5.4	5.2	6.5	5.0
June	29.313	29.623	28.890	68.2	79.8	76.4	83.2	52.7	73.0	97	45	62	63	63	81	58	64	.570	.594	.583	2.09	1.30	3.4	3.0	5.2	3.3
July	29.352	29.556	29.120	70.9	85.6	83.7	89.6	65.7	77.6	98	54	64	63	63	79	48	51	.597	.578	.587	1.35	.58	2.7	2.6	3.2	2.2
August	29.338	29.561	29.103	66.5	80.9	75.7	84.7	62.2	73.4	97	46	62	63	64	85	57	68	.566	.598	.613	2.84	1.57	4.4	4.5	3.3	3.9
September	29.406	29.690	28.976	59.8	71.9	66.9	75.3	55.4	65.4	86	37	57	59	60	91	66	78	.488	.525	.531	5.28	1.19	6.5	5.5	4.7	5.8
October	29.520	29.830	28.900	42.5	57.8	51.2	60.6	40.3	50.4	76	23	40	41	43	90	57	74	.262	.280	.289	3.85	1.80	3.8	3.5	3.4	3.4
November	29.429	29.773	28.875	35.7	47.7	43.4	50.3	34.1	42.2	67	24	32	36	36	86	65	76	.183	.214	.216	1.37	.42	5.2	5.5	5.6	5.3
December	29.387	29.934	28.800	34.0	42.0	38.6	45.6	30.4	38.0	57	−2	31	34	34	89	76	84	.182	.207	.206	2.21	1.12	6.3	6.4	5.4	5.8
Year	29.388	30.163	28.240	45.8	57.5	54.0	61.4	41.9	51.6	98	−6	41	43	44	84	62	71	.312	.336	.340	32.10	2.59	5.1	4.9	4.9	4.8

PHILADELPHIA, PA.

[ϕ=39° 57′ N.; λ=75° 09′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.966	30.710	29.410	32.7	36.1	35.7	40.5	28.3	34.4	59	14	25	26	25	72	66	64	0.140	0.145	0.140	4.78	1.21	7.6	8.1	6.9	7.3
February	30.021	30.500	29.500	27.5	32.0	31.6	36.4	23.6	30.0	51	10	21	20	21	74	60	65	.120	.115	.121	2.71	1.25	7.1	7.8	6.4	7.1
March	29.929	30.660	28.970	37.5	45.1	42.8	50.7	31.8	41.2	77	14	28	31	29	69	58	59	.169	.189	.176	3.58	1.08	5.9	6.5	4.2	5.3
April	29.870	30.570	29.210	48.2	57.0	54.4	62.4	42.9	52.6	84	14	37	37	38	65	50	56	.238	.237	.241	5.09	2.21	4.5	4.8	5.8	5.2
May	29.843	30.312	29.330	58.2	67.4	64.3	72.9	52.3	62.6	87	33	45	44	47	64	45	56	.317	.302	.343	1.23	.50	4.5	4.6	4.3	4.5
June	29.783	30.090	29.290	72.5	81.3	77.0	83.6	65.9	75.8	99	54	58	57	58	61	43	54	.497	.487	.500	.65	.20	3.1	4.2	5.4	4.5
July	29.886	30.290	29.540	71.4	79.2	75.1	83.3	67.0	75.2	99	62	60	58	60	70	51	62	.532	.492	.556	3.51	1.35	6.0	5.9	6.2	5.8
August	29.871	30.084	29.530	69.6	77.8	74.1	82.0	65.5	73.8	91	55	60	59	62	73	54	67	.539	.531	.570	4.26	1.62	5.6	5.4	5.2	5.3
September	29.963	30.411	29.680	65.9	73.4	69.9	76.9	62.2	69.6	85	50	58	56	57	76	57	66	.502	.483	.496	3.64	1.26	5.7	5.7	3.9	5.3
October	29.997	30.298	29.530	52.8	61.0	58.3	65.1	49.2	57.2	77	40	43	43	44	70	54	62	.292	.293	.310	3.77	2.90	4.5	5.0	3.9	4.5
November	29.963	30.504	29.380	43.4	49.4	47.8	53.1	39.8	46.4	64	31	34	34	35	70	57	62	.204	.205	.212	1.91	.88	5.6	5.8	4.7	5.5
December	29.948	30.720	29.208	41.1	46.2	45.2	50.5	38.6	44.6	65	27	33	32	35	74	60	69	.196	.194	.220	4.06	1.14	6.1	6.4	5.7	6.0
Year	29.922	30.720	28.970	51.7	58.8	56.4	63.3	47.3	55.3	99	10	42	41	43	70	55	62	.312	.306	.322	39.19	2.90	5.5	5.8	5.2	5.5

PHOENIX, ARIZ.

[ϕ=33° 28′ N.; λ=112° 00′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	28.842	29.170	28.555	43.3	65.4	63.5	70.2	40.7	55.4	84	29	34	32	34	69	32	36	0.197	0.188	0.206	0.28	0.15	2.2	3.6	3.8	2.7
February	28.858	29.150	28.520	44.2	63.3	64.6	68.5	42.1	55.3	82	30	37	36	34	77	38	34	.222	.211	.198	.46	.24	2.2	4.1	4.0	3.6
March	28.814	29.215	28.332	47.4	67.7	69.6	72.7	45.1	58.9	84	35	34	28	27	62	26	24	.203	.165	.159	1.06	.56	2.9	2.7	2.7	2.9
April	28.709	28.950	28.299	54.1	75.5	73.6	80.7	52.5	66.6	92	40	40	37	34	60	26	21	.254	.223	.200	.05	.04	3.6	3.0	4.2	3.6
May	28.607	28.810	28.300	62.1	88.8	91.8	94.1	61.2	77.6	104	50	38	35	35	44	16	15	.240	.209	.208	.08	.08	1.6	1.1	1.8	1.6
June	28.590	28.750	28.372	64.5	91.7	97.0	98.3	63.3	80.8	112	54	38	35	34	38	14	11	.228	.205	.196	.00	.00	.3	.4	.4	.3
July	28.675	28.850	28.470	77.7	95.7	99.1	101.8	76.7	89.2	111	71	63	60	59	62	33	29	.582	.524	.504	.77	.44	5.0	4.0	5.0	4.4
August	28.696	28.895	28.519	76.9	93.2	96.7	99.0	75.5	87.2	105	70	64	63	62	66	38	33	.607	.580	.554	.65	.22	4.3	3.7	4.1	3.5
September	28.702	28.894	28.409	68.3	89.1	90.5	94.3	66.1	80.2	105	50	55	52	52	63	29	27	.452	.401	.395	.97	.70	2.0	1.9	2.1	1.6
October	28.709	28.955	28.376	52.8	70.3	76.4	83.8	50.8	67.3	92	42	38	37	40	58	22	28	.229	.222	.252	.22	.22	1.5	2.0	2.1	1.6
November	28.842	29.040	28.600	50.1	67.1	64.2	71.0	47.2	59.1	80	37	43	43	45	78	44	52	.281	.287	.306	2.84	2.40	2.7	4.1	3.9	3.4
December	28.857	29.170	28.560	44.8	58.2	56.1	61.7	42.3	52.0	71	29	39	38	39	81	52	55	.246	.245	.247	2.23	.72	4.9	4.8	4.5	4.6
Year	28.741	29.215	28.299	57.2	77.9	79.0	83.0	55.3	69.1	112	29	44	41	41	63	31	30	.312	.288	.285	9.63	2.40	2.8	3.0	3.2	2.8

PIERRE, S. DAK.

[ϕ=44° 22′ N.; λ=100° 21′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	28.328	28.780	27.750	20.4	25.9	26.9	33.3	16.5	24.9	57	−1	15	19	19	78	74	72	0.091	0.107	0.109	0.14	0.07	5.5	6.1	4.6	6.1
February	28.541	29.291	27.770	11.3	21.4	21.8	29.6	7.8	18.7	56	−14	6	14	14	77	71	70	.062	.093	.091	.04	.02	4.2	4.6	3.5	4.7
March	28.357	29.040	27.660	21.7	32.1	34.3	40.7	18.1	29.4	68	−11	16	22	22	79	65	61	.096	.122	.118	.63	.26	5.8	6.5	5.6	6.4
April	28.259	28.650	27.570	36.7	53.2	55.0	59.3	34.7	47.0	91	17	32	34	33	84	54	49	.190	.204	.194	1.54	.61	3.9	4.9	5.3	4.8
May	28.266	28.846	27.980	50.2	63.9	65.3	69.4	47.6	58.5	86	30	46	48	47	85	58	54	.324	.349	.339	1.43	.62	4.9	5.6	5.1	5.8
June	28.212	28.580	27.780	62.7	73.6	74.7	78.5	58.9	68.7	99	49	58	60	59	86	66	63	.496	.527	.515	5.67	2.82	5.1	5.5	5.2	5.4
July	28.299	28.530	27.950	70.2	83.0	83.1	87.5	66.5	77.0	99	57	64	66	66	81	58	58	.593	.637	.642	2.67	.96	4.2	5.2	4.3	5.0
August	28.352	28.660	27.980	61.4	75.1	77.6	80.5	59.0	69.8	93	44	56	58	57	84	58	52	.465	.498	.483	3.76	2.03	5.6	5.6	4.3	5.4
September	28.311	28.674	27.970	53.6	71.9	70.6	77.6	51.3	64.4	94	35	48	50	49	82	60	50	.347	.368	.360	1.21	.45	3.6	3.9	4.2	3.9
October	28.454	28.890	27.700	40.8	55.2	52.4	59.8	38.8	49.3	78	20	37	40	39	86	68	62	.235	.270	.255	.30	*.33	4.6	4.5	3.8	4.6
November	28.356	28.800	27.902	33.1	48.6	46.4	55.0	30.2	42.6	72	13	27	32	31	78	55	56	.149	.186	.173	.20	.18	4.0	2.9	3.4	3.7
December	28.358	28.980	27.430	20.9	32.8	32.1	41.7	17.7	29.7	59	−15	14	21	20	75	62	61	.064	.115	.113	.24	.23	2.8	4.3	3.5	4.2
Year	28.341	29.291	27.430	40.2	53.1	53.4	59.4	37.3	48.3	99	−15	35	39	38	81	61	59	.261	.290	.283	17.88	2.52	4.5	5.0	4.4	5.0

* Sept. 30–Oct. 1.

Annual meteorological summary for the year ending December 31, 1923—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	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	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	7.8	SE.	27	NW.	0	5	2	9	13	7	4	8	13	1	6	9	16	11	5	9	3	0	3	4	0	27	0	0
February	8.1	NW.	30	W.	0	8	1	1	5	13	2	7	19	0	11	4	13	10	4	12	5	0	2	14	0	28	2	0
March	9.3	NW.	33	NE.	0	9	3	2	6	13	7	8	14	0	17	1	13	12	8	9	7	0	0	5	0	26	3	0
April	8.4	S.	29	SW.	0	6	8	9	2	14	5	10	5	1	12	9	9	12	6	3	1	0	0	0	0	11	6	0
May	7.2	E.	30	NE.	0	4	15	16	8	5	3	3	8	0	11	12	8	9	9	1	1	0	0	0	0	1	5	0
June	4.8	S.	21	SW.	0	5	6	6	7	14	11	2	5	4	20	7	3	8	6	0	0	0	0	0	7	0	13	0
July	3.8	NE.	16	W.	0	5	13	6	5	14	6	4	5	4	22	6	3	6	5	0	0	0	0	0	15	0	6	0
August	3.7	NE.	29	SW.	0	3	11	11	6	9	7	3	6	6	18	5	8	11	7	0	0	0	0	0	8	0	8	0
September	3.9	SE.	15	SW.	0	4	8	7	11	16	3	3	3	5	8	10	12	12	11	0	0	0	1	0	0	0	8	0
October	4.1	NW.	22	NW.	0	10	3	10	6	5	2	6	15	5	18	5	8	8	7	1	0	0	1	0	0	6	0	0
November	5.6	NW.	19	SW.	0	12	4	2	10	6	6	6	9	5	12	8	10	8	7	1	0	0	2	0	0	13	0	0
December	6.9	S.	23	NW.	0	10	5	3	4	16	6	10	7	1	9	7	15	13	8	4	3	0	2	0	0	20	0	0
Year	6.1	S.	33	NE.	0	81	79	82	83	132	62	70	109	32	164	83	118	120	83	40	20	0	11	23	28	132	51	0

PHILADELPHIA, PA.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	11.3	NW.	34	NW.	0	13	12	1	1	3	2	7	23	0	4	9	18	12	10	13	6	0	0	4	0	23	0	0
February	10.7	NW.	34	NW.	0	7	13	3	1	4	5	7	16	0	3	11	14	13	10	7	5	0	0	11	0	22	1	0
March	12.1	NW.	38	NW.	0	8	6	2	2	10	9	3	22	0	13	8	10	9	8	4	3	0	1	1	0	16	0	0
April	12.3	NW.	36	S.	0	9	5	4	0	13	11	4	14	0	13	7	10	11	6	1	1	0	0	0	0	3	2	0
May	10.1	S.	40	SW.	1	8	11	4	2	14	10	8	5	0	13	10	8	7	6	0	0	0	0	0	0	0	0	0
June	9.6	NW.	40	N.	1	11	5	1	5	4	11	9	14	0	12	12	6	6	5	0	0	0	0	0	9	0	9	0
July	8.7	S.	25	SW.	0	5	10	12	5	17	6	1	6	0	9	11	11	12	9	0	0	0	0	0	4	0	10	0
August	8.4	SW.	29	N.	0	3	13	7	0	11	14	9	5	0	11	10	10	10	9	0	0	0	0	0	3	0	7	0
September	7.4	S.	29	NE.	0	8	14	5	6	10	7	8	2	0	9	13	8	9	6	0	0	0	0	0	0	0	5	0
October	10.2	N.	34	NE.	0	19	10	9	0	2	10	7	5	0	14	10	7	8	4	0	0	0	2	0	0	0	0	0
November	9.8	N.	31	N.	0	13	11	10	1	5	7	7	6	0	10	7	13	9	4	0	0	0	1	0	0	2	0	0
December	9.5	W.	37	SW.	0	11	6	9	2	3	5	23	3	0	10	9	12	15	12	2	2	0	0	0	0	4	0	0
Year	10.0	NW.	40	SW.	2	115	116	67	25	96	97	93	121	0	121	117	127	121	89	27	17	0	4	16	16	70	34	0

PHOENIX, ARIZ.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	4.2	E.	26	E.	0	2	3	22	9	6	4	10	5	1	21	4	6	3	2	0	0	0	1	0	0	3	0	0
February	4.9	E.	25	W.	0	1	6	17	4	6	6	7	9	0	15	9	4	4	4	0	0	0	0	0	0	3	0	0
March	5.2	E.	40	NW.	1	4	3	13	11	1	7	19	4	0	21	4	6	5	4	0	0	0	0	0	0	0	2	0
April	6.2	E.	30	SW.	0	5	1	15	3	1	9	15	9	2	17	8	5	3	0	0	0	0	0	0	3	0	3	0
May	5.8	W.	33	N.	0	4	3	19	3	0	7	22	3	1	26	5	0	1	1	0	0	0	0	0	26	0	1	0
June	5.4	W.	23	W.	0	5	8	20	1	1	2	18	5	0	30	0	0	0	0	0	0	0	0	0	28	0	0	0
July	5.5	E.	32	SE.	0	3	3	24	3	2	9	15	2	1	10	17	4	5	4	0	0	0	0	0	31	0	7	0
August	5.1	E.	27	NW.	0	4	5	26	4	1	4	9	9	0	17	9	5	8	5	0	0	0	0	0	30	0	6	0
September	4.7	E.	28	NW.	0	8	3	18	5	2	6	11	7	0	21	9	0	3	2	0	0	0	0	0	21	0	5	0
October	4.6	E.	30	W.	0	2	2	18	11	2	4	12	10	1	24	7	0	2	1	0	0	0	0	0	8	0	2	0
November	4.8	E.	24	E.	0	3	4	23	7	1	5	10	7	0	19	3	8	5	4	0	0	0	0	0	0	0	2	0
December	5.0	E.	31	W.	0	4	7	25	8	2	3	10	3	0	14	8	9	11	9	0	0	1	1	0	0	1	0	0
Year	5.2	E.	40	NW.	1	45	48	240	69	25	66	158	73	6	235	83	47	50	36	0	0	1	2	0	147	7	28	0

PIERRE, S. DAK.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	8.0	NW.	33	NW.	0	6	12	8	9	0	4	8	15	0	8	9	14	5	2	9	4	0	0	14	0	31	0	0
February	10.4	NW.	52	NW.	2	6	2	7	8	1	3	4	24	1	13	5	10	3	0	6	2	0	0	14	0	28	0	0
March	10.6	NW.	46	N.	1	16	3	7	11	2	8	2	13	0	7	8	16	7	6	7	6	0	0	8	0	29	0	0
April	9.6	NW.	42	SE.	1	10	8	4	15	2	8	2	11	0	13	8	9	9	7	4	4	0	0	2	1	12	1	0
May	9.9	E.	44	N.	1	10	7	16	14	2	4	1	8	0	8	8	15	9	7	0	0	0	0	0	0	2	2	0
June	8.8	SE.	46	W.	1	7	6	13	18	2	2	3	7	0	11	6	13	13	11	0	0	0	0	0	3	0	6	0
July	7.6	SE.	42	N.	5	9	9	14	20	1	2	1	6	0	11	13	7	11	9	0	0	0	0	0	12	0	9	0
August	6.3	E.	48	NW.	2	6	12	20	7	1	2	2	11	1	11	9	11	10	10	0	0	0	0	0	3	0	7	0
September	8.6	E.	40	W.	1	8	8	17	8	2	3	2	10	2	17	6	7	8	7	0	0	0	0	0	5	0	4	1
October	8.0	NW.	32	SE.	0	4	3	10	12	4	5	9	14	1	15	5	11	9	4	2	1	0	0	0	0	9	1	0
November	7.5	NW.	44	NW.	1	3	2	10	11	3	7	7	16	1	16	8	6	2	1	0	0	0	0	0	0	19	0	0
December	7.3	NW.	44	NW.	1	4	4	12	5	6	6	6	18	1	17	4	10	2	1	4	2	0	0	4	0	30	0	0
Year	8.6	NW.	52	NW.	16	89	76	138	138	26	54	49	153	7	147	89	129	88	65	32	19	0	0	42	24	160	30	1

Annual meteorological summary for the year ending December 31, 1923—Continued

PITTSBURGH, PA.

[ϕ=40° 32′ N.; λ=80° 02′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.152	29.820	28.620	31.6	34.0	34.4	39.8	27.0	33.4	55	11	26	28	28	81	78	76	0.146	0.154	0.157	3.49	1.06	9.3	8.5	8.9	9.1
February	29.233	29.600	28.670	23.4	28.1	29.0	34.8	20.0	27.4	56	1	19	19	22	81	69	73	.112	.118	.131	2.18	.63	8.2	7.8	7.3	8.2
March	29.122	29.640	28.310	34.2	40.7	40.2	49.1	28.0	38.6	71	11	28	29	27	76	63	60	.161	.176	.155	2.15	.68	6.8	7.3	5.9	7.4
April	29.081	29.748	28.630	44.0	54.1	53.2	60.6	38.9	49.8	80	11	34	35	35	69	51	54	.204	.212	.213	3.82	1.67	5.1	6.0	5.7	5.9
May	29.038	29.383	28.520	55.2	65.5	65.1	71.6	48.6	60.1	86	31	42	41	42	62	46	48	.274	.278	.281	3.34	1.47	4.1	5.0	5.1	5.1
June	29.075	29.320	28.600	67.3	77.6	74.0	81.5	61.7	71.6	92	48	58	59	58	73	54	60	.499	.512	.504	4.28	1.40	3.1	5.5	5.8	5.6
July	29.126	29.420	28.842	68.5	78.8	75.6	82.7	63.9	73.3	91	56	60	59	60	75	53	62	.521	.513	.534	6.74	3.07	5.5	5.9	6.6	6.0
August	29.103	29.302	28.800	65.8	75.3	73.9	79.8	62.3	71.0	90	46	59	60	60	80	60	64	.521	.535	.541	4.24	2.32	5.0	6.3	5.6	6.1
September	29.203	29.588	28.910	61.4	72.0	68.3	75.9	58.9	67.4	87	42	56	59	57	84	64	68	.474	.517	.487	1.62	.53	6.2	4.7	5.3	5.8
October	29.244	29.558	28.630	46.4	57.4	54.2	61.2	43.4	52.3	82	32	41	40	41	81	56	62	.261	.263	.263	1.05	.62	5.9	5.9	4.6	5.7
November	29.173	29.580	28.740	39.1	45.1	44.3	49.9	36.4	43.2	65	29	33	34	34	78	68	70	.192	.202	.204	2.39	.75	7.5	6.3	6.4	6.9
December	29.133	29.820	28.300	40.5	45.7	43.8	50.1	35.9	43.0	66	22	34	36	36	77	70	74	.209	.227	.225	6.22	1.55	7.9	8.6	6.7	8.0
Year	29.140	29.820	28.300	48.1	56.2	54.7	61.4	43.8	52.6	92	1	41	42	42	76	61	64	.298	.308	.308	41.52	3.07	6.2	6.5	6.2	6.6

POCATELLO, IDAHO

[ϕ=42° 52′ N.; λ=112° 29′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	25.471	25.904	25.080	28.9	33.9	32.9	37.7	25.3	31.5	53	1	21	23	23	70	64	66	0.119	0.122	0.120	1.14	0.29	7.2	7.9	8.0	7.6
February	25.591	25.897	24.760	10.9	26.7	28.0	32.0	13.4	22.7	44	−8	12	18	18	81	67	66	.076	.097	.101	.44	.17	4.1	4.0	3.8	4.3
March	25.484	25.870	25.050	27.2	36.2	38.5	42.7	23.3	33.0	63	4	20	21	23	73	54	55	.107	.114	.121	1.33	.56	4.9	5.0	5.9	5.2
April	25.364	25.680	25.040	37.5	48.2	50.6	55.2	34.9	45.0	69	26	30	29	28	74	51	45	.164	.160	.157	2.57	1.08	6.5	6.8	6.7	6.6
May	25.377	25.800	25.005	45.5	61.2	63.1	67.2	43.5	55.4	83	33	34	34	32	67	38	35	.202	.200	.186	1.32	.42	4.6	5.3	7.0	6.0
June	25.384	25.660	25.050	48.6	65.7	69.2	72.9	46.1	59.5	91	36	40	42	38	72	46	36	.247	.270	.233	1.68	.55	4.7	5.2	5.0	5.4
July	25.479	25.690	25.110	61.8	81.6	83.2	87.5	59.5	73.5	97	51	47	48	44	60	32	29	.331	.339	.302	.95	.71	4.0	3.0	4.7	4.4
August	25.496	25.660	25.287	56.6	77.7	81.2	84.6	54.6	69.6	94	47	44	43	37	63	30	22	.288	.280	.226	.60	.33	3.6	2.8	4.6	4.0
September	25.491	25.710	25.174	51.0	69.9	72.8	76.0	49.3	62.6	90	35	36	36	32	58	33	28	.212	.214	.189	.86	.71	3.8	3.8	5.0	4.5
October	25.519	25.840	25.040	37.1	48.6	48.5	55.3	34.8	45.0	70	20	32	36	36	84	65	63	.187	.219	.213	3.03	.95	4.7	5.3	5.3	5.9
November	25.588	25.840	25.130	33.1	45.2	43.6	50.8	29.2	40.0	60	18	28	32	32	80	60	64	.150	.181	.182	.38	.27	3.0	4.2	5.2	4.6
December	25.546	26.110	24.940	22.3	28.1	26.9	33.5	17.8	25.6	47	1	18	20	20	82	70	74	.099	.107	.108	1.15	.58	5.7	6.1	6.0	6.5
Year	25.482	26.110	24.760	38.9	51.9	53.2	58.0	36.0	47.0	97	−8	30	32	30	72	51	49	.181	.192	.178	15.45	1.08	4.7	5.0	5.6	5.4

POINT REYES, CALIF.

[ϕ=38° 11′ N.; λ=122° 51′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.569	29.840	28.970			49.2	52.4	44.4	48.4	64	34			46			89			0.310	1.92	0.72			4.6	5.4
February	29.584	29.830	29.242			50.4	54.1	44.6	49.4	67	35			44			82			.298	.40	.39			3.6	4.7
March	29.563	29.850	29.227			50.9	55.3	45.2	50.2	73	41			45			84			.305	.05	.05			3.3	4.0
April	29.450	29.710	29.200			51.9	54.6	46.6	50.6	73	43			49			90			.346	2.46	.87			3.8	5.8
May	29.440	29.640	29.180			51.0	53.9	46.2	50.0	65	42			48			90			.335	.03	.02			2.3	4.6
June	29.409	29.620	29.160			53.2	55.2	48.0	51.6	58	45			51			92			.372	.18	.12			2.7	5.7
July	29.423	29.580	29.110			56.9	58.9	50.4	54.6	66	46			54			89			.410	.05	.05			1.2	5.9
August	29.436	29.570	29.290			55.8	58.5	51.2	54.8	72	48			55			96			.428	.03	.03			1.5	8.3
September	29.410	29.600	29.110			57.1	62.3	52.4	57.4	87	48			54			92			.426	.82	.42			2.2	6.7
October	29.461	29.600	29.263			56.9	62.3	51.3	56.8	84	46			51			84			.381	.28	.12			3.0	4.8
November	29.518	29.700	29.260			58.5	64.3	53.3	58.8	77	47			50			79			.364	.37	.26			3.0	4.4
December	29.578	30.000	29.280			50.3	54.7	46.2	50.4	64	36			45			84			.303	.73	.38			3.6	3.4
Year	29.487	30.000	28.970			53.5	57.2	48.3	52.8	87	34			49			88			.356	7.32	.87			2.9	5.3

PORT ANGELES, WASH.

[ϕ=48° 07′ N.; λ=123° 06′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.937	30.420	29.210		42.7	41.0	44.2	34.1	39.2	55	19		36.9	36.3		80.8	83.4			0.222	0.218	5.45	0.94		7.7	7.5	8.5
February	30.250	30.650	29.294		40.5	39.7	42.7	31.4	37.0	51	14		35.4	34.4		82.5	81.6			.210	.201	2.76	1.60		6.9	7.2	7.4
March	30.171	30.590	29.730		46.8	47.9	48.8	35.2	42.0	60	27		39.5	37.5		76.8	71.0			.245	.226	1.90	.77		4.6	5.1	5.3
April	29.976	30.420	29.540		52.1	51.9	54.4	39.6	47.0	67	35		43.8	42.3		74.5	71.0			.286	.271	.51	.15		5.9	6.0	5.8
May	30.028	30.330	29.540		54.5	54.4	57.0	42.1	49.6	70	36		45.5	45.3		72.4	72.5			.306	.303	1.27	.42		7.5	8.2	7.5
June	29.958	30.170	29.710		60.5	61.6	63.8	48.2	56.0	82	40		50.3	50.4		69.9	67.9			.366	.367	.79	.24		5.7	6.3	6.0
July	30.023	30.260	29.640		62.4	63.8	66.3	50.8	58.6	81	45		53.5	53.4		73.8	69.5			.410	.409	1.23	.53		4.3	3.9	4.5
August	30.038	30.200	29.824		65.0	66.4	69.3	51.5	60.4	78	42		55.1	54.8		71.1	67.3			.436	.432	1.38	.76		4.1	3.5	4.5
September	30.043	30.320	29.598		62.4	63.8	65.4	46.9	56.2	78	38		51.7	50.5		69.4	64.2			.387	.370	1.47	.93		3.1	2.7	3.4
October	30.017	30.490	29.070		55.9	53.2	57.9	42.9	50.4	72	33		47.1	46.5		73.2	78.9			.327	.320	1.55	.90		5.7	6.0	5.2
November	30.074	30.450	29.370		49.0	46.7	50.4	39.1	44.8	58	33		43.4	42.9		82.3	87.4			.263	.277	1.54	.89		7.5	6.7	8.1
December	29.983	30.550	29.020		42.7	41.7	46.6	35.3	41.0	58	16		37.0	36.8		78.0	83.1			.224	.223	5.45	1.21		8.3	7.8	8.1
Year	30.042	30.650	29.020		53.0	52.7	55.6	41.4	48.5	82	14		44.9	44.3		75.4	74.8			.308	.301	25.30	1.60		5.9	5.9	6.3

Annual meteorological summary for the year ending December 31, 1923—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	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	12.9	W.	43	NW.	2	1	2	6	10	4	7	14	18	0	1	3	27	15	11	17	10	0	2	6	0	27	0	0
February	13.0	NW.	62	W.	1	4	2	4	2	3	13	13	15	0	1	6	21	15	11	17	10	0	4	10	0	22	0	0
March	15.1	NW.	70	W.	7	1	1	3	4	9	14	9	21	0	3	11	17	14	11	11	4	0	2	4	0	22	1	0
April	13.3	SW.	47	NW.	3	3	3	5	4	7	11	15	12	0	7	11	12	10	6	2	1	0	0	0	0	3	3	0
May	11.4	NE.	50	SW.	2	6	16	7	8	2	9	6	8	0	13	7	11	7	7	3	1	0	0	0	0	1	1	0
June	8.5	W.	51	NW.	2	6	3	3	2	3	15	12	14	2	6	15	9	12	10	0	0	0	3	0	6	0	12	0
July	7.9	NW.	53	NW.	3	6	11	10	8	3	5	8	11	0	8	10	13	12	10	0	0	1	0	0	3	0	12	0
August	7.4	NW.	42	NW.	1	7	7	4	3	3	16	7	15	0	6	13	12	12	7	0	0	0	1	0	1	0	11	0
September	7.8	NW.	31	W.	0	7	12	7	8	3	9	4	10	0	8	10	12	8	6	0	0	0	6	0	0	0	4	0
October	9.2	NW.	38	NW.	0	4	8	2	7	1	9	10	20	1	9	9	13	7	6	0	0	0	6	0	0	1	0	0
November	11.0	NW.	40	SE.	1	1	6	5	11	4	10	11	12	0	6	8	16	11	9	3	1	0	5	0	0	6	0	0
December	11.1	SW.	49	SW.	4	2	3	4	11	6	15	13	8	0	3	7	21	16	13	5	3	0	2	1	0	12	1	0
Year	10.7	NW.	70	W.	26	48	74	60	78	48	133	122	164	3	71	110	184	139	107	58	30	1	31	21	10	94	45	0

POCATELLO, IDAHO

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	11.9	SW.	40	SW.	2	6	0	0	16	9	23	4	4	0	4	7	20	12	9	15	9	0	0	9	0	25	0	0
February	8.7	SE.	36	S.	0	2	0	0	26	14	4	4	6	0	12	11	5	6	4	7	6	0	1	13	0	28	0	0
March	10.9	SE.	40	SW.	1	2	2	4	21	8	17	5	3	0	10	10	11	11	7	15	10	0	0	5	0	26	1	0
April	8.5	SE.	36	SW.	0	2	1	1	19	10	15	7	5	0	6	10	14	16	14	12	7	0	0	0	0	7	4	0
May	8.3	SW.	36	S.	0	2	0	2	14	8	21	9	6	0	9	8	14	10	8	0	0	1	0	0	0	0	5	0
June	7.1	SE.	36	S.	0	1	0	1	26	7	12	9	4	0	8	13	9	10	7	0	0	1	0	0	2	0	7	0
July	7.0	SE.	40	S.	1	6	1	3	21	13	6	5	6	1	15	9	7	6	5	0	0	1	0	0	10	0	8	0
August	6.8	SE.	40	SW.	1	2	1	1	25	6	10	10	7	0	15	12	4	6	4	0	0	0	0	0	3	0	9	0
September	8.5	SE.	38	SW.	0	2	2	0	18	10	7	9	11	1	15	6	9	3	3	0	0	0	0	0	1	0	1	0
October	6.9	SE.	36	SW.	0	2	1	3	17	9	15	10	4	1	9	9	13	11	10	3	1	1	0	0	0	12	3	0
November	7.1	SE.	28	SW.	0	0	1	5	18	9	14	9	1	3	13	9	8	4	2	3	2	0	1	0	0	23	0	0
December	9.6	SE.	40	SW.	1	1	1	0	17	11	11	12	9	0	7	9	15	7	5	12	4	0	0	17	0	28	0	0
Year	8.4	SE.	40	SW.	6	28	10	20	238	114	155	93	66	6	123	113	129	102	78	67	39	4	2	44	16	149	38	0

POINT REYES, CALIF.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	18.7	NW.	66	S.	12	5	2	0	0	5	3	1	15	0	9	13	9	12	10	0	0	2	5	0	0	0	0	0
February	16.4	NW.	65	NW.	7	10	0	0	0	2	4	0	12	0	12	9	7	3	2	0	0	0	8	0	0	0	0	0
March	24.3	NW.	76	NW.	16	5	0	0	0	4	1	0	21	0	17	7	7	2	1	0	0	0	6	0	0	0	0	0
April	23.4	NW.	68	NW.	12	3	0	0	0	6	5	1	15	0	9	7	14	10	7	0	0	0	12	0	0	0	0	0
May	21.1	NW.	65	NW.	23	3	0	0	0	0	0	1	27	0	12	9	10	2	0	0	0	0	13	0	0	0	0	0
June	25.1	NW.	66	NW.	14	0	0	0	0	1	1	2	26	0	9	8	13	3	1	0	0	0	16	0	0	0	0	0
July	23.4	NW.	66	NW.	12	2	0	0	0	1	3	0	25	0	8	13	10	1	1	0	0	0	17	0	0	0	0	0
August	25.9	NW.	60	NW.	15	4	0	0	0	5	1	0	21	0	2	7	22	1	0	0	0	0	29	0	0	0	2	0
September	16.6	NW.	48	N.	4	9	0	0	1	6	1	2	11	0	8	4	18	3	3	0	0	0	19	0	0	0	0	0
October	18.3	NW.	62	NW.	8	10	0	0	0	1	1	1	18	0	11	11	9	6	3	0	0	0	15	0	0	0	0	0
November	15.2	N.	58	NW.	2	8	0	1	0	7	3	0	11	0	12	10	8	5	3	0	0	0	10	0	0	0	1	0
December	19.6	NW.	73	NW.	12	4	0	0	1	6	0	0	20	0	18	8	5	8	4	0	0	2	5	0	0	0	0	0
Year	21.5	NW.	76	NW.	137	63	2	1	2	44	23	8	222	0	127	106	132	56	35	0	0	4	155	0	0	0	3	0

PORT ANGELES, WASH.

[H_b=29 ft.; h_t=8 ft.; h_r=3 ft.; h_a=53 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	6.4	S.	32	SW.	0	0	2	4	13	4	8	0	0	0	1	7	23	20	16	4	3	0	0	0	0	10	0	0
February	6.6	S.	40	NE.	1	2	7	3	7	2	6	1	0	0	6	3	19	10	8	3	3	0	1	2	0	14	0	0
March	7.3	S.	46	W.	2	1	6	9	0	0	4	11	0	0	13	8	10	12	9	2	2	3	0	0	0	5	0	0
April	6.4	SW.	28	SW.	0	1	1	6	1	1	2	12	6	0	10	7	13	7	5	0	0	0	1	0	0	0	0	0
May	6.8	NW.	26	W.	0	1	1	3	1	0	2	11	12	0	2	11	18	10	8	0	0	0	0	0	0	0	0	0
June	6.9	SW.	27	W.	0	2	0	2	0	2	2	12	10	0	7	11	12	7	4	0	0	0	0	0	0	0	0	0
July	7.0	SW.	21	W.	0	1	1	0	0	1	3	20	5	0	16	4	11	5	4	0	0	0	0	0	0	0	0	0
August	6.5	SW.	22	W.	0	0	3	1	0	0	0	20	7	0	12	14	5	4	4	0	0	0	1	0	0	0	1	0
September	5.3	S.	24	W.	0	2	1	11	2	0	3	10	1	0	19	4	7	6	4	0	0	0	0	0	0	0	0	0
October	5.2	S.	26	W.	0	0	1	11	2	4	5	7	0	1	10	5	16	9	7	0	0	0	0	0	0	0	0	0
November	5.0	S.	29	W.	0	1	1	7	9	6	4	2	0	0	2	7	21	13	7	0	0	0	7	0	0	0	0	0
December	7.0	S.	38	SW.	0	2	2	2	5	8	10	2	0	0	1	8	22	18	14	2	1	0	0	1	0	5	0	0
Year	6.4	W.	46	W.	3	13	26	59	40	28	49	108	41	1	99	89	177	121	90	11	9	3	10	3	0	34	1	0

Annual meteorological summary for the year ending December 31, 1923—Continued

PORT ARTHUR, TEX.

[ϕ=29° 52′ N.; λ=93° 55′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	30.073	30.590	29.801	56.0	64.8	60.7	67.6	53.6	60.6	75	38	52	52	55	88	67	82	0.418	0.430	0.457	3.20	2.51	4.3	4.0	3.9	4.4
February	30.133	30.570	29.710	52.0	57.5	56.7	61.8	49.1	55.4	80	28	47	46	48	85	69	76	.363	.359	.373	6.21	3.81	7.7	7.0	6.9	7.4
March	30.022	30.390	29.490	55.7	62.7	59.2	65.5	52.1	58.8	81	28	50	49	51	82	64	76	.400	.390	.408	5.97	2.66	5.4	5.6	5.1	5.7
April	29.912	30.340	29.620	65.7	72.0	70.2	75.0	64.2	69.6	84	46	60	60	63	84	68	78	.545	.537	.580	4.42	1.94	6.2	5.1	5.9	5.9
May	29.810	30.200	29.510	71.5	78.7	76.9	81.5	68.5	75.0	88	58	66	64	66	82	62	70	.649	.615	.651	6.86	5.38	2.9	2.6	2.5	3.0
June	29.899	30.040	29.750	79.1	84.0	81.8	86.6	75.5	81.0	90	68	73	71	72	81	55	73	.805	.756	.785	2.81	.90	3.9	3.5	3.3	3.5
July	29.950	30.120	29.790	77.6	84.3	81.7	87.6	74.6	81.1	96	68	74	71	73	87	66	76	.825	.764	.820	4.90	1.80	5.0	5.1	4.5	4.9
August	29.950	30.130	29.790	77.7	86.5	82.8	89.4	75.4	82.4	94	65	73	72	73	87	62	74	.824	.782	.824	9.71	6.74	4.4	4.3	4.1	4.8
September	29.956	30.120	29.840	74.7	81.9	79.0	85.7	72.2	79.0	90	63	71	69	71	87	67	74	.757	.719	.760	6.66	3.11	4.0	4.4	4.5	4.5
October	29.987	30.350	29.334	63.2	73.4	70.1	75.9	61.4	68.6	91	44	57	57	60	82	59	70	.500	.512	.543	1.72	1.28	4.5	3.5	4.1	4.4
November	30.076	30.390	29.720	53.0	62.7	58.8	65.1	51.0	58.0	79	40	48	49	50	85	62	75	.354	.353	.380	3.52	1.90	5.7	5.3	4.1	6.2
December	30.050	30.530	29.700	56.0	60.7	59.2	64.4	53.4	58.9	74	33	53	53	54	89	78	86	.433	.440	.453	9.59	3.68	7.4	8.1	7.6	8.1
Year	29.985	30.590	29.334	65.2	72.4	69.8	75.5	62.6	69.0	96	28	60	59	61	85	66	76	.573	.555	.586	65.51	6.74	5.2	4.9	4.7	5.2

PORT HURON, MICH.

[ϕ=43° 00′ N.; λ=82° 26′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.333	30.020	28.790	28.3	26.9	25.4	30.5	17.7	24.1	43	1	20	22	21	88	81	83	0.111	0.120	0.116	1.54	0.42	7.9	8.0	7.9	8.3
February	29.418	29.831	28.890	15.5	21.3	20.4	26.2	11.5	18.8	42	−4	13	15	16	87	74	82	.080	.090	.097	1.14	.33	6.7	5.9	7.8	6.3
March	29.284	29.830	28.400	25.3	31.3	28.8	37.0	20.5	28.8	55	5	21	22	21	82	68	72	.122	.127	.122	2.01	.74	5.9	6.8	5.9	6.1
April	29.253	29.880	28.600	37.7	46.3	43.3	51.5	33.0	42.2	79	9	30	32	32	74	60	66	.172	.184	.192	1.70	.63	5.3	5.8	4.8	5.2
May	29.267	29.700	28.630	49.0	55.1	50.3	59.6	41.9	50.8	72	24	38	39	38	68	57	64	.237	.249	.230	4.14	1.11	3.2	4.0	3.9	3.5
June	29.256	29.540	28.820	65.9	75.2	69.9	79.0	57.8	68.4	96	46	56	56	57	71	54	65	.468	.476	.485	2.23	.49	3.3	4.1	4.4	3.9
July	29.331	29.610	29.052	67.4	76.0	71.5	78.5	61.2	69.8	93	53	58	56	58	75	53	65	.496	.468	.494	1.48	.40	2.8	3.7	4.5	3.8
August	29.291	29.500	28.900	62.9	73.4	68.7	76.9	56.9	66.9	88	42	55	54	54	77	53	60	.447	.429	.425	.99	.23	4.5	5.1	4.6	4.9
September	29.392	29.790	29.060	58.6	66.5	62.1	68.9	54.3	61.6	85	34	54	53	55	85	65	76	.433	.429	.451	3.87	2.41	4.9	6.2	5.3	6.6
October	29.436	29.790	28.630	44.1	54.9	50.4	57.9	40.5	49.2	76	23	38	38	40	82	55	68	.242	.239	.252	2.07	.96	4.8	5.4	4.7	5.4
November	29.349	29.800	28.810	36.3	42.1	39.8	44.7	32.8	38.8	58	21	33	34	33	87	74	76	.191	.198	.189	1.60	.38	5.1	6.6	7.7	6.8
December	29.299	29.880	28.500	33.8	38.0	36.7	41.6	30.7	36.2	53	17	31	32	31	87	79	79	.174	.181	.176	3.01	.78	7.3	7.0	7.5	7.3
Year	29.326	30.020	28.400	43.3	50.6	47.3	54.4	38.2	46.3	96	−4	37	38	38	80	64	71	.264	.266	.269	25.78	2.41	5.1	5.7	5.8	5.6

PORTLAND, ME.

[ϕ=43° 39′ N.; λ=70° 15′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.922	30.660	29.220	16.9	22.2	20.9	27.1	11.5	19.3	46	−3	12	12	14	78	66	72	0.083	0.083	0.087	8.55	1.80	6.0	6.2	5.9	6.4
February	29.952	30.540	29.310	11.5	20.5	19.1	25.0	8.8	16.9	37	−8	6	8	9	78	56	63	.061	.065	.071	1.87	.77	5.6	5.7	4.0	5.5
March	29.847	30.610	28.861	23.8	29.6	28.9	34.9	18.1	26.5	63	−3	17	19	19	73	64	66	.102	.110	.113	3.96	1.64	5.6	5.3	4.9	5.6
April	29.816	30.480	29.010	39.4	46.4	42.3	50.7	33.3	42.0	82	9	29	29	32	67	54	68	.173	.171	.189	4.98	1.56	4.9	5.7	4.9	5.3
May	29.838	30.200	29.410	51.9	57.2	53.0	61.5	45.1	53.3	84	35	40	40	41	68	57	69	.256	.256	.264	1.97	1.07	4.5	4.8	4.3	5.0
June	29.716	30.100	29.070	63.1	69.7	64.6	73.5	55.4	64.4	96	45	50	49	52	66	52	66	.381	.365	.395	2.89	1.03	3.8	4.5	4.8	5.1
July	29.888	30.324	29.580	65.9	70.4	65.8	74.0	58.3	66.2	89	53	55	54	55	69	60	71	.436	.425	.440	2.92	1.14	5.4	4.8	5.7	5.3
August	29.856	30.140	29.270	62.5	68.9	62.9	71.9	56.3	64.1	86	48	53	53	55	74	60	76	.421	.418	.437	3.18	1.34	4.0	3.8	3.9	4.2
September	30.007	30.310	29.630	58.9	64.4	59.0	67.0	52.6	60.3	80	44	52	53	52	79	68	80	.399	.414	.401	.83	.24	4.7	4.3	3.9	5.3
October	29.976	30.336	29.400	47.6	58.5	51.7	59.8	43.5	51.6	71	31	40	42	43	77	63	74	.260	.276	.286	3.20	1.27	3.6	4.6	3.4	4.5
November	29.956	30.510	29.150	37.6	44.4	41.5	47.6	33.4	40.5	60	22	30	34	32	75	66	71	.176	.198	.191	2.68	1.04	5.8	4.7	4.4	5.1
December	29.904	30.699	29.100	31.8	37.2	34.4	40.3	27.9	34.1	56	10	26	27	26	78	67	72	.148	.158	.156	3.58	1.02	7.4	5.8	4.6	6.2
Year	29.890	30.699	28.861	42.6	48.9	45.3	52.8	37.1	44.9	96	−8	34	35	36	74	61	71	.242	.245	.253	40.61	1.80	5.1	5.0	4.6	5.3

PORTLAND, OREG.

[ϕ=45° 32′ N.; λ=122° 41′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.867	30.220	29.300	41.4	44.1	44.8	46.9	38.8	42.8	56	26	38	41	41	89	88	87	0.237	0.261	0.264	9.57	1.48	9.0	9.2	8.0	8.8
February	30.115	30.490	28.880	33.7	38.7	41.4	43.2	31.6	37.4	62	14	30	32	34	87	78	76	.175	.188	.206	1.81	.56	6.8	7.4	6.3	7.2
March	30.061	30.410	29.610	41.1	50.0	53.5	55.5	38.9	47.2	82	27	36	40	40	84	71	65	.217	.253	.257	1.83	.31	6.3	6.9	5.7	6.4
April	29.835	30.270	29.410	46.7	57.7	61.4	63.5	45.0	54.2	85	39	41	43	42	82	60	54	.261	.280	.273	1.90	.49	7.1	7.0	7.6	7.1
May	29.880	30.110	29.590	50.4	60.6	64.2	66.1	49.1	57.6	85	40	43	44	44	82	56	50	.301	.292	.290	1.48	.38	8.0	7.6	7.4	7.7
June	29.790	30.030	29.570	54.5	65.8	69.3	71.7	53.3	62.5	94	48	50	50	51	86	57	54	.364	.359	.374	1.19	.39	6.8	6.4	5.5	6.5
July	29.858	30.130	29.620	59.1	70.3	76.4	77.5	58.1	67.8	93	52	54	54	54	83	57	49	.418	.417	.426	2.17	1.32	6.3	5.5	3.5	5.0
August	29.858	30.040	29.559	60.6	74.3	80.5	81.5	59.6	70.6	95	53	55	55	55	83	52	43	.439	.436	.436	.26	.23	4.5	3.9	3.9	4.5
September	29.865	30.150	29.550	55.8	68.7	73.1	74.7	54.3	64.5	95	45	52	51	52	86	57	50	.387	.384	.388	.59	.36	3.8	3.2	3.4	4.2
October	29.886	30.290	29.230	51.5	61.4	62.2	64.8	49.4	57.1	86	30	45	45	46	80	58	57	.309	.312	.317	1.61	.56	5.2	5.9	6.5	6.0
November	29.978	30.310	29.500	45.6	53.9	54.2	57.3	43.5	50.4	67	32	42	43	43	88	70	69	.268	.283	.283	4.15	1.78	5.3	6.1	6.1	5.8
December	29.965	30.510	29.210	39.9	42.9	42.6	46.3	36.7	41.5	55	17	37	38	38	90	85	85	.225	.237	.237	6.25	2.46	7.6	9.2	9.2	9.3
Year	29.913	30.510	28.880	48.4	57.4	60.3	62.4	46.5	54.5	95	14	44	45	45	85	66	62	.300	.308	.313	32.81	2.46	6.4	6.5	6.0	6.6

Annual meteorological summary for the year ending December 31, 1923—Continued

PORT ARTHUR, TEX.

[H_b=34 ft.; h_b=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	Days with 40 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T, or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorms	Auroras
	Miles		*Mi.*																									
January	9.5	SE.	28	N.	0	11	3	6	15	19	4	1	3	0	14	7	10	8	5	0	0	0	4	0	0	0	3	0
February	11.0	NE.	38	NE.	0	11	13	5	6	11	4	1	5	0	5	6	17	7	7	0	0	0	2	1	0	3	4	0
March	11.5	SE.	38	SW.	0	12	9	7	16	6	5	0	7	0	10	8	13	11	9	0	0	0	2	0	0	2	5	0
April	10.8	SE.	38	NW.	0	7	9	8	17	10	5	2	2	0	10	4	16	9	6	0	0	0	0	0	0	0	6	0
May	10.6	S.	35	N.	0	13	2	5	11	18	5	2	6	0	23	3	5	8	6	0	0	0	0	0	0	0	6	0
June	8.5	SE.	28	E.	0	4	5	7	12	27	2	1	0	1	17	12	1	10	10	0	0	0	0	0	1	0	8	0
July	8.8	SW.	30	NE.	0	4	7	4	9	7	19	7	3	2	12	13	6	16	14	0	0	0	0	0	10	0	19	0
August	7.6	S.	32	NE.	0	10	3	3	6	18	15	6	1	0	10	16	5	10	9	0	0	0	0	0	13	0	13	0
September	6.7	E.	25	SE.	0	15	9	7	12	11	3	6	2	1	14	7	9	11	11	0	0	0	0	0	3	0	10	0
October	9.5	E.	29	NW.	0	17	18	14	3	2	1	1	5	1	15	6	10	4	4	0	0	0	0	0	2	0	5	0
November	8.2	NW.	27	NE.	0	8	12	9	6	8	3	5	9	0	7	11	12	7	4	0	0	0	2	0	0	0	1	0
December	9.7	S.	33	NW.	0	14	4	8	9	12	4	1	10	0	4	3	24	10	8	0	0	0	4	0	0	0	3	0
Year	9.4	S.	38	SW.	0	126	94	83	122	149	71	27	53	5	141	96	128	111	93	0	0	0	14	1	29	5	83	0

PORT HURON, MICH.

[H_b=638 ft.; h_t=70 ft.; h_r=63 ft.; h_a=120 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T, or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	12.4	NW.	43	NW.	2	4	3	6	8	8	4	11	18	0	1	8	22	14	11	22	13	1	0	20	0	31	0	0
February	12.5	NW.	54	NW.	1	4	3	4	3	7	7	14	14	0	3	15	10	15	9	21	12	0	0	18	0	28	0	0
March	15.0	NW.	46	W.	5	1	6	2	7	10	7	7	22	0	7	12	12	14	11	19	9	0	0	11	0	28	0	0
April	13.5	SW.	48	W.	1	8	10	3	2	8	12	7	10	0	10	9	11	11	8	6	3	0	0	1	0	19	0	0
May	10.6	NE.	46	NW.	1	12	22	5	4	6	1	4	7	1	17	9	5	7	6	2	2	0	0	0	0	3	1	1
June	8.9	SW.	40	NW.	1	16	5	1	1	7	13	5	12	0	11	17	2	10	8	0	0	0	0	0	5	0	9	0
July	7.9	NE.	29	N.	0	9	22	5	4	8	6	6	2	0	14	13	4	10	9	0	0	0	0	0	1	0	7	0
August	9.7	NE.	39	W.	0	6	14	4	5	7	11	6	9	0	6	22	3	11	8	0	0	0	0	0	0	0	6	0
September	8.9	NE.	33	W.	0	5	16	2	8	3	12	3	11	0	5	15	10	10	8	0	0	0	1	0	0	0	4	0
October	10.7	NW.	35	W.	0	5	6	4	7	6	9	7	18	0	9	13	9	8	6	2	0	0	1	0	0	2	0	0
November	11.2	NW.	36	N.	0	4	2	7	3	9	15	6	14	0	7	6	17	9	7	3	0	0	4	0	0	11	0	0
December	12.5	SW.	47	W.	1	6	9	4	5	5	15	7	11	0	4	8	19	12	12	7	4	0	2	1	0	19	0	0
Year	11.2	NW.	54	NW.	12	80	118	47	57	84	112	83	148	1	94	147	124	131	103	82	43	1	8	51	6	141	27	1

PORTLAND, ME.

[H_b=103 ft.; h_t=82 ft.; h_r=75 ft.; h_a=117 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T, or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	11.0	NW.	38	NW.	0	18	4	1	0	3	5	8	23	0	8	7	16	17	16	17	14	0	1	24	0	30	0	0
February	8.1	NW.	36	NW.	0	9	1	1	0	4	6	14	20	1	9	7	12	10	8	11	10	0	0	21	0	28	0	0
March	9.8	W.	42	NW.	1	6	4	1	2	14	10	8	14	3	11	7	13	14	11	14	11	0	1	11	0	28	0	0
April	11.3	S.	50	SE.	1	12	5	2	3	9	14	6	8	1	10	11	9	16	11	5	4	0	1	1	0	12	1	0
May	8.8	S.	36	SE.	0	11	6	3	6	12	8	4	8	4	12	11	8	13	7	0	0	0	4	0	0	0	0	0
June	8.6	W.	35	N.	0	6	5	4	3	5	15	11	9	2	11	11	8	8	7	0	0	0	4	0	3	0	4	0
July	7.4	S.	25	NW.	0	12	6	0	8	10	7	6	10	3	13	7	11	9	6	0	0	0	1	0	0	0	1	0
August	8.4	S.	33	NW.	0	6	3	2	6	18	6	7	14	0	15	10	6	12	9	0	0	1	10	0	0	0	6	0
September	7.2	S.	24	NW.	0	9	1	7	8	11	6	8	9	1	11	10	9	11	8	0	0	0	7	0	0	0	2	0
October	9.0	S.	36	NW.	0	13	3	2	1	7	14	13	9	0	14	9	8	11	11	0	0	0	7	0	0	1	2	0
November	8.6	N.	40	SE.	1	14	1	2	5	5	13	5	15	0	13	6	11	8	8	1	1	0	3	0	0	13	0	0
December	8.9	NW.	36	SE.	0	9	1	2	2	5	12	7	22	2	10	5	16	14	11	8	6	0	1	5	0	19	0	0
Year	8.9	NW.	50	SE.	3	125	40	27	44	103	116	97	161	17	137	101	127	143	113	56	40	1	40	62	3	131	16	0

PORTLAND, OREG.

[H_b=153 ft.; h_t=68 ft.; h_r=63 ft.; h_a=106 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T, or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	7.8	SW.	31	SW.	0	3	1	3	10	17	14	2	12	0	2	2	27	23	21	3	2	1	3	0	0	6	0	0
February	5.4	NW.	27	NW.	0	6	5	10	14	4	3	3	11	0	7	4	17	12	8	7	6	0	3	2	0	12	0	0
March	6.3	NW.	28	SW.	0	7	0	1	5	10	12	8	19	0	8	6	17	18	11	1	1	0	2	0	0	2	0	0
April	5.7	NW.	24	SW.	0	8	2	3	2	11	12	6	16	0	5	8	17	13	7	0	0	1	2	0	0	0	0	0
May	5.3	NW.	30	SW.	0	10	3	1	3	12	10	7	16	0	3	7	21	16	8	7	0	1	0	0	0	0	0	0
June	5.1	NW.	21	W.	0	12	4	4	7	2	6	6	19	0	6	10	14	10	8	0	0	0	0	0	1	0	3	0
July	5.4	NW.	16	N.	0	13	2	1	5	8	6	5	22	0	12	7	12	5	4	0	0	0	0	0	2	0	0	0
August	4.7	NW.	17	NW.	0	7	1	3	7	5	4	3	32	0	14	11	6	2	1	0	0	0	0	0	3	0	1	0
September	4.9	NW.	19	E.	0	8	1	2	1	10	7	1	28	2	14	8	8	4	3	0	0	0	4	0	1	0	0	0
October	5.2	NW.	29	SW.	0	7	4	8	8	9	7	5	11	3	9	6	16	10	8	0	0	0	2	0	0	0	0	0
November	4.9	SE.	26	W	0	3	3	7	13	5	8	3	17	1	8	4	18	14	9	0	0	0	5	0	0	0	0	0
December	6.7	SE.	30	W.	0	0	1	11	18	10	14	3	5	0	2	0	29	19	16	3	1	0	7	1	0	3	1	0
Year	5.6	NW.	31	SW.	0	84	27	54	93	103	103	52	208	6	90	73	202	146	104	14	10	3	28	3	7	23	5	0

Annual meteorological summary for the year ending December 31, 1923—Continued

PROVIDENCE, R. I.

[ϕ=41° 50′ N.; λ=71° 25′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.854	30.600	29.210	24.1	28.8	26.9	33.2	18.4	25.8	52	5	16	20	19	72	67	72	0.104	0.115	0.111	6.55	1.71	7.0	6.7	5.1	6.2
February	29.900	30.460	29.360	20.1	26.5	23.9	29.6	15.8	22.7	42	2	13	14	14	72	58	65	.087	.090	.087	1.97	.45	6.2	5.6	4.2	5.8
March	29.815	30.547	28.712	31.1	36.5	34.0	41.6	24.6	33.1	69	4	22	23	24	67	59	66	.130	.141	.143	3.14	.77	6.0	4.8	3.7	5.1
April	29.773	30.460	29.090	44.5	52.9	46.9	56.9	37.3	47.1	86	11	33	34	36	65	51	67	.202	.213	.221	4.75	2.04	5.0	5.3	5.5	5.4
May	29.781	30.115	29.300	56.1	63.6	56.7	67.5	47.6	57.6	88	34	43	42	44	63	49	65	.235	.278	.298	1.19	.60	4.1	4.6	4.2	4.5
June	29.684	30.060	29.140	67.6	74.5	68.0	78.2	58.6	68.4	95	46	56	56	57	67	55	60	.459	.470	.474	4.31	1.11	5.0	5.5	7.0	5.8
July	29.834	30.240	29.460	68.4	74.1	69.0	77.8	60.3	69.0	93	52	58	58	59	72	59	71	.498	.484	.501	3.09	1.25	5.5	6.9	6.6	6.6
August	29.808	30.050	29.340	66.9	74.2	68.0	77.6	58.7	68.2	90	50	56	58	58	70	58	72	.472	.504	.505	1.48	.83	4.4	4.8	3.0	3.9
September	29.941	30.260	29.570	61.3	69.8	62.8	72.2	55.1	63.6	81	44	55	59	56	80	63	79	.448	.466	.461	1.52	.81	6.5	5.5	3.8	5.4
October	29.917	30.300	29.230	51.1	59.5	53.0	62.1	44.6	53.4	72	33	45	46	46	79	64	77	.307	.326	.315	4.09	2.10	4.8	4.0	2.8	4.8
November	29.887	30.440	29.140	39.9	47.4	43.8	49.7	35.3	42.5	64	25	34	36	38	79	66	79	.203	.220	.230	3.62	2.27	4.8	5.2	4.7	5.3
December	29.856	30.634	28.950	36.7	42.5	39.3	45.4	32.5	39.0	60	18	30	33	32	78	68	75	.179	.194	.192	5.13	2.68	5.6	6.3	4.0	5.9
Year	29.838	30.634	28.712	47.3	54.2	49.4	57.6	40.7	49.2	95	2	38	40	40	72	60	71	.281	.292	.296	40.84	2.68	5.4	5.4	4.6	5.4

PUEBLO, COLO.

[ϕ=38° 18′ N.; λ=104° 36′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	25.234	25.710	24.830	30.0	48.2	46.9	54.4	23.6	39.0	70	8	13	17	15	53	31	27	0.076	0.094	0.083	T.	T.	3.0	4.1	2.0	3.5
February	25.351	25.761	24.790	19.8	36.9	37.3	44.0	15.2	29.6	68	−6	14	20	19	76	52	49	.082	.103	.100	0.76	0.30	3.3	4.8	4.7	4.9
March	25.226	25.630	24.682	27.8	45.7	45.0	51.5	22.5	37.0	69	6	18	20	20	68	40	43	.099	.107	.108	.67	.24	4.2	5.3	5.3	5.5
April	25.162	25.500	24.720	38.7	59.6	60.5	65.4	36.6	51.0	78	29	28	25	26	64	30	30	.151	.141	.145	.54	.24	5.4	5.3	5.8	5.2
May	25.204	25.760	24.905	48.0	65.6	66.7	71.2	45.7	58.4	88	37	39	37	37	72	40	38	.247	.234	.232	.68	.34	4.9	5.7	5.6	5.2
June	25.217	25.510	24.960	58.1	78.3	78.3	83.1	55.9	69.5	97	49	45	41	42	64	32	33	.306	.272	.281	.91	.41	3.1	3.9	4.9	3.9
July	25.355	25.560	25.160	63.5	83.6	80.5	88.1	62.0	75.0	96	55	56	54	54	77	38	43	.452	.423	.422	4.05	1.35	4.5	3.8	7.2	4.7
August	25.365	25.570	25.179	60.3	78.3	74.9	82.5	56.2	70.8	93	53	55	54	55	84	45	53	.439	.415	.436	4.65	1.13	4.9	4.8	7.3	5.6
September	25.339	25.570	25.000	51.9	72.0	70.4	76.0	50.0	63.0	89	35	43	42	44	73	38	43	.281	.284	.303	1.36	.84	3.5	3.0	4.8	3.8
October	25.351	25.670	24.850	40.0	52.3	51.5	57.5	37.7	47.6	80	25	35	35	36	82	57	59	.213	.216	.222	2.75	1.13	5.2	5.8	4.8	5.6
November	25.354	25.750	24.930	30.1	51.8	47.8	56.1	26.5	41.3	73	7	22	25	27	73	40	47	.115	.135	.145	.66	.66	3.6	3.6	3.0	3.5
December	25.281	25.870	24.670	26.8	39.2	34.9	44.0	20.4	32.2	70	−14	19	23	23	74	54	63	.103	.121	.127	.35	.24	4.1	4.9	3.8	5.1
Year	25.287	25.870	24.670	41.2	59.3	57.9	64.5	37.9	51.2	97	−14	32	33	35	72	41	44	.214	.212	.217	17.38	1.35	4.1	4.6	4.9	4.7

RALEIGH, N. C.

[ϕ=35° 45′ N.; λ=78° 37′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.717	30.270	29.190	39.1	48.0	45.9	52.5	35.4	44.0	71	24	34	37	37	83	70	73	0.208	0.236	0.227	3.11	1.06	6.0	6.2	4.7	6.3
February	29.756	30.100	29.320	35.9	43.9	43.2	49.4	32.2	40.8	70	18	29	32	32	76	65	66	.186	.210	.208	4.78	1.94	5.7	6.3	6.3	6.1
March	29.680	30.199	28.870	46.2	56.8	54.5	62.4	40.9	51.6	80	22	38	42	42	74	58	63	.254	.290	.285	3.67	1.25	5.1	5.3	4.9	5.0
April	29.615	30.240	29.130	52.4	64.1	62.0	69.3	47.6	58.4	85	23	44	43	45	73	50	58	.306	.303	.323	5.32	1.70	4.5	5.5	3.9	4.6
May	29.558	29.810	29.220	62.5	72.6	69.5	76.8	57.1	67.0	86	41	53	51	53	71	49	59	.414	.402	.427	1.09	.58	5.7	5.7	5.7	5.6
June	29.577	29.840	29.070	72.3	82.8	79.3	87.2	66.8	77.0	95	58	62	60	62	71	49	57	.573	.538	.570	1.37	.76	4.7	5.2	5.7	5.0
July	29.669	29.910	29.320	73.1	83.0	78.1	86.6	68.1	77.4	95	62	66	66	66	79	58	69	.649	.653	.649	6.62	1.86	5.2	6.8	7.1	6.4
August	29.609	29.770	29.430	72.4	82.2	77.0	85.3	68.4	77.4	96	56	58	67	69	87	62	79	.694	.674	.726	3.88	1.49	6.4	6.2	6.8	6.6
September	29.693	30.100	29.410	66.9	77.6	73.0	81.6	64.1	72.8	91	52	64	63	65	90	62	76	.694	.594	.624	6.35	2.85	7.1	5.6	4.9	6.4
October	29.710	30.020	29.220	53.2	65.5	61.7	70.1	49.9	60.0	80	41	47	46	49	81	51	64	.334	.323	.358	1.03	.48	4.4	4.2	2.9	4.0
November	29.688	30.140	29.340	43.4	54.5	50.9	58.8	40.8	49.8	71	30	38	37	39	78	55	65	.237	.240	.247	1.88	.68	4.9	5.6	4.8	5.2
December	29.719	30.380	29.101	44.6	54.6	52.7	60.3	41.6	51.0	72	25	40	43	43	85	68	72	.270	.304	.302	1.71	.57	5.5	5.9	4.3	5.6
Year	29.661	30.380	28.870	55.2	65.5	62.3	70.1	51.1	60.6	96	18	49	49	50	79	58	67	.394	.397	.412	40.81	2.85	5.4	5.7	5.2	5.6

RAPID CITY, S. DAK.

[ϕ=44° 04′ N.; λ=103° 12′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	26.524	26.950	26.057	27.0	35.6	31.7	40.6	18.5	29.6	62	0	16	19	17	65	53	56	0.090	0.102	0.094	0.37	0.29	5.2	5.7	3.7	5.6
February	26.711	27.264	26.057	15.1	27.5	25.5	33.7	8.1	20.9	61	−17	7	13	13	67	55	60	.064	.082	.082	.14	.08	5.9	5.6	4.7	5.1
March	26.567	27.040	26.020	23.9	34.2	34.2	41.2	16.8	29.0	71	−13	14	20	21	65	58	59	.085	.111	.113	1.07	.30	5.5	6.1	5.5	5.8
April	26.526	26.816	26.010	34.4	50.4	49.7	55.2	30.3	42.8	84	8	24	28	27	64	46	46	.130	.155	.149	.89	.44	3.9	6.0	6.3	5.6
May	26.546	27.090	26.194	47.5	60.1	61.2	65.5	43.5	54.5	85	29	37	39	40	67	49	50	.229	.252	.265	4.25	1.37	5.6	5.7	5.2	5.7
June	26.528	26.837	26.224	58.0	70.3	71.9	75.5	54.1	64.8	95	46	46	53	51	66	58	54	.321	.420	.394	5.62	2.95	4.8	5.5	5.4	5.2
July	26.636	26.880	26.309	66.1	79.4	78.7	83.7	61.7	72.7	95	54	55	62	62	68	58	58	.437	.572	.561	2.25	.57	5.2	4.4	5.2	5.0
August	26.674	26.920	26.490	60.3	73.1	72.7	77.2	56.8	67.0	90	50	50	54	55	70	54	56	.359	.429	.437	3.50	1.11	5.3	4.8	5.9	5.6
September	26.628	26.900	26.300	52.2	68.0	67.2	72.4	48.6	60.5	90	34	41	42	44	66	42	47	.259	.268	.291	4.90	3.91	4.7	4.8	4.4	4.4
October	26.711	27.150	26.020	38.2	51.8	47.4	55.8	34.8	45.0	77	13	30	35	35	70	57	66	.172	.211	.217	1.83	.58	5.0	5.6	5.0	5.5
November	26.638	27.023	26.170	26.6	52.4	43.5	55.0	30.9	43.0	69	24	24	29	30	59	49	58	.130	.159	.163	.06	.04	3.3	4.1	3.1	3.9
December	26.597	27.150	25.840	27.8	37.7	29.8	42.5	19.2	30.8	60	−22	16	18	17	60	48	58	.094	.106	.097	.22	.15	3.7	4.8	3.0	4.9
Year	26.607	27.264	25.840	40.7	53.4	51.1	58.2	35.3	45.7	95	−22	30	34	34	65	52	55	.198	.239	.239	25.10	3.91	4.9	5.3	4.8	5.2

Annual meteorological summary for the year ending December 31, 1923—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	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	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	14.9	NW.	54	NW.	7	7	3	2	2	4	3	8	33	0	8	10	13	16	15	15	11	0	1	12	0	29	0	0
February	13.4	NW.	53	NW.	4	4	3	1	3	3	6	11	25	0	6	11	11	12	11	13	9	0	0	17	0	28	0	0
March	16.0	NW.	62	NW.	11	2	3	0	4	11	11	8	23	0	12	9	10	15	9	7	6	0	0	6	0	25	2	0
April	15.3	NW.	53	NW.	7	5	2	3	5	10	14	11	10	0	9	10	11	13	8	0	0	0	0	1	0	5	1	0
May	11.8	S.	43	S.	2	7	3	2	8	13	8	8	13	0	17	7	7	7	5	0	0	0	0	0	0	0	1	0
June	11.0	W.	56	W.	2	2	5	2	6	7	13	17	8	0	8	10	12	12	12	0	0	0	0	0	7	0	7	0
July	9.0	W.	40	NW.	1	9	5	2	6	14	14	5	7	0	5	11	15	10	9	0	0	0	0	0	2	0	2	0
August	10.4	S.	48	W.	2	3	1	1	5	19	13	11	8	1	15	12	4	6	5	0	0	0	0	0	1	0	4	0
September	9.4	NW.	34	NW.	0	7	5	3	9	9	9	3	15	0	6	19	5	8	6	0	0	0	1	0	0	0	2	0
October	11.9	NW.	48	NW.	1	9	6	0	4	5	13	4	21	0	13	10	8	9	7	0	0	0	3	0	0	0	0	0
November	11.5	NW.	44	S.	2	9	3	1	4	13	5	4	20	1	13	5	12	9	8	2	0	0	0	0	0	9	0	0
December	12.3	NW.	58	NW.	5	9	3	1	5	5	14	5	20	0	10	7	14	12	11	5	4	0	0	2	0	15	0	0
Year	12.2	NW.	62	NW.	44	73	42	18	61	113	123	95	203	2	122	121	122	129	106	42	30	0	5	38	10	111	19	0

PUEBLO, COLO.

[H_b=4,685 ft.; h_t=80 ft.; h_r=72 ft.; h_a=86 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	8.1	NW.	46	NW.	4	8	4	11	3	0	2	11	21	2	19	10	2	0	0	1	0	0	0	0	0	27	0	0
February	5.3	SE.	35	W.	0	6	4	12	15	0	3	4	12	0	10	12	6	7	5	8	7	0	0	4	0	27	0	0
March	8.8	NW.	41	W.	3	10	6	7	8	5	3	8	14	1	7	19	5	6	4	9	6	0	2	2	0	26	0	0
April	7.1	E.	37	NW.	0	9	9	9	9	2	4	8	9	1	7	19	4	5	4	1	1	0	0	0	0	8	2	0
May	7.4	E.	44	NW.	1	13	4	14	11	4	2	3	11	0	6	19	6	6	5	1	0	1	0	0	0	0	6	0
June	7.4	E.	42	S.	1	10	3	15	6	5	6	2	11	2	12	15	3	9	5	0	0	1	0	0	7	0	9	0
July	5.1	E.	40	NW.	1	12	6	12	5	5	1	8	12	1	6	24	1	10	9	0	0	1	0	0	13	0	20	0
August	5.5	NW.	35	S.	0	19	2	5	8	4	3	5	16	0	5	19	7	15	13	0	0	1	1	0	1	0	16	0
September	5.5	NW.	32	S.	0	7	2	5	12	5	3	3	22	0	16	10	4	7	6	0	0	1	0	0	0	0	4	0
October	5.3	SE.	34	S.	0	7	13	9	12	8	2	1	9	1	6	15	10	9	6	3	2	0	2	0	0	12	3	0
November	5.3	NW.	32	NW.	0	6	6	10	4	2	1	1	28	2	17	10	3	1	1	1	1	0	0	1	0	25	0	0
December	5.2	NW.	35	NW.	0	10	6	5	12	6	5	4	14	0	9	13	9	4	2	8	4	0	2	6	0	29	0	0
Year	6.3	NW.	46	NW.	10	117	65	115	105	46	35	58	179	10	120	185	60	79	60	32	21	5	7	13	21	154	60	0

RALEIGH, N. C.

[H_b=376 ft.; h_t=103 ft.; h_r=94 ft.; h_a=110 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	9.3	SW.	56	S.	1	10	11	4	1	2	14	7	13	0	7	11	13	10	9	0	0	0	1	0	0	6	1	0
February	9.0	SW.	36	NW.	0	10	6	1	1	4	13	10	11	0	8	5	15	10	10	1	1	0	1	2	0	15	1	0
March	9.9	SW.	37	SW.	0	9	10	3	5	7	14	5	9	0	12	10	9	11	7	0	0	0	2	0	0	7	2	0
April	8.9	SW.	44	W.	1	9	9	4	1	9	18	4	6	0	12	9	9	9	8	0	0	0	0	0	0	2	3	0
May	8.2	SW.	37	SW.	0	3	11	10	6	9	12	3	7	1	8	12	11	5	4	0	0	0	0	0	0	0	2	0
June	8.3	SW.	36	SW.	0	5	4	1	2	6	24	14	4	0	7	19	4	6	3	0	0	0	0	0	12	0	3	0
July	7.1	SW.	46	NE.	1	4	8	10	3	7	18	11	1	0	5	15	11	15	12	0	0	1	0	0	10	0	13	0
August	6.3	SW.	31	N.	0	6	10	5	3	7	21	10	0	0	5	13	13	12	8	0	0	0	1	0	11	0	8	0
September	6.3	NE.	30	NE.	0	9	17	8	4	3	14	1	3	1	3	17	10	12	11	0	0	0	2	0	1	0	8	0
October	7.1	NE.	28	NE.	0	8	22	4	1	8	9	5	5	0	13	11	7	8	6	0	0	0	1	0	0	0	0	0
November	6.3	N.	30	NW.	0	16	13	2	3	0	8	9	9	0	12	6	12	8	7	0	0	0	1	0	0	2	0	0
December	8.4	SW.	41	SW.	1	6	12	3	2	8	21	6	4	0	12	7	12	9	5	1	0	0	1	0	0	3	0	0
Year	8.1	SW.	56	S.	4	95	133	55	32	70	186	85	72	2	104	135	126	115	90	2	1	1	10	2	34	35	41	0

RAPID CITY, S. DAK.

[H_b=3,289 ft.; h_t=50 ft.; h_r=43 ft.; h_a=58 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	8.7	W.	42	N.	1	14	6	2	8	3	1	15	12	1	8	13	10	5	2	7	5	0	2	6	0	29	0	0
February	8.1	N.	38	N.	0	19	4	2	5	6	0	10	9	1	8	13	7	4	2	7	4	0	0	12	0	28	0	0
March	8.6	N.	37	N.	0	15	9	4	5	1	7	10	10	1	10	9	12	7	6	14	7	0	0	10	0	30	0	0
April	8.7	W.	52	SW.	2	14	1	6	5	7	5	17	5	0	7	15	8	8	6	6	5	0	0	4	0	17	1	0
May	8.8	SE.	36	NW.	0	11	2	9	7	8	1	14	8	2	11	7	13	17	14	0	0	1	0	0	0	2	7	0
June	8.8	SE.	46	SW.	1	12	3	2	8	9	7	12	6	0	9	11	10	16	11	0	0	2	2	0	1	0	9	0
July	6.3	SE.	32	SW.	0	9	2	7	12	8	3	12	9	0	12	11	8	13	10	0	0	1	0	0	6	0	13	0
August	6.2	W.	36	NW.	0	10	7	6	10	5	4	17	3	0	8	13	10	14	12	0	0	0	0	0	1	0	8	0
September	7.4	W.	42	NW.	1	9	4	5	0	8	4	21	11	0	16	6	8	9	7	0	0	0	0	0	1	0	4	1
October	7.2	W.	27	NW.	0	9	2	4	7	4	3	17	15	1	10	8	13	13	11	5	5	0	0	1	0	12	3	0
November	8.1	W.	34	NW.	0	5	5	2	4	9	4	21	19	0	15	9	6	2	1	1	1	0	1	0	0	17	0	0
December	8.2	W.	40	SW.	1	8	0	3	2	5	6	23	15	0	14	4	13	3	2	4	3	0	1	4	0	29	0	0
Year	7.9	W.	52	SW.	6	135	45	52	73	62	45	190	122	6	128	119	118	111	84	44	30	4	6	37	9	164	45	1

Annual meteorological summary for the year ending December 31, 1923—Continued

READING, PA.

[ϕ=40° 20′ N.; λ=75° 58′ W.]

Month	Pressure: Extremes: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.720	30.462	29.163	29.2	33.3	32.4	36.6	25.6	31.1	52	12	23	25	26	77	71	76	0.128	0.136	0.141	3.52	0.93	7.8	7.5	7.3	7.5
February	29.771	30.230	29.270	23.5	29.8	28.8	33.2	20.3	26.8	46	8	18	20	22	77	64	75	.103	.110	.123	2.38	.96	7.2	6.7	5.6	6.0
March	29.679	30.369	28.800	34.7	42.4	40.0	47.7	29.9	38.8	74	12	26	29	30	71	60	66	.148	.173	.172	3.56	1.08	4.5	5.1	4.0	4.5
April	29.624	30.311	29.030	46.5	56.0	53.1	61.0	40.8	50.9	85	12	35	35	39	65	49	60	.216	.222	.250	3.24	1.56	4.7	4.8	5.0	4.6
May	29.603	29.972	29.082	56.8	67.2	64.4	72.0	51.2	61.6	86	38	46	47	47	69	52	57	.327	.339	.340	2.43	1.16	3.4	3.7	3.4	3.2
June	29.559	29.840	29.060	70.5	81.0	75.6	85.1	64.5	74.8	101	52	60	62	62	70	53	65	.528	.554	.570	.54	.15	3.9	4.1	3.7	4.1
July	29.659	30.058	29.340	70.5	79.2	76.5	83.4	65.3	74.4	94	54	61	61	62	73	57	62	.544	.548	.563	2.89	1.19	7.4	5.9	6.0	5.6
August	29.640	29.850	29.300	67.9	77.4	74.3	82.0	63.0	72.5	92	48	60	63	64	78	62	73	.537	.587	.621	1.27	.32	5.3	5.4	4.9	5.0
September	29.766	30.186	29.450	62.7	72.1	68.4	76.0	59.0	67.5	86	42	58	63	61	82	74	79	.507	.587	.563	3.34	1.51	6.1	4.9	3.4	4.3
October	29.768	30.081	29.280	49.5	60.0	55.2	63.9	45.1	54.5	79	35	44	52	49	83	74	80	.295	.395	.356	3.61	2.85	5.4	3.4	3.0	4.4
November	29.731	30.275	29.134	40.1	47.0	44.5	50.6	36.8	43.7	61	26	37	41	41	87	81	87	.223	.265	.260	2.21	1.18	6.3	5.2	4.7	5.7
December	29.709	30.464	28.930	38.9	44.7	42.6	47.7	36.2	42.0	61	22	34	39	38	81	80	84	.201	.242	.238	4.51	1.20	5.9	5.7	5.2	6.0
Year	29.686	30.464	28.800	49.2	57.5	54.6	61.6	44.8	53.2	101	8	42	45	45	76	65	72	.313	.346	.350	33.50	2.85	5.7	5.2	4.7	5.1

RED BLUFF, CALIF.

[ϕ=40° 10′ N.; λ=122° 15′ W.]

Month	Pressure: Extremes: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.782	30.070	29.160	38.2	44.9	46.8	50.1	36.1	43.1	63	29	36	38	39	90	79	71	0.213	0.238	0.243	1.80	1.03	3.5	5.5	5.4	6.2
February	29.791	30.100	29.230	41.7	56.7	53.2	63.8	39.5	51.6	82	27	31	34	33	69	46	35	.178	.209	.195	.72	.68	1.1	1.5	1.9	2.1
March	29.763	30.100	29.406	46.0	62.5	68.5	69.2	43.7	56.4	87	36	30	35	30	55	41	27	.171	.217	.175	.09	.09	1.8	2.0	1.8	1.8
April	29.606	29.900	29.307	48.8	63.5	66.8	67.9	46.9	57.4	82	38	41	44	41	75	54	46	.260	.296	.264	3.47	1.37	4.6	3.4	3.7	3.6
May	29.563	29.830	29.270	56.9	73.5	78.6	79.6	55.6	67.6	93	46	44	44	43	63	38	31	.294	.294	.294	.33	.24	2.3	2.0	2.6	2.2
June	29.511	29.800	29.220	57.4	75.4	80.9	82.4	55.8	69.1	102	46	46	48	43	69	42	29	.323	.345	.285	2.06	1.27	2.2	1.8	2.7	2.5
July	29.519	29.670	29.220	66.1	87.5	94.6	95.4	64.8	80.1	112	57	48	48	42	54	26	17	.340	.318	.278	.00	.00	.5	.4	.7	.6
August	29.541	29.730	29.360	66.1	86.5	93.6	94.3	64.1	79.2	108	56	50	51	47	59	31	21	.372	.382	.322	.00	.00	.6	.8	1.1	1.0
September	29.548	29.810	29.329	64.3	82.0	87.3	88.5	61.4	75.0	108	43	46	48	45	57	36	29	.323	.346	.304	3.13	2.02	1.1	1.7	2.1	1.9
October	29.634	29.890	29.430	52.1	67.6	72.4	73.4	50.0	61.7	91	42	43	46	44	72	48	35	.280	.316	.295	.71	.48	2.1	2.6	2.9	3.1
November	29.729	29.910	29.467	47.7	63.7	68.2	69.7	45.0	57.4	81	38	38	43	40	71	51	41	.231	.286	.258	.57	.27	2.4	2.2	2.5	2.3
December	29.801	30.280	29.460	38.4	49.0	52.7	54.4	35.8	45.1	67	31	32	34	33	78	58	50	.181	.199	.193	.64	.47	2.7	2.7	3.9	4.2
Year	29.649	30.280	29.160	52.0	67.7	73.0	74.1	49.9	62.0	112	27	40	43	40	68	46	36	.263	.287	.258	13.52	2.02	2.1	2.2	2.6	2.7

RENO, NEV.

[ϕ=39° 32′ N.; λ=119° 49′ W.]

Month	Pressure: Extremes: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	25.486	25.760	25.000	27.0	37.8	39.7	44.1	22.4	33.2	62	−8	21	25	22	77	62	54	0.113	0.136	0.120	1.90	0.79	5.4	6.7	7.6	6.5
February	25.532	25.950	24.890	19.4	36.2	30.4	42.7	15.8	29.2	61	−4	16	24	24	85	61	56	.093	.131	.122	.35	.18	1.4	2.7	3.8	2.7
March	25.542	25.860	25.110	30.7	50.3	52.2	55.3	26.9	41.1	69	13	22	24	18	68	37	27	.115	.128	.103	.29	.24	2.5	3.5	3.9	3.3
April	25.392	25.640	25.130	36.3	53.4	53.7	58.3	34.0	46.2	74	26	28	29	26	71	41	38	.150	.160	.145	1.03	.32	3.7	5.9	6.4	5.3
May	25.411	25.680	25.173	43.2	64.6	64.5	68.9	41.5	55.2	79	32	33	36	30	67	29	30	.187	.172	.172	.69	.43	2.3	4.0	3.9	3.4
June	25.379	25.570	25.148	44.2	66.6	67.6	72.1	42.7	57.4	94	30	35	33	33	71	32	31	.208	.191	.190	.99	.51	2.7	4.2	5.1	3.7
July	25.468	25.620	25.150	55.7	83.1	73.5	88.3	53.8	71.0	101	42	39	35	35	56	19	20	.244	.206	.212	.03	.03	1.5	1.6	2.0	1.5
August	25.507	25.850	25.351	52.3	80.2	79.1	85.1	51.1	68.1	93	44	38	37	36	61	28	28	.239	.226	.219	.73	.38	1.6	1.9	3.8	2.4
September	25.503	25.660	25.182	49.8	72.8	71.9	77.7	47.7	62.7	95	32	39	38	37	67	32	32	.242	.239	.237	.48	.27	2.9	3.2	3.8	3.2
October	25.494	25.760	25.230	38.5	58.7	58.1	63.5	34.9	49.2	77	24	31	32	30	76	39	37	.177	.184	.171	.43	.19	3.8	4.0	4.9	4.2
November	25.509	25.810	25.220	31.8	53.8	53.0	58.4	28.7	43.6	66	19	25	27	25	75	36	34	.136	.147	.136	.01	.01	2.4	3.6	3.5	3.2
December	25.543	25.982	25.090	24.4	39.0	39.2	45.2	20.0	32.6	61	8	18	20	20	78	46	45	.100	.106	.106	.29	.13	3.0	4.2	4.1	4.1
Year	25.490	25.982	24.890	37.8	53.0	57.7	63.3	35.0	49.1	101	−8	29	30	28	71	39	36	.167	.169	.161	7.22	.79	2.8	3.8	4.4	3.6

RICHMOND, VA.

[ϕ=37° 32′ N.; λ=77° 27′ W.]

Month	Pressure: Extremes: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.967	30.650	29.360	35.3	43.8	41.1	49.0	31.2	40.1	68	21	29	30	31	79	60	71	0.166	0.176	0.187	4.61	1.46	5.5	5.3	4.2	6.2
February	30.004	30.400	29.530	31.9	39.9	37.4	45.2	28.7	37.0	65	15	26	28	27	78	66	69	.155	.172	.168	3.09	.75	5.7	5.4	5.0	5.4
March	29.918	30.536	29.010	42.3	53.7	49.8	60.1	36.0	48.0	81	22	33	34	35	70	50	63	.207	.224	.237	5.88	2.31	3.6	4.7	4.3	4.0
April	29.857	30.560	29.309	50.4	62.0	58.8	67.3	44.2	55.8	83	19	40	38	40	68	47	54	.265	.256	.265	3.96	1.88	3.4	3.9	3.6	3.5
May	29.832	30.110	29.360	60.9	71.4	65.7	75.7	53.0	64.4	85	35	50	48	49	69	45	57	.383	.352	.367	1.16	.74	3.7	4.6	5.4	4.5
June	29.795	30.060	29.260	71.9	83.1	78.5	87.0	65.0	76.0	97	54	62	60	62	71	48	58	.567	.534	.568	2.09	1.06	3.2	2.9	4.2	4.2
July	29.856	30.211	29.520	72.4	83.5	76.1	86.7	66.2	76.4	97	60	65	68	65	78	52	71	.624	.588	.633	10.87	7.26	5.4	5.4	5.6	5.3
August	29.844	30.050	29.610	71.6	81.2	74.7	84.1	66.3	75.2	94	49	67	66	67	86	62	78	.670	.651	.677	6.41	2.68	6.1	4.7	4.2	5.7
September	29.956	30.390	29.670	66.1	76.9	69.9	79.8	61.9	70.8	87	48	62	60	62	86	58	78	.571	.549	.581	4.25	1.47	6.0	4.9	3.2	5.0
October	29.970	30.270	29.440	50.6	64.5	57.9	68.5	46.9	57.7	80	33	44	44	47	79	49	68	.296	.303	.339	2.16	.92	2.9	2.8	1.3	4.0
November	29.943	30.450	29.521	40.7	52.2	48.1	55.7	37.9	46.8	67	27	36	36	37	83	56	67	.219	.228	.229	2.20	.82	6.9	5.3	3.6	5.4
December	29.948	30.710	29.250	41.8	52.4	49.0	57.7	37.5	47.6	74	24	36	38	39	81	59	69	.231	.249	.257	2.28	.78	5.7	4.7	3.8	5.0
Year	29.905	30.710	29.010	53.0	63.7	58.9	68.1	47.9	58.0	97	15	46	45	47	77	54	67	.363	.356	.376	48.96	7.26	4.8	4.6	4.0	4.8

Annual meteorological summary for the year ending December 31, 1923—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	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	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	7.2	NW.	36	NW.	0	7	2	0	11	3	5	7	27	0	5	7	19	15	11	13	11	0	0	6	0	26	0	0
February	7.5	NW.	36	NW.	0	2	7	0	8	3	8	2	26	0	8	9	11	17	11	12	10	0	1	12	0	25	0	0
March	8.3	NW.	37	NW.	0	2	4	0	18	1	8	7	22	0	15	7	9	9	8	4	2	0	2	2	0	18	1	0
April	3.8	NW.	20	SW.	0	3	5	0	12	6	14	3	17	0	14	8	8	10	8	2	1	0	0	0	0	3	1	0
May	4.9	SE.	24	NW.	0	8	4	0	19	7	10	1	13	0	16	12	3	9	6	1	0	0	0	0	0	0	3	0
June	3.5	NW.	24	SW.	0	4	3	1	6	1	15	4	26	0	14	11	5	9	5	0	0	0	0	0	12	0	6	0
July	4.9	SE.	19	SE.	0	3	6	2	22	3	10	3	13	0	5	18	8	14	8	0	0	0	0	0	5	0	6	0
August	4.6	SE.	25	N.	0	5	1	0	20	4	18	3	11	0	10	17	4	8	5	0	0	0	0	0	5	0	5	0
September	3.3	SE.	13	SE.	0	11	0	1	21	4	12	1	10	0	15	9	6	12	9	0	0	0	0	0	0	0	2	0
October	3.6	N.	24	NE.	0	16	7	1	12	6	7	1	12	0	15	10	6	7	5	0	0	0	1	0	0	0	1	0
November	5.8	NW.	24	NE.	0	2	5	2	6	3	15	4	23	0	11	8	11	10	6	0	0	0	2	0	0	8	0	0
December	6.4	NW.	28	NW.	0	1	3	3	9	2	15	4	25	0	9	8	14	16	15	5	4	0	0	0	0	10	1	0
Year	5.3	NW.	37	NW.	0	64	47	10	164	43	137	40	225	0	137	124	104	136	97	37	28	0	6	20	22	90	26	0

RED BLUFF, CALIF.

[H_b=332 ft.; h_t=50 ft.; h_r=40 ft.; h_a=56 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	4.6	NW.	31	SE.	0	11	2	6	10	10	3	3	15	2	9	8	14	9	6	0	0	0	4	0	0	10	0	0
February	7.4	NW.	39	NW.	0	3	0	0	6	3	3	5	35	1	21	5	2	3	3	0	0	0	0	0	0	6	0	0
March	7.8	NW.	36	N.	0	7	2	0	8	5	1	10	29	0	25	6	0	1	1	0	0	0	0	0	0	0	0	0
April	7.2	SE.	28	NW.	0	3	0	0	18	15	2	4	18	0	16	11	3	12	9	0	0	0	0	0	0	0	0	0
May	6.6	NW.	25	NW.	0	8	2	1	18	10	0	4	19	0	24	7	0	5	3	0	0	0	0	0	4	0	0	0
June	5.3	SE.	28	W.	0	6	0	1	21	12	6	4	10	0	24	5	1	7	6	0	0	1	0	0	7	0	2	0
July	5.1	SE.	19	SE.	0	0	0	1	33	11	3	6	7	1	31	0	0	0	0	0	0	0	0	0	25	0	0	0
August	4.3	SE.	16	SE.	0	3	0	0	32	11	5	5	5	1	27	4	0	0	0	0	0	0	0	0	23	0	0	0
September	4.9	SE.	28	NW.	0	5	1	2	21	9	5	7	10	0	25	1	4	4	4	0	0	1	0	0	17	0	1	0
October	5.3	NW.	28	NW.	0	1	0	0	6	4	8	7	36	0	20	8	3	6	5	0	0	0	0	0	1	0	0	0
November	4.7	NW.	33	N.	0	6	2	0	4	1	1	5	41	0	19	7	4	4	3	0	0	0	0	0	0	0	0	0
December	5.3	NW.	28	SE.	0	12	2	1	10	1	3	6	26	1	16	9	6	4	4	0	0	0	4	0	0	4	0	0
Year	5.7	NW.	39	NW.	0	65	11	12	187	92	40	66	251	6	257	71	37	55	44	0	0	2	8	0	77	20	3	0

RENO, NEV.

[H_b=4,532 ft.; h_t=74 ft., h_r=67 ft.; h_a=81 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	5.4	W.	46	W.	1	11	2	4	6	8	2	25	4	0	6	12	13	8	6	6	6	0	1	5	0	27	0	0
February	4.2	W.	48	W.	1	5	3	6	11	6	5	16	4	0	17	9	2	2	2	4	2	0	1	7	0	27	0	0
March	6.4	W.	34	W.	0	7	6	7	5	3	4	24	6	0	17	9	5	4	3	4	4	0	0	1	0	28	0	0
April	7.9	W.	48	SW.	2	7	4	3	5	2	3	33	3	0	8	13	9	10	7	5	3	0	0	0	0	12	1	0
May	7.9	W.	50	W.	1	4	3	3	3	0	6	33	7	3	17	10	4	5	3	2	1	0	0	0	0	0	2	0
June	7.6	W.	36	W.	0	0	2	3	3	5	3	38	5	1	13	16	1	5	2	1	0	1	0	0	3	2	6	0
July	7.3	W.	36	W.	0	1	0	0	2	2	2	48	6	1	27	3	1	1	0	0	0	0	0	0	13	0	2	0
August	6.6	W.	30	W.	0	1	2	0	8	1	2	46	2	0	22	4	5	5	3	0	0	0	0	0	7	0	6	0
September	5.7	W.	33	W.	0	6	4	2	4	5	4	30	5	0	18	7	5	5	3	0	0	0	0	0	6	1	5	0
October	5.2	W.	41	W.	1	9	6	3	4	0	6	25	6	3	16	6	9	6	4	1	1	0	0	0	0	14	0	0
November	4.2	W.	28	SW.	0	2	13	8	4	3	4	18	7	1	18	8	4	1	0	1	1	0	0	0	0	21	0	0
December	5.1	W.	40	W.	2	5	3	8	7	1	5	32	0	1	13	13	5	5	3	9	5	0	0	1	0	31	0	0
Year	6.1	W.	50	W.	8	58	48	47	62	36	46	368	55	10	192	110	63	57	36	33	23	1	2	14	29	163	22	0

RICHMOND, VA.

[H_b=144 ft.; h_t=11 ft.; h_r=3 ft.; h_a=52 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	7.9	NE.	37	SW.	0	3	18	3	6	11	8	1	11	1	9	9	13	13	11	2	2	0	2	1	0	18	1	0
February	8.8	NW.	36	NW.	0	4	10	5	3	9	9	4	12	0	12	4	12	11	10	4	2	0	1	3	0	19	0	0
March	11.0	SW.	45	SW.	1	3	11	2	8	12	13	1	12	0	17	7	7	12	10	0	0	0	1	0	0	11	2	0
April	10.0	NE.	42	SW.	2	3	14	2	7	12	13	2	6	1	18	4	8	9	8	0	0	0	1	0	0	2	4	0
May	8.2	SE.	42	SW.	2	2	15	2	21	5	13	1	2	1	13	12	6	7	6	0	0	0	0	0	0	0	3	0
June	7.5	SW.	34	NW.	0	6	9	2	4	6	25	1	4	3	12	15	3	9	8	0	0	0	0	0	14	0	6	0
July	6.3	SE.	40	NE.	1	2	10	7	17	12	10	1	2	1	12	11	8	12	10	0	0	0	0	0	9	0	12	0
August	6.3	SW.	33	SW.	0	6	14	7	6	8	19	0	0	2	9	11	11	12	10	0	0	0	3	0	3	0	6	0
September	5.8	NE.	29	NW.	0	4	15	10	9	8	8	1	3	2	10	11	9	8	7	0	0	0	1	0	0	0	4	0
October	7.0	NE.	28	NE.	0	7	20	3	5	9	11	0	5	2	15	10	6	5	4	0	0	0	2	0	0	0	0	0
November	7.6	NE.	35	SW.	0	6	20	4	3	4	11	5	5	2	8	14	8	10	7	0	0	0	2	0	0	6	0	0
December	8.2	SW.	42	SW.	2	4	7	1	6	8	27	2	5	2	13	7	11	9	7	1	1	0	0	0	0	11	1	0
Year	7.9	SW.	45	SW.	8	50	163	48	95	104	167	19	67	17	148	115	102	117	98	7	5	0	13	4	26	67	39	0

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1923—Continued

ROCHESTER, N. Y.

[ϕ=43° 08′ N.; λ=77° 42′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.480	30.220	28.880	22.8	25.0	24.6	30.9	17.1	24.0	47	0	17	18	19	77	73	77	0.096	0.099	0.107	3.55	0.50	8.7	9.0	8.7	8.8
February	29.528	30.027	28.930	18.7	22.1	21.6	27.8	14.0	20.9	43	−1	13	13	14	75	64	70	.084	.081	.087	1.67	.25	8.3	8.1	8.5	7.9
March	29.417	30.090	28.740	27.9	30.8	28.9	38.6	21.3	30.0	60	5	19	19	20	67	61	67	.111	.116	.110	2.71	.66	7.4	7.7	7.5	7.3
April	29.387	30.032	28.800	39.9	45.6	44.5	52.7	34.7	43.7	80	7	28	29	31	63	53	61	.161	.163	.180	1.55	.70	6.1	6.3	5.3	6.1
May	29.404	29.802	28.820	50.8	58.2	56.1	64.2	43.3	53.8	83	30	37	36	39	60	47	55	.227	.222	.245	2.69	.77	3.3	3.5	3.8	3.6
June	29.357	29.650	28.800	65.5	72.0	68.7	76.8	58.1	67.4	92	45	54	54	54	68	56	62	.441	.428	.438	3.84	1.13	4.9	4.6	4.6	4.9
July	29.461	29.798	29.137	67.3	75.2	72.2	79.8	60.3	70.0	90	51	56	54	55	69	50	56	.458	.422	.436	1.97	.85	5.8	5.1	4.6	5.0
August	29.415	29.627	28.980	64.1	72.8	68.8	77.2	56.7	67.0	92	44	53	53	54	69	52	60	.417	.421	.423	1.33	.45	4.8	5.5	4.4	4.7
September	29.536	30.000	29.210	58.8	66.2	62.8	70.2	54.1	62.2	88	38	52	54	54	79	66	74	.403	.433	.441	3.35	.90	5.8	7.3	5.7	7.0
October	29.556	29.890	28.910	46.4	55.4	50.4	58.7	41.4	50.0	82	30	39	40	40	75	58	70	.242	.254	.260	1.75	1.29	5.5	5.3	4.0	5.4
November	29.485	29.945	28.930	38.1	43.0	41.3	47.0	34.9	41.0	62	25	32	33	33	77	68	73	.182	.190	.192	3.10	1.05	8.1	8.1	7.1	8.0
December	29.438	30.110	28.580	36.4	39.4	37.4	42.8	32.0	37.4	62	20	30	31	30	76	72	76	.170	.178	.176	2.80	.79	8.4	8.6	7.9	8.6
Year	29.455	30.220	28.580	44.7	50.5	48.1	55.6	39.0	47.3	92	−1	36	36	37	71	60	67	.249	.251	.258	30.31	1.29	6.4	6.6	6.0	6.4

ROSEBURG, OREG.

[ϕ=43° 13′ N.; λ=123° 20′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.539	29.780	28.916	40.1	44.7	45.6	48.1	37.1	42.6	63	23	38	38	39	91	79	78	0.229	0.237	0.241	5.69	1.24	6.8	8.0	7.4	7.6
February	29.696	30.080	28.740	36.6	43.4	48.1	49.1	34.6	41.8	65	20	35	35	36	92	75	64	.204	.212	.216	1.41	1.06	6.3	6.8	5.2	6.4
March	29.709	29.980	29.220	38.8	51.6	55.3	58.0	36.4	47.2	85	22	36	37	36	90	58	52	.217	.221	.212	1.32	.26	6.8	5.3	5.2	5.3
April	29.466	29.900	29.060	43.2	58.6	60.7	64.4	41.3	52.8	86	35	40	40	38	89	52	47	.250	.251	.230	2.23	.54	6.0	4.7	5.6	4.9
May	29.515	29.700	29.300	47.2	63.2	66.4	68.8	45.2	57.0	87	33	44	44	44	89	51	47	.290	.292	.293	1.56	.41	7.5	5.5	5.1	5.2
June	29.424	29.710	29.218	51.3	68.2	73.0	75.8	50.3	63.0	93	39	48	48	48	88	50	43	.330	.341	.333	1.22	.55	6.6	3.8	3.8	4.0
July	29.482	29.740	29.248	56.6	73.0	80.0	81.8	55.5	68.6	96	49	52	53	51	86	51	40	.392	.402	.383	.59	.34	5.7	3.4	2.6	3.5
August	29.465	29.600	29.177	56.0	77.1	83.1	85.4	54.5	70.0	97	48	52	56	53	90	48	37	.400	.449	.405	.30	.30	3.7	3.4	3.4	3.8
September	29.469	29.740	29.200	52.2	69.8	76.4	78.1	50.5	64.3	100	44	50	49	48	91	51	40	.359	.356	.334	1.63	1.23	3.3	2.9	2.8	3.8
October	29.519	29.850	29.100	48.1	57.7	60.4	63.0	45.5	54.2	85	38	47	48	48	95	72	66	.321	.341	.342	3.40	.87	5.3	6.4	5.3	5.8
November	29.602	29.950	29.245	44.8	51.9	53.2	56.8	41.5	49.2	64	31	43	41	46	96	77	76	.282	.294	.309	1.95	1.04	5.7	5.7	5.0	6.1
December	29.630	30.180	29.100	36.5	42.8	43.3	47.6	33.6	40.6	60	22	35	38	38	94	83	82	.204	.227	.233	4.31	1.39	5.7	6.5	7.1	7.0
Year	29.543	30.180	28.740	46.0	58.5	62.1	64.7	43.8	54.3	100	20	43	44	44	91	62	56	.290	.302	.294	25.61	1.39	5.8	5.2	4.9	5.3

ROSWELL, N. MEX.

[ϕ=33° 24′ N.; λ=104° 27′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	26.396	26.861	26.060	35.1	53.2	55.5	61.4	31.6	46.5	76	17	19	19	19	52	30	28	0.110	0.114	0.114	0.44	0.44	3.5	3.6	4.3	3.9
February	26.446	26.882	26.050	33.4	44.1	47.7	52.2	30.6	41.4	70	12	26	25	26	75	53	49	.149	.146	.150	1.93	.99	5.5	5.5	5.2	5.6
March	26.340	26.740	25.840	35.3	53.5	57.1	60.9	33.1	47.0	75	16	23	20	20	64	33	31	.136	.125	.129	.24	.08	4.2	4.4	4.1	4.5
April	26.246	26.600	25.830	48.6	65.2	68.9	72.4	46.7	59.6	85	37	35	33	27	64	38	30	.220	.207	.180	.96	.69	5.1	5.1	3.7	4.6
May	26.228	26.850	25.860	55.7	76.3	81.5	83.5	54.2	68.8	95	43	35	34	28	51	24	18	.219	.200	.165	.10	.05	2.6	2.3	2.5	2.9
June	26.247	26.560	26.030	65.1	84.6	87.2	91.3	63.4	77.4	101	52	52	48	42	65	31	28	.408	.354	.310	1.18	.69	2.4	2.7	3.5	3.2
July	26.377	26.580	26.200	67.0	85.7	87.4	91.3	65.7	78.5	100	60	56	52	51	71	34	31	.464	.399	.379	2.59	1.57	4.4	2.6	5.0	4.4
August	26.382	26.590	26.208	66.1	83.7	86.3	89.0	65.1	77.0	99	58	57	54	52	73	38	32	.459	.416	.388	.78	.44	3.2	2.4	4.6	3.9
September	26.375	26.560	26.115	58.1	78.9	78.6	83.8	56.8	70.3	92	50	49	49	46	73	36	36	.358	.354	.325	5.74	2.98	1.8	1.5	3.1	2.5
October	26.396	26.760	26.005	48.9	60.4	61.2	66.7	46.5	56.6	85	33	45	43	43	86	58	57	.316	.289	.290	3.14	.87	5.3	4.3	4.5	4.9
November	26.436	26.770	26.100	38.1	52.5	53.0	59.0	34.1	46.6	77	15	32	32	33	85	49	49	.188	.186	.190	1.05	.50	3.9	3.6	3.6	3.8
December	26.414	26.840	25.958	26.7	37.6	36.8	43.4	22.7	33.0	76	−4	22	27	26	84	67	68	.124	.153	.149	1.89	1.09	3.8	3.8	5.8	5.8
Year	26.357	26.882	25.830	48.0	64.6	66.8	71.2	45.9	58.6	101	−4	38	36	34	70	41	38	.262	.245	.231	20.04	2.98	3.8	3.6	4.2	4.2

ROYAL CENTER, IND.

[ϕ=40° 53′ N.; λ=86° 29′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.242	29.880	28.640	26.9	31.9	----	36.0	23.3	29.6	48	6	24	25	----	87	75	----	0.131	0.138	----	1.92	0.70	7.1	7.4	----	7.6
February	29.373	29.880	28.890	19.2	25.2	----	29.1	14.9	22.0	42	−5	15	18	----	82	74	----	.098	.113	----	1.30	.63	7.0	7.6	----	7.6
March	29.210	29.770	28.240	29.0	36.9	----	43.0	23.4	33.6	63	4	24	25	----	81	62	----	.137	.144	----	3.70	1.46	7.6	6.8	----	6.2
April	29.179	29.730	28.700	42.0	53.4	----	58.2	35.8	47.0	77	19	34	36	----	73	55	----	.198	.216	----	1.75	.66	6.7	6.0	----	6.0
May	29.125	29.480	28.550	52.3	64.0	----	68.6	45.5	57.0	85	29	44	45	----	74	55	----	.300	.326	----	4.62	2.01	6.2	6.4	----	6.3
June	29.184	29.492	28.810	67.8	78.1	----	81.6	59.8	70.7	97	42	61	61	----	80	57	----	.557	.526	----	3.06	.94	5.2	5.9	----	5.9
July	29.227	29.456	28.960	68.9	81.0	----	84.8	61.5	73.2	94	51	62	62	----	80	55	----	.565	.576	----	3.30	1.21	4.1	5.0	----	5.0
August	29.209	29.390	28.990	65.2	76.0	----	79.8	57.9	68.8	91	41	61	62	----	86	63	----	.546	.571	----	4.04	1.83	6.4	7.0	----	6.7
September	29.280	29.563	28.840	59.2	71.5	----	74.3	54.4	64.4	85	33	56	56	----	91	61	----	.477	.488	----	3.24	.99	6.1	7.4	----	7.1
October	29.366	29.676	28.630	42.6	57.5	----	60.3	38.5	49.4	78	23	40	40	----	89	56	----	.253	.212	----	3.84	1.72	6.2	3.1	----	5.5
November	29.274	29.648	28.810	35.4	45.5	----	49.0	32.9	41.0	61	22	32	34	----	88	66	----	.182	.202	----	1.72	.80	6.9	6.6	----	7.2
December	29.241	29.800	28.710	35.2	41.3	----	45.6	30.8	38.2	57	10	32	34	----	89	70	----	.191	.200	----	5.13	1.92	7.0	7.5	----	8.3
Year	29.242	29.880	28.240	45.3	55.2	----	59.3	39.9	49.6	97	−5	40	42	----	83	62	----	.308	.310	----	37.62	2.01	6.4	6.4	----	6.7

Annual meteorological summary for the year ending December 31, 1923—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	9.3	W.	37	W.	0	3	2	6	11	7	7	18	8	0	2	3	26	21	16	24	19	0	0	16	0	31	0	0
February	10.9	W.	44	W.	1	2	2	5	5	1	14	20	7	0	3	6	19	19	15	20	14	0	0	17	0	28	0	0
March	11.7	W.	54	W.	4	2	4	0	9	6	11	18	12	0	4	9	18	18	14	21	11	0	0	9	0	26	0	0
April	10.5	W.	50	W.	2	2	7	3	1	4	14	20	8	1	11	5	14	16	11	10	6	0	0	1	0	12	0	0
May	7.3	NE.	37	SW.	0	4	15	6	3	10	6	8	10	0	21	0	10	9	8	4	3	0	0	0	0	1	0	0
June	8.5	W.	45	W.	1	6	6	4	0	2	19	12	11	0	12	10	8	11	9	0	0	0	0	0	0	0	3	0
July	6.0	NE.	23	SW.	0	5	15	6	2	6	9	14	4	1	11	11	9	7	5	0	0	0	0	0	0	2	0	7
August	6.8	SW.	45	W.	1	2	11	2	1	3	18	10	14	1	14	11	6	7	6	0	0	0	0	0	0	0	4	0
September	5.8	SW.	28	SW.	0	10	8	4	3	8	15	6	5	1	4	11	15	11	9	0	0	0	0	0	0	2	0	6
October	7.3	W.	33	W.	0	2	1	5	5	4	18	17	10	0	10	9	12	9	5	1	0	1	4	0	0	0	4	0
November	7.6	SW.	25	W.	0	1	5	2	3	9	16	15	9	0	4	4	22	14	10	6	3	0	0	0	0	0	0	0
December	9.7	SW.	44	W.	1	5	4	7	4	1	20	16	5	0	2	3	26	17	15	9	7	0	2	4	0	15	0	0
Year	8.4	W.	54	W.	10	44	80	50	47	61	167	174	103	4	98	82	185	159	123	95	63	1	7	47	4	125	24	0

ROSEBURG, OREG.

[H_b=510 ft.; h_t=9 ft.; h_r=4 ft.; h_a=57 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	2.7	S.	18	SW.	0	6	3	6	4	23	11	3	4	2	1	13	17	24	18	2	2	0	7	0	0	7	0	0
February	2.6	NW.	18	N.	0	10	4	6	1	7	4	4	20	0	2	16	10	9	3	2	1	0	5	0	0	8	0	0
March	3.1	N.	15	SW.	0	9	5	4	4	7	9	7	14	3	6	16	9	13	8	1	0	0	3	0	0	5	0	0
April	3.3	N.	29	SW.	0	16	6	2	1	6	8	6	13	2	10	14	6	15	9	0	0	0	1	0	0	0	1	0
May	3.2	N.	20	W.	0	24	7	1	2	9	4	5	9	1	8	18	5	12	9	0	0	1	0	0	0	0	1	0
June	3.3	NW.	14	SW.	0	24	4	2	2	2	4	4	16	2	10	17	3	10	6	0	0	0	0	0	0	2	0	0
July	3.6	N.	15	W.	0	30	4	1	0	1	4	1	17	4	15	11	5	3	1	0	0	0	0	0	6	0	1	0
August	2.8	NW.	14	W.	0	27	3	0	1	0	0	4	14	13	17	8	6	2	2	0	0	0	0	0	8	0	3	0
September	2.6	N.	18	N.	0	24	5	0	2	2	3	1	12	11	17	7	6	5	4	0	0	0	4	0	4	0	2	0
October	2.0	NW.	17	SW.	0	12	7	3	4	7	8	3	14	4	7	12	12	13	12	0	0	0	10	0	0	0	0	0
November	1.8	N.	14	SW.	0	19	7	11	4	4	1	3	11	0	4	16	10	8	6	0	0	0	14	0	0	1	0	0
December	2.6	S.	22	SW.	0	8	6	9	7	14	6	2	10	0	3	10	18	17	14	4	3	0	11	0	0	10	0	0
Year	2.8	N.	29	SW.	0	209	61	45	32	82	62	43	154	42	100	158	107	131	92	9	6	1	55	0	20	31	8	0

ROSWELL, N. MEX.

[H_b=3,566 ft.; h_t=75 ft.; h_r=69 ft.; h_a=85 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	7.2	S.	46	NW.	1	10	3	6	4	20	3	4	12	0	15	12	4	2	2	0	0	0	0	0	0	17	1	0
February	8.0	S.	36	W.	0	15	3	3	6	16	3	4	6	0	10	7	11	8	7	4	3	0	1	2	0	14	2	0
March	10.6	S.	46	NE.	4	11	9	1	5	14	4	11	6	1	12	9	10	6	3	2	1	0	0	0	0	13	1	0
April	10.8	S.	48	NW.	1	9	2	4	7	13	7	10	7	1	12	10	8	7	3	0	0	2	0	0	0	0	4	0
May	9.7	S.	44	NE.	2	10	8	7	12	5	11	5	4	0	18	10	3	3	1	0	0	0	0	0	0	9	4	0
June	11.1	S.	52	W.	3	8	1	4	18	18	6	3	3	0	16	12	2	3	3	0	0	1	0	0	0	16	6	0
July	7.2	SE.	39	NW.	0	6	4	7	13	19	5	1	7	0	11	17	3	8	6	0	0	0	0	0	0	22	11	0
August	6.6	SE.	31	SE.	0	4	4	8	10	13	4	9	9	1	11	17	3	5	5	0	0	0	0	0	0	15	11	0
September	6.3	S.	30	NW.	0	15	3	3	11	8	9	3	7	1	10	10	1	6	6	0	0	2	0	0	2	0	10	0
October	8.1	S.	34	SE.	0	12	2	6	15	19	3	0	4	1	11	10	10	12	11	0	0	2	1	0	0	0	12	0
November	5.7	N.	32	E.	0	15	8	3	9	12	0	4	9	0	16	9	5	5	4	2	2	0	1	0	0	9	2	0
December	6.5	N.	33	NE.	0	14	10	2	9	11	5	5	15	0	11	4	16	9	5	8	8	0	1	8	0	23	0	0
Year	8.2	S.	52	W.	11	129	57	54	110	168	60	59	88	5	162	127	76	74	56	16	14	7	4	10	64	76	64	0

ROYAL CENTER, IND.

[H_b=736 ft.; h_t=11 ft.; h_r=3 ft.; h_a=55 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	12.3	W.	35	S.	0	2	0	4	5	2	5	7	6	0	5	6	20	15	11	11	7	0	2	7	0	27	0	0
February	11.9	W.	47	W.	2	1	1	1	4	7	3	5	6	0	4	6	18	13	7	16	7	0	4	16	0	27	0	0
March	14.0	SW.	50	W.	4	2	1	2	4	6	4	5	7	0	6	13	12	13	11	12	6	0	0	5	0	27	1	0
April	13.0	SW.	41	W.	1	2	6	4	2	5	5	4	2	0	8	8	14	7	6	3	2	0	0	0	0	10	2	0
May	12.3	E.	44	NW.	1	2	4	10	6	2	3	2	2	0	8	6	17	11	10	2	1	1	0	0	0	1	4	0
June	8.1	SW.	38	W.	0	2	1	4	3	3	10	2	3	2	5	16	9	7	7	0	0	0	0	0	6	0	9	0
July	7.0	SW.	40	NW.	1	4	4	6	6	3	7	0	1	0	9	12	10	8	8	0	0	0	2	0	5	0	8	0
August	6.8	SW.	37	S.	0	3	4	3	8	3	5	2	2	1	4	11	16	11	8	0	0	0	0	0	2	0	10	0
September	7.1	S.	25	W.	0	2	5	3	6	6	4	1	3	0	3	11	16	11	10	0	0	0	1	0	0	0	5	0
October	8.0	NW.	42	NW.	1	4	2	7	4	3	4	2	5	0	8	6	17	6	5	0	0	0	1	0	0	8	0	0
November	9.4	SE.	28	NW.	0	4	1	3	7	5	3	5	1	1	7	4	19	11	8	3	0	0	1	0	0	11	0	0
December	11.2	S.	39	W.	0	2	6	2	0	11	5	3	2	0	4	5	22	15	13	3	2	0	1	0	0	20	0	0
Year	10.1	SW.	50	W.	10	30	35	49	55	56	58	38	40	4	71	104	190	123	104	50	25	1	12	28	13	131	39	0

Annual meteorological summary for the year ending December 31, 1923—Continued

SACRAMENTO, CALIF.

[ϕ=38° 35′ N.; λ=121° 30′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	30.083	30.370	29.505	41.0	44.6	47.5	48.6	38.9	43.8	59	31	38	41	42	90	88	84	0.234	0.261	0.274	2.05	0.86	4.1	6.8	5.6	7.3
February	30.067	30.350	29.746	42.7	52.9	59.1	60.0	40.4	50.2	74	29	33	39	42	84	60	56	.235	.243	.277	.30	.27	1.7	2.5	2.7	3.0
March	30.029	30.350	29.713	46.8	61.7	67.9	68.5	44.2	56.4	85	35	38	35	34	71	40	32	.230	.210	.206	.43	.40	2.0	2.3	2.6	2.5
April	29.911	30.200	29.726	48.9	60.7	65.1	66.7	47.5	57.1	81	41	44	45	46	84	59	55	.290	.304	.319	2.87	.90	2.3	4.0	3.6	3.9
May	29.864	30.100	29.588	51.1	68.6	74.4	76.8	49.8	63.3	91	44	46	47	50	84	49	44	.311	.332	.363	.08	.08	1.3	1.6	1.7	1.8
June	29.812	30.050	29.618	53.4	71.4	77.0	79.1	52.7	65.9	97	48	46	47	46	76	46	37	.308	.338	.315	.09	.09	1.9	1.5	1.8	2.3
July	29.813	29.970	29.560	58.1	80.0	87.7	89.6	57.5	73.6	108	53	52	53	48	82	41	28	.391	.406	.344	.00	.00	.1	.2	.3	.2
August	29.838	30.010	29.697	59.6	78.3	86.9	88.5	58.5	73.5	102	53	53	54	51	81	45	31	.410	.428	.379	T.	T.	.5	.7	.9	.9
September	29.833	30.090	29.540	61.0	78.2	84.9	86.3	59.1	72.7	107	46	51	51	49	73	41	33	.380	.377	.357	.50	.39	1.7	1.6	1.4	1.9
October	29.905	30.120	29.711	54.2	67.4	72.8	74.5	51.7	63.1	82	44	47	50	46	78	54	40	.329	.363	.322	.58	.41	2.0	2.3	2.5	2.9
November	29.995	30.190	29.772	49.7	61.9	66.3	69.9	47.1	58.5	80	41	43	46	44	79	58	44	.283	.315	.300	.62	.49	1.7	2.2	1.7	2.2
December	30.083	30.530	29.740	40.7	47.6	52.1	53.3	38.0	45.6	62	32	36	38	39	84	73	64	.215	.235	.242	.94	.58	3.3	3.7	3.4	4.0
Year	29.936	30.530	29.505	50.6	64.4	70.3	71.8	48.8	60.3	108	29	44	46	45	80	54	46	.301	.318	.308	8.46	.90	1.9	2.4	2.4	2.7

SAGINAW, MICH.

[ϕ=43° 26′ N.; λ=83° 57′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.340	30.020	28.780	22.1	25.7	24.5	29.2	15.5	22.4	42	−5	19	20	20	85	78	82	0.104	0.110	0.109	0.91	0.24	8.9	9.0	7.9	8.9
February	29.422	29.870	28.910	14.3	20.6	19.2	24.8	9.5	17.2	40	−4	11	14	14	86	74	78	.075	.088	.087	.74	.26	7.3	6.8	6.4	7.0
March	29.288	29.850	28.290	24.4	28.3	27.5	34.5	17.5	26.0	54	−1	20	20	22	85	69	77	.114	.114	.123	1.96	.44	5.8	7.0	5.8	6.4
April	29.258	29.860	28.590	38.0	48.6	45.4	53.8	32.9	43.4	73	8	33	36	36	81	63	70	.196	.228	.222	1.31	.40	6.2	6.1	5.3	5.7
May	29.279	29.709	28.690	49.7	60.8	57.8	64.8	42.0	53.4	79	24	41	44	44	75	57	62	.268	.299	.295	4.29	1.54	4.3	4.3	4.1	4.1
June	29.257	29.570	28.830	65.4	77.3	73.5	81.5	58.4	70.0	96	42	58	59	60	77	55	64	.501	.517	.536	1.53	.40	4.5	5.8	5.5	5.0
July	29.335	29.600	29.070	66.6	76.5	74.1	80.8	59.8	70.3	93	54	60	62	62	78	62	67	.513	.557	.558	4.25	3.03	4.8	5.5	5.1	5.0
August	29.296	29.496	28.910	62.0	73.4	69.8	77.4	55.3	66.4	89	39	58	58	58	86	60	66	.490	.505	.489	2.98	1.35	5.2	6.6	5.8	5.6
September	29.399	29.770	29.020	56.3	67.1	62.4	70.0	52.2	61.1	84	39	54	55	56	91	67	80	.430	.454	.467	3.04	.93	5.5	6.9	5.8	6.4
October	29.448	29.820	28.560	42.0	54.7	49.9	57.8	39.2	48.5	76	27	39	43	42	89	66	74	.247	.291	.277	1.22	.52	5.7	6.6	4.7	5.9
November	29.361	29.800	28.790	33.9	41.7	39.6	44.8	30.4	37.6	62	21	32	35	35	92	77	83	.184	.205	.204	1.14	.44	5.4	7.0	6.4	6.7
December	29.305	29.830	28.560	32.6	37.8	35.6	41.4	29.2	35.3	55	16	31	32	32	92	80	85	.176	.186	.182	1.22	.41	6.8	8.2	6.8	7.7
Year	29.332	30.020	28.290	42.3	51.0	48.3	55.1	36.8	45.0	96	−5	38	40	40	85	67	74	.275	.296	.296	24.59	3.03	5.9	6.6	5.8	6.2

ST. JOSEPH, MO.

[ϕ=39° 49′ N.; λ=94° 51′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	28.985	29.570	28.490	31.1	40.6	38.7	45.4	27.7	36.6	62	18	25	25	26	77	56	63	0.132	0.137	0.144	0.26	0.11	4.1	5.5	4.7	5.5
February	29.175	29.840	28.450	23.2	31.0	31.7	37.8	19.7	28.8	56	−4	16	16	15	74	54	51	.101	.101	.096	.20	.08	5.5	4.2	3.2	4.4
March	28.971	29.540	28.100	30.9	40.9	40.3	48.4	26.3	37.4	76	−2	24	24	26	76	54	59	.133	.136	.143	2.63	1.06	5.2	5.0	4.8	4.7
April	28.896	29.221	28.250	45.9	58.4	53.7	64.6	43.1	53.8	82	24	36	38	40	71	50	53	.222	.246	.264	2.21	.84	5.4	4.7	3.7	4.8
May	28.858	29.182	28.290	54.7	67.8	67.0	72.2	52.1	62.2	85	35	48	48	47	78	51	52	.350	.357	.352	2.80	.77	5.1	5.4	4.6	4.7
June	28.880	29.184	28.500	67.7	78.5	78.5	82.9	65.4	74.2	98	53	62	63	63	84	61	60	.575	.586	.581	3.96	.89	4.9	4.4	3.8	4.7
July	28.953	29.150	28.785	71.5	85.3	84.4	89.3	69.0	79.2	96	58	65	65	65	81	52	54	.621	.622	.623	2.24	.85	3.5	3.0	2.6	3.1
August	28.933	29.200	28.708	68.3	81.6	80.5	86.4	66.0	76.2	98	50	63	64	65	85	57	60	.590	.604	.627	4.34	1.86	5.0	3.7	3.0	4.2
September	28.965	29.250	28.600	60.4	74.2	70.4	78.1	59.2	68.6	92	45	57	58	59	88	59	68	.474	.493	.510	5.02	1.42	4.9	5.2	4.5	4.7
October	29.119	29.440	28.535	45.3	57.9	54.1	61.2	43.6	52.4	77	26	41	40	42	86	54	65	.276	.268	.287	2.69	.78	4.6	4.7	4.3	4.6
November	29.041	29.310	28.640	37.6	51.0	47.5	54.2	35.8	45.0	69	20	33	35	34	83	56	62	.192	.212	.206	.68	.31	3.3	3.6	3.8	3.8
December	29.010	29.580	28.300	31.9	41.4	39.1	45.7	28.8	37.2	60	−2	27	29	28	80	62	65	.147	.163	.158	.35	.18	4.8	5.4	4.5	5.8
Year	28.982	29.840	28.100	47.4	59.0	57.6	63.8	44.7	54.3	98	−4	41	42	42	80	56	59	.318	.327	.333	27.38	1.86	4.7	4.6	4.0	4.6

ST. LOUIS, MO.

[ϕ=38° 38′ N.; λ=90° 12′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.449	30.020	28.950	36.4	41.3	42.1	46.3	32.7	39.5	82	24	29	30	32	74	64	68	0.161	0.168	0.184	2.68	0.91	5.8	7.3	5.4	6.7
February	29.626	30.250	29.000	26.1	32.6	32.4	38.1	22.7	30.4	54	1	20	18	21	76	56	63	.120	.118	.125	1.50	.79	6.4	6.1	5.3	6.0
March	29.434	30.020	28.340	35.2	45.9	44.8	52.2	30.7	41.4	77	4	27	29	30	71	54	59	.151	.175	.182	4.20	1.64	5.7	4.5	4.7	5.0
April	29.360	29.870	28.790	48.2	60.3	59.2	65.0	45.0	55.0	83	26	39	40	41	71	50	54	.248	.254	.269	3.20	1.94	4.9	5.7	4.5	5.1
May	29.284	29.560	28.680	58.8	67.9	67.2	72.6	55.6	64.1	84	38	50	52	52	73	58	61	.375	.410	.415	5.85	1.62	6.2	6.8	7.2	6.6
June	29.346	29.640	28.850	70.2	79.7	78.0	83.1	67.3	75.2	95	55	63	65	64	80	62	63	.590	.622	.598	4.33	.81	4.1	6.1	4.8	5.1
July	29.382	29.610	29.170	74.8	85.6	84.5	89.1	72.1	80.6	95	62	65	65	64	73	51	52	.622	.614	.613	1.83	1.48	3.9	4.7	4.3	4.4
August	29.370	29.560	29.150	71.3	83.3	81.0	86.5	69.3	77.9	98	56	65	68	67	81	61	64	.624	.690	.674	6.19	3.46	5.6	5.1	5.5	5.4
September	29.434	29.700	29.080	63.1	73.0	71.4	76.6	61.5	69.0	88	47	58	60	60	85	66	69	.508	.542	.542	3.51	1.08	5.4	6.2	5.4	6.5
October	29.545	29.870	28.870	49.1	59.2	57.3	62.6	47.2	54.9	79	29	42	43	42	76	58	60	.280	.299	.287	3.74	1.66	4.3	5.1	4.0	4.8
November	29.477	29.810	28.920	42.5	52.0	49.9	55.1	40.7	47.9	70	30	35	37	36	76	58	62	.211	.223	.221	1.90	1.03	4.6	4.6	5.4	4.9
December	29.448	30.050	28.870	40.2	46.5	45.6	51.8	37.0	44.4	70	11	35	36	36	80	69	69	.212	.230	.226	3.30	1.45	6.1	7.1	6.2	6.8
Year	29.430	30.250	28.340	51.3	60.6	59.4	64.9	48.5	56.7	98	1	44	45	45	76	59	62	.342	.362	.361	41.69	3.46	5.2	5.8	5.2	5.6

Annual meteorological summary for the year ending December 31, 1923—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	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorms	Auroras
	Miles		*Mi.*																									
January	5.9	SE.	32	SE.	0	14	5	2	16	6	4	3	11	1	4	11	16	9	8	0	0	0	11	0	0	2	0	0
February	7.4	N.	33	S.	0	15	3	4	13	3	2	1	14	1	18	7	3	3	2	0	0	1	3	0	0	1	0	0
March	9.1	NW.	39	NW.	0	10	2	1	11	8	2	3	25	0	22	6	3	2	1	1	0	0	0	0	0	0	0	0
April	8.0	S.	30	SE.	0	8	3	2	14	14	0	2	10	1	16	7	7	11	9	0	0	0	0	0	0	0	3	0
May	8.7	S.	24	S.	0	0	0	2	19	16	15	1	9	0	25	5	1	2	1	0	0	0	0	0	2	0	0	0
June	9.2	S.	25	SW.	0	0	0	1	20	22	9	1	7	0	24	5	1	1	1	0	0	0	0	0	4	0	0	0
July	9.1	S.	22	S.	0	0	0	1	20	30	7	0	3	1	31	0	0	0	0	0	0	0	0	0	16	0	0	0
August	8.1	S.	24	S.	0	2	0	1	23	28	3	1	2	2	28	2	1	0	0	0	0	0	0	0	11	0	0	0
September	7.4	S.	31	N.	0	6	3	1	15	20	6	0	7	2	24	5	1	5	3	0	0	0	0	0	11	0	0	0
October	6.5	NW.	24	NW.	0	5	2	2	13	11	5	1	16	7	21	8	2	4	2	0	0	0	0	0	0	0	0	0
November	5.4	N.	40	NW.	1	16	3	2	13	3	1	1	13	8	23	4	3	3	2	0	0	0	0	0	0	0	0	0
December	6.8	SE.	36	N.	0	11	4	4	18	6	4	1	11	3	18	6	7	6	4	0	0	0	4	0	0	1	0	0
Year	7.6	SE.	40	NW.	1	87	25	23	195	167	64	15	128	26	254	66	45	46	33	1	0	1	18	0	44	4	3	0

SAGINAW, MICH.

[H_b=641 ft.; h_t=69 ft.; h_r=62 ft.; h_a=77 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	8.9	NW.	29	SW.	0	3	11	5	10	4	4	6	19	0	0	6	25	16	9	24	16	0	0	25	0	31	0	0
February	9.3	NW.	31	W.	0	2	6	4	2	7	8	13	14	0	6	6	16	10	5	17	9	0	2	22	0	28	0	0
March	10.8	NW.	36	SE.	0	2	8	3	13	5	8	4	21	0	10	6	15	14	11	17	8	0	1	13	0	26	0	0
April	10.7	NW.	35	SE.	0	1	15	1	3	9	12	3	16	0	9	8	13	10	9	5	3	0	1	0	0	15	1	0
May	8.4	NE.	34	NE.	0	4	19	12	7	6	1	3	10	0	14	9	8	8	7	2	2	0	0	0	0	3	1	0
June	7.1	SW.	24	NW.	0	6	4	2	6	7	18	8	9	0	11	8	11	9	6	0	0	0	0	0	6	0	8	0
July	5.7	NE.	22	NE.	0	9	15	8	11	4	9	2	4	0	14	8	11	10	8	0	0	0	1	0	2	0	6	0
August	6.6	SW.	28	SW.	0	7	13	5	4	5	13	4	10	1	8	16	7	9	4	0	0	0	1	0	0	0	3	0
September	6.3	NE.	24	SW.	0	3	19	3	9	4	8	7	7	0	5	14	11	10	7	0	0	0	5	0	0	0	4	0
October	7.0	NW.	28	S.	0	3	2	2	8	5	17	8	17	0	8	10	13	8	4	8	1	0	0	0	0	4	0	0
November	8.2	SW.	30	SW.	0	6	3	6	3	12	13	5	12	0	8	5	17	0	7	3	0	0	4	0	0	19	0	0
December	9.9	SW.	32	W.	0	1	13	1	6	7	17	8	9	0	4	3	24	10	8	7	3	0	4	2	0	22	0	0
Year	8.2	NW.	36	SE.	0	47	128	52	82	75	126	71	148	1	97	97	171	123	85	78	42	0	19	62	8	148	23	0

ST. JOSEPH, MO.

[H_b=967 ft.; h_t=11 ft.; h_r=3 ft.; h_a=49 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	8.9	NW.	36	NW.	0	4	7	16	9	3	9	6	14	0	10	10	11	5	3	2	2	0	0	2	0	24	0	0
February	9.2	NW.	42	NW.	1	11	6	2	8	4	8	3	14	0	12	8	8	4	3	6	1	0	0	8	0	23	0	0
March	11.5	NW.	39	W.	0	5	6	8	7	5	11	4	16	0	17	3	11	11	8	9	7	0	0	2	0	24	3	0
April	10.4	NW.	38	NW.	0	4	12	5	9	8	9	1	12	0	13	11	6	10	8	2	0	1	0	0	0	3	4	0
May	8.7	SE.	37	NW.	0	3	9	11	18	4	1	1	15	0	14	10	7	16	13	1	0	0	0	0	0	0	8	0
June	7.7	SE.	43	NW.	1	3	5	4	17	14	6	4	7	0	12	12	6	12	10	0	0	0	0	0	8	0	11	0
July	5.4	SE	22	N.	0	0	9	13	13	9	11	3	3	1	18	11	2	8	7	0	0	0	0	0	15	0	7	0
August	6.0	SE.	30	NW.	0	2	17	9	14	6	8	0	6	0	13	15	3	17	13	0	0	0	1	0	11	0	15	0
September	6.7	SE.	33	NW.	0	5	8	10	20	4	4	1	6	2	12	10	8	12	10	0	0	0	1	0	1	0	8	0
October	6.3	SE.	31	NW.	0	3	8	6	16	5	3	2	17	2	14	6	11	8	7	1	0	0	1	0	0	7	1	0
November	6.9	NW.	26	NW.	0	6	9	4	9	7	9	3	13	0	18	3	9	4	4	1	1	0	1	0	0	11	0	0
December	8.0	NW.	31	NW.	0	4	6	3	8	10	12	0	19	0	12	6	13	6	5	2	1	0	2	1	0	20	0	0
Year	8.0	SE.	43	NW.	2	50	102	85	148	79	91	28	142	5	165	105	95	113	91	24	12	1	6	13	35	112	57	0

ST. LOUIS, MO.

[H_b=568 ft.; h_t=265 ft.; h_r=258 ft.; h_a=303 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	14.4	S.	44	S.	3	4	4	6	2	22	4	5	15	0	5	11	15	8	7	0	0	0	2	0	0	16	2	0
February	12.5	NW.	44	W.	1	9	3	2	1	14	5	2	20	0	8	7	13	10	8	4	3	0	4	10	0	25	1	0
March	16.1	S.	64	SW.	9	3	6	3	6	16	7	5	16	0	12	9	10	11	7	6	3	0	1	1	0	16	2	0
April	14.2	S.	50	S.	4	4	10	6	3	15	7	6	9	0	7	19	4	11	8	1	0	0	0	0	0	2	3	0
May	12.3	E.	54	SE.	4	4	7	19	10	10	2	0	10	0	5	13	13	14	9	1	0	0	0	0	0	0	6	0
June	11.1	S.	38	SW.	0	6	5	9	3	25	5	1	6	0	10	11	9	10	9	0	0	0	0	0	3	0	10	0
July	8.5	S.	27	S.	0	1	13	7	5	13	10	7	6	0	12	15	4	7	3	0	0	0	0	0	16	0	5	0
August	8.8	S.	44	W.	1	7	10	8	4	11	10	7	5	0	10	10	11	12	11	0	0	0	1	0	7	0	11	0
September	10.0	S.	32	SW.	0	4	6	10	6	18	8	4	8	1	7	6	17	13	10	0	0	0	1	0	0	0	11	0
October	9.7	NW.	38	N.	0	6	12	9	4	5	2	3	21	0	13	8	10	7	6	0	0	0	1	0	0	1	2	0
November	11.9	NW.	42	SW.	1	4	5	6	5	13	6	6	15	0	12	7	11	6	5	1	0	0	0	0	0	1	0	0
December	13.2	S.	49	W.	2	10	1	1	2	20	7	9	12	0	9	4	18	10	8	5	2	0	2	0	0	8	0	0
Year	11.9	S.	64	SW.	25	62	82	86	51	182	73	55	138	1	119	120	135	119	91	18	8	0	12	11	31	69	53	0

Annual meteorological summary for the year ending December 31, 1923—Continued

ST. PAUL, MINN.

[ϕ=44° 58′ N.; λ=93° 03′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Dew point: 8 a. m.	Dew point: Noon, local time	Dew point: 8 p. m.	Relative humidity: 8 a. m.	Relative humidity: Noon, local time	Relative humidity: 8 p. m.	Vapor pressure: 8 a. m.	Vapor pressure: Noon, local time	Vapor pressure: 8 p. m.	Precipitation: Total	Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.114	29.680	28.510	15.2	19.8	----	25.5	9.8	17.6	43	−3	10	13	----	80	72	----	0.071	0.079	----	1.12	0.39	7.2	7.4	----	7.3
February	29.271	29.880	28.740	4.1	12.5	----	19.5	0.0	9.8	44	−25	−2	3	----	76	62	----	.047	.055	----	.50	.24	3.5	6.0	----	4.7
March	29.112	29.700	28.449	16.3	24.9	----	30.7	11.3	21.0	56	−9	10	13	----	75	58	----	.078	.084	----	1.35	.35	5.5	6.5	----	5.4
April	29.040	29.469	28.450	36.8	47.8	----	53.1	34.3	43.7	81	15	30	30	----	76	52	----	.176	.175	----	2.20	1.20	5.0	5.0	----	4.9
May	29.051	29.470	28.630	51.9	63.4	----	68.9	48.4	58.6	83	30	42	40	----	68	46	----	.272	.270	----	2.28	.64	4.5	5.3	----	4.3
June	29.025	29.410	28.680	64.5	75.7	----	80.2	59.8	70.0	91	48	58	60	----	80	59	----	.495	.531	----	4.28	2.16	4.7	5.6	----	4.1
July	29.088	29.320	28.880	68.3	81.7	----	85.8	64.7	75.2	96	54	61	60	----	78	50	----	.539	.538	----	2.51	.91	4.8	5.8	----	3.7
August	29.097	29.375	28.770	59.4	72.2	----	76.7	57.1	66.9	88	45	53	52	----	79	51	----	.407	.400	----	1.92	1.36	5.3	5.6	----	5.0
September	29.115	29.420	28.860	54.6	67.7	----	72.1	52.7	62.4	87	33	48	50	----	81	54	----	.360	.382	----	1.10	.43	5.6	5.4	----	5.1
October	29.238	29.520	28.610	39.7	52.0	----	56.4	38.0	47.2	77	19	33	32	----	78	49	----	.203	.197	----	2.00	.93	4.8	5.4	----	4.8
November	29.116	29.400	28.590	32.1	42.5	----	46.7	29.9	38.3	60	16	26	27	----	77	55	----	.145	.153	----	.35	.19	5.2	5.2	----	5.2
December	29.094	29.620	28.240	25.2	33.0	----	37.6	21.1	29.4	54	−11	19	20	----	75	59	----	.109	.114	----	.66	.22	5.3	6.3	----	5.8
Year	29.113	29.880	28.240	39.0	49.4	----	54.4	35.6	45.0	96	−25	32	33	----	77	56	----	.242	.248	----	20.25	2.16	5.1	5.8	----	5.0

SALT LAKE CITY, UTAH

[ϕ=40° 46′ N.; λ=111° 54′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Dew point: 8 a. m.	Dew point: Noon, local time	Dew point: 8 p. m.	Relative humidity: 8 a. m.	Relative humidity: Noon, local time	Relative humidity: 8 p. m.	Vapor pressure: 8 a. m.	Vapor pressure: Noon, local time	Vapor pressure: 8 p. m.	Precipitation: Total	Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	25.650	26.060	25.286	32.9	39.4	37.4	42.8	29.3	36.0	57	21	23	24	25	68	56	62	0.123	0.128	0.134	1.90	0.84	5.7	6.9	6.6	6.7
February	25.751	26.060	25.060	23.1	30.2	30.1	33.2	20.0	26.6	44	4	18	20	22	81	66	69	.100	.110	.115	.35	.13	4.4	4.0	3.8	5.1
March	25.652	26.040	25.260	32.9	40.5	41.4	44.9	29.0	37.0	66	13	22	22	23	63	48	48	.113	.116	.123	1.67	.49	5.5	6.3	5.4	5.5
April	25.530	25.780	25.120	42.4	51.7	51.6	55.6	38.6	47.1	70	32	31	32	33	67	50	52	.176	.180	.191	3.56	.70	7.1	6.8	6.2	6.8
May	25.523	25.920	25.150	52.2	63.8	66.5	68.7	50.2	59.4	84	35	37	36	36	58	39	34	.225	.216	.214	1.91	.62	5.1	4.3	4.9	4.8
June	25.514	25.790	25.256	56.7	70.5	72.1	75.2	53.2	64.2	92	41	39	39	38	53	34	31	.238	.240	.237	1.39	.49	4.1	3.7	3.7	3.5
July	25.612	25.770	25.352	69.7	84.7	84.5	88.9	67.7	78.3	95	62	48	49	48	48	31	30	.344	.358	.345	.21	.14	4.8	3.3	4.5	4.4
August	25.637	25.780	25.450	64.3	80.4	80.5	84.6	61.4	73.0	90	52	45	45	44	51	31	31	.305	.307	.309	2.41	1.23	2.7	3.4	4.1	3.5
September	25.642	25.820	25.310	56.6	70.8	71.4	75.1	53.3	64.2	91	36	38	38	38	52	35	34	.235	.239	.230	1.41	.70	3.9	4.1	5.2	4.5
October	25.649	25.950	25.170	42.2	54.1	52.4	54.7	40.0	48.7	72	32	32	33	34	69	46	52	.166	.191	.201	2.18	.75	4.5	4.8	4.7	5.0
November	25.736	25.980	25.300	38.5	49.0	46.1	51.6	34.9	43.2	65	26	28	30	34	64	50	53	.149	.169	.194	1.05	.36	2.7	3.2	3.9	3.4
December	25.710	26.180	25.157	26.7	31.9	31.5	35.9	22.7	29.3	54	12	21	24	23	80	71	71	.113	.124	.121	.92	.38	6.3	5.3	6.5	6.8
Year	25.634	26.180	25.060	44.8	55.6	55.5	59.3	41.7	50.6	95	4	32	33	33	63	46	48	.192	.198	.200	18.96	1.23	4.7	4.7	5.0	5.0

SAN ANTONIO, TEX.

[ϕ=29° 27′ N.; λ=98° 28′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Dew point: 8 a. m.	Dew point: Noon, local time	Dew point: 8 p. m.	Relative humidity: 8 a. m.	Relative humidity: Noon, local time	Relative humidity: 8 p. m.	Vapor pressure: 8 a. m.	Vapor pressure: Noon, local time	Vapor pressure: 8 p. m.	Precipitation: Total	Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.344	29.870	29.000	53.6	66.8	67.4	72.6	51.4	62.0	86	38	45	46	45	76	52	49	0.339	0.350	0.336	0.46	0.22	4.4	4.3	3.2	4.2
February	29.423	29.850	29.010	47.5	55.4	54.8	59.8	44.3	52.0	82	24	44	45	45	89	73	73	.316	.329	.323	5.47	2.04	8.1	7.5	8.0	8.0
March	29.309	29.830	28.743	51.9	60.3	63.9	69.4	47.9	58.6	82	28	44	41	40	74	50	47	.315	.299	.286	3.07	2.53	5.6	5.2	4.6	5.2
April	29.186	29.570	28.920	61.7	73.5	74.2	78.2	60.1	69.2	91	47	58	57	58	87	60	61	.494	.478	.505	3.24	1.78	6.5	5.9	5.1	5.9
May	29.110	29.530	28.737	68.4	82.1	83.9	88.4	65.9	77.2	96	58	61	61	60	79	50	46	.560	.556	.540	1.33	.52	4.5	3.3	3.4	3.7
June	29.171	29.370	28.990	74.6	87.6	88.1	93.0	73.4	83.2	99	68	70	67	66	85	52	49	.728	.670	.650	.79	.68	5.7	4.1	3.8	4.4
July	29.248	29.440	29.080	74.6	87.8	89.6	93.9	73.3	83.6	99	65	70	66	66	86	50	45	.731	.650	.612	2.54	1.90	4.8	3.6	3.0	4.1
August	29.243	29.430	29.000	74.9	88.0	89.5	94.7	73.6	84.2	99	60	71	66	64	88	48	46	.756	.646	.605	2.94	2.92	5.5	3.1	2.8	3.7
September	29.257	29.400	29.060	71.8	83.5	80.8	87.8	70.7	79.2	93	62	69	68	67	91	61	66	.714	.687	.673	2.98	1.55	7.6	5.5	4.5	6.0
October	29.307	29.690	28.930	61.0	73.6	70.7	76.7	59.3	68.0	92	44	57	57	57	87	59	64	.483	.492	.483	1.39	.70	5.8	5.7	5.6	5.8
November	29.382	29.630	29.020	52.2	62.9	61.5	66.4	51.0	58.7	80	36	48	48	48	86	62	65	.342	.354	.356	4.21	2.66	6.2	5.8	6.5	6.1
December	29.350	29.850	28.940	52.3	56.6	56.7	62.1	49.1	55.6	78	32	49	48	48	88	74	75	.371	.356	.367	4.29	1.83	7.5	5.0	6.2	7.5
Year	29.278	29.870	28.737	62.0	73.3	73.4	78.6	60.0	69.3	99	24	57	56	55	85	58	57	.512	.489	.478	32.71	2.92	6.0	5.2	4.7	5.4

SAN DIEGO, CALIF.

[ϕ=32° 43′ N.; λ=117° 10′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Dew point: 8 a. m.	Dew point: Noon, local time	Dew point: 8 p. m.	Relative humidity: 8 a. m.	Relative humidity: Noon, local time	Relative humidity: 8 p. m.	Vapor pressure: 8 a. m.	Vapor pressure: Noon, local time	Vapor pressure: 8 p. m.	Precipitation: Total	Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.944	30.170	29.760	50.7	62.4	59.7	64.4	48.2	56.3	85	40	42	45	48	78	57	69	0.282	0.305	0.343	1.34	0.57	4.8	4.7	4.7	4.7
February	29.978	30.180	29.780	49.1	60.5	58.9	63.3	47.1	55.2	79	38	42	44	47	79	58	66	.278	.299	.322	1.53	1.02	4.8	4.2	4.6	4.8
March	29.941	30.230	29.655	51.2	64.7	62.5	67.4	49.4	58.4	82	40	43	47	48	75	57	64	.283	.332	.347	.34	.27	3.1	2.5	2.9	2.9
April	29.902	30.130	29.680	55.2	62.1	60.8	64.2	53.9	59.0	69	48	51	53	52	86	72	74	.378	.401	.392	1.05	.37	7.7	5.4	6.1	6.3
May	29.811	29.940	29.594	58.1	66.0	65.5	69.0	57.4	63.2	83	53	53	55	56	85	68	70	.409	.432	.443	.00	.00	6.7	2.5	2.8	3.2
June	29.804	29.903	29.669	58.3	64.9	64.1	67.0	57.6	62.3	73	53	53	54	55	93	69	72	.406	.426	.428	.04	.04	8.7	2.9	3.3	3.9
July	29.822	29.990	29.700	62.8	69.3	68.7	72.1	62.0	67.0	77	58	60	61	60	91	74	75	.517	.532	.523	.01	.01	8.8	3.4	3.1	4.3
August	29.832	29.990	29.710	63.9	70.1	69.0	72.5	63.1	67.8	78	59	60	62	61	89	75	76	.526	.550	.539	T.	T.	9.8	1.7	2.4	3.6
September	29.828	30.010	29.628	63.6	71.5	70.0	74.0	62.5	68.2	85	53	60	61	62	87	71	76	.517	.544	.552	.03	.02	6.5	3.5	3.3	3.6
October	29.830	29.990	29.582	59.2	69.8	66.6	71.8	57.1	64.4	91	51	50	54	56	75	59	70	.371	.416	.453	.37	.31	4.3	2.7	2.9	2.9
November	29.893	30.060	29.650	56.6	70.9	66.8	73.0	54.9	64.0	84	47	44	48	52	65	48	62	.292	.345	.398	.16	.15	2.2	3.1	3.4	2.8
December	29.940	30.150	29.601	52.2	63.6	60.4	65.6	49.3	57.4	75	41	39	40	44	64	45	61	.251	.261	.315	1.65	.83	3.8	4.5	4.2	4.2
Year	29.877	30.230	29.582	56.7	66.3	64.4	68.7	55.2	61.9	91	38	50	52	53	80	63	70	.376	.404	.421	6.52	1.02	5.9	3.4	3.6	3.9

Annual meteorological summary for the year ending December 31, 1923—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	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorms	Auroras
	Miles		*Mi.*																									
January	11.7	SE.	45	NW.	1	1	3	2	10	2	3	4	6	0	2	12	17	13	6	19	12	0	0	26	0	31	0	0
February	14.3	W.	60	SW.	3	1	0	3	5	2	2	9	6	0	7	17	4	5	3	13	5	0	0	22	0	28	0	0
March	15.0	NW.	48	NW.	7	6	1	0	7	0	7	1	9	0	8	13	10	9	7	15	9	0	0	18	0	30	0	0
April	12.4	SE.	50	S.	2	2	2	3	7	4	4	2	6	0	15	7	8	9	8	5	4	0	1	1	0	16	1	0
May	11.1	SE.	60	S.	3	3	0	2	14	2	2	0	8	0	11	16	4	10	8	2	1	0	0	0	0	2	5	0
June	10.4	SE.	52	W.	4	3	1	0	11	6	3	3	3	0	12	16	2	13	10	0	0	0	0	0	2	0	10	0
July	8.5	SE.	52	NW.	3	1	1	2	8	3	7	3	6	0	15	14	2	7	6	0	0	0	0	0	6	0	4	0
August	9.1	NW.	37	SW.	0	3	1	3	6	2	8	1	7	0	7	19	5	10	7	0	0	0	1	0	0	0	3	0
September	11.6	SE.	43	SE.	2	3	2	3	14	1	1	3	3	0	8	17	5	11	10	0	0	0	0	0	0	0	2	0
October	11.7	NW.	34	NW.	0	1	1	2	10	1	4	2	10	0	12	11	8	7	6	2	0	0	0	1	0	7	1	0
November	12.9	SW.	47	NW.	1	0	0	0	8	2	9	0	11	0	11	8	11	4	2	3	1	0	0	1	0	20	0	0
December	11.9	SW.	48	NW.	1	0	0	2	7	2	9	3	8	0	10	9	12	5	4	3	2	0	1	5	0	27	0	0
Year	11.7	SE.	60	SW.	27	24	12	22	107	27	59	31	83	0	118	159	88	103	77	62	34	0	3	74	8	161	26	0

SALT LAKE CITY, UTAH

[H_b=4,360 ft.; h_t=163 ft.; h_r=156 ft.; h_a=203 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	6.3	NW.	30	S.	0	6	5	3	14	7	4	4	17	0	8	7	16	12	9	10	9	0	1	1	0	21	0	0
February	4.9	NW.	39	W.	0	4	6	3	9	4	5	2	18	5	12	6	10	6	3	7	6	0	5	12	0	28	0	0
March	8.0	NW.	42	NW.	1	6	4	3	5	9	9	3	22	1	11	8	12	9	7	14	7	0	0	3	0	23	0	0
April	8.4	NW.	54	NW.	3	10	5	5	8	9	4	2	17	0	6	7	17	16	13	8	2	1	0	0	0	2	3	0
May	8.1	NW.	46	N.	1	9	8	4	8	12	1	1	19	0	13	10	8	10	8	0	0	1	0	0	0	0	3	0
June	8.3	NW.	38	SW.	0	6	6	4	12	6	2	5	19	0	18	5	7	8	6	0	0	1	0	0	3	0	7	0
July	8.2	SE.	33	S.	0	6	4	8	18	13	3	0	9	1	14	7	10	5	2	0	0	0	0	0	15	0	8	0
August	6.9	SW.	60	W.	3	5	6	2	11	11	4	1	21	1	16	11	4	6	4	0	0	2	0	0	3	0	8	0
September	7.4	SE.	42	S.	1	3	4	7	13	11	5	3	13	1	14	7	9	5	5	0	0	1	0	0	1	0	5	0
October	7.2	NW.	34	E.	0	9	2	7	12	4	3	1	24	0	13	7	11	11	10	1	1	0	0	0	0	2	2	0
November	5.4	NW.	31	E.	0	9	4	9	14	9	0	1	14	0	19	5	6	5	4	3	2	0	0	0	0	7	0	0
December	5.6	NW.	38	NE.	0	7	6	3	12	9	9	4	10	2	8	4	19	6	5	11	6	0	2	13	0	31	0	0
Year	7.1	NW.	60	W.	9	80	60	60	136	104	49	27	203	11	152	84	129	99	76	54	33	6	8	29	22	114	36	0

SAN ANTONIO, TEX.

[H_b=693 ft.; h_t=119 ft.; h_r=112 ft.; h_a=132 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	8.3	S.	32	N.	0	10	4	4	12	13	8	1	10	0	15	6	10	6	3	0	0	0	3	0	0	0	1	0
February	8.6	NE.	38	N.	0	10	27	1	4	5	3	1	5	0	3	4	21	16	13	2	2	0	3	1	0	5	3	0
March	10.4	NE.	48	NW.	3	11	16	4	11	12	2	0	6	0	13	6	12	5	3	0	0	1	0	0	0	2	2	0
April	8.3	SE.	34	NW.	0	6	10	9	20	3	3	2	7	0	9	8	13	11	9	0	0	0	1	0	1	0	7	0
May	8.6	SE.	44	NW.	1	7	9	17	14	9	0	1	4	1	15	13	3	8	5	0	0	1	0	0	13	0	4	0
June	8.8	SE.	31	E.	0	0	1	15	34	7	2	0	0	1	11	17	2	8	5	0	0	0	0	0	28	0	7	0
July	6.7	SE.	48	SE.	1	2	0	17	25	13	1	3	0	1	13	15	3	6	3	0	0	0	0	0	26	0	6	0
August	7.1	SE.	31	W.	0	2	6	10	37	6	1	0	0	0	15	15	1	3	2	0	0	0	0	0	30	0	1	0
September	6.3	SE.	28	N.	0	4	15	10	16	12	0	1	1	1	7	13	10	10	8	0	0	0	0	0	6	0	7	0
October	7.8	NE.	40	N.	1	19	22	9	4	3	0	1	4	0	10	8	13	10	9	0	0	0	0	0	1	0	1	0
November	6.8	N.	26	N.	0	13	9	11	0	6	2	3	15	1	7	9	14	9	8	0	0	0	0	0	0	0	1	0
December	7.2	NE.	30	NW.	0	9	18	1	7	10	4	1	12	0	2	12	17	15	10	0	0	0	3	0	0	2	0	0
Year	7.9	SE.	48	NW.	6	93	137	108	184	99	26	14	64	5	120	126	119	109	78	2	2	2	10	1	105	9	40	0

SAN DIEGO, CALIF.

[H_b=87 ft.; h_t=62 ft.; h_r=55 ft.; h_a=70 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	5.0	NW.	25	S.	0	5	3	10	5	5	5	7	20	2	15	7	9	6	4	0	0	1	3	0	0	0	0	0
February	5.7	NW.	26	S.	0	5	4	11	1	0	8	4	23	0	11	0	11	7	6	0	0	0	0	0	0	0	0	0
March	6.0	NW.	26	W.	0	6	9	7	2	5	4	8	19	2	22	2	7	4	2	0	0	0	2	0	0	0	0	0
April	6.7	W.	25	W.	0	5	3	0	4	5	9	21	12	0	5	13	12	10	5	0	0	0	0	0	0	0	0	0
May	7.1	W.	24	S.	0	3	2	3	4	7	11	17	14	1	23	4	4	0	0	0	0	0	4	0	0	0	0	0
June	7.0	W.	18	W.	0	4	2	2	5	8	5	23	9	2	14	10	6	2	0	0	0	0	1	0	0	0	0	0
July	6.1	W.	19	S.	0	3	1	0	1	7	10	21	18	1	13	14	4	1	0	0	0	0	1	0	0	0	0	0
August	5.8	W.	18	NW.	0	6	1	2	1	7	14	19	12	0	18	10	3	0	0	0	0	0	0	0	0	0	0	0
September	5.9	NW.	20	NW.	0	2	3	1	1	6	6	15	23	3	17	7	6	2	0	0	0	0	2	0	0	0	3	0
October	5.3	NW.	24	W.	0	5	11	6	1	7	11	9	11	1	20	8	3	2	2	0	0	0	2	0	1	0	0	0
November	4.9	NW.	26	E.	0	8	9	7	4	1	6	5	20	0	19	8	3	2	1	0	0	0	2	0	0	0	0	0
December	6.5	E.	35	NW.	0	8	9	10	2	3	6	8	16	0	14	10	7	8	7	0	0	0	0	0	0	0	0	0
Year	6.0	NW.	35	NW.	0	61	57	59	31	61	95	157	197	12	191	99	75	44	27	0	0	1	17	0	1	0	3	0

Annual meteorological summary for the year ending December 31, 1923—Continued

SAND KEY, FLA.

[ϕ=24° 27′ N.; λ=81° 52′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	30.117	30.430	29.950	73.4	71.2	71.3	73.5	68.0	70.8	78	60	62	62	62	76	74	74	0.567	0.577	0.575	0.27	0.18	3.5	3.4	1.5	3.2
February	30.127	30.200	29.970	71.4	72.1	72.1	73.5	69.4	71.4	78	58	64	64	64	78	75	76	.612	.602	.613	.24	.13	4.0	3.2	2.8	3.4
March	30.054	30.200	29.850	74.3	74.9	74.4	76.2	72.1	74.2	82	64	66	66	66	76	73	76	.644	.636	.650	.36	.16	3.1	2.4	1.6	2.4
April	29.981	30.150	29.790	76.2	77.3	76.3	79.1	74.1	76.6	84	66	68	68	68	76	74	76	.689	.699	.687	.83	.75	2.3	2.6	1.9	2.4
May	29.898	30.090	29.700	77.7	78.7	78.1	79.9	74.6	77.2	85	65	71	71	71	79	78	79	.755	.762	.762	3.53	2.05	3.5	3.9	4.1	3.8
June	29.988	30.110	29.890	81.1	81.7	80.9	83.1	77.6	80.4	88	69	74	74	73	78	78	77	.827	.839	.811	2.36	1.00	5.3	5.5	5.9	5.6
July	30.013	30.100	29.910	81.3	82.1	81.8	83.9	78.1	81.0	88	71	73	74	74	77	76	77	.821	.827	.837	1.10	.40	5.4	4.6	4.8	4.9
August	30.025	30.150	29.910	82.1	82.7	81.9	83.9	78.3	81.1	86	70	74	74	74	75	75	76	.823	.851	.826	3.43	.91	5.0	4.8	4.0	4.6
September	29.942	30.140	29.750	81.5	82.4	81.3	84.0	78.1	81.0	85	71	74	74	74	78	77	78	.834	.847	.826	1.58	.58	5.1	4.5	4.4	4.9
October	29.920	30.100	29.650	76.9	78.0	77.6	79.4	74.5	77.0	88	65	69	69	68	76	73	74	.715	.710	.703	4.15	2.99	6.2	5.8	4.1	5.5
November	30.020	30.170	29.870	70.5	71.9	71.8	73.5	68.8	71.2	81	60	63	64	63	79	77	75	.594	.606	.596	.50	.24	4.9	4.0	3.5	4.1
December	30.085	30.250	29.860	72.0	73.1	72.9	74.8	69.6	72.2	78	60	65	65	65	78	75	76	.613	.616	.620	.48	.17	4.4	3.7	3.5	3.9
Year	30.014	30.430	29.650	76.5	77.2	76.7	78.7	73.6	76.2	88	58	69	69	68	77	75	76	.708	.713	.709	18.83	2.99	4.4	4.0	3.5	4.1

SANDUSKY, OHIO

[ϕ=41° 25′ N.; λ=82° 40′ W.]

Month	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
January	29.358	30.030	28.770	28.7	31.9	----	35.8	25.2	30.5	53	6	24	25	----	82	74	----	0.132	0.138	----	2.50	0.49	8.7	8.8	----	8.6
February	29.472	29.860	28.910	20.7	26.1	----	31.1	17.6	24.4	46	4	16	18	----	82	71	----	.099	.107	----	1.21	.65	8.5	7.8	----	8.1
March	29.312	29.850	28.480	31.3	36.8	----	44.1	25.8	35.0	62	11	25	26	----	77	64	----	.144	.147	----	2.22	.63	6.8	7.2	----	6.7
April	29.303	29.922	28.730	42.5	51.0	----	55.8	38.0	46.9	79	14	34	38	----	73	63	----	.201	.236	----	1.86	.97	6.0	6.0	----	5.7
May	29.269	29.680	28.590	53.2	56.9	----	61.0	46.9	54.0	78	32	45	47	----	76	70	----	.313	.328	----	3.19	1.43	4.8	5.5	----	5.3
June	29.291	29.580	28.870	69.3	77.1	----	80.3	63.2	71.8	94	51	60	61	----	74	59	----	.537	.552	----	2.21	.83	4.3	5.1	----	5.2
July	29.347	29.597	29.050	71.2	77.4	----	80.0	65.9	73.0	92	57	61	62	----	71	60	----	.545	.566	----	2.32	1.37	5.2	5.0	----	5.1
August	29.322	29.520	29.030	66.8	75.0	----	78.1	62.5	70.3	87	48	57	58	----	72	56	----	.483	.497	----	3.59	1.70	5.2	5.7	----	5.1
September	29.412	29.780	29.030	62.0	69.3	----	72.0	58.5	65.2	88	41	56	56	----	81	65	----	.466	.479	----	3.26	1.07	6.5	7.3	----	6.8
October	29.465	29.830	28.690	47.7	56.7	----	59.9	44.5	52.2	80	31	40	41	----	77	58	----	.258	.261	----	1.79	.99	5.9	6.1	----	5.9
November	29.392	29.810	28.880	38.7	44.1	----	47.5	36.3	41.9	62	27	34	37	----	84	76	----	.203	.222	----	1.77	.49	6.4	7.3	----	7.1
December	29.336	29.980	28.610	37.0	41.2	----	45.5	33.8	39.6	57	24	33	34	----	86	77	----	.196	.202	----	4.08	.95	7.1	7.5	----	7.7
Year	29.357	30.030	28.480	47.4	58.6	----	57.6	43.2	50.4	94	4	40	42	----	78	66	----	.298	.311	----	40.00	1.70	6.3	6.6	----	6.4

SANDY HOOK, N. J.

[ϕ=40° 28′ N.; λ=74° 01′ W.]

Month	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
January	30.040	30.800	29.420	30.4	32.8	32.1	36.4	26.5	31.4	54	15	24	25	23	76	72	69	0.135	0.143	0.130	5.44	1.68	7.0	6.5	5.6	6.7
February	30.098	30.588	29.585	24.2	27.9	27.7	31.6	21.2	26.4	42	11	18	19	20	76	69	70	.106	.112	.111	2.30	.93	6.7	7.0	4.6	6.9
March	30.007	30.750	29.000	33.4	38.9	36.5	43.7	29.2	36.4	73	13	28	31	30	79	74	78	.161	.185	.177	3.56	.90	5.9	5.6	4.2	5.8
April	29.945	30.650	29.320	45.4	52.0	48.8	55.9	40.5	48.2	80	14	37	40	39	73	65	71	.231	.259	.248	2.33	1.23	4.1	4.5	5.3	5.0
May	29.930	30.303	29.380	55.1	61.6	57.1	65.5	50.4	58.0	82	40	46	48	48	73	64	71	.322	.344	.335	1.32	.70	3.7	3.8	3.7	3.6
June	29.859	30.190	29.330	67.8	75.9	69.6	79.6	62.4	71.0	96	52	60	62	61	75	63	74	.519	.562	.540	.95	.54	3.7	3.6	5.9	4.5
July	29.977	30.380	29.610	69.0	76.0	71.4	78.2	65.6	71.9	94	58	62	63	63	79	66	76	.559	.584	.577	2.29	.88	5.4	4.6	5.3	5.2
August	29.957	30.180	29.570	68.5	74.8	71.0	77.6	65.1	71.4	88	56	61	61	63	77	64	77	.544	.558	.595	1.96	1.04	3.8	3.5	4.2	3.9
September	30.082	30.490	29.730	65.1	70.8	67.5	73.6	62.7	68.2	83	52	58	58	59	79	67	76	.498	.511	.523	3.62	1.65	5.2	4.2	4.4	4.9
October	30.080	30.383	29.600	52.9	59.2	56.6	62.0	50.4	56.2	71	42	46	48	48	78	67	74	.317	.329	.343	4.10	3.03	4.0	4.3	3.6	4.6
November	30.048	30.600	29.390	43.1	47.5	46.0	50.4	40.9	45.6	60	32	36	36	37	76	65	72	.219	.217	.229	1.80	1.06	5.5	5.5	3.9	5.6
December	30.032	30.820	29.250	40.2	44.2	43.0	47.1	38.1	42.6	64	28	34	35	36	77	70	75	.200	.212	.217	3.57	1.25	5.9	5.8	4.6	5.0
Year	30.005	30.820	29.000	49.6	55.1	52.3	58.5	46.1	52.3	96	11	42	44	44	76	67	74	.318	.336	.335	33.24	3.03	5.1	4.9	4.6	5.2

SAN FRANCISCO, CALIF.

[ϕ=37° 48′ N.; λ=122° 26′ W.]

Month	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
January	29.964	30.250	29.390	45.3	49.1	50.7	53.1	43.1	48.1	58	36	42	42	42	88	77	74	0.287	0.269	0.274	2.84	0.82	3.5	5.9	5.3	6.0
February	29.964	30.220	29.623	46.8	54.0	55.5	59.0	45.3	52.2	73	38	40	39	39	81	59	57	.257	.241	.247	.77	.35	3.2	4.1	3.8	3.6
March	29.951	30.240	29.626	47.2	60.5	59.0	64.9	48.6	56.8	84	44	42	37	40	75	46	51	.268	.234	.250	.03	.02	3.0	3.0	3.7	2.8
April	29.837	30.100	29.630	50.7	59.0	58.0	62.5	49.7	56.1	79	46	46	47	47	86	66	67	.316	.324	.320	3.92	2.05	5.3	4.3	4.0	4.2
May	29.833	30.010	29.550	51.0	61.4	58.4	64.1	50.4	57.2	81	47	46	47	47	85	61	67	.316	.328	.320	.06	.06	5.5	1.7	2.5	2.8
June	29.778	30.000	29.567	51.9	60.1	59.3	63.1	51.3	57.2	69	49	49	49	49	90	67	69	.345	.348	.348	.06	.05	6.2	3.7	3.9	4.4
July	29.791	29.930	29.510	55.0	64.3	63.1	67.4	54.2	60.8	82	51	52	52	52	90	65	68	.366	.390	.389	.00	.00	6.4	1.6	1.0	2.6
August	29.804	29.970	29.670	56.2	65.4	63.3	68.1	55.3	61.7	83	52	54	55	54	93	70	73	.417	.438	.423	.01	.01	8.0	2.6	2.9	4.3
September	29.778	30.010	29.460	57.8	68.8	65.6	71.6	56.3	64.0	87	52	54	52	52	87	58	65	.412	.394	.396	.44	.43	6.2	1.7	3.0	3.1
October	29.831	30.000	29.644	56.2	65.9	64.5	69.6	55.3	62.4	86	50	51	48	48	84	55	58	.379	.342	.339	.46	.27	3.5	4.2	3.6	3.9
November	29.896	30.060	29.670	54.5	63.0	63.8	68.1	53.5	60.8	78	51	50	47	46	86	58	57	.359	.325	.320	.49	.29	3.1	3.1	2.4	3.3
December	29.975	30.410	29.670	47.0	52.2	53.9	56.5	45.6	51.0	65	42	41	38	39	81	61	60	.260	.235	.244	1.91	1.18	4.0	3.1	3.7	3.8
Year	29.866	30.410	29.390	51.6	60.3	59.7	64.0	50.7	57.4	87	36	47	46	46	86	62	64	.332	.322	.322	10.99	2.05	4.8	3.2	3.3	3.7

Annual meteorological summary for the year ending December 31, 1923—Continued

SAND KEY, FLA.

[H_b=23 ft.; h_t=39 ft.; h_r=6 ft.; h_a=72 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	15.0	NE.	43	NE.	1	8	20	10	12	5	2	1	4	0	19	11	1	4	2	0	0	0	0	0	0	0	0	0
February	15.3	NE.	36	E.	0	7	18	10	14	6	0	1	0	0	15	10	3	4	2	0	0	0	0	0	0	0	1	0
March	15.5	SE.	34	SE.	0	7	4	20	24	2	2	3	0	0	24	7	0	5	3	0	0	0	0	0	0	0	0	0
April	10.8	SE.	40	NW.	1	12	8	9	12	4	5	2	8	0	22	8	0	3	3	0	0	0	0	0	0	0	5	0
May	11.9	SE.	50	S.	1	4	3	12	19	7	3	6	8	0	15	13	3	6	4	0	0	0	0	0	0	0	8	0
June	10.2	SE.	54	E.	3	2	2	16	21	7	2	1	8	1	11	7	12	7	6	0	0	0	0	0	0	0	11	0
July	9.5	SE.	39	E.	0	1	1	18	20	3	9	8	2	0	11	14	6	11	7	0	0	0	0	0	0	0	18	0
August	11.3	E.	35	SE.	0	0	4	32	17	7	0	1	1	0	12	14	5	10	10	0	0	0	0	0	0	0	11	0
September	10.4	E.	40	NE.	1	8	10	17	11	8	2	0	4	0	8	19	3	10	5	0	0	0	0	0	0	0	16	0
October	18.3	E.	43	NE.	2	12	16	19	11	1	0	0	3	0	9	10	12	8	6	0	0	0	0	0	0	0	5	0
November	15.7	NE.	35	NE.	0	21	18	13	8	0	0	0	0	0	15	7	8	5	3	0	0	0	0	0	0	0	0	0
December	16.2	NE.	39	SE.	0	10	21	15	10	2	1	1	1	1	16	11	4	8	5	0	0	0	0	0	0	0	0	0
Year	13.3	E.	54	E.	9	92	125	191	179	52	26	24	39	2	177	131	57	81	56	0	0	0	0	0	0	0	75	0

SANDUSKY, OHIO.

[H_b=629 ft.; h_t=62 ft.; h_r=54 ft.; h_a=70 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	9.7	W.	35	NW.	0	1	2	3	4	2	6	9	4	0	1	8	22	13	11	15	7	0	2	8	0	30	0	0
February	9.5	W.	44	NW.	1	2	2	3	2	1	7	9	2	0	0	10	18	18	8	18	11	0	4	14	0	26	0	0
March	11.6	SW.	38	SW.	0	1	1	1	2	4	11	6	5	0	4	14	13	17	9	15	7	0	0	6	0	21	0	0
April	10.4	SW.	36	W.	0	2	5	0	1	3	13	3	3	0	8	10	12	9	7	3	2	0	0	0	0	6	1	0
May	9.4	NE.	39	NW.	0	3	7	8	1	0	9	3	0	0	9	12	10	8	8	2	1	0	0	0	0	0	2	0
June	7.1	SW.	33	NW.	0	1	4	3	1	3	7	8	3	0	10	13	7	9	7	0	0	0	0	0	7	0	7	0
July	6.0	NE.	38	N.	0	1	3	6	5	3	5	6	2	0	9	11	11	12	8	0	0	0	0	0	2	0	6	0
August	6.7	NE.	30	W.	0	3	3	3	1	7	8	5	1	0	5	20	6	8	7	0	0	0	0	0	0	0	6	0
September	6.2	SW.	27	NW.	0	2	5	2	3	8	4	3	3	0	3	15	12	15	11	0	0	0	1	0	0	0	6	0
October	7.6	SW.	34	NW.	0	4	1	1	2	2	12	3	6	0	7	15	9	7	4	0	0	0	1	0	0	1	0	0
November	8.0	SW.	28	NW.	0	5	1	2	4	4	8	1	5	0	4	8	18	10	7	3	0	0	1	0	0	6	0	0
December	9.1	SW.	37	NW.	0	2	4	2	3	2	12	3	3	0	4	6	21	16	14	2	2	0	1	0	0	14	0	0
Year	8.4	SW.	44	NW.	1	27	38	34	29	39	102	59	37	0	64	142	159	142	101	58	30	0	10	28	9	104	28	0

SANDY HOOK, N. J.

[H_b=22 ft.; h_t=10 ft.; h_r=3 ft.; h_a=55 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	18.3	NW.	50	NE.	11	5	10	2	3	5	7	14	16	0	6	7	18	14	12	12	8	0	1	7	0	27	0	0
February	16.3	W.	64	W.	5	7	6	3	3	1	14	12	9	1	3	11	14	13	13	10	7	0	4	13	0	27	0	0
March	17.1	NW.	73	S.	12	3	5	1	5	12	10	9	17	0	11	9	11	11	9	6	4	0	6	2	0	19	1	0
April	17.2	SW.	65	S.	5	3	3	3	2	15	14	9	11	0	12	9	9	9	7	1	0	0	2	0	0	2	2	0
May	13.4	S.	43	S.	3	7	9	4	4	19	10	5	4	0	17	8	6	6	5	0	0	0	1	0	0	0	2	0
June	12.4	W.	46	NW.	4	4	4	4	3	5	10	13	14	7	0	12	13	5	5	4	0	0	0	1	0	4	0	8
July	11.3	S.	38	N.	0	3	10	7	6	16	11	3	6	0	8	14	9	12	8	0	0	0	0	0	2	0	7	0
August	12.9	S.	44	NW.	2	5	9	2	5	17	11	8	5	0	15	12	4	6	6	0	0	0	0	0	0	0	5	0
September	11.6	S.	44	NW.	2	9	5	4	11	12	8	6	5	0	12	11	7	7	5	0	0	0	2	0	0	0	5	0
October	15.8	NW.	60	NE.	6	10	6	1	0	15	9	3	18	0	12	10	9	10	9	0	0	0	1	0	0	0	1	0
November	15.4	W.	44	NE.	4	8	9	2	2	9	10	8	12	0	10	9	11	6	3	0	0	0	0	0	0	1	0	0
December	16.3	SW.	54	W.	5	2	7	2	3	7	17	9	15	0	10	8	13	13	11	3	1	0	3	0	0	4	0	0
Year	14.8	SW.	73	S.	59	66	83	34	49	138	134	100	125	1	128	121	116	112	92	32	20	0	21	22	6	80	31	0

SAN FRANCISCO, CALIF.

[H_b=155 ft.; h_t=208 ft.; h_r=202 ft.; h_a=243 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	6.4	N.	26	NW.	0	17	7	2	8	4	3	9	12	0	10	7	14	11	10	0	0	0	5	0	0	0	0	0
February	7.2	W.	32	NE.	0	7	8	3	11	0	1	17	9	0	14	10	4	3	2	0	0	1	2	0	0	0	0	0
March	8.4	W.	35	N.	0	6	3	1	5	2	10	28	7	0	23	5	3	2	0	0	0	0	1	0	0	0	0	0
April	9.3	W.	35	W.	0	0	0	2	7	4	15	25	7	0	16	7	7	8	7	0	0	0	0	0	0	0	0	0
May	11.7	W.	34	W.	0	0	0	1	2	3	13	41	2	0	23	7	1	2	1	0	0	0	2	0	0	0	0	0
June	11.6	W.	36	W.	0	0	0	0	0	1	15	40	3	1	12	12	6	3	0	0	0	0	5	0	0	0	0	0
July	10.9	W.	34	W.	0	0	0	0	0	1	20	41	0	0	24	6	1	0	0	0	0	0	1	0	0	0	0	0
August	10.9	W.	32	SW.	0	0	0	0	0	2	20	39	0	1	14	12	5	1	0	0	0	0	0	0	0	0	2	0
September	8.8	SW.	46	N.	1	1	2	1	2	2	21	30	0	1	21	5	4	3	2	0	0	0	0	0	0	0	0	0
October	7.7	W.	29	W.	0	4	1	3	4	1	10	33	6	0	15	9	7	5	3	0	0	0	0	0	0	0	0	0
November	5.7	W.	58	N.	1	7	6	2	7	4	5	19	9	1	18	8	4	2	2	0	0	0	4	0	0	0	0	0
December	8.1	N.	64	NE.	1	11	6	2	10	3	4	11	15	0	15	11	5	8	6	0	0	0	3	0	0	0	0	0
Year	8.9	W.	64	NE.	3	53	33	17	56	27	137	333	70	4	205	99	61	48	33	0	0	1	23	0	0	0	2	0

Annual meteorological summary for the year ending December 31, 1923—Continued

SAN JOSE, CALIF.

[ϕ=37° 20′ N.; λ=121° 54′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.994	30.260	29.450	----	50.4	51.1	54.9	37.1	46.0	64	28	----	41	42	----	71	72	----	0.258	0.269	1.93	0.82	----	6.0	5.2	6.3
February	29.991	30.245	29.640	----	55.0	57.7	60.3	37.6	49.0	76	26	----	38	40	----	57	54	----	.238	.253	1.02	.57	----	5.1	4.3	5.2
March	29.958	30.250	29.645	----	64.0	64.2	68.5	39.5	54.0	85	32	----	35	39	----	38	44	----	.215	.249	.31	.31	----	3.7	3.6	3.5
April	29.864	30.100	29.660	----	63.7	62.6	67.4	44.6	56.0	82	37	----	45	46	----	53	58	----	.302	.317	1.52	.43	----	5.0	4.5	5.1
May	29.857	30.060	29.574	----	68.9	67.2	72.4	45.0	58.7	89	37	----	48	46	----	48	49	----	.332	.320	.02	.02	----	2.3	1.5	2.9
June	29.812	30.010	29.626	----	68.0	67.7	71.9	49.0	60.4	80	42	----	48	49	----	51	53	----	.344	.355	.10	.09	----	2.6	2.6	4.4
July	29.817	29.970	29.593	----	76.0	74.6	79.3	51.2	65.2	97	47	----	54	54	----	47	49	----	.416	.414	.00	.00	----	.6	.3	1.7
August	29.833	29.990	29.693	----	75.6	75.5	80.4	54.1	67.2	97	48	----	56	56	----	51	52	----	.446	.447	.01	.01	----	.9	1.0	2.3
September	29.791	30.020	29.500	----	77.9	76.6	82.0	53.0	67.5	100	45	----	52	52	----	42	44	----	.392	.391	.62	.35	----	1.9	1.5	2.4
October	29.858	30.010	29.650	----	69.3	67.8	73.7	46.5	60.1	88	38	----	48	48	----	50	52	----	.344	.342	.29	.21	----	3.7	2.7	3.7
November	29.914	30.110	29.706	----	67.4	64.6	71.6	43.4	57.5	81	38	----	47	48	----	52	58	----	.337	.343	.30	.22	----	2.8	3.0	3.3
December	30.003	30.410	29.730	----	54.6	53.3	59.1	35.6	47.4	74	28	----	36	36	----	54	57	----	.224	.225	.71	.24	----	4.2	3.2	4.0
Year	29.891	30.410	29.450	----	65.9	65.2	70.1	44.7	57.4	100	26	----	46	46	----	51	54	----	.321	.327	6.83	.82	----	3.2	2.8	3.7

SAN JUAN, P. R.

[ϕ=18° 29′ N.; λ=66° 07′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.964	30.080	29.830	73.1	76.5	----	78.0	69.3	73.6	80	66	67	68	----	81	75	----	0.659	0.678	----	2.84	0.63	6.6	5.4	----	5.8
February	30.002	30.130	29.870	74.1	76.6	----	78.2	69.2	73.7	80	65	69	70	----	83	79	----	.698	.720	----	2.93	1.02	6.3	4.5	----	5.1
March	29.980	30.100	29.860	75.1	77.2	----	79.0	69.4	74.2	86	66	68	69	----	80	77	----	.691	.717	----	1.70	.39	5.2	4.5	----	4.5
April	29.925	30.050	29.750	77.4	78.7	----	80.7	69.7	75.2	87	67	72	72	----	82	82	----	.773	.797	----	3.85	1.78	4.3	4.8	----	4.6
May	29.896	30.002	29.760	80.8	83.2	----	85.7	72.9	79.3	92	70	72	72	----	76	71	----	.801	.786	----	1.13	.47	4.5	4.1	----	4.4
June	29.962	30.063	29.850	81.2	80.8	----	82.6	73.8	78.2	86	70	73	74	----	77	78	----	.814	.825	----	3.04	.81	5.3	5.9	----	5.8
July	29.955	30.050	29.850	82.2	82.5	----	84.2	75.0	79.6	87	72	73	74	----	75	76	----	.821	.838	----	2.74	.58	5.2	5.3	----	5.7
August	29.989	30.050	29.820	82.1	83.0	----	84.4	75.4	79.9	88	71	75	75	----	78	76	----	.856	.861	----	4.08	1.65	4.9	4.9	----	5.0
September	29.879	30.030	29.750	81.7	83.2	----	85.3	74.6	80.0	90	73	74	75	----	78	76	----	.843	.867	----	6.65	2.58	4.4	4.2	----	4.9
October	29.834	30.000	29.640	80.5	82.9	----	85.0	74.2	79.6	92	72	74	75	----	80	76	----	.830	.857	----	4.92	1.57	4.3	5.6	----	5.5
November	29.852	29.980	29.740	78.5	82.0	----	83.2	72.5	77.8	88	69	72	73	----	80	74	----	.779	.809	----	8.08	3.10	4.5	4.4	----	5.0
December	29.927	30.050	29.760	75.4	78.3	----	79.1	70.9	75.0	81	66	68	70	----	80	76	----	.698	.728	----	4.17	.99	5.2	4.7	----	5.5
Year	29.926	30.130	29.640	78.5	80.4	----	82.1	72.2	77.2	92	65	71	72	----	79	76	----	.772	.790	----	46.13	3.10	5.1	4.9	----	5.2

SAN LUIS OBISPO, CALIF.

[ϕ=35° 18′ N.; λ=120° 39′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.887	30.130	29.570	47.6	58.4	56.6	62.7	43.9	53.3	84	34	36	38	39	68	50	55	0.221	0.238	0.247	4.51	1.74	3.3	3.4	3.8	3.8
February	29.901	30.140	29.624	43.3	61.5	58.3	65.2	40.1	52.6	82	28	37	38	40	79	46	54	.223	.239	.255	1.36	.86	3.8	3.9	3.8	3.8
March	29.882	30.190	29.630	46.3	67.6	61.4	70.1	41.4	55.8	87	34	35	36	40	68	35	50	.208	.221	.257	.38	.33	2.3	2.1	2.8	2.3
April	29.818	30.040	29.617	48.5	62.1	57.4	64.6	46.5	55.6	83	36	44	47	47	87	60	69	.296	.331	.323	4.57	2.12	5.0	4.3	4.5	4.6
May	29.799	29.920	29.500	50.7	67.2	60.2	70.6	47.2	58.9	95	39	42	46	47	76	49	63	.267	.315	.322	.01	.01	4.1	1.9	2.1	2.5
June	29.735	29.850	29.590	50.7	66.4	61.6	69.8	48.7	59.2	83	40	45	47	48	84	51	61	.305	.328	.330	.04	.04	5.3	1.5	1.8	2.6
July	29.752	29.890	29.604	52.5	72.3	69.4	76.0	51.2	63.6	86	47	50	52	51	90	49	53	.354	.383	.378	.00	.00	6.8	.8	.6	2.2
August	29.760	29.910	29.640	53.6	74.1	67.8	78.2	51.8	65.0	89	45	50	52	53	91	47	59	.363	.388	.401	.00	.00	7.2	.5	.8	1.9
September	29.742	29.920	29.487	54.8	75.9	70.1	78.8	52.7	65.8	96	44	51	52	53	87	46	56	.373	.397	.403	.70	.56	5.0	1.6	1.8	2.6
October	29.762	29.920	29.650	54.0	73.9	66.4	76.9	50.3	63.6	95	41	43	42	45	71	37	52	.287	.284	.315	.16	.11	3.3	1.8	2.0	2.4
November	29.823	30.000	29.640	52.6	74.2	67.6	76.9	48.1	62.5	87	37	38	36	40	61	29	41	.233	.224	.256	.32	.24	2.0	1.9	2.3	2.2
December	29.897	30.250	29.511	45.0	62.4	57.9	66.0	40.4	53.2	80	30	30	30	34	59	34	45	.171	.179	.214	.73	.41	2.3	2.0	1.8	2.6
Year	29.811	30.250	29.487	50.0	68.0	62.9	71.3	46.9	59.1	96	28	42	43	45	77	44	55	.275	.294	.308	12.78	2.12	4.2	2.1	2.3	2.8

SANTA FE, N. MEX.

[ϕ=35° 41′ N.; λ=105° 57′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	23.239	23.600	22.910	27.4	41.8	37.2	45.2	24.6	34.9	56	13	18	20	19	66	43	46	0.097	0.109	0.102	0.12	0.10	2.7	4.3	3.3	3.6
February	23.223	23.530	22.890	23.6	38.2	38.2	43.8	20.5	32.2	58	0	18	23	21	78	56	51	.100	.123	.114	.25	.12	2.6	4.1	4.1	3.8
March	23.156	23.460	22.740	26.7	39.8	41.0	45.4	23.8	34.6	57	6	20	25	23	76	57	49	.111	.136	.125	1.28	.54	5.0	5.8	6.4	5.7
April	23.143	23.350	22.720	37.1	51.4	52.1	56.6	34.7	45.6	67	27	28	25	22	68	38	34	.152	.141	.125	1.60	.66	4.9	4.3	5.7	5.0
May	23.181	23.510	22.810	46.0	63.5	55.5	66.6	43.1	55.8	78	33	31	30	29	57	32	28	.176	.181	.162	1.02	.90	1.7	3.5	4.0	3.0
June	23.239	23.440	23.001	56.3	73.1	74.3	78.1	52.3	65.2	88	42	37	36	32	49	27	24	.226	.217	.192	.24	.09	1.2	2.4	3.4	2.4
July	23.377	23.520	23.240	59.9	77.4	75.2	82.1	57.3	69.7	91	51	46	45	46	62	33	37	.317	.303	.309	2.06	.58	2.1	4.2	7.8	4.9
August	23.390	23.520	23.260	56.3	72.3	68.4	76.6	54.9	65.8	87	47	49	48	48	77	44	53	.344	.336	.344	2.33	.46	4.2	4.7	7.5	5.4
September	23.348	23.500	23.070	48.5	65.4	63.2	70.1	47.0	58.6	78	36	39	40	40	71	41	46	.242	.248	.250	1.10	.39	2.5	3.7	4.4	3.7
October	23.267	23.470	22.924	38.0	52.0	49.3	56.0	35.7	45.8	72	23	31	32	32	78	50	55	.178	.190	.189	2.43	.87	3.6	3.7	4.1	3.8
November	23.283	23.540	22.920	31.5	44.9	40.2	49.1	28.6	38.8	58	15	22	24	24	67	43	51	.117	.127	.128	.82	.66	2.3	3.4	3.3	3.4
December	23.204	23.590	22.710	24.9	34.0	30.5	37.7	20.5	29.1	53	6	18	22	22	76	61	70	.102	.115	.115	.98	.26	6.3	6.7	5.8	6.2
Year	23.254	23.600	22.710	39.7	54.5	52.9	59.1	36.9	48.0	91	0	30	31	30	69	44	45	.180	.186	.180	14.23	.90	3.3	4.3	5.0	4.2

Annual meteorological summary for the year ending December 31, 1923—Continued

SAN JOSE, CALIF.

[H_b=141 ft.; h_t=12 ft.; h_r=3 ft.; h_a=110 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	4.6	NW.	30	SE.	0	3	3	2	2	2	1	5	12	1	6	14	11	10	5	2	0	0	7	0	0	6	0	0
February	5.1	NW.	25	NW.	0	3	2	1	1	1	0	3	17	0	11	5	12	3	3	1	1	0	4	0	0	7	0	0
March	6.4	NW.	24	N.	0	7	1	1	0	0	0	0	22	0	18	7	6	1	1	0	0	0	0	0	0	1	0	0
April	7.1	NW.	31	SE.	0	9	1	1	1	0	4	1	13	0	13	7	10	7	6	0	0	0	0	0	0	0	1	0
May	7.0	NW.	26	NW.	0	12	0	0	0	1	0	0	18	0	19	9	3	1	0	0	0	0	0	0	0	0	0	0
June	6.7	NW.	28	NW.	0	7	0	2	0	0	0	0	21	0	10	14	6	2	1	0	0	0	0	0	0	0	0	0
July	6.4	NW.	21	NW.	0	7	0	0	0	0	0	0	24	0	24	7	0	0	0	0	0	0	1	0	1	0	0	0
August	6.0	NW.	23	N.	0	11	0	0	0	0	0	0	20	0	22	9	0	1	0	0	0	0	1	0	4	0	1	0
September	5.4	NW.	24	NW.	0	4	0	0	0	0	2	1	23	0	23	4	3	2	2	0	0	0	1	0	6	0	0	0
October	5.1	NW.	20	NW.	0	7	0	0	0	0	0	0	24	0	17	9	5	3	2	0	0	0	1	0	0	0	0	0
November	4.8	S.	30	NW.	0	11	0	0	2	0	1	0	16	0	18	7	5	4	2	0	0	0	3	0	0	0	0	0
December	5.8	NW.	30	NW.	0	5	0	1	2	0	0	2	21	0	15	9	7	8	7	0	0	0	3	0	0	12	0	0
Year	5.9	NW.	31	SE.	0	86	7	8	8	3	9	12	231	1	196	101	68	42	29	3	1	0	21	0	11	26	2	0

SAN JUAN, P. R.

[H_b=82 ft.; h_t=9 ft.; h_r=4 ft.; h_a=54 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	16.0	E.	39	E.	0	1	2	18	2	6	2	0	0	0	7	13	11	24	16	0	0	0	0	0	0	0	0	0
February	15.0	E.	35	E.	0	0	1	20	4	3	0	0	0	0	7	16	5	16	14	0	0	0	0	0	0	0	0	0
March	18.1	E.	46	E.	3	0	2	22	1	5	1	0	0	0	16	20	1	14	12	0	0	0	0	0	0	0	0	0
April	11.2	E.	33	E.	0	0	0	26	1	3	0	0	0	0	11	15	4	14	12	0	0	0	0	0	0	0	1	0
May	10.8	E.	35	E.	0	0	1	19	6	5	0	0	0	0	16	10	5	9	7	0	0	0	0	0	5	0	0	0
June	13.9	E.	48	E.	1	0	0	30	0	0	0	0	0	0	6	16	8	17	16	0	0	0	0	0	0	0	6	0
July	13.5	E.	34	E.	0	0	0	27	3	1	0	0	0	0	7	16	8	21	14	0	0	0	0	0	0	0	5	0
August	14.6	E.	46	E.	1	0	0	29	1	0	0	0	0	1	8	19	4	21	16	0	0	0	0	0	0	0	6	0
September	10.4	E.	34	E.	0	0	1	19	3	7	0	0	0	0	7	19	4	13	11	0	0	0	0	0	1	0	8	0
October	7.9	S.	34	E.	0	0	1	7	5	12	5	0	0	1	0	18	7	18	16	0	0	0	0	0	1	0	12	0
November	7.6	S.	31	E.	0	0	1	4	2	16	4	0	1	2	11	12	7	18	16	0	0	0	0	0	0	0	2	0
December	15.8	E.	42	E.	2	2	7	9	2	6	5	0	0	0	8	15	8	21	16	0	0	0	0	0	0	0	0	0
Year	12.9	E.	48	E.	7	3	16	230	30	64	17	0	1	4	104	189	72	200	166	0	0	0	0	0	7	0	40	0

SAN LUIS OBISPO, CALIF.

[H_b=201 ft.; h_t=32 ft.; h_r=23 ft.; h_a=40 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	5.4	N.	29	NE.	0	26	13	0	2	3	5	1	11	1	17	10	4	7	7	1	1	1	1	0	0	0	0	0
February	3.6	N.	20	NE.	0	18	7	0	2	1	3	5	18	2	13	11	4	5	4	0	0	1	3	0	0	4	0	0
March	4.3	N.	24	NE.	0	15	10	0	1	3	4	1	27	1	24	3	4	3	2	0	0	0	0	0	0	0	0	0
April	4.7	NW.	20	W.	0	11	0	0	8	5	6	5	19	6	14	5	11	10	7	0	0	0	2	0	0	0	0	0
May	5.5	NW.	23	W.	0	16	5	0	0	3	2	4	30	2	22	7	2	1	0	0	0	0	0	0	1	0	0	0
June	5.2	NW.	21	W.	0	9	4	0	0	1	3	2	40	1	21	7	2	1	1	0	0	0	0	0	0	0	0	0
July	4.0	NW.	16	NW.	0	8	3	3	0	9	5	3	31	0	25	6	0	0	0	0	0	0	0	0	0	0	0	0
August	3.7	NW.	14	NW.	0	11	1	0	0	6	10	3	30	1	27	4	0	0	0	0	0	0	2	0	0	0	0	0
September	3.3	NW.	15	NW.	0	8	1	0	3	3	11	5	25	4	22	6	2	3	2	0	0	0	0	0	4	0	0	0
October	4.3	N.	20	NE.	0	16	12	3	1	1	2	4	22	1	21	10	0	3	2	0	0	0	1	0	4	0	0	0
November	3.7	N.	18	NE.	0	18	13	3	2	3	3	2	15	1	23	3	4	3	3	0	0	0	0	0	0	0	1	0
December	4.6	N.	21	NE.	0	16	19	0	1	3	1	2	19	1	20	8	3	6	5	0	0	0	1	0	0	2	0	0
Year	4.4	NW.	29	NE.	0	172	88	9	20	41	55	37	267	21	249	80	36	42	33	1	1	2	10	0	9	6	1	0

SANTA FE, N. MEX.

[H_b=7,013 ft.; h_t=38 ft.; h_r=31 ft.; h_a=53 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	6.5	N.	29	N.	0	18	16	7	7	3	5	3	3	0	15	13	3	3	1	4	3	0	0	2	0	28	0	0
February	6.2	E.	43	SW.	1	4	10	7	7	9	11	2	6	0	14	9	5	3	3	9	3	0	1	2	0	27	0	0
March	7.1	N.	35	SW.	0	14	8	7	10	7	6	2	8	0	10	8	13	8	5	11	6	0	0	2	0	28	1	0
April	7.8	SE.	28	SW.	0	4	9	4	13	8	8	7	6	1	12	9	9	8	8	5	4	3	0	0	0	8	5	0
May	7.0	SW.	30	SW.	0	9	8	9	9	5	12	5	3	0	21	5	5	5	2	1	1	0	0	0	0	0	5	0
June	7.8	SE.	28	S.	0	4	1	11	21	7	11	2	2	1	21	6	3	4	3	0	0	0	0	0	0	0	6	0
July	5.5	E.	24	NE.	0	3	11	18	11	8	6	2	3	0	8	19	4	13	7	0	0	2	0	0	2	0	21	0
August	5.3	SE.	26	SE.	0	5	13	12	16	7	7	1	1	0	8	14	9	20	12	0	0	1	0	0	0	0	22	0
September	5.4	E.	25	SW.	0	9	14	14	6	2	10	4	1	0	15	10	5	10	8	0	0	2	0	0	0	0	11	0
October	6.0	SE.	26	S.	0	5	5	8	19	0	7	4	5	0	15	10	6	12	12	5	4	4	0	0	0	11	6	0
November	5.7	E.	29	SE.	0	7	11	14	15	6	4	0	3	0	18	5	7	5	5	6	3	0	0	0	0	23	0	0
December	4.8	NE.	39	W.	0	6	18	8	9	4	6	5	4	2	7	11	13	13	8	13	10	0	2	11	0	30	1	0
Year	6.3	SE.	43	SW.	1	88	124	119	143	75	93	37	47	4	164	119	82	104	74	54	34	12	3	17	2	155	78	0

Annual meteorological summary for the year ending December 31, 1923—Continued

SAULT STE MARIE, MICH.

[ϕ=46° 30′ N.; λ=84° 21′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.372	30.010	28.630	8.5	14.1	12.8	19.5	2.8	11.2	37	−19	6	10	10	86	84	88	0.058	0.073	0.071	1.64	0.29	8.3	7.9	6.3	7.8
February	29.392	29.900	28.820	4.8	12.8	11.5	18.3	−0.8	8.8	34	−21	1	9	9	84	82	88	.049	.068	.066	1.00	.21	7.6	6.1	6.7	6.4
March	29.293	29.810	28.500	9.9	17.9	16.1	24.2	3.3	13.8	42	−15	7	13	13	85	78	86	.063	.082	.082	2.58	.58	7.9	6.7	6.9	6.5
April	29.271	29.782	28.820	26.7	37.3	34.1	41.7	18.8	30.2	64	−13	22	28	27	82	69	75	.131	.155	.149	1.66	.67	4.1	5.0	5.6	4.5
May	29.315	29.753	28.878	44.8	57.2	52.5	62.1	36.8	49.4	83	25	35	37	37	69	49	58	.208	.227	.230	1.00	.58	3.6	4.2	4.1	3.5
June	29.258	29.551	28.673	56.7	68.2	64.2	73.5	49.1	61.3	92	39	50	54	52	80	63	66	.379	.442	.410	2.23	.98	5.1	4.6	4.8	4.2
July	29.352	29.586	29.100	60.4	72.8	67.5	76.8	53.8	65.3	90	47	54	56	54	81	57	64	.427	.447	.424	3.80	1.62	4.2	5.6	5.3	5.0
August	29.290	29.556	28.912	55.8	64.2	59.8	67.3	49.4	58.4	80	42	51	53	52	85	68	76	.379	.406	.391	3.20	1.26	6.8	5.9	5.5	6.1
September	29.399	29.780	28.921	51.4	60.9	55.9	65.0	47.2	56.1	76	34	49	53	51	92	77	84	.359	.420	.388	2.63	1.06	6.2	6.5	4.6	6.4
October	29.421	29.798	28.530	39.8	49.0	46.0	52.0	35.5	43.8	65	24	37	39	39	88	71	79	.226	.248	.246	5.37	2.59	5.8	6.4	4.7	7.1
November	29.321	29.800	28.680	33.0	39.3	36.9	42.3	30.2	36.2	56	19	29	32	32	86	76	81	.165	.186	.180	1.04	.38	7.4	7.6	6.6	7.8
December	29.258	29.780	28.450	28.3	31.9	30.8	34.7	25.3	30.0	46	1	25	26	27	84	79	84	.135	.145	.148	2.23	.55	8.1	8.1	8.2	8.2
Year	29.328	30.010	28.450	35.0	43.8	40.6	48.1	29.3	38.7	92	−21	30	34	34	84	71	77	.215	.242	.232	28.38	2.59	6.2	6.2	5.7	6.1

SAVANNAH, GA.

[ϕ=32° 05′ N.; λ=81° 05′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	30.088	30.480	29.680	49.1	61.0	54.8	64.6	46.5	55.6	80	36	43	45	45	80	58	72	0.291	0.316	0.310	2.45	1.29	3.9	4.3	2.6	4.2
February	30.118	30.430	29.840	47.0	57.1	54.3	61.7	44.1	52.9	80	27	40	41	42	78	58	66	.286	.297	.293	.93	.50	5.0	5.1	4.2	5.0
March	30.042	30.370	29.390	55.5	66.2	60.1	70.2	51.6	60.9	84	32	49	50	50	79	59	72	.371	.386	.390	2.31	.54	4.7	5.5	4.1	5.2
April	29.955	30.430	29.500	61.7	71.6	66.2	75.9	57.1	66.5	91	38	55	54	55	79	54	70	.451	.428	.452	1.06	.98	5.9	5.4	3.8	4.6
May	29.869	30.130	29.490	69.1	75.5	69.7	78.4	63.8	71.1	86	47	62	61	62	79	62	78	.586	.555	.573	5.52	1.64	6.7	6.7	6.7	6.2
June	29.941	30.140	29.580	76.5	83.2	77.1	85.5	71.3	78.4	93	64	70	67	69	81	59	76	.735	.676	.702	1.79	.62	6.3	5.3	6.8	5.4
July	29.948	30.171	29.680	76.7	85.4	78.1	88.4	71.7	80.0	98	67	71	71	71	83	63	80	.762	.760	.763	5.47	1.19	5.2	6.0	6.2	5.9
August	29.962	30.090	29.800	77.7	86.4	79.4	90.6	73.2	81.9	96	68	72	72	73	84	64	81	.792	.790	.803	6.60	1.88	4.8	6.1	6.6	5.9
September	29.974	30.250	29.750	74.1	83.7	77.6	85.9	70.6	78.2	95	63	70	69	70	86	61	80	.724	.702	.731	2.94	1.12	5.0	6.3	3.4	5.5
October	29.993	30.290	29.550	61.7	72.4	66.9	75.4	59.1	67.2	88	42	56	56	58	83	59	75	.482	.479	.510	.48	.31	4.9	5.1	4.1	5.0
November	30.025	30.390	29.790	49.3	61.1	56.4	64.9	46.9	55.9	74	33	43	45	44	80	59	66	.298	.324	.309	.77	.50	5.2	4.6	4.1	4.8
December	30.079	30.518	29.520	53.4	63.0	57.7	66.7	50.3	58.5	77	35	50	52	50	88	69	77	.375	.406	.379	2.30	1.08	6.7	7.1	6.1	6.7
Year	30.000	30.518	29.390	62.6	72.2	66.4	75.7	58.8	67.3	98	27	57	57	57	82	60	74	.512	.510	.518	32.62	1.88	5.4	5.6	4.9	5.4

SCRANTON, PA.

[ϕ=41° 24′ N.; λ=75° 42′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.190	29.900	28.640	25.8	28.5	27.3	33.2	20.5	26.8	49	0	21	22	22	82	75	80	0.119	0.121	0.123	4.24	0.95	8.6	7.9	7.5	8.1
February	29.227	29.699	28.764	20.7	26.0	24.4	30.7	15.2	23.0	47	4	16	17	17	80	67	72	.095	.096	.100	1.58	.44	7.8	7.1	5.5	6.9
March	29.144	29.820	28.320	30.3	38.3	35.4	43.4	25.0	34.2	62	7	26	30	26	81	70	69	.148	.143	.152	1.65	.63	7.0	6.8	5.6	6.6
April	29.104	29.770	28.500	43.2	54.0	51.5	58.8	37.8	48.3	83	8	35	38	36	73	55	58	.218	.251	.234	2.92	1.81	5.8	5.7	6.6	5.9
May	29.105	29.494	28.550	54.7	64.9	61.4	70.4	45.8	58.1	86	32	46	50	46	73	59	60	.319	.364	.320	3.26	1.70	3.5	4.5	4.9	4.5
June	29.066	29.380	28.580	66.6	77.9	72.6	82.4	58.1	70.2	95	44	59	62	59	78	59	65	.523	.571	.520	3.05	.88	3.8	5.4	6.0	5.1
July	29.165	29.555	28.840	67.5	77.6	74.5	82.1	59.6	70.8	94	48	60	59	57	77	55	56	.520	.506	.468	4.72	3.04	5.3	6.0	6.7	5.8
August	29.143	29.348	28.760	64.0	74.8	71.0	79.9	56.9	68.4	91	45	58	60	60	81	62	70	.492	.535	.541	3.32	1.74	5.0	5.2	5.1	5.0
September	29.265	29.701	29.020	59.5	69.4	65.0	73.2	54.7	64.0	85	37	56	57	57	88	67	75	.467	.399	.484	4.38	2.10	6.3	6.6	5.2	6.1
October	29.261	29.572	28.801	45.5	57.4	52.3	61.7	41.6	51.6	77	33	43	45	43	90	66	71	.280	.312	.282	2.42	1.69	5.3	5.8	4.6	5.5
November	29.210	29.718	28.620	37.9	44.7	42.2	48.5	34.3	41.4	62	23	34	36	34	84	72	74	.197	.215	.202	2.20	1.18	7.0	6.4	5.8	6.6
December	29.174	29.896	28.400	35.9	40.9	39.5	44.9	32.5	38.7	60	19	32	33	33	86	74	78	.187	.196	.195	2.42	.53	8.0	7.6	6.2	7.4
Year	29.171	29.900	28.320	46.0	54.8	51.4	59.1	40.2	49.6	95	0	40	42	41	81	65	69	.297	.309	.302	36.16	3.04	6.1	6.2	5.8	6.1

SEATTLE, WASH.

[ϕ=47° 38′ N.; λ=122° 20′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.862	30.290	29.260	39.4	42.2	41.6	44.4	36.3	40.4	53	23	36	35	36	88	77	81	0.219	0.209	0.216	7.51	1.40	7.8	7.6	7.8	8.1
February	30.158	30.526	29.060	34.5	38.5	41.3	42.8	31.8	37.3	55	15	30	31	31	85	77	69	.173	.181	.181	2.72	1.59	6.1	8.1	6.8	7.7
March	30.072	30.450	29.668	39.8	44.8	48.4	50.4	37.5	44.0	70	29	36	36	36	86	73	63	.210	.215	.211	1.37	.37	7.1	6.9	6.1	6.7
April	29.877	30.320	29.510	44.7	53.4	56.2	58.3	43.6	51.0	79	39	40	39	38	86	60	54	.253	.240	.222	1.67	.33	7.4	7.1	6.4	7.0
May	29.922	30.195	29.540	48.1	56.2	59.2	61.1	47.1	54.1	76	40	44	42	42	87	62	55	.294	.274	.270	1.45	.24	7.4	7.0	7.7	7.5
June	29.840	30.070	29.625	53.4	62.4	66.8	68.7	52.5	60.6	85	47	48	48	47	83	59	51	.341	.333	.328	1.01	.48	7.2	5.5	5.3	6.2
July	29.916	30.150	29.610	56.3	65.3	70.9	73.4	55.5	64.4	88	52	52	53	52	87	65	54	.398	.403	.397	.68	.41	4.8	4.1	3.7	4.8
August	29.925	30.090	29.709	57.6	65.8	73.2	75.3	56.1	65.7	86	50	54	54	53	89	67	50	.423	.424	.400	1.98	1.43	4.6	3.9	2.3	4.1
September	29.937	30.200	29.605	54.6	63.1	66.5	68.5	53.0	60.8	83	46	51	51	50	89	66	56	.378	.379	.356	1.37	1.14	4.5	3.3	3.2	4.4
October	29.930	30.380	29.100	49.9	56.7	58.2	61.2	47.9	54.6	80	40	46	45	40	87	68	65	.312	.308	.314	2.05	1.07	4.4	5.5	6.5	6.8
November	30.004	30.360	29.350	44.9	48.9	49.6	52.2	42.7	47.4	62	36	42	43	44	90	82	83	.268	.282	.290	2.06	.99	5.6	7.0	6.4	7.8
December	29.942	30.520	29.050	41.1	43.1	42.9	46.3	38.0	42.2	57	20	37	36	37	85	78	80	.223	.220	.223	3.31	1.00	7.7	8.5	8.1	8.1
Year	29.949	30.526	29.050	47.0	53.4	56.2	58.6	45.2	51.9	88	15	43	43	43	87	70	63	.291	.289	.285	27.18	1.59	6.2	6.2	5.9	6.6

Annual meteorological summary for the year ending December 31, 1928—Continued

SAULT STE MARIE, MICH.

[H_b=614 ft.; h_i=11 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	8.0	E.	51	NW.	1	4	6	18	17	1	2	1	11	2	3	8	20	18	12	21	18	0	0	30	0	31	0	0
February	8.4	SE.	43	NW.	1	3	1	5	16	2	7	8	13	1	8	5	15	16	9	17	16	0	0	26	0	28	0	2
March	11.3	NW.	54	NW.	4	2	8	9	11	1	5	8	18	0	7	8	16	17	16	17	17	0	0	24	0	31	0	0
April	7.2	NW.	39	NW.	0	0	4	9	14	1	4	11	17	0	13	9	8	11	7	8	8	0	2	4	0	23	0	2
May	7.5	SE.	38	NW.	0	5	3	13	15	3	4	5	12	2	18	7	6	5	5	0	0	0	0	0	0	10	0	2
June	6.1	W.	30	NW.	0	0	3	7	8	1	7	17	13	4	12	13	5	6	6	0	0	0	0	0	1	0	4	0
July	5.1	W.	31	SW.	0	1	3	12	11	3	3	17	11	1	12	10	9	8	7	0	0	0	0	0	1	0	1	0
August	6.7	NW.	40	NW.	1	3	2	11	8	3	4	9	20	2	7	12	12	11	9	0	0	0	0	0	0	0	2	0
September	6.3	SE.	30	NW.	0	3	2	6	20	2	6	5	14	2	6	11	13	10	8	1	1	0	7	0	0	0	2	0
October	7.5	NW.	33	NW.	0	5	2	5	15	2	4	7	20	2	7	7	17	12	10	5	5	0	4	0	0	13	0	0
November	7.8	SE.	30	SW.	0	6	7	4	17	5	7	5	9	0	5	5	20	11	6	9	6	0	0	1	0	21	0	0
December	9.0	SW.	44	NW.	1	4	8	5	12	1	11	7	14	0	3	5	23	19	10	18	15	0	1	8	0	26	0	0
Year	7.6	NW.	54	NW.	8	36	49	104	164	25	64	100	172	16	101	100	164	144	105	96	86	0	14	93	2	183	9	6

SAVANNAH, GA.

[H_b=65 ft.; h_i=150 ft.; h_r=143 ft.; h_a=194 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	13.0	S.	44	NW.	3	4	6	3	1	18	6	15	9	0	17	8	6	5	5	0	0	0	2	0	0	0	1	0
February	12.7	NW.	38	SW.	0	6	10	4	0	8	10	9	9	0	11	5	12	6	4	0	0	0	2	0	0	3	0	0
March	13.4	S.	48	W.	3	7	11	3	1	17	10	3	10	0	12	8	11	11	9	0	0	0	1	0	0	1	1	0
April	12.2	S.	39	W.	0	2	13	6	2	16	6	7	8	0	12	12	6	5	2	0	0	0	1	0	1	0	2	0
May	11.4	S.	43	NW.	1	3	6	13	3	22	4	7	4	0	8	7	16	15	13	0	0	0	0	0	0	0	12	0
June	10.9	S.	34	NW.	0	3	6	11	1	20	7	10	2	0	11	9	10	10	8	0	0	0	0	0	3	0	6	0
July	10.0	SW.	44	NW.	2	6	8	2	2	17	18	9	0	0	8	9	14	17	14	0	0	0	1	0	14	0	16	0
August	9.7	SW.	37	NW.	0	2	2	3	1	19	21	11	3	0	6	16	9	12	10	0	0	0	0	0	20	0	13	0
September	9.7	NE.	30	NE.	0	9	16	5	3	15	4	4	4	0	8	13	9	10	8	0	0	0	3	0	6	0	9	0
October	10.6	NE.	29	SE.	0	9	25	9	2	5	3	3	5	1	10	14	7	6	4	0	0	0	2	0	0	0	1	0
November	12.0	NE.	33	W.	0	8	14	2	4	3	7	13	9	0	14	4	12	7	3	0	0	0	3	0	0	0	0	0
December	11.7	NE.	42	NW.	1	3	13	3	9	11	11	7	5	0	5	11	15	9	8	0	0	0	4	0	0	0	0	0
Year	11.4	S.	48	W.	10	62	130	64	20	171	107	98	68	1	122	116	127	113	88	0	0	0	19	0	44	4	61	0

SCRANTON, PA.

[H_b=805 ft.; h_i=111 ft.; h_r=102 ft.; h_a=119 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	7.1	NW.	31	W.	0	7	10	1	2	10	10	9	13	0	4	5	22	17	11	18	14	0	2	12	0	29	0	0
February	7.4	SW.	42	SW.	1	10	5	2	1	7	11	10	10	0	3	11	14	17	9	19	13	0	1	15	0	26	0	0
March	9.1	S.	40	W.	1	8	4	0	2	15	7	11	15	0	5	14	12	9	6	14	3	0	0	6	0	23	0	0
April	9.0	S.	31	SW.	0	9	5	2	4	15	6	11	8	0	9	8	13	12	9	2	0	0	0	0	0	8	1	0
May	7.5	NW.	33	SW.	0	12	12	0	3	7	10	3	15	0	17	6	8	8	6	2	1	1	0	0	0	0	4	0
June	6.4	S.	36	SW.	0	8	4	1	3	24	7	4	9	0	9	12	9	13	9	0	0	1	0	0	8	0	9	0
July	5.3	N.	23	NW.	0	16	7	3	7	13	6	3	7	0	10	10	11	12	10	0	0	0	0	0	3	0	5	0
August	5.5	S.	28	S.	0	12	6	0	7	18	10	1	8	0	10	16	5	8	6	0	0	1	1	0	2	0	8	0
September	4.9	N.	19	SW.	0	16	7	2	7	14	5	1	7	1	6	13	11	12	7	0	0	0	3	0	0	0	1	0
October	5.8	N.	31	NE.	0	22	4	2	3	14	6	5	6	0	10	10	11	9	6	1	0	0	2	0	0	0	0	0
November	6.8	SW.	24	SW.	0	13	4	0	3	13	12	7	8	0	7	8	15	10	8	3	0	0	0	0	0	12	0	0
December	7.1	S.	38	SW.	0	8	7	1	5	11	13	5	12	0	2	12	17	18	15	8	7	0	0	0	0	17	0	0
Year	6.8	S.	42	SW.	2	141	75	14	47	161	103	70	118	1	92	125	148	145	102	67	38	3	9	33	13	115	28	0

SEATTLE, WASH.

[H_b=125 ft.; h_i=215 ft.; h_r=209 ft.; h_a=250 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	13.2	S.	53	SW.	4	11	4	2	12	23	8	0	2	0	1	9	21	18	17	4	2	1	1	0	0	7	0	0
February	6.5	SE.	40	NW.	1	13	11	6	13	8	0	3	2	0	3	8	17	8	6	4	3	0	8	3	0	12	0	0
March	10.4	S.	50	SW.	5	8	8	4	12	15	8	3	4	0	7	3	16	15	9	4	3	1	1	0	0	3	0	0
April	8.5	S.	37	S.	0	12	4	2	6	14	9	3	9	1	4	7	19	14	10	0	0	1	0	0	0	0	0	0
May	8.9	S.	35	S.	0	6	7	3	4	15	10	3	12	2	3	11	17	14	11	0	0	0	0	0	0	0	0	0
June	7.7	S.	38	S.	0	9	10	3	5	12	8	2	8	3	8	8	14	7	5	0	0	0	0	0	0	0	2	0
July	7.7	N.	28	S.	0	15	7	2	8	12	3	3	12	0	14	7	10	4	2	0	0	0	1	0	0	0	0	0
August	5.6	N.	22	W.	0	14	7	4	5	8	4	5	14	1	11	17	3	5	4	0	0	0	1	0	0	0	1	0
September	5.8	N.	27	SW.	0	15	9	3	5	10	4	4	8	2	15	8	7	5	4	0	0	0	5	0	0	0	0	0
October	6.9	SE.	46	S.	1	17	7	4	11	10	6	2	3	2	6	8	17	7	6	0	0	0	10	0	0	0	1	0
November	7.4	SE.	44	SW.	1	7	7	3	17	9	3	3	10	1	2	8	20	12	11	0	0	0	10	0	0	0	0	0
December	12.3	S.	66	S.	2	5	4	2	11	31	7	2	0	0	2	7	22	19	16	2	2	0	2	1	0	3	0	0
Year	8.4	S.	66	S.	14	132	85	38	109	167	70	33	84	12	76	106	183	128	101	14	10	3	39	4	0	25	4	0

Annual meteorological summary for the year ending December 31, 1923—Continued

SHERIDAN, WYO.

[ϕ=44° 48′ N.; λ=106° 57′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	26.008	26.396	25.540	23.8	35.8	31.4	39.6	17.3	28.4	64	−11	14	17	18	67	49	56	0.082	0.096	0.097	0.57	0.25	5.1	5.3	6.4	5.9
February	26.216	26.681	25.520	10.6	25.3	22.9	31.4	4.6	18.0	57	−24	5	13	13	78	60	63	.066	.088	.091	.59	.25	6.1	6.0	5.5	5.8
March	26.070	26.500	25.510	22.1	36.4	35.3	41.8	16.0	28.9	67	−17	16	21	22	78	54	58	.096	.115	.121	1.89	.72	5.7	5.2	4.9	5.0
April	26.027	26.330	25.620	31.6	49.4	48.5	52.9	27.4	40.2	76	6	25	26	27	78	46	49	.137	.144	.144	2.47	.70	5.0	5.6	5.4	5.5
May	26.039	26.550	25.631	43.4	62.5	61.8	67.0	39.9	53.4	88	26	38	38	39	82	45	48	.237	.249	.251	3.27	.95	4.9	4.3	5.6	5.1
June	26.022	26.335	25.630	53.7	70.2	71.3	75.1	48.5	61.8	86	39	46	51	50	77	52	50	.319	.378	.371	2.11	1.00	4.0	4.0	5.1	4.3
July	26.130	26.390	25.841	63.2	82.4	80.5	88.7	59.1	72.9	98	52	56	59	57	80	47	48	.463	.499	.478	6.37	4.41	4.2	3.5	5.5	4.1
August	26.179	26.380	25.990	52.8	74.2	72.7	77.9	51.0	64.4	94	43	50	53	53	90	51	53	.361	.404	.402	1.44	.72	3.8	4.5	5.4	4.6
September	26.158	26.431	25.830	43.9	67.3	64.1	71.3	42.0	56.6	92	30	41	43	46	89	48	56	.260	.284	.314	8.18	3.15	4.1	4.2	4.5	4.3
October	26.209	26.644	25.540	32.2	50.0	45.1	53.2	28.9	41.0	72	1	29	33	32	87	54	62	.167	.197	.194	1.72	.40	5.4	4.5	4.2	4.8
November	26.151	26.520	25.630	29.7	48.8	39.9	51.8	24.9	38.4	68	12	25	29	28	76	46	64	.120	.157	.157	.36	.12	3.8	4.7	5.4	4.7
December	26.098	26.563	25.315	16.7	30.2	24.6	36.5	10.8	23.6	62	−32	12	17	16	79	56	67	.078	.098	.093	.82	.49	4.2	4.8	4.8	4.8
Year	26.109	26.681	25.315	35.3	52.7	49.8	57.1	30.9	44.0	98	−32	30	33	33	80	51	56	.199	.226	.226	29.79	4.41	4.7	4.7	5.2	4.9

SHREVEPORT, LA.

[ϕ=32° 30′ N.; λ=93° 40′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.844	30.360	29.520	49.2	59.6	59.6	65.4	46.4	55.9	75	34	44	47	46	84	67	65	0.317	0.344	0.336	4.32	1.49	5.3	5.0	4.0	5.3
February	29.960	30.460	29.470	43.7	51.0	50.7	56.1	40.6	48.4	81	21	38	42	42	82	75	73	.260	.298	.286	6.21	2.64	7.0	6.4	5.7	6.5
March	29.818	30.250	29.090	48.2	59.2	58.2	64.8	45.2	55.0	76	21	41	42	41	77	57	56	.285	.299	.287	3.63	.74	5.2	4.9	4.2	5.2
April	29.702	30.160	29.350	58.8	70.4	70.9	75.3	56.8	66.0	86	37	52	52	53	79	56	56	.413	.420	.425	4.40	1.53	5.1	4.0	3.2	4.5
May	29.601	30.050	29.200	64.9	76.2	74.9	81.0	61.8	71.4	93	46	60	60	61	85	59	64	.540	.540	.552	4.68	2.54	3.9	4.1	4.4	4.3
June	29.604	29.870	29.450	73.9	83.5	82.6	88.5	70.9	79.7	94	61	70	69	69	87	62	65	.727	.704	.718	2.48	1.00	3.6	3.4	2.9	3.6
July	29.722	29.930	29.510	75.7	87.4	85.7	92.3	72.5	82.4	104	64	70	69	70	82	55	60	.734	.710	.726	3.40	1.56	3.7	3.6	4.2	4.0
August	29.722	29.920	29.551	74.9	87.3	85.8	92.2	73.7	83.0	100	61	70	68	70	85	54	60	.736	.684	.726	2.03	1.09	3.5	3.2	2.8	3.4
September	29.759	29.930	29.620	68.9	80.0	77.4	83.6	67.7	75.6	90	59	67	67	68	93	66	74	.661	.665	.689	0.03	3.64	4.1	4.1	2.9	4.1
October	29.819	30.180	29.160	56.5	70.7	67.1	74.0	55.0	64.5	90	38	53	52	54	88	55	64	.426	.434	.444	2.43	1.46	3.6	3.2	3.1	3.8
November	29.863	30.160	29.450	48.0	60.8	58.5	64.5	46.7	55.6	75	37	44	43	44	86	56	61	.297	.291	.302	3.19	1.40	4.7	4.1	4.1	4.6
December	29.832	30.380	29.420	50.8	57.4	56.0	62.0	47.8	54.9	79	30	47	48	49	86	73	78	.352	.369	.379	7.82	2.15	7.7	7.0	6.4	7.2
Year	29.778	30.460	29.090	59.5	70.3	69.0	75.0	57.1	66.0	104	21	55	55	56	84	61	65	.479	.480	.489	53.62	3.64	4.8	4.4	4.0	4.7

SIOUX CITY, IOWA

[ϕ=42° 29′ N.; λ=96° 24′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	28.803	29.350	28.280	23.8	29.2	29.4	35.6	19.8	27.7	57	6	18	20	20	78	68	68	0.101	0.109	0.111	0.81	0.28	6.0	6.7	5.0	5.3
February	29.003	29.690	28.340	13.4	23.5	25.5	32.0	9.9	21.0	55	−11	8	9	11	77	53	53	.068	.075	.080	.08	.06	3.9	4.4	4.1	3.9
March	28.817	29.400	28.170	23.4	31.7	32.8	39.2	19.1	29.2	74	−9	16	20	20	74	60	62	.098	.114	.117	1.74	1.18	5.8	6.9	5.5	6.2
April	28.716	29.106	28.040	40.0	52.6	54.3	59.3	37.4	48.4	84	20	34	34	35	80	53	52	.206	.207	.216	3.36	1.45	5.9	4.5	5.5	5.2
May	28.732	29.221	28.310	52.6	63.8	64.6	69.0	49.5	59.2	84	32	44	42	43	74	49	50	.308	.297	.302	3.81	1.09	5.8	6.2	5.7	6.0
June	28.715	29.040	28.390	65.6	74.5	75.3	78.5	62.1	70.3	95	44	60	60	61	84	62	63	.542	.531	.555	5.14	2.13	6.0	6.2	5.4	6.0
July	28.787	28.980	28.533	70.5	83.7	83.4	87.5	67.8	77.6	99	55	64	63	64	78	52	53	.590	.586	.603	2.93	1.01	5.0	4.3	4.5	4.5
August	28.803	29.108	28.450	63.1	74.8	75.2	79.9	60.9	70.4	89	43	59	59	60	86	60	62	.510	.520	.543	7.63	1.58	5.5	5.1	4.2	5.0
September	28.800	29.150	28.480	57.9	70.6	69.2	74.6	56.0	65.3	90	42	53	54	54	84	58	61	.414	.432	.438	7.36	3.95	5.0	4.4	4.5	4.8
October	28.953	29.280	28.310	41.3	54.3	52.3	58.2	39.9	49.0	75	20	36	36	37	81	52	58	.225	.228	.241	.59	.23	3.7	4.6	3.1	4.0
November	28.860	29.190	28.370	33.9	45.3	44.4	50.2	31.3	40.8	67	20	29	31	31	81	57	61	.163	.175	.181	.32	.32	4.3	5.4	2.4	4.4
December	28.839	29.430	28.030	27.1	36.8	34.6	41.1	23.8	32.4	59	−10	21	22	21	75	55	58	.116	.123	.118	.73	.60	4.2	5.6	3.7	4.7
Year	28.819	29.690	28.030	42.7	53.4	53.4	58.8	39.8	49.3	99	−11	37	38	38	79	57	58	.278	.283	.292	34.50	3.95	5.1	5.4	4.5	5.1

SPOKANE, WASH.

[ϕ=47° 40′ N.; λ=117° 25′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	27.912	28.300	27.346	31.7	34.9	35.8	38.5	27.8	33.2	52	2	28	29	29	86	77	76	0.158	0.160	0.163	1.90	0.58	7.9	7.8	8.2	7.7
February	28.201	28.500	27.070	18.2	26.0	30.7	32.8	15.1	24.0	54	−9	17	20	23	94	79	72	.098	.116	.125	1.63	.72	6.2	7.5	7.6	7.7
March	28.026	28.450	27.530	32.5	44.7	46.3	48.8	30.2	39.5	70	18	27	28	27	78	52	50	.143	.152	.149	.54	.18	5.1	5.8	5.4	5.8
April	27.891	28.250	27.550	39.9	54.4	56.8	58.7	37.5	48.1	79	30	32	31	31	74	45	41	.182	.180	.174	1.58	.86	5.2	6.1	6.2	6.1
May	27.906	28.357	27.530	47.2	61.1	64.8	66.4	44.7	55.6	82	34	38	37	35	72	43	34	.234	.223	.204	.75	.52	7.3	6.8	6.3	7.0
June	27.859	28.106	27.545	52.8	66.4	69.9	72.1	51.3	61.7	91	42	48	47	46	83	54	47	.332	.330	.315	3.03	1.60	7.1	7.1	6.7	6.7
July	27.913	28.130	27.590	60.3	80.2	84.4	85.7	58.3	72.0	99	50	50	46	42	70	32	24	.362	.317	.277	.77	.50	2.7	3.7	3.9	3.5
August	27.953	28.120	27.779	57.4	78.1	82.1	84.0	55.5	69.8	99	47	49	47	44	74	37	28	.347	.331	.289	2.12	1.65	3.9	3.9	4.1	3.8
September	27.978	28.280	27.718	50.5	71.1	75.1	76.7	47.9	62.3	88	39	41	41	37	72	36	28	.260	.260	.227	.81	.29	3.6	3.0	3.0	3.2
October	28.017	28.390	27.243	42.9	56.1	57.3	60.5	40.2	50.4	81	25	37	38	38	80	54	52	.227	.243	.239	.68	.29	3.0	4.3	5.0	4.6
November	28.100	28.440	27.530	35.2	41.9	43.8	46.3	31.6	39.0	57	25	33	34	35	91	76	73	.187	.209	.207	.87	.60	6.4	6.9	5.2	6.5
December	28.014	28.560	27.230	31.0	34.8	33.8	37.6	27.1	32.4	53	1	26	27	28	84	74	78	.147	.153	.156	1.84	.84	7.8	7.5	7.6	7.7
Year	27.981	28.560	27.070	41.6	54.1	56.7	59.0	38.9	49.0	99	−9	36	35	35	80	55	50	.223	.222	.210	16.02	1.65	5.5	5.9	5.8	5.9

Annual meteorological summary for the year ending December 31, 1923—Continued

SHERIDAN, WYO.

[H_b=3,790 ft.; h_t=10 ft.; h_r=3 ft.; h_a=47 ft.]

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorms	Auroras
	Miles		*Mi.*																									
January	5.9	NW.	40	NW.	1	3	1	2	8	10	10	3	24	1	8	14	9	7	5	7	6	0	0	5	0	30	0	0
February	5.1	NW.	34	NW.	0	4	3	0	8	9	9	4	19	0	9	9	10	6	3	9	6	0	0	11	0	28	0	0
March	6.0	NW.	30	SW.	0	2	4	2	8	12	9	4	19	2	12	9	10	10	8	12	10	0	0	6	0	31	0	0
April	6.5	NW.	39	NW.	0	1	7	4	5	7	8	3	21	4	9	11	10	10	9	12	8	0	1	2	0	23	0	0
May	6.6	NW.	33	NW.	0	2	4	6	16	3	6	3	21	1	12	12	7	14	10	2	0	0	0	0	0	6	8	0
June	6.0	SE.	39	SE.	0	1	5	2	16	6	9	2	17	2	14	13	3	11	10	0	0	0	0	0	0	0	8	0
July	4.8	SE.	30	SE.	0	2	6	7	17	4	8	2	12	4	15	11	5	15	10	0	0	0	0	0	0	9	0	17
August	3.8	NW.	25	SW	0	3	6	3	7	9	12	4	11	7	13	12	6	12	8	0	0	1	1	0	2	0	7	0
September	5.1	NW.	42	NW.	1	0	3	2	6	9	12	3	20	5	16	6	8	8	8	0	0	0	0	0	1	1	3	0
October	5.7	NW.	36	NW.	0	1	5	0	9	14	9	3	20	1	11	14	6	9	8	4	2	0	2	3	0	17	0	0
November	4.7	NW.	37	NW.	0	0	3	1	12	17	4	4	19	0	13	9	8	6	4	3	3	0	1	0	0	28	0	0
December	4.7	S.	46	SW.	1	1	1	0	7	21	11	4	16	1	14	7	10	6	4	7	6	0	0	8	0	31	0	0
Year	5.4	NW.	46	SW.	3	20	48	29	119	121	107	39	219	28	146	127	92	114	87	56	41	1	5	35	12	195	43	0

SHREVEPORT, LA.

[H_b=249 ft.; h_t=77 ft.; h_r=70 ft.; h_a=93 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	8.0	S.*	30	NE.	0	2	3	6	11	22	4	4	10	0	14	3	14	8	7	0	0	1	0	0	0	0	4	0
February	7.6	NE.	28	NE.	0	8	15	4	11	4	4	1	9	0	9	4	15	12	12	2	1	0	0	1	0	7	4	0
March	9.2	SE.	39	NW.	0	5	10	2	17	7	3	3	15	0	12	7	12	13	12	1	0	1	0	0	0	4	7	0
April	7.8	SE.	32	NE.	0	5	11	7	16	9	3	3	6	0	14	9	7	17	11	0	0	0	0	0	0	0	12	0
May	7.3	N.	33	W.	0	14	1	5	13	13	3	1	12	0	11	15	5	9	7	0	0	1	0	0	3	0	11	0
June	6.1	SE.	22	SW.	0	2	2	3	25	19	3	2	4	0	17	9	4	10	8	0	0	0	0	0	15	0	8	0
July	6.0	S.	29	NE.	0	1	6	11	14	15	12	2	1	0	15	13	3	6	4	0	0	1	0	0	20	0	7	0
August	6.0	SE.	18	E.	0	3	7	5	20	13	12	0	2	0	21	6	4	3	3	0	0	0	0	0	25	0	5	0
September	4.8	NE.	22	SE.	0	6	21	6	17	6	2	1	0	1	18	3	9	10	10	0	0	0	0	0	1	0	6	0
October	5.7	NE.	27	NW.	0	11	15	12	11	1	0	1	11	0	16	10	5	6	5	0	0	0	1	0	1	0	1	0
November	5.4	S.	17	N.	0	5	8	2	8	12	8	8	9	0	15	5	10	7	5	0	0	0	0	0	0	0	1	0
December	7.3	S.	26	S.	0	11	5	3	8	17	4	4	10	0	7	4	20	15	13	0	0	0	0	0	0	3	5	0
Year	6.8	SE.	39	NW.	0	73	104	66	171	138	58	30	89	1	169	88	108	116	97	3	1	4	1	1	65	14	71	0

SIOUX CITY, IOWA

[H_b=1,135 ft.; h_t=94 ft.; h_r=86 ft.; h_a=164 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	12.3	NW.	44	NW.	5	10	9	6	7	10	1	4	15	0	9	7	15	6	5	8	6	0	0	10	0	29	0	0
February	13.6	NW.	55	NW.	4	10	5	7	3	4	0	6	21	0	13	10	5	3	1	7	3	0	0	14	0	28	0	0
March	13.9	N.	43	N.	3	16	6	5	9	12	1	4	9	0	7	14	10	7	5	10	7	0	0	11	0	28	0	0
April	13.2	S.	41	NW.	1	11	7	5	7	16	0	2	11	1	12	10	8	11	8	3	3	1	0	1	0	12	3	0
May	12.3	E.	44	N.	2	7	6	14	10	12	2	3	8	0	8	10	13	15	14	0	0	0	0	0	0	0	8	0
June	11.6	S.	42	SE.	2	5	8	8	13	18	2	1	4	1	7	13	10	14	13	0	0	0	1	0	3	0	9	0
July	9.1	S.	36	S.	0	8	10	5	14	20	1	2	2	0	11	16	4	12	7	0	0	0	0	0	10	0	11	0
August	8.1	SE.	36	W.	0	7	12	7	11	7	5	6	5	2	11	13	7	15	14	0	0	0	2	0	0	0	11	0
September	11.2	S.	40	SE.	1	10	9	4	18	7	5	3	4	0	10	13	7	11	8	0	0	0	2	0	1	0	6	0
October	10.5	NW.	34	S.	0	6	5	2	20	4	6	2	17	0	14	11	6	4	4	2	2	0	1	0	0	8	1	0
November	10.3	S.	41	NW.	1	5	2	3	13	12	4	1	20	0	14	9	7	2	2	1	0	0	1	1	0	16	0	0
December	11.0	NW.	40	NW.	1	7	2	2	8	15	5	5	18	0	11	11	9	4	3	5	3	0	1	2	0	25	0	0
Year	11.4	S.	55	NW.	20	102	81	68	133	137	32	39	134	4	127	137	101	104	84	36	24	1	8	39	14	146	49	0

SPOKANE, WASH.

[H_b=1,929 ft.; h_t=101 ft.; h_r=94 ft.; h_a=110 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	7.8	SW.	34	SW.	0	3	7	6	0	8	34	3	1	0	3	7	21	17	11	16	10	0	0	5	0	19	0	0
February	4.0	SW.	32	N.	0	6	14	6	0	0	22	3	5	0	3	5	20	9	6	10	8	0	6	11	0	28	0	0
March	6.9	SW.	40	SW.	1	1	1	8	3	5	26	11	7	0	8	9	14	10	5	12	7	1	2	0	0	20	0	0
April	6.7	SW.	29	SW.	0	0	9	11	3	10	20	2	3	2	7	11	12	10	7	3	0	0	0	0	0	2	0	0
May	6.5	SW.	28	SW.	0	2	6	8	2	9	26	3	6	0	2	15	14	7	3	1	0	0	0	0	0	0	1	0
June	5.7	SW.	22	SW.	0	2	11	6	6	7	20	3	4	1	5	8	17	9	8	0	0	0	0	0	0	2	0	0
July	5.6	SW.	25	W.	0	5	7	5	3	13	24	4	0	1	14	15	2	7	4	0	0	0	0	0	14	0	7	0
August	4.3	SW.	28	SE.	0	7	11	9	6	3	16	3	4	3	15	12	4	6	4	0	0	0	1	0	7	0	4	0
September	4.0	SW.	23	NW.	0	6	10	3	5	3	17	2	7	7	17	6	7	3	1	0	0	0	0	0	0	0	0	0
October	5.2	SW.	29	SW.	0	1	18	12	2	3	18	2	3	3	11	12	8	8	4	0	0	0	2	0	0	5	1	0
November	5.2	SW.	28	SW.	0	5	12	12	1	4	19	2	4	1	7	10	13	9	4	2	2	0	4	0	0	18	0	0
December	7.1	SW.	32	SW.	0	2	10	4	3	4	34	0	2	3	3	8	20	10	7	12	7	0	0	5	0	27	0	0
Year	5.8	SW.	40	SW.	1	40	116	90	34	69	276	38	46	21	95	118	152	105	64	56	34	1	15	21	23	119	18	0

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1928—Continued

SPRINGFIELD, ILL.

[ϕ=39° 48′ N.; λ=89° 39′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Dew point: Noon, local time	Dew point: 8 p. m.	Relative humidity: 8 a. m.	Relative humidity: Noon, local time	Relative humidity: 8 p. m.	Vapor pressure: 8 a. m.	Vapor pressure: Noon, local time	Vapor pressure: 8 p. m.	Precipitation: Total	Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.361	29.970	28.850	31.5	36.5	35.8	40.5	28.8	34.6	54	29	27	28	29	82	73	76	0.147	0.158	0.162	1.06	0.33	7.2	7.7	6.3	7.3
February	29.532	30.150	28.910	22.0	27.6	28.1	33.4	19.1	26.2	48	−3	18	20	22	83	71	75	.110	.121	.126	.79	.55	5.7	6.3	4.8	5.8
March	29.350	29.950	28.170	31.3	40.9	39.1	47.5	27.4	37.4	74	2	25	30	31	79	66	71	.144	.175	.185	5.23	2.69	5.7	4.5	6.2	4.9
April	29.280	29.770	28.700	44.5	57.2	56.2	62.7	40.9	51.8	82	27	36	38	38	73	52	54	.224	.236	.239	1.72	.74	6.5	6.1	5.2	5.9
May	29.224	29.500	28.640	55.4	67.8	66.2	72.7	51.9	62.3	84	36	47	48	50	75	52	60	.344	.363	.391	3.46	1.30	5.8	6.1	6.8	5.7
June	29.274	29.590	28.830	69.3	80.1	76.9	83.7	64.6	74.2	99	51	63	62	62	80	55	63	.585	.568	.583	2.74	1.68	4.0	4.3	5.8	4.3
July	29.311	29.530	29.100	72.2	85.1	83.3	88.9	68.6	78.8	98	57	64	64	64	76	50	54	.606	.596	.610	1.31	.93	4.1	4.0	4.4	4.0
August	29.297	29.510	29.100	68.3	80.3	77.7	84.7	65.3	75.6	97	51	64	65	66	85	61	68	.601	.632	.653	5.35	1.82	5.6	5.2	3.7	4.8
September	29.358	29.640	28.977	60.2	71.2	68.1	74.5	58.2	66.4	83	39	57	58	60	89	66	76	.485	.518	.537	5.66	1.26	6.5	7.1	5.2	6.0
October	29.470	29.790	28.816	44.8	56.8	53.8	60.6	43.4	52.0	77	26	41	41	42	86	58	66	.271	.277	.286	4.53	1.64	4.4	4.3	4.1	4.1
November	29.392	29.750	28.830	36.4	47.9	46.2	51.4	37.1	44.2	66	36	34	36	37	84	66	71	.200	.220	.223	1.44	.60	4.9	5.3	5.5	5.5
December	29.358	29.940	28.740	37.0	43.0	41.2	47.3	34.0	40.6	60	3	34	36	36	88	76	81	.201	.219	.220	3.40	1.76	6.6	6.5	5.3	6.1
Year	29.351	30.150	28.170	47.9	57.9	56.0	62.3	44.9	53.6	99	−3	42	44	45	82	62	68	.326	.340	.351	36.69	2.69	5.6	5.6	5.3	5.4

SPRINGFIELD, MO.

[ϕ=37° 12′ N.; λ=93° 18′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Dew point: Noon, local time	Dew point: 8 p. m.	Relative humidity: 8 a. m.	Relative humidity: Noon, local time	Relative humidity: 8 p. m.	Vapor pressure: 8 a. m.	Vapor pressure: Noon, local time	Vapor pressure: 8 p. m.	Precipitation: Total	Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	28.643	29.150	28.261	36.8	45.4	44.7	51.2	34.2	42.7	64	21	30	33	32	78	65	64	0.176	0.197	0.191	3.43	1.57	3.9	4.9	4.3	5.3
February	28.799	29.390	28.210	26.9	34.2	34.0	40.5	23.6	32.0	55	4	22	24	25	80	68	70	.128	.146	.140	1.27	.50	5.0	5.3	3.5	5.2
March	28.617	29.120	27.670	35.4	44.1	45.2	52.7	30.4	41.6	73	2	28	28	29	75	58	57	.163	.164	.172	2.40	.88	4.5	4.7	3.9	4.9
April	28.559	28.930	28.060	48.6	59.7	59.4	65.0	45.3	55.2	83	27	40	42	42	74	54	57	.263	.289	.289	3.38	.74	5.1	4.5	4.3	4.4
May	28.487	28.820	28.000	57.3	66.1	65.9	71.1	53.7	62.4	85	34	52	54	55	82	67	69	.396	.442	.452	4.55	1.55	5.1	5.1	5.3	5.2
June	28.566	28.800	28.200	68.5	76.7	74.6	80.9	64.8	72.8	91	53	66	68	67	90	76	79	.635	.704	.679	6.10	1.98	4.3	5.7	3.8	4.2
July	28.620	28.810	28.450	71.6	81.6	81.5	85.5	68.8	77.2	95	57	67	68	69	85	64	66	.660	.678	.709	2.67	1.17	3.2	3.4	2.1	2.8
August	28.601	28.770	28.380	71.4	84.8	82.0	89.0	68.2	78.6	100	54	64	62	64	79	48	57	.616	.567	.621	.78	.50	2.9	2.8	2.6	2.8
September	28.645	28.825	28.300	63.3	73.3	71.5	77.5	60.8	69.2	88	52	59	58	59	85	62	66	.508	.495	.507	3.82	1.59	5.6	4.9	2.8	4.8
October	28.741	29.050	28.150	47.9	57.8	55.3	61.4	46.1	53.8	74	27	43	44	45	84	63	71	.297	.308	.325	4.79	1.79	4.4	5.1	4.0	5.2
November	28.686	28.980	28.220	40.8	51.4	49.3	54.8	39.3	47.0	68	24	36	36	37	83	59	64	.216	.221	.225	3.47	1.16	4.2	4.1	4.0	4.5
December	28.654	29.180	28.100	38.3	45.9	44.5	51.3	34.4	42.8	69	7	35	37	36	88	71	75	.215	.234	.230	2.92	1.55	5.3	4.5	4.2	5.4
Year	28.635	29.390	27.670	50.6	60.1	59.0	65.1	47.5	56.3	100	2	45	46	47	82	63	66	.356	.370	.378	39.53	1.98	4.5	4.6	3.7	4.6

SYRACUSE, N. Y.

[ϕ=43° 02′ N.; λ=76° 10′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Dew point: Noon, local time	Dew point: 8 p. m.	Relative humidity: 8 a. m.	Relative humidity: Noon, local time	Relative humidity: 8 p. m.	Vapor pressure: 8 a. m.	Vapor pressure: Noon, local time	Vapor pressure: 8 p. m.	Precipitation: Total	Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.404	30.180	28.810	20.1	22.1	----	28.8	13.7	21.2	46	−5	16	17	----	79	80	----	0.093	0.098	----	3.78	0.54	9.2	8.8	----	8.7
February	29.446	29.970	28.860	17.6	20.9	----	27.2	12.0	19.6	42	−3	13	14	----	80	73	----	.082	.086	----	1.89	.25	8.1	7.6	----	8.0
March	29.334	30.041	28.854	27.0	31.0	----	37.7	20.6	29.2	60	2	18	19	----	70	60	----	.112	.116	----	2.91	1.04	7.8	7.5	----	7.2
April	29.319	29.960	28.752	41.3	46.3	----	53.2	34.5	43.8	81	7	29	29	----	62	53	----	.166	.169	----	2.31	.90	5.9	6.6	----	6.3
May	29.328	29.727	28.810	51.6	57.9	----	63.6	42.6	53.1	80	30	40	40	----	67	55	----	.259	.260	----	2.34	.81	4.4	5.0	----	4.3
June	29.271	29.590	28.740	65.4	71.4	----	75.8	58.6	66.9	90	46	55	57	----	72	64	----	.453	.485	----	2.90	.71	5.9	6.1	----	5.7
July	29.393	29.748	29.050	66.3	74.3	----	78.5	59.5	69.0	88	50	56	55	----	72	52	----	.462	.436	----	2.78	1.17	5.4	5.4	----	5.5
August	29.349	29.562	28.950	63.7	71.9	----	76.2	56.5	66.4	88	45	53	52	----	70	53	----	.419	.411	----	1.16	.59	4.5	5.8	----	5.0
September	29.462	29.943	29.180	59.7	66.5	----	70.3	54.1	62.2	86	38	53	54	----	80	67	----	.425	.440	----	2.94	.91	7.2	7.5	----	6.9
October	29.475	29.815	28.940	46.3	54.1	----	57.9	41.7	49.8	80	31	39	40	----	76	62	----	.241	.262	----	3.16	2.52	5.4	6.4	----	6.2
November	29.417	29.920	28.820	37.6	42.1	----	46.3	33.6	40.0	60	24	31	32	----	79	71	----	.179	.187	----	1.90	.70	8.1	7.8	----	8.1
December	29.372	30.056	28.530	35.8	38.7	----	41.9	31.0	36.4	61	17	29	29	----	76	69	----	.165	.165	----	2.74	.78	8.7	8.5	----	8.5
Year	29.381	30.180	28.530	44.4	49.8	----	54.8	38.2	46.5	90	−5	36	36	----	74	63	----	.255	.260	----	31.01	2.52	6.7	6.9	----	6.7

TACOMA, WASH.

[ϕ=47° 16′ N.; λ=122° 23′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Dew point: Noon, local time	Dew point: 8 p. m.	Relative humidity: 8 a. m.	Relative humidity: Noon, local time	Relative humidity: 8 p. m.	Vapor pressure: 8 a. m.	Vapor pressure: Noon, local time	Vapor pressure: 8 p. m.	Precipitation: Total	Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.772	30.180	29.210	----	41.9	42.0	44.4	35.9	40.2	53	20	----	37	38	----	83	85	----	0.224	0.232	10.90	2.34	----	8.1	8.3	8.0
February	30.050	30.450	28.950	----	37.8	41.4	42.9	30.8	36.8	55	15	----	34	36	----	87	82	----	.202	.217	3.23	1.32	----	7.8	7.4	7.3
March	29.978	30.400	29.500	----	46.7	49.2	50.9	36.4	43.6	76	26	----	39	39	----	76	71	----	.241	.240	2.07	.87	----	6.8	6.8	6.6
April	29.775	30.220	29.413	----	54.8	57.0	59.1	42.8	51.0	81	37	----	44	43	----	68	62	----	.289	.279	1.14	.36	----	7.0	6.8	6.9
May	29.833	30.110	29.450	----	58.1	60.5	62.6	46.8	54.7	76	39	----	44	44	----	62	56	----	.296	.290	1.39	.32	----	7.8	8.4	7.4
June	29.757	29.960	29.523	----	65.6	68.3	70.6	52.6	61.6	84	47	----	49	48	----	56	49	----	.349	.335	.29	.17	----	6.1	6.2	6.0
July	29.826	30.040	29.520	----	68.4	72.8	75.0	55.9	65.4	92	52	----	53	52	----	59	50	----	.405	.364	.76	.47	----	4.7	4.1	5.4
August	29.833	29.970	29.590	----	68.2	72.7	75.6	56.3	66.0	88	52	----	55	54	----	63	49	----	.429	.413	2.28	1.75	----	5.4	4.5	5.2
September	29.844	30.120	29.494	----	62.4	67.1	68.5	51.2	59.8	81	44	----	52	52	----	68	61	----	.395	.394	1.16	1.08	----	4.6	5.5	5.5
October	29.832	30.270	29.040	----	57.3	58.8	61.1	45.6	53.4	77	34	----	48	48	----	72	68	----	.340	.337	2.41	1.16	----	6.1	7.0	6.7
November	29.904	30.250	29.310	----	48.5	50.3	52.2	40.7	46.4	62	32	----	45	46	----	88	87	----	.296	.313	1.85	.79	----	8.6	8.0	8.5
December	29.846	30.410	29.030	----	43.1	43.3	47.0	36.5	41.8	59	17	----	40	40	----	88	88	----	.248	.248	4.83	1.59	----	8.2	8.3	8.4
Year	29.854	30.450	28.950	----	54.5	57.0	59.2	44.3	51.7	92	15	----	45	45	----	72	67	----	.310	.307	32.31	2.34	----	6.8	6.8	6.8

Annual meteorological summary for the year ending December 31, 1923—Continued

SPRINGFIELD, ILL.

[H_b=636 ft.; h_t=10 ft.; h_r=4 ft.; h_a=91 ft.]

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorms	Auroras
	Miles		*Mi.*																									
January	9.8	W.	29	S.	0	5	3	5	10	10	7	11	11	0	5	8	18	9	6	3	2	0	2	4	0	24	0	0
February	9.6	NW.	32	W.	0	6	2	2	8	7	5	10	16	0	9	7	12	9	4	10	3	0	3	11	0	25	1	0
March	11.0	S.	30	SW.	0	8	2	5	7	11	7	9	13	0	13	6	12	9	9	8	3	0	0	3	0	23	2	0
April	10.0	S.	32	S.	0	8	8	8	3	10	11	7	5	0	9	7	14	9	6	2	1	0	0	0	0	3	2	0
May	8.9	E.	36	NW.	0	3	14	12	9	8	3	6	7	0	7	13	11	12	11	1	1	0	0	0	0	0	8	0
June	7.3	S.	29	N.	0	6	5	3	8	19	10	5	4	0	15	10	5	8	6	0	0	0	0	0	9	0	11	0
July	5.9	SW.	22	SE.	0	2	11	7	6	12	12	8	4	0	15	12	4	6	5	0	0	0	0	0	14	0	6	0
August	6.0	NE.	38	NW.	0	2	12	8	6	7	9	15	3	0	13	9	9	9	8	0	0	1	0	0	5	0	9	0
September	6.6	SE.	21	S.	0	4	8	9	13	11	8	4	3	0	7	9	14	9	9	0	0	0	0	0	0	0	10	0
October	6.9	NW.	28	NW.	0	5	7	11	9	3	3	10	13	1	16	5	10	9	7	1	0	0	0	0	0	2	1	0
November	7.7	S.	23	NW.	0	9	2	5	8	10	6	11	9	0	11	6	13	9	6	0	0	0	1	0	0	8	0	0
December	8.7	S.	29	W.	0	8	4	5	5	13	7	13	7	0	11	3	17	9	8	3	3	0	2	0	0	8	0	0
Year	8.2	S.	38	NW.	0	66	78	80	92	121	88	109	95	1	131	95	139	107	85	28	13	1	8	18	28	93	50	0

SPRINGFIELD, MO.

[H_b=1,324 ft.; h_t=98 ft.; h_r=66 ft.; h_a=104 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	11.2	SE.	40	W.	1	3	5	3	15	11	3	11	11	0	14	4	13	6	5	0	0	1	0	1	0	11	1	0
February	10.3	N.	35	NW.	0	14	4	2	6	9	0	6	15	0	12	5	11	9	8	5	3	0	0	7	0	24	1	0
March	13.7	SE.	46	W.	2	5	5	3	15	11	5	6	12	0	14	5	12	6	6	4	1	0	0	1	0	17	2	0
April	11.1	S.	40	SW.	2	5	6	6	13	13	0	5	11	1	15	5	10	11	11	0	0	0	1	0	0	2	5	0
May	10.2	SE.	36	E.	0	5	5	12	19	6	5	2	8	0	10	12	9	15	9	0	0	0	0	0	0	0	8	0
June	9.1	SE.	52	NW.	1	5	2	6	20	10	7	2	8	0	15	10	5	13	10	0	0	1	0	0	3	0	11	0
July	6.8	SE.	21	NW.	0	5	9	6	19	10	4	5	4	0	23	5	3	8	7	0	0	0	0	0	2	0	5	0
August	7.9	S.	30	N.	0	7	5	6	17	20	4	1	2	0	20	9	2	6	4	0	0	0	0	0	15	0	5	0
September	8.9	SE.	26	SE.	0	6	2	4	28	6	8	1	5	0	11	12	7	12	10	0	0	0	0	0	0	0	6	0
October	7.6	SE.	28	NW.	0	8	8	9	16	5	1	2	13	0	11	7	13	17	14	0	0	0	6	0	0	2	2	0
November	9.1	NW.	27	S.	0	3	6	4	9	9	7	7	15	0	16	4	10	9	6	2	1	0	0	0	0	6	0	0
December	10.7	NW.	34	SW.	0	7	5	2	13	9	7	5	14	0	11	8	12	9	9	4	0	0	4	1	0	12	0	0
Year	9.7	SE.	52	NW.	6	73	62	63	190	119	51	53	118	1	172	86	107	121	99	15	5	2	11	10	20	74	46	0

SYRACUSE, N. Y.

[H_b=597 ft.; h_t=97 ft.; h_r=65 ft.; h_a=113 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	11.3	NW.	51	S.	3	5	4	10	6	7	6	10	14	0	2	3	26	22	18	23	20	0	0	20	0	31	0	0
February	11.9	NW.	51	W.	3	3	4	2	6	12	5	14	10	0	0	10	18	21	15	22	17	0	2	18	0	28	0	0
March	15.3	NW.	65	S.	8	2	1	9	2	13	6	18	11	0	3	11	17	19	12	21	14	0	0	10	0	26	0	0
April	12.1	W.	43	W.	2	2	3	3	3	12	9	12	15	1	5	12	13	14	10	9	5	0	0	1	0	13	0	0
May	10.0	NW.	47	S.	3	10	1	1	6	9	9	10	15	1	17	4	10	10	8	1	1	0	1	0	0	2	2	0
June	9.2	NW.	39	NW.	0	4	5	1	0	5	12	19	14	0	7	15	8	11	10	0	0	0	0	0	1	0	6	0
July	7.2	S.	26	NW.	0	10	3	3	1	20	4	6	15	0	8	14	9	10	8	0	0	0	0	0	0	0	3	1
August	8.9	S.	37	W.	0	7	2	3	2	21	7	11	8	1	10	16	5	8	6	0	0	0	0	0	0	0	7	0
September	8.2	S.	32	S.	0	5	3	1	4	24	6	6	9	2	4	9	17	12	9	0	0	0	1	0	0	0	3	0
October	8.2	W.	50	W.	1	4	3	3	8	9	11	13	10	1	6	10	15	12	8	1	1	0	0	0	0	1	1	2
November	10.3	S.	41	S.	1	2	1	5	4	18	11	10	9	0	3	6	21	14	10	7	2	0	0	1	0	13	0	0
December	11.8	S.	58	S.	1	4	2	7	3	13	8	13	12	0	1	5	25	18	12	12	8	0	0	6	0	17	0	0
Year	10.4	S.	65	S.	22	58	32	48	45	163	94	142	142	6	66	115	184	171	126	96	68	0	4	56	1	131	22	3

TACOMA, WASH.

[H_b=194 ft.; h_t=172 ft.; h_r=165 ft.; h_a=201 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	8.8	SW.	36	SW.	0	3	5	0	0	7	14	1	1	0	1	10	20	20	20	3	1	0	1	0	0	7	1	0
February	4.8	N.	39	N.	0	11	4	0	2	1	5	7	4	0	3	9	16	11	8	5	3	0	0	2	0	17	0	0
March	7.7	SW.	36	SW.	0	9	1	2	0	0	13	5	1	0	4	15	12	15	11	4	1	0	1	0	0	5	0	0
April	6.2	N.	26	SW.	0	12	2	2	1	0	6	7	0	0	4	11	15	11	10	0	0	0	0	0	0	0	1	0
May	6.5	SW.	32	W.	0	12	0	0	0	1	9	8	1	0	1	12	18	15	9	0	0	0	0	0	0	0	0	0
June	7.9	W.	28	N.	0	10	2	0	0	0	5	10	3	0	5	15	10	5	2	0	0	0	0	0	0	0	1	0
July	7.2	N.	24	W.	0	13	1	0	0	1	3	10	3	0	9	14	8	5	4	0	0	0	0	0	1	0	0	0
August	6.3	N.	27	W.	0	17	0	0	0	1	3	9	1	0	7	21	3	4	2	0	0	0	0	0	0	0	1	0
September	5.3	N.	30	S.	0	17	0	1	0	3	4	3	2	0	8	14	8	4	2	0	0	0	4	0	0	0	0	0
October	5.6	S.	39	SW.	0	11	1	4	0	4	4	4	3	0	4	14	13	8	6	0	0	0	7	0	0	0	0	0
November	4.1	S.	17	N.	0	4	1	3	4	8	3	1	5	1	1	6	23	12	10	0	0	0	10	0	0	0	0	0
December	9.7	S.	52	S.	2	4	0	0	0	11	12	3	1	0	1	6	24	21	15	2	0	0	3	1	0	5	0	0
Year	6.7	N.	52	S.	2	123	17	12	7	37	81	62	25	1	48	147	170	131	99	14	5	0	35	3	1	34	4	0

Annual meteorological summary for the year ending December 31, 1923—Continued

TAMPA, FLA.

[ϕ=27° 57′ N.; λ= 82° 27′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	30.131	30.510	29.900	56.9	68.7	63.9	71.4	54.7	63.0	81	43	52	53	54	86	60	70	0.417	0.434	0.433	0.90	0.53	4.1	4.2	3.5	4.3
February	30.153	30.420	29.960	57.4	69.1	64.4	71.9	55.3	63.6	83	35	50	50	52	78	54	67	.409	.417	.436	.61	.60	4.2	4.9	3.5	4.9
March	30.065	30.320	29.770	63.9	75.3	69.4	78.3	60.3	69.3	87	48	57	56	59	79	53	70	.490	.481	.518	1.08	.71	4.9	5.2	3.0	4.6
April	29.975	30.250	29.720	68.9	79.3	73.2	81.5	64.6	73.0	88	52	62	59	62	79	50	69	.568	.508	.570	.67	.22	5.1	5.2	3.9	4.7
May	29.887	30.120	29.590	72.9	80.9	74.8	82.6	67.2	74.9	88	55	66	64	66	81	58	74	.650	.613	.642	5.59	3.55	4.8	6.1	5.7	5.5
June	29.980	30.160	29.860	77.8	83.2	77.8	85.4	72.9	79.2	90	68	73	71	72	86	67	82	.813	.752	.776	6.33	1.48	7.1	7.8	7.4	7.5
July	30.001	30.150	29.850	79.3	85.5	79.7	87.4	74.5	81.0	92	68	73	71	72	81	63	78	.809	.758	.787	4.88	1.38	4.6	7.1	7.7	6.6
August	30.024	30.140	29.910	79.1	86.5	79.5	89.3	74.5	81.9	93	71	74	73	73	84	65	82	.828	.809	.818	5.52	1.95	4.1	6.0	7.1	6.1
September	29.959	30.130	29.770	76.7	86.1	78.4	87.4	72.5	80.0	92	69	72	70	71	85	59	79	.779	.723	.767	6.68	1.93	4.0	6.5	5.7	5.9
October	29.963	30.230	29.590	68.4	78.2	72.1	79.1	65.4	72.2	88	51	62	63	64	81	61	76	.587	.592	.605	4.10	3.03	5.2	5.1	2.8	5.5
November	30.049	30.300	29.830	58.0	70.7	63.6	71.6	55.3	63.4	80	45	52	52	54	81	54	72	.404	.416	.439	.30	.15	4.6	5.2	4.4	5.1
December	30.107	30.360	29.750	60.4	72.5	66.6	74.0	58.6	66.3	79	42	57	58	58	90	61	75	.484	.424	.498	.47	.39	4.7	6.0	3.9	5.8
Year	30.024	30.510	29.590	68.3	78.0	72.0	80.0	64.6	72.3	93	35	62	62	63	83	59	74	.605	.583	.607	37.08	3.55	4.8	5.9	5.0	5.5

TATOOSH ISLAND, WASH.

[ϕ=48° 23′ N.; λ=124° 44′ W.]

Month	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
January	29.821	30.320	29.060	41.4	42.9	42.1	45.0	39.1	42.0	52	31	38	40	38	88	88	86	0.235	0.247	0.235	14.30	2.46	6.9	7.8	7.4	7.9
February	30.138	30.540	29.129	38.6	40.9	41.2	43.6	36.5	40.0	55	16	36	38	37	91	88	86	.217	.229	.226	7.76	4.57	5.3	7.5	7.6	7.5
March	30.074	30.470	29.580	41.6	44.6	44.9	46.9	39.4	43.2	61	34	40	42	42	94	89	88	.248	.263	.265	5.66	1.40	5.3	6.5	6.8	7.0
April	29.887	30.360	29.410	45.2	49.1	49.1	51.9	43.4	47.6	61	36	44	46	46	95	90	90	.287	.313	.316	3.75	.93	7.7	7.1	7.0	7.9
May	29.937	30.170	29.450	47.5	51.1	51.1	53.1	46.4	49.8	59	40	46	49	49	96	92	92	.317	.344	.345	2.91	.60	9.0	8.4	7.9	9.0
June	29.876	30.106	29.640	51.2	55.7	56.1	58.2	49.7	54.0	72	45	50	53	54	97	92	93	.367	.410	.415	.57	.29	7.4	5.9	6.4	7.7
July	29.957	30.186	29.590	54.2	58.5	58.6	60.7	52.8	56.8	77	49	53	56	56	97	92	91	.403	.448	.444	1.38	.75	7.7	6.1	5.9	7.2
August	29.906	30.130	29.766	54.4	59.1	58.9	61.6	52.4	57.0	68	49	54	57	57	96	92	94	.412	.461	.465	1.80	1.45	5.9	5.5	4.5	7.2
September	29.955	30.179	29.488	52.7	56.6	56.6	59.5	50.1	54.8	70	45	52	54	54	96	91	92	.382	.419	.418	1.74	.62	4.6	4.4	3.9	5.8
October	29.913	30.327	28.877	52.0	54.9	53.9	57.4	49.3	53.4	69	45	49	52	51	91	91	90	.354	.391	.373	3.17	1.19	5.1	5.5	6.3	7.2
November	29.963	30.348	29.268	45.2	50.7	49.4	52.2	45.9	49.0	59	41	47	49	48	96	93	94	.327	.344	.330	7.05	1.28	5.8	6.6	7.3	7.2
December	29.874	30.420	28.915	43.5	44.5	44.3	47.8	40.4	44.1	58	24	41	40	40	90	86	87	.260	.256	.258	21.00	3.94	7.6	8.5	9.5	8.6
Year	29.947	30.540	28.877	47.5	50.7	50.5	53.2	45.4	49.3	77	16	46	48	48	94	90	90	.317	.344	.341	71.09	4.57	6.5	6.6	6.7	7.5

TAYLOR, TEX.

[ϕ=30° 35′ N.; λ=97° 20′ W.]

Month	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
January	29.485	30.010	29.130	50.3	65.1	----	70.5	47.4	59.0	84	34	43	44	----	78	52	----	0.320	0.344	----	0.37	0.27	4.3	5.8	----	5.1
February	29.578	30.040	29.120	44.4	51.6	----	56.6	41.7	49.2	80	18	41	42	----	89	74	----	.286	.298	----	4.08	1.77	7.9	7.5	----	7.8
March	29.455	29.970	28.813	48.8	59.7	----	66.3	44.4	55.4	79	23	42	39	----	77	51	----	.297	.275	----	3.23	1.96	5.4	5.8	----	5.5
April	29.342	29.711	29.020	60.1	72.1	----	76.2	58.5	67.4	87	45	56	56	----	88	61	----	.476	.475	----	4.91	2.59	6.8	6.0	----	6.2
May	29.265	29.672	28.800	67.1	81.6	----	86.5	64.5	75.5	93	53	61	60	----	80	50	----	.551	.537	----	1.51	1.14	4.8	3.9	----	3.9
June	29.328	29.510	29.110	74.3	88.1	----	91.9	72.1	82.0	97	64	71	67	----	89	50	----	.757	.559	----	1.81	.92	5.8	5.5	----	5.4
July	29.396	29.580	29.220	74.4	89.5	----	93.6	72.7	83.2	99	65	70	67	----	88	48	----	.743	.657	----	1.22	.81	4.3	4.8	----	4.7
August	29.400	29.560	29.180	74.2	90.5	----	95.1	73.0	84.0	100	67	70	66	----	87	45	----	.738	.631	----	1.38	1.19	3.6	3.6	----	4.3
September	29.403	29.560	29.210	71.4	88.5	----	87.0	69.9	78.4	94	60	69	67	----	92	60	----	.714	.669	----	5.19	1.75	6.4	6.1	----	6.0
October	29.461	29.830	28.930	59.0	71.5	----	74.8	56.6	65.7	90	43	56	58	----	89	61	----	.461	.476	----	3.26	1.50	6.2	6.1	----	6.0
November	29.527	29.780	29.120	49.5	62.6	----	66.2	48.3	57.2	79	37	46	46	----	88	58	----	.318	.327	----	3.25	1.28	6.1	5.6	----	5.9
December	29.490	30.000	29.080	49.3	54.6	----	60.0	46.9	53.4	78	27	46	46	----	90	76	----	.339	.345	----	5.54	1.91	8.8	8.4	----	8.2
Year	29.428	30.040	28.800	60.2	72.5	----	77.1	58.0	67.5	100	18	56	55	----	86	57	----	.500	.474	----	35.75	2.59	5.9	5.8	----	5.8

TERRE HAUTE, IND.

[ϕ=39° 29′ N.; λ=87° 24′ W.]

Month	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
January	29.448	30.030	28.890	32.7	37.7	37.4	43.1	29.4	36.2	58	22	29	32	32	86	78	80	0.161	0.181	0.185	1.86	0.50	7.4	7.4	6.4	7.5
February	29.596	30.170	29.030	28.2	29.0	29.4	34.5	20.0	27.2	51	0	18	22	22	78	76	74	.112	.137	.132	1.32	.62	6.4	7.3	6.2	6.8
March	29.431	29.980	28.380	33.0	41.7	41.6	50.2	29.2	39.7	70	5	26	30	32	76	64	68	.151	.178	.191	5.05	2.80	5.8	4.9	5.3	5.6
April	29.366	29.920	28.890	44.7	56.2	56.6	61.9	41.2	51.6	81	23	37	38	40	74	55	57	.226	.241	.257	2.66	1.16	5.9	5.8	4.3	5.6
May	29.293	29.600	28.720	56.6	66.9	65.6	72.5	52.2	62.4	84	33	46	48	50	70	54	60	.338	.358	.381	6.20	2.98	6.1	6.2	6.6	6.2
June	29.361	29.656	28.890	68.9	79.6	77.2	82.4	64.1	73.2	98	47	62	61	62	78	55	61	.562	.547	.574	2.21	.94	4.2	4.9	3.7	4.7
July	29.388	29.610	29.150	71.3	84.0	82.3	87.9	67.4	77.6	96	55	62	60	62	74	47	53	.567	.523	.574	.59	.33	4.3	4.3	4.5	5.0
August	29.376	29.560	29.140	68.1	80.6	77.6	84.4	64.6	74.5	93	50	63	66	66	83	64	69	.587	.670	.661	6.91	2.75	5.3	5.4	5.7	5.6
September	29.447	29.730	29.070	61.0	72.6	69.4	75.6	58.7	67.2	85	39	57	57	58	87	60	69	.487	.490	.512	3.40	1.81	6.2	6.8	6.8	6.8
October	29.535	29.850	28.740	46.0	59.5	55.5	63.3	43.9	53.6	79	25	41	44	43	83	62	65	.266	.304	.287	3.82	2.34	4.2	5.1	3.6	4.8
November	29.466	29.850	28.980	39.0	48.6	47.4	52.7	37.4	45.0	67	30	34	38	38	81	69	70	.196	.236	.232	1.53	.69	5.0	5.7	5.3	6.0
December	29.430	30.020	28.860	38.8	45.1	44.1	50.4	35.6	43.0	65	14	35	39	38	87	79	81	.216	.249	.250	4.23	1.45	6.9	7.3	6.3	7.3
Year	29.428	30.170	28.380	48.6	58.5	57.0	63.2	45.3	54.3	98	0	42	45	45	80	64	67	.322	.344	.353	39.28	2.98	5.6	5.9	5.4	6.0

Annual meteorological summary for the year ending December 31, 1923—Continued

TAMPA, FLA.

[H_b=35 ft.; h_t=79 ft.; h_r=71 ft.; h_a=87 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	5.3	E.	21	NW.	0	10	14	9	1	5	3	12	8	0	16	9	6	4	4	0	0	0	4	0	0	0	1	0
February	5.8	N.	23	S.	0	16	9	4	2	6	6	9	4	0	8	14	6	3	2	0	0	0	5	0	0	0	0	0
March	7.0	E.	23	SW.	0	6	12	8	7	3	4	12	9	1	11	14	6	5	3	0	0	0	1	0	0	0	1	0
April	6.9	W.	30	NE.	0	3	13	9	2	3	6	15	9	0	9	20	1	7	6	0	0	0	1	0	0	0	3	0
May	6.4	W.	26	NE.	0	1	7	14	10	6	1	15	8	0	6	17	8	14	11	0	0	1	1	0	0	0	14	0
June	6.0	W.	27	E.	0	1	10	17	5	3	8	15	1	0	1	14	15	18	16	0	0	0	1	0	1	0	16	0
July	5.2	W.	31	NE.	0	1	12	5	5	11	4	17	6	1	1	21	9	17	13	0	0	0	0	0	4	0	20	0
August	4.5	E.	28	SE.	0	2	9	20	12	3	2	8	4	2	3	17	11	16	15	0	0	0	1	0	15	0	23	0
September	5.0	NE.	25	NE.	0	7	23	17	5	0	0	1	5	2	2	21	7	16	13	0	0	0	1	0	3	0	16	0
October	7.4	NE.	30	NW.	0	11	23	7	3	1	0	5	9	3	9	11	11	6	5	0	0	0	2	0	0	0	2	0
November	5.8	N.	21	E.	0	17	11	8	4	4	0	6	10	0	9	12	9	4	4	0	0	0	3	0	0	0	0	0
December	5.3	NE.	22	SW.	0	9	17	14	3	6	2	5	5	1	5	15	11	3	2	0	0	0	5	0	0	0	0	0
Year	5.9	E.	31	NE.	0	84	160	132	59	51	36	120	78	10	80	185	100	113	94	0	0	1	25	0	23	0	96	0

TATOOSH ISLAND, WASH.

[H_b=86 ft.; h_t=9 ft.; h_r=4 ft.; h_a=53 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	18.8	E.	60	S.	14	0	5	20	13	5	11	7	1	0	3	6	22	24	21	2	2	0	0	0	0	2	0	0
February	17.7	E.	86	NE.	8	0	14	19	4	8	2	4	5	0	4	7	17	13	11	4	4	0	1	2	0	4	0	0
March	17.8	W.	56	S.	12	2	11	6	0	8	14	15	6	0	5	10	16	18	14	0	0	1	0	0	0	0	0	0
April	14.5	S.	52	S.	7	4	5	12	1	14	9	13	0	2	1	8	21	17	11	0	0	0	4	0	0	0	0	0
May	11.1	W.	39	S.	0	2	2	8	2	13	18	14	3	0	1	3	27	18	13	0	0	0	5	0	0	0	0	0
June	9.1	SW.	31	SW.	0	3	5	3	0	13	11	21	3	1	2	10	18	6	4	0	0	0	6	0	0	0	1	0
July	8.9	SW.	38	SW.	0	0	4	4	0	20	14	17	3	0	4	6	21	6	5	0	0	0	12	0	0	0	0	0
August	8.9	S.	42	E.	1	0	2	10	0	21	19	8	2	0	1	15	15	10	5	0	0	0	18	0	0	0	2	0
September	11.1	S.	46	E.	3	3	8	11	3	20	10	2	2	1	8	10	12	8	5	0	0	0	7	0	0	0	0	0
October	17.7	E.	65	SW.	10	0	5	30	4	8	4	9	1	1	5	10	16	14	9	0	0	1	3	0	0	0	0	0
November	22.8	E.	54	SW.	18	1	3	31	1	10	1	10	3	0	7	4	19	18	18	0	0	0	1	0	0	0	0	0
December	23.2	S.	90	S.	20	0	0	17	7	20	4	7	7	0	2	4	25	28	27	2	0	0	0	1	0	2	0	0
Year	15.1	E.	90	S.	93	15	64	171	35	160	117	127	36	5	43	93	229	180	143	8	6	2	57	3	0	8	3	0

TAYLOR, TEX.

[H_b=583 ft.; h_t=55 ft.; h_r=48 ft.; h_a=63 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	9.9	S.	33	S.	0	5	2	0	4	13	1	1	4	1	11	9	11	4	3	0	0	0	3	0	0	0	2	0
February	8.8	N.	33	N.	0	13	2	1	1	5	2	0	3	1	5	3	20	17	14	2	2	0	1	2	0	6	2	0
March	11.5	N.	44	SW.	1	5	1	0	7	5	0	2	10	1	9	9	13	7	6	0	0	0	0	0	0	3	1	0
April	9.1	SE.	30	SW.	0	3	3	3	8	3	2	5	3	0	7	10	13	10	8	0	0	1	0	0	0	0	5	0
May	10.2	SE.	42	S.	1	5	0	2	9	4	0	3	6	2	15	12	4	5	4	0	0	0	0	0	11	0	6	0
June	8.9	SE.	36	NE.	0	2	1	2	14	11	0	0	0	0	5	21	4	6	6	0	0	0	0	0	26	0	6	0
July	7.6	S.	32	S.	0	0	1	2	6	16	4	0	1	1	9	18	4	4	2	0	0	0	0	0	24	0	2	0
August	8.0	S.	31	SW.	0	2	2	1	3	22	1	0	0	0	12	17	2	5	3	0	0	0	0	0	29	0	2	0
September	5.9	SE.	28	SE.	0	2	3	4	10	8	2	0	1	0	6	14	10	10	8	0	0	0	1	0	6	0	7	0
October	6.9	N.	36	NW.	0	11	6	6	2	0	0	0	5	1	9	5	17	12	9	0	0	0	1	0	2	0	4	0
November	6.7	NW.	22	S.	0	4	2	3	4	5	2	3	6	1	9	7	14	7	5	0	0	0	0	0	0	0	1	0
December	8.7	NW.	32	SW.	0	9	0	1	0	6	3	2	9	1	2	7	22	15	13	0	0	0	2	0	0	3	1	0
Year	8.5	S.	44	SW.	2	61	23	25	68	98	17	16	48	9	99	132	134	102	81	2	2	1	8	2	98	12	39	0

TERRE HAUTE, IND.

[H_b=575 ft.; h_t=96 ft.; h_r=84 ft.; h_a=129 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	10.9	NW.	39	NW.	0	6	2	6	12	10	3	12	11	0	4	7	20	9	7	5	1	0	2	2	0	23	1	0
February	11.0	NW.	39	W.	0	8	3	2	2	9	6	5	21	0	6	7	15	9	6	9	5	0	2	14	0	24	1	0
March	13.5	NW.	56	SW.	3	6	3	2	7	14	9	6	15	0	9	15	7	13	7	6	1	0	0	2	0	21	1	0
April	11.6	S.	40	SW.	1	5	4	9	5	16	7	8	6	0	6	16	8	10	7	2	1	0	0	0	0	2	1	0
May	9.1	NE.	38	W.	0	3	18	11	9	7	5	6	3	0	3	17	11	13	10	2	1	0	0	0	0	0	10	0
June	8.5	S.	28	NW.	0	7	6	5	9	21	7	2	3	0	8	14	8	10	9	0	0	0	0	0	7	0	7	0
July	7.0	SW.	28	E.	0	5	16	13	5	6	10	5	2	0	5	23	3	7	5	0	0	0	1	0	11	0	6	0
August	6.9	SW.	48	W.	2	7	14	6	5	10	10	4	6	0	4	21	6	10	9	0	0	0	0	0	8	0	10	0
September	7.2	S.	40	N.	1	8	13	9	9	12	5	2	2	0	3	13	14	10	9	0	0	0	2	0	0	0	6	0
October	8.2	NE.	32	NW.	0	11	15	3	7	6	1	5	14	0	11	12	8	7	5	0	0	0	1	0	0	2	0	0
November	8.9	NW.	36	S.	0	7	5	7	5	11	7	2	18	0	9	8	13	9	5	0	0	0	2	0	0	4	1	0
December	10.1	S.	37	W.	0	9	5	3	4	18	8	7	8	0	6	5	20	16	13	2	0	0	3	0	0	9	0	0
Year	9.4	S.	56	SW.	7	82	104	76	79	140	78	64	107	0	74	158	133	123	92	26	9	0	13	18	24	85	44	0

Annual meteorological summary for the year ending December 31, 1923—Continued

THOMASVILLE, GA.

[ϕ=30° 48′ N.; λ=83° 58′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.806	30.240	29.560	48.7	62.7	58.0	67.3	46.2	56.8	78	33	45	47	46	86	60	68	0.312	0.345	0.337	3.94	2.18	5.0	5.1	2.8	4.7
February	29.896	30.220	29.630	49.0	60.0	57.0	64.6	46.5	55.6	80	25	43	47	48	82	67	73	.330	.378	.371	3.35	2.03	6.2	5.8	4.4	5.8
March	29.810	30.100	29.260	55.6	65.3	61.8	70.7	51.4	61.0	81	29	51	56	54	86	73	75	.403	.470	.437	5.23	2.11	6.9	7.2	5.0	6.7
April	29.723	30.102	29.360	61.1	73.7	68.7	77.8	57.6	67.7	88	41	56	59	59	83	61	72	.465	.518	.508	3.88	2.29	6.6	6.0	5.2	6.1
May	29.618	29.860	29.280	67.8	76.8	72.3	81.3	63.2	72.2	88	46	62	62	62	81	62	72	.567	.573	.576	6.00	1.38	6.6	7.6	6.5	7.2
June	29.712	29.900	29.467	73.9	82.3	76.3	85.9	69.4	77.6	94	63	70	69	70	87	66	80	.729	.720	.727	10.71	4.95	7.6	8.1	7.8	8.0
July	29.730	29.915	29.520	75.3	82.9	77.1	86.7	70.2	78.4	96	60	71	70	71	87	66	81	.756	.730	.750	10.59	3.21	6.4	8.1	7.6	7.6
August	29.749	29.890	29.610	76.2	84.8	78.8	88.7	71.1	79.9	94	67	72	71	73	87	64	82	.785	.756	.800	6.89	2.38	5.3	7.5	7.1	6.7
September	29.734	29.950	29.540	73.2	84.6	77.7	87.7	69.6	78.6	95	62	69	69	69	86	60	76	.707	.709	.720	2.32	1.29	5.4	7.0	4.5	6.0
October	29.747	30.020	29.200	60.5	74.0	67.6	77.0	57.0	67.0	91	41	54	54	54	79	52	64	.439	.440	.444	1.38	.64	3.8	5.5	3.9	5.0
November	29.805	30.150	29.520	48.2	63.0	58.1	67.0	45.9	56.4	78	34	42	42	43	79	51	61	.281	.294	.305	2.87	1.58	5.0	5.1	4.2	4.9
December	29.848	30.220	29.370	53.1	63.9	59.7	67.8	50.9	59.4	79	35	50	51	52	90	65	76	.381	.395	.410	2.79	2.26	7.1	7.0	5.2	7.2
Year	29.770	30.240	29.260	61.9	72.8	67.8	76.9	58.2	67.6	96	25	57	58	58	84	62	73	.513	.527	.532	59.95	4.95	6.0	6.7	5.4	6.3

TOLEDO, OHIO

[ϕ=41° 40′ N.; λ=83° 34′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.369	30.040	28.800	28.3	31.6	30.5	35.5	23.9	29.7	51	3	23	24	25	80	72	78	0.126	0.132	0.135	1.75	0.49	6.8	8.1	7.0	8.3
February	29.469	29.870	28.940	20.4	25.7	25.3	29.8	17.0	23.4	44	4	15	17	18	78	66	73	.092	.101	.110	1.16	.58	7.9	7.1	6.9	7.2
March	29.330	29.870	28.443	29.6	36.6	34.1	43.0	24.6	33.8	60	7	22	22	24	72	56	66	.131	.130	.139	3.13	1.00	5.9	5.5	5.0	5.5
April	29.295	29.914	28.750	41.2	52.0	50.0	56.7	37.0	46.8	78	15	31	34	36	68	53	61	.180	.205	.221	2.77	1.35	4.9	5.9	4.7	4.8
May	29.277	29.680	28.620	52.9	60.3	56.9	64.3	46.6	55.4	77	30	43	45	46	69	59	67	.286	.309	.317	3.03	1.01	3.6	4.2	4.1	3.8
June	29.294	29.581	28.910	68.9	79.0	75.2	82.1	62.7	72.4	95	48	60	61	61	74	56	63	.525	.552	.542	3.53	.96	2.9	3.6	3.5	3.3
July	29.348	29.600	29.070	69.4	79.2	75.4	81.8	64.5	73.2	93	59	60	59	60	73	52	60	.523	.512	.518	2.77	.92	3.7	4.0	3.9	3.8
August	29.323	29.510	29.010	64.8	75.9	72.7	79.2	60.6	69.9	92	45	57	56	57	76	52	59	.481	.474	.486	2.67	.82	4.4	4.4	3.5	4.0
September	29.418	29.770	29.020	59.7	69.9	65.4	72.1	57.0	64.6	86	40	54	56	57	83	63	75	.445	.478	.491	3.69	1.35	5.0	4.7	5.4	4.8
October	29.478	29.830	28.680	45.7	56.5	53.2	59.4	43.2	51.4	78	31	38	39	40	76	54	62	.238	.247	.256	2.07	.97	4.5	4.8	4.3	4.5
November	29.394	29.790	28.890	37.3	44.5	42.3	47.5	35.1	41.3	61	25	32	34	34	80	67	74	.185	.196	.203	1.40	.43	5.9	5.7	6.4	6.2
December	29.345	29.960	28.670	35.8	40.3	39.1	45.0	32.8	38.9	56	23	32	32	33	84	74	80	.182	.188	.196	5.74	1.84	6.3	7.1	7.5	7.0
Year	29.362	30.040	28.443	46.2	54.3	51.7	58.0	42.1	50.1	95	3	39	40	41	76	60	68	.283	.294	.301	33.71	1.84	5.3	5.4	5.2	5.3

TONOPAH, NEV.

[ϕ=38° 04′ N.; λ=117° 14′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	24.045	24.350	23.653	27.9	35.1	35.3	40.9	26.8	33.8	58	5	20	20	19	68	55	54	0.105	0.103	0.103	0.76	0.42	3.3	3.9	4.1	4.4
February	24.120	24.430	23.621	24.9	33.0	34.8	37.9	22.3	30.1	52	1	17	17	19	70	52	53	.093	.096	.100	.56	.50	1.6	3.4	2.5	2.7
March	24.063	24.350	23.710	31.5	44.0	45.3	48.7	27.6	38.2	62	9	15	14	12	50	30	28	.085	.079	.075	.06	.05	1.6	2.9	5.3	3.8
April	23.940	24.160	23.620	37.3	49.9	50.5	54.2	35.0	44.6	67	22	23	20	20	59	33	34	.127	.112	.111	.61	.33	3.7	6.4	6.1	5.3
May	23.964	24.250	23.630	47.1	63.2	64.5	67.9	45.3	56.6	78	30	24	20	18	41	20	17	.129	.110	.099	.31	.19	2.8	3.9	4.5	3.7
June	23.950	24.170	23.720	48.7	65.7	66.6	71.1	46.6	58.8	93	31	31	28	28	55	26	26	.177	.159	.161	.16	.16	3.1	4.8	4.4	4.0
July	24.087	24.240	23.820	54.5	80.4	81.7	85.1	63.1	74.1	95	55	34	34	32	34	21	19	.205	.206	.190	.27	.16	2.0	3.1	3.4	2.8
August	24.104	24.240	23.930	60.9	77.1	77.7	81.4	58.6	70.0	87	52	31	29	26	36	20	19	.185	.160	.154	.14	.06	1.1	2.2	3.4	2.3
September	24.095	24.270	23.750	54.0	67.6	67.8	71.3	51.8	61.6	88	32	31	30	29	45	28	26	.178	.171	.162	1.09	.64	2.7	3.3	3.5	3.3
October	24.053	24.290	23.743	42.5	54.4	54.2	58.2	39.5	48.8	70	24	23	25	23	48	34	32	.126	.137	.127	.01	.01	2.0	3.4	4.4	3.3
November	24.123	24.330	23.730	37.9	46.5	45.4	49.8	34.8	42.3	57	21	22	23	22	53	42	40	.118	.125	.118	.83	.56	2.9	3.8	3.6	3.0
December	24.069	24.450	23.590	26.2	33.4	32.2	36.6	22.3	29.4	52	9	14	17	16	62	53	51	.082	.093	.087	.19	.14	2.5	3.8	4.1	3.6
Year	24.051	24.450	23.590	42.0	54.2	54.7	58.6	39.5	49.0	95	1	24	23	22	52	34	33	.134	.130	.124	4.99	.64	2.4	3.8	4.1	3.5

TOPEKA, KANS.

[ϕ=39° 03′ N.; λ=95° 41′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January				32.7			49.1	28.1	38.6	68	18										0.67	0.04				5.3
February				23.4			40.3	20.4	30.4	62	−3										.24	.16				4.2
March				31.7			51.8	27.0	39.4	80	−2										2.19	1.03				4.6
April				46.2			65.1	43.3	54.2	82	24										2.30	.52				5.2
May				55.3			72.0	52.2	62.1	84	34										5.02	1.11				5.4
June				68.0			82.8	65.2	74.0	97	50										5.62	2.04				5.4
July				72.1			88.8	69.1	79.0	98	60										2.89	1.15				4.4
August				69.4			87.5	66.3	76.9	100	51										4.78	1.54				4.6
September				61.6			79.6	60.0	69.8	92	49										2.43	.74				4.8
October				46.1			61.2	44.3	52.8	77	25										2.62	.92				5.5
November				37.4			55.2	36.2	45.7	73	24										.81	.36				3.7
December				31.9			46.4	29.0	37.7	61	−1										.55	.41				3.8
Year				48.0			65.0	45.1	55.0	100	−3										29.72	2.04				4.9

Annual meteorological summary for the year ending December 31, 1923—Continued

THOMASVILLE, GA.

[H_b=273 ft.; h_t=49 ft.; h_r=41 ft.; h_a=58 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	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	4.6	SW.	21	W.	0	3	8	10	1	14	7	4	12	3	10	15	6	7	6	0	0	0	0	0	0	0	1	0
February	5.4	SW.	20	SW.	0	15	8	4	1	5	14	3	4	2	9	6	13	8	7	0	0	0	1	0	0	4	2	0
March	5.9	SW.	32	SW.	0	10	10	12	0	8	12	4	6	0	6	8	17	12	11	0	0	0	0	0	0	0	1	0
April	5.0	SW.	25	SW.	0	13	8	10	1	9	8	4	5	2	5	12	13	8	7	0	0	0	0	0	0	0	7	0
May	4.0	E.	22	SW.	0	5	11	18	3	8	7	2	7	1	4	10	17	17	14	0	0	0	0	0	0	0	18	0
June	4.1	SW.	20	NW.	0	3	10	12	3	6	13	6	1	6	1	11	18	20	16	0	0	0	0	0	6	0	15	0
July	3.8	SW.	29	SW.	0	3	14	10	1	12	10	3	5	4	2	9	20	18	16	0	0	0	0	0	10	0	12	0
August	3.5	SW.	18	SW.	0	4	3	5	3	17	18	3	5	4	4	15	12	19	15	0	0	0	0	0	15	0	20	0
September	3.2	NE.	23	E.	0	11	20	9	0	8	1	2	1	8	6	11	13	10	7	0	0	0	0	0	9	0	8	0
October	4.8	NE.	16	E.	0	8	19	11	1	1	1	3	12	6	12	6	13	5	5	0	0	0	1	0	2	0	0	0
November	4.3	NE.	16	SW.	0	10	11	7	2	4	6	13	6	1	12	6	12	7	6	0	0	0	0	0	0	0	0	0
December	5.0	SW.	24	SW.	0	2	15	6	0	17	11	4	5	2	5	8	18	9	7	0	0	0	2	0	0	0	0	0
Year	4.5	SW.	32	SW.	0	87	137	114	16	109	108	51	69	39	76	117	172	140	117	0	0	0	4	0	42	5	85	0

TOLEDO, OHIO

[H_b=628 ft.; h_t=208 ft.; h_r=201 ft.; h_a=243 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	14.3	W.	43	NW.	2	3	5	8	8	3	9	17	9	0	4	3	24	12	9	18	11	0	1	10	0	31	0	0
February	15.0	W.	61	W.	4	7	2	4	3	3	13	15	9	0	5	7	16	16	8	20	10	0	3	15	0	26	0	0
March	18.6	SW.	73	SW.	10	5	2	5	5	5	16	9	15	0	10	12	9	15	11	13	6	0	0	7	0	26	0	0
April	18.2	SW.	58	W.	10	5	11	3	2	4	18	11	6	0	12	9	9	10	7	6	2	0	0	0	0	10	1	0
May	15.2	NE.	48	SW.	2	6	17	15	3	3	11	4	3	0	18	7	6	9	8	2	2	0	0	0	0	2	3	0
June	12.1	SW.	46	SW.	3	7	6	2	6	3	20	8	8	0	19	7	4	8	6	0	0	1	0	0	8	0	6	0
July	10.0	SW.	42	N.	1	9	6	17	4	4	12	6	4	0	18	6	7	11	9	0	0	0	0	0	3	0	6	0
August	11.3	SW.	47	SW.	1	9	3	10	0	4	18	9	9	0	13	13	5	10	6	0	0	0	0	0	1	0	4	0
September	10.0	SW.	31	W.	0	10	4	10	10	2	14	4	6	0	15	8	7	11	9	0	0	0	1	0	0	0	5	0
October	11.8	SW.	43	SW.	2	11	0	2	13	2	11	7	16	0	16	5	10	4	4	0	0	0	1	0	0	1	1	0
November	12.8	SW.	36	SW.	0	6	4	6	3	10	13	5	13	0	9	6	15	9	7	3	0	0	0	0	0	6	0	0
December	16.3	SW.	57	W.	5	7	9	3	2	5	24	5	7	0	5	8	18	15	13	4	3	0	1	0	0	16	0	0
Year	13.8	SW.	73	SW.	40	85	69	85	59	48	179	100	105	0	144	91	130	130	97	66	34	1	7	32	12	118	26	0

TONOPAH, NEV.

[H_b=6,090 ft.; h_t=12 ft.; h_r=9 ft.; h_a=20 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	8.2	SE.	42	SE.	1	2	0	0	19	5	1	9	17	0	14	10	7	5	5	7	5	0	1	7	0	21	0	0
February	7.5	W.	38	NW.	0	0	0	0	15	4	5	19	13	0	19	8	1	2	2	2	2	0	0	9	0	20	0	0
March	11.5	NW.	46	NW.	3	5	1	0	12	1	1	13	29	0	17	8	6	2	1	3	2	0	0	2	0	29	0	0
April	10.1	NW.	42	NW.	4	1	1	0	18	1	2	15	22	0	8	12	10	5	4	7	2	0	0	0	0	10	2	0
May	9.6	NW.	40	NW.	1	1	0	1	11	7	0	16	25	1	13	14	4	4	3	2	1	0	0	0	0	2	3	0
June	8.2	NW.	38	NW.	0	1	1	3	16	4	1	15	18	1	14	10	6	4	1	1	0	0	0	0	2	1	2	0
July	9.2	SE.	31	SE.	0	0	2	2	36	5	0	8	5	2	20	9	2	3	2	0	0	0	0	0	5	0	0	0
August	7.3	W.	22	E.	0	0	2	2	23	1	2	18	14	0	23	6	2	4	2	0	0	0	0	0	0	0	4	0
September	8.8	W.	38	NW.	0	2	1	1	21	3	2	14	13	3	19	9	2	6	4	2	1	0	0	0	0	1	4	0
October	8.0	W.	42	W.	1	2	0	1	18	2	4	17	17	1	17	7	7	1	0	1	0	0	0	0	0	5	0	0
November	6.4	W.	40	NW.	1	1	1	2	21	3	1	24	7	0	20	6	4	4	4	2	1	0	0	0	0	4	0	0
December	8.5	W.	32	NW.	0	0	0	0	25	2	2	24	9	0	15	11	5	3	1	4	3	0	0	11	0	25	0	0
Year	8.6	SE.	46	NW.	11	15	9	12	237	38	21	192	189	8	199	110	56	43	29	31	17	0	1	29	7	109	15	0

TOPEKA, KANS.

[H_b=987 ft.; h_t=92 ft.; h_r=83 ft.; h_a=107 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	10.5	NW.	40	NW.	1	3	3	1	4	4	3	8	5	0	13	6	12	3	1	0	0	0	5	1	0	21	0	0
February	10.8	N.	44	N.	2	7	1	1	2	2	6	6	3	0	10	12	6	4	3	2	1	0	1	7	0	23	0	0
March	14.3	N.	46	W.	4	3	3	2	5	3	5	4	6	0	14	4	13	10	7	0	3	0	0	2	0	21	1	0
April	12.1	NW.	40	SW.	1	3	3	5	1	5	5	5	3	0	11	7	12	9	8	1	0	0	0	0	0	2	5	0
May	10.2	E.	42	N.	2	6	3	8	5	3	2	2	2	0	11	7	13	15	12	0	0	0	2	0	0	0	7	0
June	9.8	S.	42	W.	1	5	2	4	2	13	1	2	1	0	9	10	11	10	8	0	0	0	0	0	4	0	10	0
July	6.9	SE.	32	NW.	0	2	4	4	5	2	8	1	3	2	15	7	9	11	8	0	0	0	0	0	13	0	10	0
August	8.5	SE.	50	NW.	1	4	4	3	6	5	3	4	2	0	13	7	11	12	11	0	0	1	0	0	11	0	10	0
September	8.3	S.	34	E.	0	2	1	4	5	5	5	7	1	0	10	11	9	10	8	0	0	2	1	0	2	0	12	0
October	7.4	N.	34	N.	0	4	5	3	5	4	4	3	3	0	12	4	15	12	11	0	0	0	8	0	0	3	1	0
November	8.2	S.	32	N.	0	1	0	2	1	4	7	10	5	0	19	3	8	5	3	1	1	0	2	0	0	8	0	0
December	9.5	N.	40	N.	1	5	2	0	2	5	5	7	5	0	10	7	14	7	3	2	1	0	3	1	0	22	0	0
Year	9.7	W.	50	NW.	13	45	31	37	48	55	54	59	39	2	147	85	133	108	83	15	6	3	17	11	30	100	56	0

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1923—Continued

TRENTON, N. J.

[ϕ=40° 14′ N.; λ=74° 45′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.855	30.600	29.260	29.0	33.5	32.1	37.5	24.6	31.0	56	11	23	24	24	75	68	71	0.129	0.136	0.133	4.13	1.02	6.9	7.5	6.3	7.2
February	29.916	30.400	29.380	23.7	29.7	28.3	33.2	19.7	26.4	46	7	17	17	19	75	59	68	.104	.101	.110	2.68	1.00	6.6	7.2	5.0	6.9
March	29.826	30.535	28.860	34.4	43.2	39.4	47.6	29.0	38.3	76	11	26	28	28	71	56	64	.158	.173	.167	3.70	.98	5.8	5.6	4.8	5.5
April	29.772	30.450	29.130	46.6	56.7	51.9	60.6	39.8	50.2	83	11	35	35	36	64	46	57	.218	.222	.227	3.34	1.52	4.1	5.5	5.2	5.3
May	29.751	30.111	29.200	56.5	67.0	62.0	71.9	49.3	60.6	86	37	46	47	47	68	51	59	.318	.334	.333	.89	.47	3.8	4.4	4.4	4.3
June	29.689	30.000	29.120	70.4	80.8	74.4	84.9	62.1	73.5	98	50	58	57	58	65	46	56	.496	.487	.497	1.47	.43	3.9	3.8	5.9	4.6
July	29.800	30.197	29.450	69.8	75.7	73.4	82.6	63.5	73.0	96	56	60	58	59	73	53	64	.532	.502	.518	3.18	.89	5.8	5.7	5.9	5.9
August	29.783	30.000	29.440	67.9	77.0	71.9	80.9	62.4	71.6	90	48	60	58	62	76	54	71	.528	.511	.566	3.32	1.47	5.3	5.3	4.9	5.5
September	29.904	30.330	29.580	63.9	72.9	67.4	76.1	59.1	67.6	84	46	58	57	58	81	59	74	.497	.484	.509	4.19	1.40	5.8	5.2	4.2	5.5
October	29.904	30.210	29.450	50.7	60.4	55.5	64.0	45.6	54.8	76	36	43	45	45	77	58	68	.292	.309	.310	2.35	1.20	4.3	4.7	4.2	4.7
November	29.869	30.420	29.230	40.7	48.6	45.0	51.7	36.2	44.0	63	27	34	36	36	79	66	72	.206	.224	.221	2.09	1.06	5.1	5.7	4.6	5.6
December	29.852	30.609	29.100	38.8	45.2	42.7	48.4	35.5	42.0	64	22	33	34	36	78	66	76	.192	.208	.221	3.94	1.06	5.9	5.6	5.5	6.0
Year	29.828	30.609	28.860	49.4	57.8	53.7	61.6	43.9	52.8	98	7	41	41	42	74	57	67	.306	.308	.318	35.28	1.52	5.3	5.5	5.0	5.6

VALENTINE, NEBR.

[ϕ=42° 50′ N.; λ=100° 32′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	27.237	27.660	26.740	23.4	34.2	32.2	39.2	18.0	28.6	63	−1	17	20	20	76	58	61	0.094	0.110	0.107	0.49	0.23	2.9	5.8	3.1	4.9
February	27.430	28.060	26.730	12.8	29.5	26.6	34.7	7.6	21.2	63	−19	7	14	13	76	51	57	.063	.088	.088	.19	.06	3.9	4.2	3.2	4.3
March	27.265	27.820	26.670	22.9	36.6	35.5	42.9	16.9	29.9	66	−10	16	19	20	74	50	56	.092	.106	.115	.69	.24	4.9	5.3	5.1	5.2
April	27.204	27.540	26.590	34.5	53.4	54.2	58.3	32.3	45.3	87	13	30	28	28	81	43	42	.169	.156	.156	1.34	.47	4.5	5.0	4.3	4.9
May	27.224	27.760	26.820	47.9	61.7	62.8	66.5	44.3	55.4	83	26	42	40	42	80	49	56	.278	.267	.281	3.26	1.15	5.7	5.6	5.5	5.6
June	27.206	27.510	26.918	61.0	73.9	74.0	77.8	56.5	67.2	96	46	55	54	54	82	54	54	.444	.430	.433	3.48	1.31	5.5	5.1	5.6	5.6
July	27.304	27.510	27.050	68.0	82.7	82.1	86.9	65.0	76.0	98	55	62	60	61	80	50	52	.550	.537	.551	4.01	1.51	4.9	4.5	5.3	5.1
August	27.331	27.588	27.033	59.0	75.2	75.6	79.6	56.1	67.8	94	39	56	56	56	88	54	53	.450	.454	.462	2.61	.88	5.9	5.6	5.0	5.5
September	27.291	27.550	27.010	51.9	72.5	69.5	76.0	49.5	62.8	92	37	47	47	47	84	44	49	.333	.331	.336	1.94	.65	2.8	4.0	3.3	3.7
October	27.394	27.730	26.750	38.1	52.7	49.1	56.4	35.0	45.7	74	3	34	36	36	84	56	62	.216	.226	.220	1.68	.66	4.5	5.2	4.4	4.8
November	27.314	27.690	26.940	31.4	52.1	44.5	55.4	28.0	41.7	70	20	26	27	28	78	39	53	.137	.146	.156	.28	.26	3.8	2.6	1.8	3.0
December	27.284	27.860	26.570	23.0	38.9	31.5	42.4	15.6	29.0	66	−26	17	18	17	77	47	56	.096	.103	.099	.41	.34	4.6	4.9	3.5	4.7
Year	27.290	28.060	26.570	39.5	55.3	53.1	59.7	35.4	47.6	98	−26	34	35	35	80	50	54	.244	.246	.251	20.29	1.51	4.5	4.8	4.2	4.8

VICKSBURG, MISS.

[ϕ=32° 22′ N.; λ=90° 53′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.871	30.310	29.570	49.3	59.5	58.6	64.6	47.7	56.2	76	35	45	51	51	85	76	77	0.320	0.396	0.388	4.76	2.45	5.6	5.8	3.6	5.5
February	29.959	30.440	29.530	43.1	50.5	51.0	56.3	40.9	48.6	77	22	37	42	42	81	73	72	.257	.298	.295	6.97	2.55	6.4	7.1	5.2	6.8
March	29.830	30.210	29.180	48.9	58.8	59.1	65.2	46.7	56.0	82	24	43	46	46	79	67	66	.301	.352	.346	7.48	1.84	6.6	5.8	5.5	6.1
April	29.725	30.195	29.370	58.4	69.6	69.4	74.6	57.3	66.0	86	36	53	56	55	84	63	62	.429	.468	.457	10.16	3.51	6.2	4.8	5.1	5.6
May	29.620	29.980	29.379	64.3	74.5	72.5	79.2	62.6	70.9	92	47	60	65	65	88	74	80	.540	.635	.639	9.47	2.72	6.4	6.4	5.4	6.0
June	29.720	29.896	29.490	72.4	82.7	78.7	86.7	69.3	78.0	93	60	68	71	70	88	68	77	.702	.766	.744	2.09	.59	4.6	5.8	5.6	5.3
July	29.743	29.930	29.521	74.0	84.0	82.1	87.9	71.4	79.6	94	65	70	69	72	87	63	72	.729	.701	.772	3.85	1.77	5.5	5.5	6.4	5.4
August	29.747	29.920	29.600	74.2	84.0	81.3	87.9	72.1	80.0	95	61	71	72	72	90	68	75	.761	.784	.799	1.68	.77	6.9	6.8	6.3	6.2
September	29.774	29.940	29.660	69.2	82.2	76.7	85.0	67.6	76.3	90	58	65	66	66	86	58	75	.616	.636	.685	.89	.48	4.2	5.9	5.1	4.8
October	29.812	30.130	28.996	56.2	70.5	66.2	74.0	54.9	64.4	89	37	50	50	52	81	52	62	.387	.400	.412	1.61	.99	4.5	4.6	3.4	4.5
November	29.864	30.180	29.470	47.7	59.9	57.7	64.0	46.2	55.1	76	36	43	42	43	85	56	60	.290	.284	.282	4.23	1.99	5.6	5.5	4.1	5.1
December	29.849	30.340	29.440	52.8	58.9	56.8	63.0	49.5	56.2	75	32	50	50	50	89	75	79	.382	.390	.392	9.64	2.43	7.7	7.9	7.0	6.0
Year	29.793	30.440	28.996	59.2	69.6	67.5	74.0	57.2	65.6	95	22	55	57	57	85	66	71	.476	.509	.518	62.83	3.51	5.8	6.0	5.2	5.8

WALLA WALLA, WASH.

[ϕ=46° 02′ N.; λ=118 °20′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	28.944	29.310	28.360	39.8	42.9	42.3	46.1	35.5	40.8	63	15	32	33	33	74	68	70	0.181	0.191	0.188	1.85	0.59	7.7	8.1	8.9	8.4
February	29.226	29.560	27.990	26.2	31.4	33.1	36.2	23.4	29.8	59	4	21	23	25	81	72	72	.119	.131	.138	1.80	.53	5.8	7.2	6.1	6.5
March	29.061	29.420	28.640	40.8	50.8	52.9	55.6	37.7	46.6	78	26	30	31	30	66	47	44	.165	.173	.168	.47	.27	5.1	5.9	6.3	5.6
April	28.878	29.270	28.460	46.3	58.2	61.9	64.3	43.9	54.1	84	38	35	38	35	64	48	39	.202	.230	.207	1.24	.45	4.5	5.2	6.7	6.3
May	28.894	29.270	28.550	51.2	64.5	68.5	70.2	49.8	60.0	88	38	40	42	41	66	45	39	.250	.268	.267	1.36	.35	6.2	5.1	5.6	5.2
June	28.817	29.040	28.542	56.6	69.3	73.4	75.1	54.8	65.0	97	46	47	48	47	70	48	43	.323	.334	.327	2.89	2.02	5.8	5.6	4.9	5.1
July	28.855	29.190	28.590	65.0	81.2	87.2	88.5	63.5	76.0	102	52	48	46	46	55	31	26	.335	.315	.320	.88	.21	2.3	3.1	3.9	3.4
August	28.887	29.120	28.701	63.9	81.0	87.3	88.4	62.3	75.4	103	56	47	48	44	55	33	24	.323	.336	.297	.57	.45	1.9	2.3	1.7	2.4
September	28.927	29.240	28.650	57.0	72.2	77.6	79.4	54.8	67.1	93	44	41	42	41	56	37	31	.258	.267	.261	.21	.21	2.3	3.0	2.6	2.7
October	28.996	29.380	28.250	46.3	56.6	57.8	61.4	44.0	52.7	84	31	42	42	44	82	59	61	.267	.270	.289	3.11	1.03	3.2	4.8	5.1	4.8
November	29.100	29.420	28.568	41.7	47.6	47.6	51.4	38.3	44.8	65	30	36	38	39	81	72	78	.213	.235	.239	1.18	.36	5.9	5.9	5.8	6.0
December	29.044	29.590	28.260	36.4	40.4	38.1	44.2	31.9	38.0	67	7	30	32	32	78	73	79	.168	.182	.184	2.18	.76	5.9	6.5	6.7	7.7
Year	28.969	29.590	27.990	47.6	58.0	60.6	63.4	45.0	54.2	103	4	37	39	38	69	53	50	.234	.244	.240	17.19	2.02	4.7	5.2	5.4	5.3

Annual meteorological summary for the year ending December 31, 1923—Continued

TRENTON, N. J.

[H_b=190 ft.; h_t=159 ft.; h_r=152 ft.; h_a=183 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	12.5	NW.	44	NW.	2	12	11	4	2	4	4	12	13	0	5	7	19	12	11	13	7	0	0	6	0	27	0	0
November	12.0	NW.	52	NW.	2	11	7	7	1	3	6	9	12	0	6	8	14	12	12	9	5	0	1	12	0	26	0	0
March	14.0	NW.	58	S.	9	6	5	3	4	9	11	7	17	0	9	11	11	9	8	5	4	1	3	1	0	22	1	0
April	14.1	SW.	46	W.	6	6	7	2	1	10	15	7	12	0	11	11	8	11	9	2	2	0	1	0	0	4	2	0
May	11.3	SW.	42	SW.	2	6	6	3	12	13	9	9	4	0	5	7	9	7	5	0	0	0	1	0	0	0	1	0
June	10.1	SW.	40	NW.	1	12	4	2	4	2	16	8	11	1	15	8	7	5	5	0	0	0	0	0	9	0	7	0
July	9.2	S.	38	NW.	0	7	9	9	10	13	5	4	5	0	8	10	12	12	10	0	0	1	1	0	3	0	13	0
August	9.1	SW.	35	NW.	0	6	8	8	3	10	17	4	6	0	11	8	12	8	7	0	0	1	2	0	1	0	8	0
September	8.2	N.	47	NW.	1	15	2	8	13	5	5	7	5	0	9	12	9	8	6	0	0	0	5	0	0	0	5	0
October	11.2	NW.	44	NE.	3	11	9	3	4	7	9	4	15	0	14	7	10	10	7	0	0	0	2	0	0	0	0	0
November	11.2	NW.	37	NW.	0	10	13	4	4	4	9	4	12	0	9	9	12	7	4	1	0	0	2	0	0	7	0	0
December	11.2	SW.	54	SW.	2	8	8	4	2	3	14	11	12	0	9	10	12	15	12	3	3	0	3	0	0	9	0	0
Year	11.2	NW.	58	S.	28	110	89	57	60	83	120	86	124	1	122	108	135	116	96	33	21	3	21	19	13	95	37	0

VALENTINE, NEBR.

[H_b=2,598 ft.; h_t=47 ft.; h_r=36 ft.; h_a=54 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	9.4	W.	43	W.	2	5	2	4	5	3	5	21	17	0	8	15	8	6	3	9	4	0	0	7	0	28	0	0
February	9.6	NW.	34	S.	0	10	4	3	0	5	4	6	24	0	10	17	1	3	1	8	3	0	0	13	0	28	0	0
March	10.9	NW.	39	NE.	0	15	6	4	2	3	6	10	16	0	10	13	8	9	5	11	9	0	0	9	0	30	0	0
April	10.0	NW.	58	NW.	1	10	8	8	2	8	7	7	10	0	13	10	7	8	7	6	3	0	1	2	3	17	0	0
May	11.1	S.	40	SE.	1	13	1	11	12	10	4	4	7	0	8	13	10	12	9	0	0	0	1	0	0	4	4	0
June	10.3	S.	44	SW.	1	7	5	3	14	13	8	2	8	0	6	15	9	15	11	0	0	1	1	0	2	0	7	0
July	9.0	S.	44	W.	1	5	5	12	5	20	5	4	4	2	6	20	5	17	10	0	0	1	1	0	10	0	15	0
August	7.1	S.	30	NE.	0	11	4	15	7	10	2	9	2	2	6	17	8	14	10	0	0	0	3	0	2	0	8	0
September	8.8	W.	39	N.	0	6	4	6	5	13	5	15	6	0	14	11	5	10	8	0	0	1	1	0	3	0	4	0
October	9.0	W.	35	SW.	0	8	2	3	8	11	6	16	8	0	13	10	8	13	7	6	5	0	0	2	0	15	1	0
November	8.5	W.	35	NW.	0	6	0	1	3	2	8	27	13	0	17	11	2	2	1	0	0	0	0	0	0	24	0	0
December	9.2	W.	33	SW.	0	9	1	2	1	2	9	29	9	0	12	11	8	3	2	6	3	0	0	3	0	31	0	0
Year	9.4	W.	58	NW.	6	105	42	72	64	100	69	150	124	4	123	163	79	112	74	46	27	3	8	36	17	177	39	0

VICKSBURG, MISS.

[H_b=247 ft.; h_t=65 ft.; h_r=58 ft.; h_a=73 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	7.9	S.	30	W.	0	3	5	8	13	16	10	2	10	0	10	8	13	11	8	0	0	0	0	0	0	0	2	0
February	7.6	NE.	23	NE.	0	7	18	5	12	7	3	2	2	0	7	4	17	9	7	1	1	0	3	0	0	8	3	0
March	8.7	SE.	38	W.	0	5	13	4	13	11	4	1	11	0	9	6	16	12	12	0	0	0	0	0	0	2	5	0
April	6.9	SE.	36	NW.	0	6	9	7	12	6	8	4	8	0	9	12	9	12	11	0	0	1	0	0	0	0	8	0
May	6.5	SE.	38	SE.	0	9	6	3	13	3	13	1	14	0	6	12	13	14	13	0	0	1	2	0	1	0	11	0
June	5.8	SE.	33	NE.	0	4	7	6	27	7	4	3	2	0	9	15	6	9	8	0	0	0	0	0	6	0	13	0
July	5.4	SE.	25	NW.	0	2	3	9	13	11	15	6	3	0	11	8	12	11	7	0	0	0	0	0	7	0	7	0
August	4.9	SW.	17	SW.	0	2	7	3	7	18	21	2	2	0	7	12	12	8	7	0	0	0	0	0	10	0	9	0
September	5.1	SE.	30	S.	0	9	18	8	16	2	5	1	1	0	11	12	7	5	3	0	0	0	1	0	2	0	4	0
October	6.4	NE.	36	SE.	0	13	18	16	9	2	0	1	2	1	14	7	10	4	4	0	0	0	1	0	0	0	0	0
November	5.7	SE.	23	W.	0	7	11	7	10	5	6	6	8	0	10	10	10	5	5	0	0	0	1	0	0	0	1	0
December	7.8	SE.	28	NE.	0	7	9	4	13	9	10	4	6	0	5	2	24	14	10	1	0	0	1	0	0	1	4	0
Year	6.6	SE.	38	W.	0	74	124	75	158	97	99	33	69	1	108	108	149	114	95	2	1	2	9	0	26	11	67	0

WALLA WALLA, WASH.

[H_b=991 ft.; h_t=57 ft.; h_r=50 ft.; h_a=65 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	6.8	S.	38	W.	0	2	1	2	4	23	19	6	3	2	1	8	22	12	9	6	2	0	0	2	0	8	0	0
February	3.9	SE.	30	NE.	0	6	2	4	13	16	8	2	4	1	8	6	14	8	8	8	6	0	0	8	0	19	0	0
March	7.0	SW.	40	W.	1	4	3	2	2	23	14	10	4	0	10	7	14	4	3	3	0	1	0	0	0	5	0	0
April	6.0	S.	25	SW.	0	3	7	2	8	19	11	7	3	0	10	12	8	11	8	0	0	1	0	0	0	0	0	0
May	5.4	S.	26	SW.	0	2	3	0	12	19	12	11	3	0	11	14	6	10	6	0	0	0	0	0	0	0	1	0
June	4.9	S.	25	NW.	0	3	4	1	12	25	8	6	1	0	11	10	9	9	8	0	0	0	0	0	4	0	4	0
July	4.7	S.	20	SW.	0	2	3	1	9	22	8	13	3	1	16	11	4	7	2	0	0	0	0	0	15	0	8	0
August	4.3	S.	15	SW.	0	2	3	3	8	21	5	16	4	0	21	9	1	4	4	0	0	0	0	0	13	0	2	0
September	3.6	S.	13	W.	0	4	3	4	10	17	7	9	4	2	22	2	6	2	1	0	0	0	0	0	6	0	0	0
October	3.9	S.	29	SW.	0	0	2	0	9	25	14	9	2	1	13	8	10	10	9	0	0	0	0	0	0	2	0	0
November	3.9	S.	28	W.	0	0	3	1	9	21	11	11	2	2	9	8	13	9	6	1	0	0	2	0	0	3	0	0
December	5.9	SW.	30	SW.	0	2	2	0	6	21	18	6	6	1	5	6	20	12	9	6	4	0	5	4	0	16	0	0
Year	5.0	S.	40	W.	1	30	36	20	102	252	135	106	39	10	137	101	127	98	73	24	12	2	7	14	38	53	15	0

Annual meteorological summary for the year ending December 31, 1923—Continued

WASHINGTON, D. C.

[φ=38° 54′ N.; λ=77° 03′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.980	30.720	29.410	33.9	38.8	38.0	43.4	30.1	36.8	65	19	26	28	26	73	62	62	0.146	0.147	0.146	4.24	1.34	6.9	7.0	5.2	7.1
February	30.033	30.450	29.510	28.8	34.7	38.7	39.6	25.6	32.6	58	11	21	21	22	73	59	62	.128	.128	.129	2.19	.92	6.7	6.1	5.2	6.0
March	29.937	30.600	29.040	39.9	48.6	46.4	56.0	33.8	45.4	80	18	29	30	30	66	50	54	.178	.182	.182	4.47	1.82	3.9	4.9	3.4	4.8
April	29.876	30.610	29.250	49.3	58.3	56.7	64.4	42.8	53.6	85	15	36	35	38	62	45	53	.290	.225	.248	3.94	1.40	3.4	4.5	4.2	4.4
May	29.834	30.182	29.330	59.1	69.1	66.8	74.9	51.9	63.4	88	37	47	44	43	66	43	52	.339	.308	.351	1.50	.68	3.5	5.0	4.4	4.2
June	29.807	30.090	29.310	71.8	80.6	76.9	86.2	65.0	75.6	98	57	60	60	63	67	51	64	.533	.532	.595	2.50	.84	2.8	3.5	4.8	3.8
July	29.879	30.263	29.520	72.2	81.0	77.0	85.1	66.3	75.7	96	54	64	61	64	76	53	66	.601	.548	.602	4.92	1.63	5.4	5.1	5.4	5.5
August	29.869	30.075	29.570	69.9	78.4	75.0	83.7	65.0	74.4	94	51	64	63	66	81	61	75	.604	.596	.655	2.19	.91	5.5	5.5	5.2	5.5
September	29.981	30.420	29.680	65.4	74.4	69.8	78.4	60.9	69.6	87	44	59	58	62	82	60	77	.533	.522	.579	3.15	1.17	5.9	5.5	4.3	5.5
October	30.000	30.320	29.420	50.4	61.6	56.2	66.1	46.1	56.1	82	38	43	42	46	76	51	70	.287	.281	.329	1.36	.73	4.2	3.6	2.7	4.3
November	29.975	30.490	29.440	40.2	49.0	45.5	52.6	37.6	45.1	64	28	34	36	37	80	63	70	.203	.220	.225	2.04	.72	5.7	5.9	4.4	5.8
December	29.958	30.740	29.220	40.0	47.4	46.7	53.1	36.9	45.0	68	22	34	35	37	80	64	69	.205	.218	.231	2.80	1.07	6.6	5.7	4.4	6.1
Year	29.927	30.740	29.040	51.7	60.2	57.5	65.4	46.8	56.1	98	11	43	43	45	74	55	64	.332	.326	.356	35.60	1.82	5.0	5.2	4.5	5.2

WAUSAU, WIS.

[φ=44° 57′ N.; λ=89° 35′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	28.657	29.140	28.132	15.3	20.7	----	24.2	9.3	16.8	40	—8	----	----	----	----	----	----	----	----	----	1.29	0.32	8.0	7.0	----	7.5
February	28.757	29.247	28.372	2.2	14.4	----	18.4	—1.9	8.2	40	—26	----	----	----	----	----	----	----	----	----	.85	.25	5.6	4.8	----	5.4
March	28.622	29.200	28.030	14.0	25.9	----	29.5	9.6	19.6	53	—11	----	----	----	----	----	----	----	----	----	2.27	.75	5.6	4.6	----	5.2
April	28.618	29.006	28.162	34.2	46.4	----	49.7	29.3	39.5	77	10	----	----	----	----	----	----	----	----	----	1.46	.60	4.8	4.7	----	4.8
May	28.650	29.043	28.311	49.8	64.9	----	67.5	42.8	55.2	83	28	----	----	----	----	----	----	----	----	----	1.56	.81	4.1	4.0	----	3.8
June	28.641	28.986	28.358	62.1	76.0	----	78.6	57.2	67.9	90	42	----	----	----	----	----	----	----	----	----	5.33	1.43	4.6	4.3	----	4.6
July	28.716	28.988	28.531	63.9	78.1	----	80.3	59.4	69.8	91	50	----	----	----	----	----	----	----	----	----	3.36	1.02	4.5	4.5	----	3.9
August	28.690	28.923	28.460	56.3	70.0	----	72.8	52.0	62.4	84	38	----	----	----	----	----	----	----	----	----	1.96	.86	5.0	4.4	----	4.9
September	28.748	28.974	28.467	52.3	65.6	----	67.8	48.2	58.0	82	27	----	----	----	----	----	----	----	----	----	3.57	1.36	6.0	4.8	----	5.3
October	28.810	29.123	28.348	36.7	51.7	----	53.7	33.9	43.8	74	18	----	----	----	----	----	----	----	----	----	.70	.34	5.3	4.3	----	5.1
November	28.690	28.997	28.192	30.3	40.2	----	42.3	27.5	34.9	57	13	----	----	----	----	----	----	----	----	----	.77	.40	5.6	6.0	----	6.1
December	28.647	29.063	28.152	24.4	31.9	----	34.7	21.5	28.1	48	—10	----	----	----	----	----	----	----	----	----	1.65	.46	6.8	5.3	----	5.5
Year	28.687	29.247	28.030	36.8	48.8	----	51.6	32.4	42.0	91	—26	----	----	----	----	----	----	----	----	----	24.77	1.43	5.5	4.9	----	5.2

WICHITA, KANS.

[φ=37° 41′ N.; λ=97° 20′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	28.577	29.110	28.090	34.9	45.6	45.8	51.8	31.0	41.4	68	15	25	26	28	67	56	53	0.138	0.162	0.162	0.02	0.01	4.7	5.5	3.7	5.1
February	28.757	29.384	28.070	26.0	37.1	38.3	43.4	23.7	33.6	62	3	14	16	16	61	43	40	.099	.096	.096	T.	T.	4.9	4.0	3.7	4.1
March	28.551	29.050	27.700	33.2	48.4	48.1	53.8	29.3	41.6	74	2	23	26	24	66	44	43	.131	.146	.134	1.70	1.03	5.1	5.1	5.3	5.1
April	28.477	28.790	27.890	48.2	60.6	61.7	66.1	45.5	55.8	78	28	40	43	42	74	57	53	.262	.299	.291	1.64	.52	5.5	6.4	5.5	5.4
May	28.435	28.840	27.950	57.4	66.4	67.2	71.5	53.6	62.6	86	37	50	51	51	76	60	60	.375	.398	.403	5.47	2.06	5.2	5.5	5.4	5.2
June	28.463	28.750	28.150	68.1	78.4	78.7	82.7	65.9	74.3	96	54	63	64	65	84	62	66	.581	.599	.637	14.43	7.06	6.2	5.2	4.1	4.9
July	28.536	28.740	28.339	73.1	87.7	87.6	90.8	70.9	80.8	102	62	65	64	65	77	48	48	.627	.611	.614	.89	.69	5.2	4.5	3.6	3.9
August	28.515	28.760	28.295	71.4	87.1	87.7	93.2	69.5	81.4	104	56	60	59	58	66	41	39	.524	.510	.499	.42	.26	4.1	3.7	3.1	3.2
September	28.546	28.790	28.280	64.2	77.0	76.3	81.2	62.5	71.8	94	51	58	57	59	82	54	58	.495	.485	.509	3.26	.76	5.5	4.8	5.4	5.1
October	28.688	28.060	28.140	48.6	58.1	56.1	60.7	47.0	53.8	75	28	44	45	46	65	65	71	.310	.320	.327	5.52	1.96	6.0	6.2	6.0	6.1
November	28.639	28.950	28.270	39.9	51.7	50.5	55.7	38.9	47.3	66	30	33	36	39	78	57	66	.197	.214	.243	1.26	.51	4.0	4.6	4.1	4.3
December	28.609	29.140	27.910	33.2	42.4	40.5	46.6	30.5	38.6	59	1	28	31	30	81	64	67	.160	.179	.174	.67	.65	5.8	4.9	5.1	5.3
Year	28.566	29.384	27.700	49.8	61.7	61.5	66.5	47.4	56.9	104	1	42	43	44	75	54	55	.325	.335	.341	35.28	7.06	5.2	5.0	4.6	4.8

WILLISTON, N. DAK.

[φ=48° 09′ N.; λ=103° 35′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	27.935	28.350	27.300	9.2	17.6	16.4	22.9	2.1	12.5	49	—18	6	12	12	87	76	81	0.060	0.077	0.078	0.56	0.28	5.8	6.9	6.6	6.9
February	28.167	28.830	27.520	0.7	9.5	10.0	17.6	—6.6	5.5	42	—30	—2	4	5	91	77	80	.049	.061	.064	.76	.30	6.2	6.5	6.8	6.4
March	28.002	28.640	27.260	14.5	24.3	25.5	30.8	9.3	20.0	54	—15	10	14	16	82	64	67	.075	.089	.095	.44	.10	7.1	7.1	6.9	7.3
April	27.931	28.296	27.430	31.4	46.1	46.8	50.8	29.5	40.2	83	13	26	28	28	80	51	52	.145	.154	.161	2.03	.74	6.7	7.1	6.3	6.7
May	27.931	28.470	27.530	45.1	62.5	63.6	66.7	40.9	53.8	89	21	37	35	35	74	38	38	.224	.220	.221	.50	.15	5.0	6.9	5.1	5.8
June	27.874	28.224	27.290	58.9	72.8	72.4	77.0	55.0	63.0	88	47	54	53	52	84	52	51	.420	.410	.403	5.93	1.86	5.8	5.6	5.7	5.8
July	27.979	28.168	27.600	63.6	79.2	79.2	83.8	59.7	71.8	94	43	59	59	59	85	52	51	.507	.509	.509	1.38	.37	5.5	5.6	4.8	5.5
August	28.036	28.360	27.580	54.1	71.7	74.6	76.7	51.8	64.2	91	40	49	51	49	85	51	42	.355	.359	.353	1.05	.40	4.9	5.3	4.8	4.9
September	27.990	28.350	27.550	49.2	67.3	67.7	72.5	46.6	59.5	97	27	41	42	42	75	44	44	.266	.273	.274	2.60	1.41	5.7	6.1	5.0	5.6
October	28.096	28.640	27.340	36.7	50.8	48.1	55.1	34.3	44.7	71	15	32	35	35	85	57	61	.197	.221	.216	.79	.63	4.2	5.2	4.7	5.2
November	27.981	28.420	27.500	30.7	43.5	39.8	48.3	28.6	37.4	64	11	27	30	28	84	59	63	.144	.163	.154	.78	.44	5.1	6.5	5.4	6.4
December	27.963	28.440	27.070	18.0	28.2	25.8	34.5	14.0	24.2	52	—24	14	15	15	83	60	64	.084	.088	.092	.18	.09	5.2	5.5	5.4	5.9
Year	27.990	28.830	27.070	34.3	47.6	47.5	53.1	30.3	41.7	97	—30	29	32	31	83	57	58	.211	.230	.228	17.00	1.86	5.7	6.2	5.8	6.0

Annual meteorological summary for the year ending December 31, 1923—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	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.	35	NW.	0	13	2	5	4	10	7	4	17	0	5	8	18	12	11	7	2	0	0	2	0	19	0	0
February	8.2	NW.	42	W.	1	8	8	1	5	9	4	4	16	1	8	7	13	12	8	7	4	0	1	7	0	19	0	0
March	9.1	NW.	36	N.	0	8	5	1	7	11	9	4	17	0	14	7	10	10	6	3	2	0	1	0	0	10	1	0
April	8.1	S.	33	W.	0	10	5	2	5	10	12	7	9	0	14	8	8	7	7	1	0	0	0	0	0	4	4	0
May	6.4	S.	28	NW.	0	6	9	3	5	11	13	9	6	0	15	10	6	9	7	1	0	0	0	0	0	0	3	0
June	5.7	NW.	36	NW.	0	7	6	2	1	6	14	11	12	1	17	8	5	9	7	0	0	0	0	0	13	0	7	0
July	4.3	S.	23	NW.	0	9	3	10	7	12	8	5	8	0	10	12	9	10	8	0	0	0	0	0	7	0	9	0
August	4.7	SW.	28	NW.	0	8	8	7	2	12	14	6	5	0	10	11	10	11	8	0	0	0	0	0	7	0	5	0
September	4.1	N.	16	NW.	0	16	4	4	4	12	7	5	7	1	12	9	9	12	8	0	0	0	1	0	0	0	3	0
October	5.5	N.	24	NE.	0	17	4	5	5	4	8	7	11	1	13	10	8	5	4	0	0	0	2	0	0	0	0	0
November	6.3	NW.	36	N.	0	17	3	4	1	4	7	5	19	0	10	8	12	8	6	3	0	0	1	0	0	6	1	0
December	5.5	S.	30	N.	0	6	1	7	3	9	15	5	16	0	9	8	14	12	10	2	1	0	4	0	0	7	2	0
Year	6.3	NW.	42	W.	1	125	58	51	49	110	118	72	143	4	137	106	122	117	92	24	9	0	10	9	27	65	35	0

WAUSAU, WIS.

[H_b=1,247 ft.; h_t=4 ft.; h_r=3 ft.; h_a=— ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	------	SE.	----	--------	----	0	0	2	12	1	2	6	8	0	8	3	20	13	9	20	13	0	2	27	0	31	0	0
February	------	NW.	----	--------	----	1	0	1	6	0	5	7	8	0	12	3	13	9	6	12	9	0	0	24	0	28	0	0
March	------	NW.	----	--------	----	0	1	0	9	1	1	6	13	0	14	5	12	16	13	19	16	0	0	17	0	31	0	0
April	------	SE.	----	--------	----	1	2	4	10	5	0	3	5	0	15	3	12	8	7	6	6	0	0	1	0	18	1	0
May	------	SE.	----	--------	----	1	3	3	8	3	3	5	5	0	21	0	10	6	5	1	1	0	0	0	0	4	0	0
June	------	E.	----	--------	----	2	1	10	8	1	1	8	1	0	14	9	7	12	9	0	0	0	0	0	1	0	9	0
July	------	E.	----	--------	----	2	2	8	7	3	4	3	2	0	17	9	5	11	9	0	0	0	0	0	1	0	3	0
August	------	NW.	----	--------	----	3	2	3	8	0	2	3	10	0	14	6	11	8	6	0	0	0	0	0	0	0	3	0
September	------	SE.	----	--------	----	2	2	0	11	5	1	4	5	0	12	6	12	8	7	0	0	0	0	0	0	2	1	0
October	------	NW.	----	--------	----	1	3	0	9	2	2	4	10	0	15	5	11	5	4	2	2	0	4	1	0	16	0	0
November	------	NW.	----	--------	----	2	0	1	7	5	1	6	8	0	9	5	16	6	5	6	3	0	0	3	0	24	0	0
December	------	SE.	----	--------	----	1	1	1	8	2	7	4	7	0	15	1	15	11	9	8	8	0	1	8	0	29	0	0
Year	------	SE.	----	--------	----	16	17	33	103	28	29	57	82	0	166	55	144	113	89	74	58	0	7	81	2	183	17	0

WICHITA, KANS.

[H_b=1,358 ft.; h_t=139 ft.; h_r=132 ft.; h_a=158 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	12.7	S.	51	S.	4	10	10	3	3	21	3	1	11	0	12	10	9	2	0	1	0	0	2	0	0	19	0	0
February	13.2	S.	48	NW.	2	8	16	4	4	17	3	2	1	1	15	6	7	0	0	1	0	0	1	5	0	21	0	0
March	16.7	S.	50	SW.	7	16	7	1	5	24	1	2	6	0	11	10	10	6	5	8	3	0	0	1	0	17	2	0
April	13.6	S.	52	S.	3	8	9	7	3	23	0	2	8	0	8	13	9	9	8	0	0	0	0	0	0	1	6	0
May	11.7	S.	52	SE.	3	13	10	8	13	11	1	1	4	1	9	12	10	13	11	0	0	3	0	0	0	0	9	0
June	11.6	S.	60	SE.	1	8	2	4	11	34	0	0	1	0	8	14	8	13	12	0	0	2	0	0	4	0	15	0
July	10.3	S.	29	S.	0	4	7	13	7	28	0	2	0	1	11	16	4	6	5	0	0	0	0	0	17	0	7	0
August	12.2	S.	42	SE.	1	6	9	7	3	32	1	3	0	1	20	9	2	5	3	0	0	0	0	0	23	0	5	0
September	11.9	S.	35	W.	0	7	4	5	10	24	2	3	5	0	10	12	8	14	12	0	0	0	0	0	6	0	11	0
October	9.8	N.	36	SW.	0	13	11	8	13	11	1	3	2	0	10	5	16	16	13	0	0	0	1	0	0	2	4	0
November	10.5	S.	38	SW.	0	18	6	1	3	19	8	0	5	0	15	7	8	6	5	2	2	0	0	0	0	4	0	0
December	12.4	S.	42	SW.	1	20	5	1	4	24	2	3	3	0	12	11	8	4	2	2	1	0	0	1	0	16	0	0
Year	12.2	S.	60	SE.	22	131	96	62	79	268	22	22	46	4	141	125	99	94	76	14	6	5	4	7	50	80	59	0

WILLISTON, N. DAK.

[H_b=1,878 ft.; h_t=41 ft.; h_r=32 ft.; h_a=48 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	7.2	SE.	34	NW.	0	5	3	6	14	11	6	9	8	0	7	6	18	9	4	15	9	0	4	25	0	31	0	0
February	9.5	W.	38	NW.	0	3	5	1	4	8	10	15	10	0	6	9	13	11	6	12	11	0	1	20	0	28	0	0
March	9.2	NW.	35	NE.	0	13	4	4	9	7	10	6	9	0	4	7	20	10	6	10	10	0	0	16	0	30	0	0
April	7.5	NE.	29	NW.	0	5	15	5	10	5	6	5	7	2	6	8	16	9	6	10	6	0	0	3	0	20	1	1
May	9.4	SE.	37	SE.	0	12	5	6	14	8	3	10	4	0	6	14	11	10	6	2	2	1	0	0	0	5	3	1
June	8.6	SE.	52	E.	2	2	12	8	15	4	6	8	5	0	4	18	8	12	11	0	0	1	0	0	0	0	11	2
July	7.1	SE.	36	SW.	0	16	11	3	20	3	2	4	3	0	7	16	8	11	8	0	0	2	0	0	7	0	10	2
August	5.7	N.	31	E.	0	13	9	3	7	5	6	7	3	9	12	12	7	7	6	0	0	0	2	0	2	0	5	0
September	8.0	N.	29	SE.	0	14	8	7	7	7	5	5	6	1	8	12	10	6	5	0	0	0	0	0	2	1	3	1
October	7.4	NW.	31	SE.	0	7	9	5	10	6	8	7	10	0	10	11	10	4	3	3	0	0	2	2	0	12	0	6
November	7.1	SW.	34	W.	0	4	1	0	5	6	21	11	12	0	7	7	16	7	6	1	1	0	0	1	0	24	0	0
December	7.8	SW.	43	W.	1	3	3	4	2	13	18	15	8	1	8	10	13	7	2	8	7	0	0	8	0	31	0	1
Year	7.8	SE.	52	E.	3	97	85	52	117	83	101	102	80	13	85	130	150	103	69	70	46	4	9	75	11	182	33	14

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1923—Continued

WILMINGTON, N. C.

[ϕ=34° 14′ N.; λ=77° 57′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	30.066	30.540	29.510	45.3	55.9	50.5	59.4	41.1	50.2	74	30	40	44	42	82	66	74	0.266	0.301	0.280	3.22	1.59	4.6	4.1	3.4	4.2
February	30.009	30.440	29.720	40.5	49.7	46.7	54.4	37.2	45.8	76	22	35	38	39	81	66	75	.230	.256	.264	1.41	.41	5.3	5.4	4.6	5.4
March	30.028	30.478	29.180	53.0	61.9	57.0	66.5	47.5	57.0	80	29	47	47	48	81	61	73	.347	.354	.359	4.09	1.50	4.5	4.5	4.0	4.5
April	29.960	30.540	29.350	58.1	68.1	61.8	71.0	51.5	61.2	88	29	50	52	53	77	58	75	.392	.405	.422	1.28	.53	4.1	5.1	3.5	4.8
May	29.800	30.140	29.530	66.6	74.0	68.6	76.0	60.5	68.2	82	44	60	58	60	78	59	75	.525	.501	.530	1.32	.70	4.1	4.6	4.3	4.4
June	29.922	30.160	29.490	74.7	82.7	76.5	84.7	68.7	76.7	93	60	68	67	69	79	60	77	.687	.673	.713	1.80	1.05	4.2	3.9	3.6	3.8
July	29.938	30.180	29.630	76.0	83.5	76.9	85.2	70.7	78.0	92	64	71	70	71	86	67	82	.774	.754	.758	8.77	2.79	4.7	5.5	6.3	5.5
August	29.938	30.060	29.750	76.0	84.4	77.8	86.3	72.0	79.2	93	62	72	72	73	88	66	86	.788	.779	.821	5.04	.93	4.9	5.6	5.3	5.5
September	29.995	30.366	29.690	71.1	80.3	74.0	81.4	67.1	74.2	89	56	67	67	68	87	65	82	.672	.670	.696	7.20	3.05	5.0	4.9	3.3	5.0
October	30.018	30.350	29.550	57.5	68.6	62.3	70.5	53.2	61.8	80	43	53	53	56	84	59	79	.414	.415	.453	1.44	.81	4.2	4.5	2.9	4.2
November	30.007	30.382	29.700	47.7	59.6	54.4	62.7	43.9	53.3	77	30	43	43	46	84	58	75	.293	.307	.326	1.74	.76	3.9	4.8	3.5	4.5
December	30.072	30.651	29.500	49.1	58.9	54.4	63.2	45.5	54.4	74	28	45	46	49	87	65	83	.319	.338	.363	3.17	2.41	4.6	5.9	4.4	5.2
Year	29.994	30.651	29.180	59.6	69.0	63.4	71.8	54.9	63.3	93	22	54	55	56	83	62	78	.476	.479	.499	40.48	3.05	4.5	4.9	4.1	4.8

WINNEMUCCA, NEV.

[ϕ=40° 58′ N.; λ=117° 43′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	25.641	25.950	25.176	24.8	37.6	35.0	41.2	19.5	30.4	57	−10	20	23	23	82	56	62	0.108	0.124	0.125	0.91	0.30	6.0	7.5	8.5	7.8
February	25.753	26.130	24.968	18.1	35.9	36.5	40.8	14.6	27.7	56	−10	15	21	22	85	54	56	.090	.115	.120	.13	.05	2.6	4.1	4.8	4.2
March	25.693	26.040	25.314	27.6	47.7	48.6	52.2	22.8	37.5	71	10	18	19	18	68	32	32	.098	.099	.098	.05	.04	3.5	4.2	5.3	4.4
April	25.535	25.830	25.240	34.6	54.2	54.6	58.6	31.9	45.2	77	23	28	26	25	75	36	36	.152	.142	.135	.79	.17	6.1	5.9	6.1	5.8
May	25.545	25.850	25.300	42.3	65.6	65.8	69.4	40.3	54.8	86	28	33	32	30	70	31	28	.190	.182	.164	.70	.30	4.0	3.9	5.0	4.1
June	25.525	25.743	25.300	45.4	66.9	67.4	71.4	44.3	57.8	92	29	38	36	35	79	38	36	.238	.223	.212	2.59	1.49	3.9	5.4	5.4	4.8
July	25.590	25.770	25.270	56.4	84.9	86.0	89.6	54.7	72.2	100	38	38	38	38	52	20	19	.234	.241	.232	.24	.21	2.3	2.2	3.5	2.5
August	25.631	25.780	25.430	51.6	82.5	81.7	86.5	49.1	67.8	96	43	36	37	35	58	22	21	.220	.228	.212	.25	.18	2.4	2.0	2.4	2.1
September	25.641	25.830	25.240	46.6	73.9	71.8	77.1	43.6	60.4	95	30	36	38	39	71	32	36	.218	.230	.230	1.16	.53	2.8	4.0	4.0	3.9
October	25.654	25.939	25.333	35.7	57.2	54.6	60.9	32.3	45.6	77	43	31	32	31	82	40	42	.174	.181	.178	1.05	.67	3.9	4.0	5.1	4.4
November	25.736	25.980	25.380	27.3	52.2	33.8	56.0	23.4	39.7	66	12	22	26	26	80	37	46	.118	.142	.142	.53	.43	2.9	4.5	4.0	4.4
December	25.716	26.200	25.230	17.7	32.3	30.5	37.2	13.1	25.2	52	−10	14	21	21	87	61	66	.087	.110	.112	1.02	.43	4.2	5.1	4.9	5.2
Year	25.638	26.200	24.968	35.7	57.6	55.5	61.7	32.5	47.1	100	−10	27	29	29	74	38	40	.161	.168	.164	9.42	1.49	3.7	4.4	4.9	4.5

WYTHEVILLE, VA.

[ϕ=36° 56′ N.; λ=81° 05′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	27.676	28.136	27.270	32.5	39.9	37.0	44.2	28.6	36.4	60	17	27	30	28	78	68	71	0.146	0.169	0.161	3.07	0.78	7.2	6.4	4.9	5.8
February	27.702	27.970	27.420	28.7	36.0	34.0	40.6	25.6	33.1	60	7	22	25	24	76	65	60	.141	.157	.153	3.90	1.36	6.4	5.6	5.3	5.4
March	27.656	28.080	26.950	38.1	48.1	44.4	54.1	32.5	43.3	72	13	30	32	31	73	56	60	.186	.197	.187	3.03	1.27	4.8	4.8	4.8	4.2
April	27.634	28.080	27.200	45.4	57.3	54.5	62.9	39.6	51.2	77	14	36	38	35	70	51	52	.225	.241	.226	2.14	.65	4.5	4.5	3.5	3.6
May	27.609	27.900	27.267	54.7	64.9	61.2	68.7	47.3	58.0	79	32	48	47	49	78	56	67	.347	.338	.363	3.27	.77	6.5	5.9	7.5	5.2
June	27.680	27.864	27.281	64.4	74.9	68.6	78.9	57.3	68.4	86	44	59	59	60	84	59	77	.514	.519	.536	6.07	3.19	3.3	4.3	6.8	3.6
July	27.712	27.980	27.480	65.4	75.1	71.5	79.7	60.0	69.8	88	52	62	61	63	88	64	75	.565	.551	.580	3.27	1.02	6.0	5.5	5.8	4.8
August	27.702	27.866	27.578	65.3	74.6	70.3	79.3	60.6	70.0	87	48	62	63	63	90	63	79	.570	.575	.588	2.39	.51	4.8	5.4	6.1	4.6
September	27.765	28.100	27.550	59.1	71.8	64.9	75.3	54.9	65.1	84	43	57	58	58	92	62	80	.472	.485	.500	4.84	1.78	4.0	4.0	2.8	4.0
October	27.747	27.980	27.296	43.4	60.7	52.7	64.3	40.1	52.2	80	31	40	42	42	86	53	66	.249	.275	.276	1.37	1.01	4.6	3.4	2.9	3.5
November	27.690	28.070	27.360	35.8	46.3	42.0	49.7	33.1	41.4	65	24	30	33	32	78	61	69	.170	.193	.187	2.28	1.29	5.2	4.6	4.7	5.7
December	27.689	28.250	27.043	38.0	48.5	44.5	53.0	33.0	43.0	69	13	33	36	36	81	64	72	.201	.230	.223	3.19	1.53	7.0	5.0	3.7	6.1
Year	27.688	28.250	26.950	47.6	58.2	53.8	62.6	42.8	52.7	88	7	42	44	44	81	60	70	.315	.327	.332	40.32	3.19	5.4	5.0	4.9	4.7

YANKTON, S. DAK.

[ϕ=42° 54′ N.; λ=97° 28′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	28.687	29.184	28.150	21.6	29.1	----	36.3	18.0	27.2	63	0	17	20	----	82	68	----	0.098	0.108	----	0.48	0.21	5.9	6.4	----	6.4
February	28.903	29.566	28.210	11.7	25.0	----	31.7	8.0	19.8	53	−14	9	13	----	81	60	----	.063	.082	----	.06	.03	4.4	4.7	----	4.8
March	28.713	29.295	28.058	23.8	33.0	----	41.0	18.8	29.9	73	−8	17	21	----	73	63	----	.098	.125	----	.95	.47	6.0	6.5	----	6.4
April	28.619	28.990	28.020	39.5	53.2	----	60.0	37.1	48.6	87	20	38	34	----	78	52	----	.200	.211	----	3.50	1.82	5.3	5.4	----	5.7
May	28.614	29.131	28.260	52.2	63.6	----	68.5	47.7	58.1	84	31	45	45	----	77	52	----	.319	.319	----	4.00	1.16	6.5	6.6	----	6.3
June	28.584	28.910	28.280	65.4	74.8	----	78.6	61.3	70.0	95	44	60	61	----	84	63	----	.534	.544	----	6.49	3.22	6.0	6.7	----	6.6
July	28.659	28.830	28.390	71.3	84.3	----	88.4	68.1	78.2	99	58	63	64	----	76	52	----	.583	.595	----	1.68	.68	5.2	5.1	----	5.2
August	28.688	29.001	28.370	63.1	75.8	----	80.1	60.3	70.2	90	43	59	62	----	88	63	----	.514	.564	----	6.55	1.95	5.8	5.2	----	5.4
September	28.666	29.050	28.468	58.0	71.9	----	75.5	55.3	65.4	92	43	52	54	----	82	55	----	.405	.431	----	6.01	2.75	4.4	4.4	----	4.8
October	28.831	29.150	28.190	41.0	55.1	----	58.3	39.5	48.9	79	16	36	39	----	84	56	----	.229	.251	----	.61	.25	3.6	4.6	----	4.8
November	28.740	29.090	28.260	33.6	47.7	----	52.6	30.5	41.7	70	18	29	32	----	81	55	----	.158	.187	----	.32	.32	4.5	4.8	----	4.8
December	28.707	29.300	27.899	26.0	37.0	----	41.4	22.6	32.0	54	−12	20	21	----	79	53	----	.112	.116	----	.77	.72	4.9	5.4	----	5.6
Year	28.701	29.560	27.899	42.3	54.2	----	59.4	39.0	49.2	99	−14	37	39	----	80	58	----	.276	.294	----	31.42	3.22	5.2	5.5	----	5.6

Annual meteorological summary for the year ending December 31, 1923—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	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorms	Auroras
	Miles		*Mi.*																									
January	7.9	W.	32	NE.	0	4	12	1	0	9	10	19	6	1	17	7	7	8	7	0	0	0	0	0	0	3	1	0
February	7.4	W.	26	SW.	0	10	8	2	1	4	17	11	3	0	12	6	10	7	6	1	0	0	3	0	0	12	0	0
March	9.7	SW.	38	SW.	0	12	10	2	4	3	18	8	5	0	14	7	10	10	6	0	0	0	2	0	0	1	2	0
April	8.8	SW.	32	SW.	0	9	7	4	5	10	15	6	3	0	10	13	7	9	6	0	0	0	0	0	0	2	5	0
May	8.5	SW.	32	SW.	0	6	17	9	5	7	12	3	3	0	13	11	7	6	5	0	0	0	0	0	0	0	3	0
June	7.8	SW.	25	SW.	0	6	7	3	2	9	20	13	0	0	15	14	1	8	7	0	0	0	0	0	3	0	5	0
July	8.1	SW.	32	W.	0	4	11	4	2	5	19	16	1	0	9	13	9	13	11	0	0	0	0	0	3	0	15	0
August	6.1	SW.	34	NE.	0	6	7	0	2	4	24	17	1	1	9	12	10	20	15	0	0	0	1	0	9	0	14	0
September	6.3	NE.	30	W.	0	9	21	8	5	5	6	3	1	2	7	19	4	11	10	0	0	0	6	0	0	0	9	0
October	6.8	N.	20	NE.	0	17	20	9	3	3	3	5	1	1	16	6	9	6	4	0	0	0	0	0	0	0	0	0
November	7.4	W.	25	N.	0	12	15	3	2	2	8	13	3	2	13	10	7	10	7	0	0	0	0	0	0	1	2	0
December	7.7	SW.	32	W.	0	4	11	5	0	5	22	9	6	0	12	9	10	9	6	0	0	0	0	0	0	2	1	0
Year	7.7	SW.	38	SW.	0	99	146	50	31	66	175	123	33	7	147	127	91	117	90	1	0	0	12	0	15	21	57	0

WINNEMUCCA, NEV.

[H_b=4,344 ft.; h_t=18 ft.; h_r=6 ft.; h_a=56 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	7.7	SW.	42	S.	1	8	15	1	0	4	24	9	1	0	4	7	20	11	6	10	10	0	0	6	0	28	0	0
February	7.8	NE.	48	SW.	1	7	29	0	0	1	15	4	0	0	17	3	8	5	2	5	5	0	0	7	0	27	0	0
March	8.6	SW.	41	NW.	2	4	17	1	1	1	23	6	9	0	15	8	8	2	1	2	1	0	0	1	0	30	0	0
April	8.4	SW.	41	S.	2	5	16	1	0	10	13	6	9	0	10	8	12	11	7	4	4	0	0	0	0	16	0	0
May	7.6	SW.	44	NW.	1	6	14	0	0	3	19	10	10	0	15	9	7	9	4	1	0	0	0	0	0	2	4	0
June	6.0	SW.	29	SW.	0	5	13	2	3	6	17	8	6	0	13	8	9	10	10	0	0	1	1	0	3	2	8	0
July	6.0	SW.	32	NW.	0	3	13	1	0	5	21	15	4	0	21	8	2	2	1	0	0	0	0	0	17	0	1	0
August	5.5	SW.	40	S.	1	3	12	1	3	3	25	8	6	1	23	4	4	3	2	0	0	0	0	0	8	0	1	0
September	5.5	SW.	25	NE.	0	7	13	0	4	3	22	7	4	0	17	3	10	7	7	0	0	0	0	0	7	1	3	0
October	5.7	NE.	37	W.	0	10	17	1	2	5	13	5	8	1	15	8	8	7	6	0	0	1	0	0	0	15	0	0
November	6.9	NE.	31	NW.	0	5	32	1	0	3	11	6	2	0	13	8	9	3	3	1	0	0	0	0	0	27	0	0
December	6.9	NE.	37	NW.	0	3	35	2	0	1	18	0	3	0	10	9	12	9	6	10	8	0	0	11	0	31	0	0
Year	6.9	NE.	48	SW.	8	66	226	11	13	45	221	84	62	2	173	83	109	79	55	33	28	2	1	25	35	179	17	0

WYTHEVILLE, VA.

[H_b=2,327 ft.; h_t=49 ft.; h_r=40 ft.; h_a=55 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	7.7	W.	29	NW.	0	2	1	8	2	0	7	32	8	2	10	8	13	16	13	5	3	0	1	3	0	21	1	0
February	8.4	W.	40	NW.	1	1	2	4	1	0	5	31	11	1	10	6	12	13	10	5	3	0	0	9	0	19	0	0
March	8.6	W.	43	W.	1	1	3	5	4	1	5	25	18	0	16	6	9	10	7	3	0	0	0	0	0	14	1	0
April	7.0	W.	31	SW.	0	2	0	9	0	4	7	20	18	0	19	4	7	8	6	0	0	0	1	0	0	5	1	0
May	5.9	W.	36	W.	0	6	6	13	7	4	5	13	6	2	8	15	8	14	10	1	0	0	2	0	0	2	2	0
June	5.0	W.	27	W.	0	2	6	2	4	1	7	26	7	4	15	12	3	16	13	0	0	1	0	0	0	0	11	0
July	4.0	W.	18	W.	0	4	1	15	2	4	6	22	3	5	12	11	8	13	10	0	0	0	3	0	0	0	8	0
August	4.4	W.	19	W.	0	7	2	5	4	3	5	19	17	0	13	14	4	14	11	0	0	0	3	0	0	0	5	0
September	3.5	E.	20	SW.	0	4	3	14	3	2	3	10	14	7	13	15	2	9	9	0	0	0	8	0	0	0	4	0
October	4.7	NW.	21	W.	0	7	5	9	6	0	1	12	18	4	18	6	7	5	4	2	1	0	1	0	0	3	0	0
November	6.5	W.	34	W.	0	5	5	10	3	1	2	20	13	1	12	4	14	10	6	1	1	0	1	0	0	17	0	0
December	7.0	W.	35	W.	0	5	4	4	1	1	3	35	8	1	10	6	15	12	9	2	2	0	2	0	0	18	0	0
Year	6.1	W.	43	W.	2	46	38	99	37	21	56	265	141	27	156	107	102	140	106	19	10	1	22	12	0	99	33	0

YANKTON, S. DAK.

[H_b=1,233 ft.; h_t=49 ft.; h_r=42 ft.; h_a=57 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	8.2	NW.*	33	NW.	0	2	5	3	2	2	3	5	9	0	6	11	14	5	3	9	5	0	0	10	0	30	0	0
February	9.4	NW.	36	NW.	0	1	2	2	1	2	3	2	13	2	9	14	5	2	0	6	2	0	0	15	0	28	0	0
March	10.0	SW.	32	NW.	0	6	3	2	2	3	7	1	6	1	7	8	16	6	5	12	6	0	0	9	0	28	0	0
April	9.7	NW.	40	S.	1	4	4	1	2	5	2	3	9	0	9	11	10	10	7	4	2	1	0	1	0	11	2	0
May	8.2	E.	31	NW.	0	2	2	8	3	3	3	1	7	2	6	13	12	11	9	1	0	0	0	0	0	1	4	0
June	7.9	S.	33	S.	0	2	2	4	7	8	1	3	2	1	4	16	10	14	13	0	0	0	1	0	3	0	8	0
July	6.0	SE.	26	S.	0	2	6	2	9	4	4	0	2	2	6	20	5	11	7	0	0	0	0	0	15	0	8	0
August	5.3	SE.	47	NW.	1	4	2	4	7	1	2	1	5	5	10	14	7	12	11	0	0	2	0	0	0	0	10	0
September	6.9	SE.	36	SE.	0	1	2	2	6	3	3	4	5	3	11	11	8	9	7	0	0	0	0	0	1	0	5	0
October	6.9	NW.	25	S.	0	2	2	3	2	5	2	5	7	3	11	12	8	5	3	2	2	0	0	0	0	10	0	0
November	6.6	W.	36	NW.	0	2	1	1	3	4	1	10	6	2	12	11	7	2	2	0	0	0	0	1	0	18	0	0
December	7.6	W.	30	NW.	0	2	1	1	0	6	4	9	6	2	9	12	10	4	1	4	2	0	0	4	0	27	0	0
Year	7.7	NW.	47	NW.	2	30	32	34	44	46	35	44	77	23	100	153	112	91	68	38	19	3	1	40	19	153	37	0

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1923—Continued

YELLOWSTONE PARK, WYO.

[ϕ=44° 58′ N.; λ=110° 42′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Dew point: Noon, local time	Dew point: 8 p. m.	Relative humidity: 8 a. m.	Relative humidity: Noon, local time	Relative humidity: 8 p. m.	Vapor pressure: 8 a. m.	Vapor pressure: Noon, local time	Vapor pressure: 8 p. m.	Precipitation: Total	Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	23.771	24.220	23.410	19.6	26.2	23.3	28.5	13.1	20.8	40	−12	14	15	15	77	61	69	0.081	0.084	0.084	1.49	0.29	6.3	6.8	6.2	7.5
February	23.907	24.270	23.050	10.1	21.3	20.4	28.8	4.0	16.4	46	−22	6	11	12	83	64	66	.059	.076	.076	.59	.25	4.4	4.8	6.2	5.5
March	23.804	24.190	23.360	14.9	27.9	28.3	34.4	9.3	21.8	58	−14	10	14	14	79	57	56	.069	.083	.082	1.00	.32	4.5	5.9	6.3	6.1
April	23.769	24.030	23.430	26.6	41.6	41.4	46.5	23.2	34.8	66	7	21	23	23	77	51	51	.109	.125	.121	1.81	.41	5.7	6.5	5.7	6.3
May	23.823	24.250	23.470	36.1	53.7	52.3	58.2	33.3	45.8	72	22	29	29	30	75	41	48	.162	.164	1.72	1.71	.30	5.0	5.4	5.9	5.9
June	23.848	24.130	23.520	41.5	60.3	60.0	65.1	38.8	52.0	80	29	35	36	37	79	43	44	.208	.212	.220	2.10	.68	4.1	6.5	6.5	5.9
July	23.985	24.200	23.707	51.5	74.8	73.6	78.7	49.2	64.0	89	44	44	44	45	78	34	40	.296	.292	.314	.95	.32	3.0	4.1	4.6	4.3
August	24.002	24.210	23.770	45.1	69.7	67.5	73.7	42.7	58.2	88	37	39	47	45	82	45	48	.243	.322	.300	.70	.24	2.9	4.6	4.8	5.0
September	23.958	24.170	23.630	40.6	61.7	60.9	66.7	37.9	52.3	81	25	33	39	35	74	46	43	.188	.246	.211	1.05	.80	3.3	4.2	4.4	4.5
October	23.945	24.210	23.420	28.6	42.0	39.0	46.3	25.4	35.8	61	2	24	28	28	82	59	64	.133	.159	.152	1.24	.37	4.6	4.4	5.3	5.6
November	23.959	24.290	23.430	26.3	37.8	34.5	43.4	21.4	32.4	55	9	20	24	22	74	58	59	.104	.127	.114	.48	.15	4.7	4.4	4.1	4.7
December	23.862	24.410	23.260	14.3	21.5	18.8	27.0	6.9	17.0	44	−34	10	12	11	80	67	72	.071	.080	.075	1.22	.29	5.5	6.2	6.0	6.5
Year	23.887	24.410	23.050	29.6	44.9	43.4	49.8	25.4	37.6	89	−34	24	27	26	78	52	55	.144	.164	.160	14.34	.80	4.5	5.3	5.5	5.6

YUMA, ARIZ.

[ϕ=32° 45′ N.; λ=114° 36′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Dew point: Noon, local time	Dew point: 8 p. m.	Relative humidity: 8 a. m.	Relative humidity: Noon, local time	Relative humidity: 8 p. m.	Vapor pressure: 8 a. m.	Vapor pressure: Noon, local time	Vapor pressure: 8 p. m.	Precipitation: Total	Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.871	30.220	29.645	49.1	69.0	65.9	71.3	45.0	58.2	81	34	30	29	31	51	23	28	0.174	0.162	0.173	T.	T.	1.8	2.8	3.3	2.8
February	29.894	30.210	29.607	50.1	68.7	68.5	71.5	45.2	58.4	87	32	27	27	28	44	22	22	.151	.151	.155	0.03	0.03	1.8	1.8	2.8	2.2
March	29.840	30.240	29.354	50.7	73.7	74.2	77.1	46.8	62.0	89	35	30	23	24	49	17	18	.174	.135	.138	.06	.05	1.3	2.1	2.0	1.9
April	29.714	29.970	29.337	56.5	78.5	79.2	82.7	53.6	68.2	95	44	42	38	38	60	25	25	.272	.239	.233	.16	.10	2.4	2.8	2.5	2.5
May	29.591	29.800	29.299	64.5	91.6	93.6	96.2	62.1	79.2	109	52	46	38	38	52	17	15	.314	.240	.232	.00	.00	.8	.9	.9	.9
June	29.569	29.740	29.380	64.9	92.6	96.1	97.9	62.4	80.2	114	56	48	40	40	57	17	15	.347	.251	.248	.00	.00	.1	.1	.3	.3
July	29.628	29.830	29.444	78.6	99.1	100.5	103.4	76.1	89.8	111	67	64	60	58	64	31	27	.617	.545	.511	.28	.17	3.5	2.6	2.4	2.6
August	29.642	29.860	29.466	77.5	99.1	100.5	103.2	75.1	89.2	107	68	67	63	60	72	32	28	.676	.580	.534	.29	.20	1.8	1.2	1.3	1.2
September	29.674	29.900	29.370	70.2	92.8	91.2	96.0	67.1	81.6	110	52	60	54	56	71	29	32	.552	.449	.475	1.54	1.12	.6	.9	2.1	1.2
October	29.702	29.970	29.326	58.2	84.0	79.1	86.4	54.2	70.3	95	45	42	38	40	58	21	26	.274	.235	.255	.00	.00	.7	.5	.6	.5
November	29.843	30.030	29.610	55.1	73.3	67.9	74.7	50.2	62.4	80	37	42	42	44	65	34	44	.277	.278	.296	.27	.16	2.2	2.7	1.8	2.5
December	29.885	30.160	29.560	47.9	62.4	58.7	63.3	43.5	53.4	73	35	36	37	39	68	43	50	.226	.233	.246	1.28	.35	2.9	3.5	3.2	3.3
Year	29.738	30.240	29.299	60.3	82.1	81.3	85.3	56.8	71.1	114	32	44	41	41	59	26	28	.338	.292	.291	3.91	1.12	1.7	1.8	1.9	1.8

DUTCH HARBOR, ALASKA

[ϕ=53° 55′ N.; λ=166° 30′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Dew point: Noon, local time	Dew point: 8 p. m.	Relative humidity: 8 a. m.	Relative humidity: Noon, local time	Relative humidity: 8 p. m.	Vapor pressure: 8 a. m.	Vapor pressure: Noon, local time	Vapor pressure: 8 p. m.	Precipitation: Total	Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.692*	30.480	28.820	† 33.3	----	† 32.6	37.6	27.5	32.6	45	20	----	----	----	----	----	----	----	----	----	5.58	1.57	† 7.9	----	† 4.4	----
February	29.832	30.470	28.720	31.2	----	32.3	35.5	27.3	31.4	48	12	----	----	----	----	----	----	----	----	----	7.80	2.62	6.6	----	7.8	----
March	29.720	30.360	28.730	34.7	----	36.9	41.4	31.6	36.5	46	22	----	----	----	----	----	----	----	----	----	2.29	.49	7.5	----	7.3	----
April	29.558	30.206	28.806	32.9	----	36.5	39.8	30.8	35.3	48	20	----	----	----	----	----	----	----	----	----	7.13	1.46	7.3	----	8.1	----
May	29.820	30.486	28.956	38.1	----	41.3	46.2	35.7	41.0	58	26	----	----	----	----	----	----	----	----	----	3.89	1.50	7.4	----	7.7	----
June	29.739	30.266	28.726	42.5	----	45.8	50.6	40.5	45.6	58	34	----	----	----	----	----	----	----	----	----	4.34	3.00	8.1	----	7.5	----
July	29.990	30.406	29.676	46.8	----	49.9	55.5	46.9	50.0	75	40	----	----	----	----	----	----	----	----	----	2.47	----	8.4	----	7.7	----
August	29.826	30.346	29.316	49.7	----	53.0	58.8	47.9	53.4	74	44	----	----	----	----	----	----	----	----	----	2.82	1.00	8.7	----	8.3	----
September	29.664	30.546	28.506	46.5	----	47.9	54.2	43.0	48.6	64	34	----	----	----	----	----	----	----	----	----	3.70	1.20	9.2	----	9.3	----
October	29.280	29.866	28.446	38.8	----	39.2	45.0	36.4	40.7	50	26	----	----	----	----	----	----	----	----	----	10.42	2.10	8.8	----	9.5	----
November	29.326	29.996	28.826	35.7	----	36.1	41.9	31.5	36.7	45	24	----	----	----	----	----	----	----	----	----	3.88	2.10	6.2	----	8.1	----
December	29.510	30.166	28.486	30.7	----	31.3	36.1	25.2	30.6	44	10	----	----	----	----	----	----	----	----	----	----	----	7.1	----	7.7	----
Year	29.663	30.546	28.446	38.4	----	40.2	45.2	35.4	40.2	75	10	----	----	----	----	----	----	----	----	----	----	----	7.8	----	7.8	----

EAGLE, ALASKA

[ϕ=64° 46′ N.; λ=141° 12′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Dew point: Noon, local time	Dew point: 8 p. m.	Relative humidity: 8 a. m.	Relative humidity: Noon, local time	Relative humidity: 8 p. m.	Vapor pressure: 8 a. m.	Vapor pressure: Noon, local time	Vapor pressure: 8 p. m.	Precipitation: Total	Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.041*	29.555	28.270	† −19.3	----	† −16.6	−10.5	−27.4	−19.0	14	−52	----	----	----	----	----	----	----	----	----	0.19	0.07	† 4.5	----	† 5.5	5.4
February	29.265	30.110	28.240	−1.5	----	6.3	9.9	−5.3	2.3	33	−38	----	----	----	----	----	----	----	----	----	.87	.16	6.7	----	6.5	6.6
March	29.111	29.628	28.323	.9	----	12.8	19.0	−5.3	6.9	36	−43	----	----	----	----	----	----	----	----	----	.44	.10	5.1	----	5.8	5.4
April	28.892	29.253	28.012	26.0	----	36.0	42.5	18.4	30.4	53	1	----	----	----	----	----	----	----	----	----	.22	.08	5.9	----	6.2	5.9
May	28.960	29.419	28.510	43.7	----	50.9	58.3	30.6	44.4	70	4	----	----	----	----	----	----	----	----	----	.54	.19	3.6	----	5.1	5.2
June	28.946	29.299	28.564	58.9	----	65.9	73.4	38.9	55.2	91	36	----	----	----	----	----	----	----	----	----	2.67	.78	5.4	----	5.7	5.2
July	29.092	29.405	28.680	61.4	----	70.8	77.7	46.6	62.1	90	38	----	----	----	----	----	----	----	----	----	.66	.24	3.1	----	4.4	4.3
August	29.012	29.298	28.680	55.2	----	70.6	76.2	43.3	59.8	87	32	----	----	----	----	----	----	----	----	----	.75	.33	2.8	----	3.5	3.5
September	28.802	29.450	28.203	41.7	----	49.0	54.9	35.1	45.0	72	22	----	----	----	----	----	----	----	----	----	1.25	.48	7.0	----	8.0	8.4
October	28.784	29.520	28.300	34.0	----	39.5	47.9	27.8	37.8	66	5	----	----	----	----	----	----	----	----	----	.10	.07	5.7	----	5.4	5.2
November	28.763	29.300	28.140	9.5	----	13.8	19.8	4.7	12.2	35	−45	----	----	----	----	----	----	----	----	----	.74	.30	7.4	----	7.0	7.3
December	28.856	29.899	28.260	−20.4	----	−21.2	−13.5	−30.0	−21.8	3	−56	----	----	----	----	----	----	----	----	----	.36	.09	4.6	----	4.0	5.5
Year	28.960	30.110	28.012	24.2	----	31.5	38.0	14.6	26.3	91	−56	----	----	----	----	----	----	----	----	----	8.79	.78	5.2	----	5.6	5.7

* No diurnal correction applied.

† 6 a. m. and 6 p. m., 165th meridian time, at Dutch Harbor; 8 a. m. and from 4 to 8 p. m., 135th meridian time, at Eagle.

Annual meteorological summary for the year ending December 31, 1923—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	Number of winds, 8 a. m. and 8 p. m.†: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorms	Auroras
	Miles		*Mi.*																									
January	9.5	S.	42	S.	1	2	1	0	7	28	20	2	2	0	0	15	16	19	11	23	19	0	0	19	0	31	0	0
February	7.3	S.	52	NW.	1	4	0	0	3	20	11	8	10	0	10	8	10	14	7	17	14	0	0	16	0	28	0	0
March	9.1	S.	39	NW.	0	4	0	0	2	17	21	5	13	0	7	11	13	13	10	21	13	0	0	14	0	31	0	0
April	6.9	S.	30	N.	0	6	2	0	3	21	10	2	16	0	7	7	16	15	9	16	13	0	0	1	0	28	2	0
May	7.5	S.	43	S.	1	3	0	2	2	25	11	5	13	1	6	12	13	16	13	7	4	1	0	0	0	11	8	0
June	7.3	S.	36	S.	0	4	0	1	6	24	17	1	7	0	6	16	8	20	12	1	1	0	0	0	0	3	11	0
July	6.5	S.	37	S.	0	5	1	3	4	18	17	6	8	0	12	15	4	13	8	0	0	0	0	0	0	0	12	0
August	5.9	S.	34	S.	0	7	0	1	2	23	13	5	11	0	9	17	5	11	6	0	0	2	0	0	0	0	10	0
September	7.9	S.	33	S.	0	2	1	1	3	18	9	3	23	0	12	11	7	6	5	0	0	0	0	0	0	2	4	0
October	6.9	S.	36	S.	0	7	0	0	3	20	16	3	13	0	8	12	11	12	8	11	8	0	0	2	0	24	0	0
November	7.0	S.	37	S.	0	1	0	1	2	32	15	5	4	0	14	5	11	9	5	13	9	0	0	3	0	30	0	0
December	8.3	S.	40	S.	1	4	0	1	5	30	12	7	3	0	4	14	13	17	10	21	17	0	0	20	0	31	0	0
Year	7.5	S.	52	NW.	4	49	5	10	42	276	172	52	123	1	95	143	127	165	104	130	98	3	0	75	0	219	47	0

YUMA, ARIZ.

[H_b=141 ft.; h_t=9 ft.; h_r=2 ft.; h_a=54 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	3.4	N.	18	NW.	0	26	10	5	2	2	3	4	9	1	20	8	3	0	0	0	0	0	0	0	0	0	0	0
February	6.7	N.	32	N.	0	31	6	3	1	2	2	5	5	1	20	6	2	1	0	0	0	0	0	0	0	1	0	0
March	6.5	N.	40	NW.	1	22	2	1	3	10	4	7	13	0	23	5	3	2	1	0	0	0	0	0	0	0	0	0
April	6.4	W.	42	NW.	1	3	0	2	1	14	8	23	8	1	22	5	3	4	3	0	0	0	0	0	6	0	2	0
May	5.7	W.	27	W.	0	1	0	1	6	9	15	18	10	2	30	1	0	0	0	0	0	0	0	0	27	0	0	0
June	4.8	SW.	29	NW.	0	0	1	0	4	11	24	19	1	0	29	1	0	0	0	0	0	0	0	0	25	0	0	0
July	5.6	SW.	32	E.	0	0	1	1	13	17	21	5	0	4	21	7	3	2	2	0	0	0	0	0	30	0	3	0
August	4.5	SW.	18	NE.	0	4	2	1	14	10	24	5	2	0	27	4	0	2	2	0	0	0	0	0	31	0	6	0
September	3.2	SW.	27	SE.	0	6	2	3	5	3	19	14	6	2	27	2	1	3	2	0	0	0	0	0	22	0	4	0
October	4.0	N.	31	N.	0	16	8	0	2	8	11	12	4	1	30	1	0	0	0	0	0	0	0	0	11	0	0	0
November	3.2	N.	32	N.	0	27	13	3	1	2	3	5	5	1	22	5	3	3	2	0	0	0	0	0	0	0	1	0
December	5.9	N.	32	N.	0	32	11	4	1	4	0	2	8	0	19	7	5	8	7	0	0	0	1	0	0	0	1	0
Year	5.0	N.	42	NW.	2	168	56	24	53	92	134	119	71	13	290	52	23	25	19	0	0	0	1	0	152	1	17	0

DUTCH HARBOR, ALASKA

[H_b=13 ft.; h_t=4 ft.; h_r=3 ft.; h_a=— ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January		SW.*				6	0	1	9	3	15	4	8	16										5	0	26		
February		NW.				8	0	8	9	1	8	0	12	10										8	0	20		
March		SW.				7	0	0	7	4	16	5	2	21				15	12	7	9			1	0	19		
April		SE.				6	5	4	11	2	6	4	6	16				25	24	7	5			0	0	20		
May		NW.				4	4	4	9	8	4	4	11	13				9	9					0	0	0		
June		N.				15	5	7	7	5	7	2	1	11				4	4	0	0			0	0	0		
July		E.				3	7	10	10	3	1	1	1	26										0	0	0		
August																		9	8	0	0			0	0	0		
September		SE.				3	8	2	9	7	4	3	3	21				11	11					0	0	0		
October		NE.				7	10	0	6	0	3	0	10	25				13	12	0	0			0	0	4		
November		NE.				2	10	0	8	1	9	3	8	19				9	9					0	0	21		
December		SW.				2	6	0	11	4	12	1	11	15										3	0	30		
Year																								17	0	140		

EAGLE, ALASKA

[H_b=815 ft.; h_t=4 ft.; h_r=3 ft.; h_a=— ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January		E.*				9	8	18	1	0	1	13	1	11	12	4	15	7	1	9	7			31	0	31		1
February		E.				6	2	13	0	0	0	8	1	26	7	3	18	11	9	13	11			27	0	28		2
March		E.				6	5	18	0	3	0	11	0	19	12	5	14	9	6	13	9			30	0	31		12
April		N.				14	1	10	0	2	2	9	0	22	9	6	15	4	3	11	4			1	0	29		6
May		N.				24	4	10	1	2	0	15	1	5	11	7	13	7	4	2	1	1		2	0	18	1	
June		W.				11	1	17	0	2	2	23	0	4	13	3	14	18	10	0	0			0	1	0	4	
July		E.				13	4	18	0	2	0	18	2	5	15	5	11	9	4	0	0			0	1	0	2	
August		W.				9	2	11	0	1	0	17	1	21	17	7	7	5	3	0	0			0	0	1	3	4
September		E.				4	6	17	9	2	2	11	2	7	2	4	24	11	10	2	1			0	0	11		11
October		E.				3	9	16	6	1	0	14	8	5	12	8	11	2	1	2	1		0	1	0	22		11
November		E.				5	6	15	5	2	1	10	8	8	5	6	19	7	4	9	7			26	0	30		5
December		E.				3	2	23	0	0	0	7	0	27	11	6	14	9	5	11	9			31	0	31		7
Year		E.				107	50	186	22	17	8	156	24	160	126	64	175	99	60	72	50			149	2	232		

* By eye observations at this station.
† At the observation hours at Dutch Harbor and Eagle.

Annual meteorological summary for the year ending December 31, 1923—Continued

KODIAK, ALASKA (RADIO STATION)

[ϕ=57° 47′ N.; λ=152° 22′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.	†		†	
January	29.650	30.423	28.753	31.4		31.1	36.2	25.7	31.3	43	15										1.11	0.20	4.9		5.5	
February	29.840	30.763	28.733	33.5		33.0	38.8	28.2	33.4	58	12												6.5		6.5	
March	29.860	30.393	29.023	32.3		34.7	40.8	28.9	34.8	45	8												5.2		5.7	
April	29.653	30.136	28.693	37.1		38.7	44.1	32.8	38.4	52	25										3.43	1.18	7.8		6.2	
May	29.795	30.344	29.391	42.2		43.7	48.5	38.0	43.2	58	32										3.36	0.76	7.8		7.5	
June	29.901	30.283	29.543	47.5		49.5	54.9	42.7	48.8	68	39										5.00	1.74	7.3		7.1	
July	30.029	30.413	29.683	53.8		57.3	65.0	48.6	56.8	80	44										1.00	.42	5.5		5.7	
August	29.859	30.193	29.233	53.5		55.4	61.5	50.4	56.0	69	44										2.36	.58	8.1		7.8	
September	29.624	30.353	28.723	47.7		50.0	56.6	44.9	50.8	64	31										3.51	1.02	5.9		7.5	
October	29.337	29.933	28.693	42.8		44.3	51.9	39.7	45.8	61	31										10.62	1.63	7.3		8.4	
November	29.321	30.013	28.313	37.6		38.1	44.3	32.8	38.6	63	24										6.64	1.33	6.4		6.9	
December	29.377	30.593	28.553	29.2		30.4	36.1	23.8	30.0	54	14										1.81	.65	4.8		5.2	
Year	29.687	30.763	28.313	40.7		42.2	48.2	36.4	42.3	80	8												6.5		6.7	

NOME, ALASKA

[ϕ=64° 30′ N.; λ=165° 24′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.742	30.410	28.610	−0.7		−0.2	8.8	−11.5	−1.4	32	−40										3.70	0.74	4.1		5.0	
February	30.120	30.760	29.220	9.0		12.6	20.3	5.2	12.8	38	−19										.29	.18				
March	29.948	30.580	29.070	11.7		16.7	20.2	4.5	12.4	34	−25										1.12	.40	5.6		5.5	
April	29.856	30.267	29.161	20.2		23.7	26.8	13.9	20.4	36	−6										.08	.08	3.7		3.2	
May	29.934	30.392	29.590	36.3		37.9	41.9	29.7	35.8	66	11										.06	.06				
June	29.884	30.320	29.542	48.7		49.4	54.0	40.1	47.0	70	26										1.29	.41	5.5		3.7	
July	29.986	30.300	29.610	50.7		53.3	57.3	44.9	51.1	77	31										.67	.21	7.5		5.5	6.1
August	29.838	30.110	29.420	52.7		57.5	60.6	49.5	55.0	69	43										2.97	.62	8.5		7.3	7.7
September	29.548	30.184	28.990	40.9		44.9	49.0	39.1	44.0	62	16										4.43	.62	7.3		8.0	7.2
October	29.454	29.941	28.622	31.8		33.6	37.8	28.7	33.2	54	10										.69	.17	7.4		6.6	6.7
November	29.565	30.250	29.050	20.4		19.9	24.6	15.6	20.1	36	0										.22	.11	5.4		5.0	5.0
December	29.607	30.180	29.160	−1.3		−0.5	4.3	−7.6	−1.6	33	−28										1.58	.50	3.7		4.4	4.4
Year	29.790	30.760	28.610	26.7		29.1	33.8	21.0	27.4	77	−40										17.10	.74				

SITKA, ALASKA

[ϕ=57° 04′ N.; λ=135° 20′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.598	30.273	28.810	31.9		32.5	37.2	27.5	32.4	44	13										6.40	1.04	7.6		7.7	7.6
February	29.978	30.776	29.067	34.7		34.5	41.5	29.8	35.6	50	10										13.31	4.92	8.2		7.0	7.0
March	29.866	30.410	29.160	35.4		36.3	44.4	31.2	37.8	61	19										11.17	2.28	7.9		8.0	7.5
April	29.750	30.200	29.150	42.8		43.1	51.2	36.0	43.6	64	30										4.71	.83	7.5		7.7	6.9
May	29.819	30.268	29.249	49.2		47.8	56.8	39.9	48.4	70	30										3.05	.91	6.0		7.2	6.3
June	29.894	30.238	29.567	54.6		54.0	61.6	45.7	53.6	76	38										1.19	.61	6.2		5.2	5.6
July	29.984	30.304	29.743	58.3		57.7	65.3	50.5	57.9	79	44										2.28	.63	6.6		6.6	6.6
August	29.862	30.152	29.259	60.7		59.0	69.2	52.9	61.0	81	46										5.28	1.90	5.9		6.5	5.7
September	29.792	30.311	29.060	52.4		52.3	61.2	46.7	54.0	78	37										15.17	3.74	7.0		7.3	7.2
October	29.727	30.380	29.025	48.1		48.4	56.9	43.4	50.2	69	34										9.19	2.21	7.4		6.9	6.9
November	29.586	30.030	28.944	42.3		43.1	48.3	37.6	43.0	57	26										13.99	1.86	8.8		7.9	7.7
December	29.446	30.620	28.490	35.9		35.6	40.1	30.8	35.4	50	11										16.10	2.39	8.8		8.8	8.2
Year	29.775	30.776	28.490	45.5		45.2	52.8	39.3	46.1	81	10										101.84	4.92	7.3		7.2	6.9

TANANA, ALASKA

[ϕ=65° 10′ N.; λ=152° 06′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.651	30.280	28.860	−13.6		−11.5	−4.2	−21.2	−12.7	34	−56										0.75	0.23	4.2		4.5	4.4
February	29.888	30.609	28.940	3.2		6.8	11.0	−1.5	4.8	35	−21										.92	.32	5.9		6.9	6.1
March	29.790	30.300	28.979	−.9		8.9	13.2	−5.2	4.0	31	−44										1.28	.48	5.8		5.4	5.4
April	29.577	29.995	28.606	18.9		31.5	36.3	11.7	24.0	46	−13										.34	.21	4.9		3.6	4.5
May	29.642	30.181	29.164	42.0		53.6	57.2	33.7	45.4	70	0										1.08	.52	5.3		5.1	4.7
June	29.620	29.986	29.140	56.2		64.4	69.8	45.2	57.5	85	32										1.25	.36	5.3		6.2	5.6
July	29.778	30.129	29.297	59.7		71.3	75.1	46.9	61.0	87	34										1.95	.92	4.5		5.2	4.4
August	29.677	29.938	29.233	54.2		71.6	75.3	44.4	59.8	85	34										.44	.32	4.0		3.9	3.7
September	29.433	30.169	28.870	39.3		47.0	50.1	35.7	42.9	67	15										3.48	.70	7.5		7.4	7.3
October	29.347	29.954	28.610	29.7		35.9	40.0	27.2	33.6	58	11										.09	.04	5.7		6.0	5.7
November	29.428	30.060	28.720	5.9		6.2	12.4	.5	6.4	26	−39										.13	.09	2.9		3.5	3.2
December	29.531	30.540	28.940	−15.7		−17.3	−10.9	−24.5	−17.7	7	−48										.21	.08	4.4		3.3	4.3
Year	29.614	30.609	28.606	23.2		30.7	35.4	16.1	25.8	87	−56										11.92	.92	5.0		5.1	4.9

* No diurnal correction applied.

† 7 a. m. and 7 p. m., 150th meridian time, at Kodiak; 6 a. m. and from 5 to 6 p. m., 165th meridian time, at Nome; 8 a. m. and 8 p. m., 135th meridian time, at Sitka; 7 a. m. and from 4:30 to 6:45 p. m., 150th meridian time, at Tanana.

Annual meteorological summary for the year ending December 31, 1923—Continued

KODIAK, ALASKA (RADIO STATION)

[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	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		NW.*				3	10	3	9	1	5	5	15	8				9	6					6	0	27		
February		SE.				8	7	1	9	3	6	7	6	9										3	0	21		
March		SW.				5	7	7	10	3	12	7	8	3										1	0	21		
April		SE.				4	7	9	13	2	6	5	8	6				13	13					0	0	12		
May		NW.				7	11	5	13	1	3	2	15	5				13	12	0	0			0	0	1		
June		SE.				2	10	8	30	1	2	3	3	1				12	12	0	0			0	0	0		
July		E.				0	10	13	13	1	5	5	11	4				6	6	0	0			0	0	0		
August		NE.				8	17	5	4	1	1	3	10	13				11	11	0	0			0	0	0		
September		SE.				2	3	9	18	0	9	2	8	9				14	13					0	0	1		
October		SE.				1	14	16	20	1	4	1	3	2				17	16	0	0			0	0	4		
November		NE.				2	14	10	10	0	5	2	12	5				17	17					0	0	16		
December		NW.				2	4	4	5	2	15	9	18	3				6	6	7	2			6	0	26		
Year		SE.				44	114	90	154	16	73	51	120	68										16	0	129		

NOME, ALASKA

[H_b=22 ft.; h_t=5 ft.; h_r=6 ft.; h_a=49 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January	12.0	NE.*	43			10	22	5	2	2	4	7	7	3	16	0	15	14	13	14	13			31	0	31		
February	11.1	NE.	46			5	21	8	2	1	2	5	11	1				2	2					19	0	28		
March		NE.				5	36	1	10	2	2	2	4	0	14	0	17	7	7					29	0	31		
April	11.0	NE.	47			3	37	0	1	1	8	2	8	0	19	3	8	1	1					19	0	30		
May	7.3	NE.	40			1	26	2	15	0	15	2	1	0	18	0	13	2	1	5	2			3	0	21		
June	7.5	E.	25		0	1	8	13	8	3	11	5	9	2	12	0	9	10	7	0	0			0	0	6		
July	7.8	W.	24		0	4	2	11	8	7	11	14	4	1	8	7	16	9	5	0	0			0	0	2		
August	7.7	W.	30		0	5	8	12	12	2	2	14	7	0	1	11	19	18	13	0	0		1	0	0	0		
September	10.6	NE.	50	S.	2	13	9	10	4	4	5	4	11	0	3	8	19	17	15	3	0			2	0	7	1	
October	10.5	NE.	38		0	20	20	14	2	1	0	2	1	2	7	5	19	15	7	9	3			4	0	17		
November	7.4	N.	30		0	33	23	0	0	0	0	0	0	4	12	6	12	6	2	15	4			25	0	29	1	
December	8.8	W.	50	SE.	3	24	16	11	0	3	1	1	1	5	16	3	12	10	10	14	10			30	0	31	0	2
Year		NE.				124	228	87	64	26	61	58	64	18				111	83					162	0	233		

SITKA, ALASKA

[H_b=90 ft.; h_t=3 ft.; h_r=2 ft.; h_a= — ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January		E.*				4	18	23	6	1	2	1	2	5	5	6	20	20	18	10	7			7	0	23		
February															6	7	15	18	18	9	3			3	0	17	1	
March		E.				3	11	17	2	0	3	8	3	15	4	5	22	20	18	10	1			0	0	18	0	
April		E.				4	1	14	5	3	2	2	6	23	5	8	17	16	15	2	0			0	0	4		
May		NW.				2	3	2	8	1	3	7	11	25	8	7	16	16	13	0	0			0	0	2		
June		W.				0	0	1	0	2	4	28	0	25	10	10	10	8	4	0	0			0	0	0		
July		W.				0	0	8	2	4	5	18	0	25	6	8	17	15	9	0	0			0	0	0		
August		W.				1	1	6	2	2	3	15	0	32	10	11	10	12	11	0	0			0	0	0		
September		E.				1	7	16	8	1	2	5	1	19	6	4	20	24	22	0	0			0	0	0		
October		E.				0	4	28	5	1	2	1	2	19	5	11	15	23	18	0	0			0	0	0		
November		E.				2	5	29	5	0	4	1	2	12	4	4	22	26	24	2	0			0	0	7		
December		E.				3	1	28	3	1	3	6	4	13	3	4	24	26	24	11				3	0	16	5	
Year															72	85	208	224	194	44				13	0	87		

TANANA, ALASKA

[H_b=242 ft.; h_t=4 ft.; h_r=3 ft.; h_a=— ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 40 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Auroras
January		NE.*				4	32	4	1	0	2	7	4	8	14	10	7	13	6	18	6	0	0	29	0	31	0	6
February		E.				4	14	18	3	0	2	10	1	4	8	6	14	8	5	11	8	0	0	25	0	28	0	6
March		E.				2	13	27	9	0	1	4	5	1	12	7	12	11	8	14	11	0	0	31	0	31	0	4
April		E.				7	10	24	1	0	4	12	0	2	11	13	6	4	2	5	4	0	0	7	0	29		0
May		E.				2	12	16	11	1	5	8	5	2	9	19	3	8	5	1	1	0	0	0	0	10	1	0
June		W.				1	0	9	11	9	9	15	5	1	7	14	9	11	9	0	0		0	0	0	1	2	
July		W.				1	1	4	8	6	8	18	7	9	16	8	7	10	7	0	0	1	0	0	0	0	1	0
August		NW.				1	8	8	0	2	1	2	20	20	18	8	5	4	2	0	0		3	0	0	0	1	2
September		NE.				2	23	11	4	0	3	7	7	3	3	10	17	19	17	5	1	1	1	0	0	10	2	2
October		NE.				11	39	5	1	0	0	1	2	3	4	21	6	5	1	5	2	0	0	6	0	23	0	4
November		NE.				17	23	7	0	0	0	0	9	4	19	8	3	4	1	9	4	0	0	30	0	30		3
December		NE.				9	27	5	0	0	0	2	6	13	13	12	6	5	3	8	5	0	0	31	0	31	0	4
Year		NE.				61	202	138	49	18	35	86	71	70	134	136	95	102	66	76	42		4	159	0	224		

* By eye observations at this station.

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PART IV

MONTHLY AND ANNUAL PRECIPITATION, 1923 (ALL STATIONS)—MONTHLY AND SEASONAL SNOWFALL, SEASON 1923–24 (SELECTED STATIONS)—MONTHLY AND ANNUAL EVAPORATION, 1923

The precipitation values given in the following tables have been taken largely from the records of unpaid cooperating observers. Most of these observers have standard rain gauges, the remainder having gauges similar in pattern to the standard.

Occasionally the record for a station may be incomplete from various causes, either for a single storm or for a longer period. Where conditions were favorable, the missing data have been supplied by interpolation from the records of near-by stations. The monthly amounts in such cases are inclosed in brackets to show that the whole amount or some portion has been estimated.

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 as early as 6 o'clock a. m., whereas the other may defer it to 9 p. m. or later, thus sometimes 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 1923–24 are given for selected stations in the United States and Canada.

The monthly and annual amounts of evaporation during the year 1923 follow the snowfall, this being the fifth year that this series of reports has included them. The number of these reports at the present time is small, records appearing from only about half of the States.

The evaporation measurements are all made from cylindrical pans, 4 feet in diameter, 10 inches deep, placed on framework laid on the ground, and exposed as far as possible to full sunshine. A description of equipment and methods of observation appears in the Monthly Weather Review of December, 1916, pages 674 to 677.

Monthly and annual precipitation (in inches and hundredths) for 1923

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Alabama													
Alaga	4.88	3.60	6.45	2.70	7.95	8.95	7.65	6.55	3.25	1.55	2.15	3.10	58.78
Anniston	2.84	7.70	5.25	6.65	7.30	3.20	3.46	4.01	0.67	0.80	4.80	5.82	52.50
Auburn	3.86	6.71	------	6.13	9.38	3.37	3.84	7.09	0.68	1.55	4.21	4.65	------
Bay Minette	2.73	6.05	6.88	3.67	10.00	6.34	5.82	4.23	3.30	11.40	5.34	6.35	72.11
Benton	3.71	5.30	7.03	4.06	8.05	1.68	4.70	4.09	0.03	2.59	4.46	6.42	53.92
Birmingham	3.82	5.87	5.15	7.58	7.27	2.10	6.42	6.90	1.50	1.60	5.50	5.30	59.01
Bridgeport	4.56	5.66	6.29	5.57	7.43	3.20	6.13	4.79	1.54	1.51	4.43	5.99	57.10
Calera	2.90	7.62	4.15	6.76	8.92	2.40	3.87	2.57	1.40	1.45	5.86	4.20	52.10
Camp Hill	5.21	6.30	6.17	6.78	8.39	4.48	3.51	6.38	0.00	1.50	4.60	5.03	58.35
Centerville	3.06	9.28	5.45	7.49	12.84	3.48	6.16	6.02	2.16	1.99	6.26	5.85	70.04
Citronelle	4.32	2.52	4.47	7.65	9.99	5.68	8.87	10.96	0.43	4.55	------	6.05	------
Clanton	3.58	4.96	4.05	6.30	7.49	2.95	4.42	5.42	1.57	1.66	4.19	5.45	52.04
Cochrane	5.58	5.63	7.36	10.91	9.35	4.20	5.22	8.25	0.75	3.05	5.51	3.00	68.81
Coffee Springs	------	------	------	------	------	------	------	------	------	2.33	3.96	2.99	------
Dadeville	5.34	5.27	8.47	7.24	7.46	3.94	2.59	8.26	0.68	1.90	5.33	5.65	62.13
Decatur	6.20	6.35	5.78	5.14	6.27	3.87	2.92	8.20	0.92	1.63	4.72	7.75	59.75
Demopolis	3.57	6.00	7.16	6.23	7.96	5.32	4.59	7.37	0.86	3.13	5.53	6.39	64.11
Eufaula	3.91	5.12	7.78	2.56	10.99	4.93	4.07	6.32	4.55	1.42	3.69	2.76	58.10
Evergreen	5.66	8.27	7.65	3.15	9.34	3.66	1.28	10.26	0.16	1.73	4.79	3.60	59.55
Fayette	6.51	5.72	6.77	7.50	8.24	3.52	10.94	9.25	0.96	3.86	6.79	5.70	75.76
Florence	6.16	5.59	8.14	5.32	5.40	2.27	3.62	7.96	3.22	2.26	4.85	6.90	61.69
Fort Deposit	6.08	6.21	6.65	3.61	6.02	3.94	4.62	7.01	0.71	1.79	6.22	5.21	58.07
Gadsden	5.34	5.96	5.49	6.68	8.59	1.82	3.69	3.66	1.26	0.56	6.12	6.76	55.93
Goodwater	3.75	7.68	3.85	7.00	8.20	3.97	4.57	3.92	0.78	2.63	6.21	6.93	59.49
Greensboro	2.64	5.99	5.04	7.06	7.42	2.57	6.96	4.82	1.15	2.47	6.56	7.55	60.23
Greenville	4.13	5.94	7.13	4.78	7.77	4.47	4.51	9.42	0.25	1.64	4.82	5.90	60.76
Guntersville	3.18	7.04	5.94	6.26	8.01	2.45	3.90	4.58	0.92	0.47	4.36	6.15	53.26
Healing Springs	2.98	8.45	3.97	6.56	12.75	1.55	8.25	------	------	2.19	8.20	6.90	------
Helena	3.24	8.15	4.88	8.31	7.96	1.95	6.46	4.58	1.31	2.05	5.75	5.91	60.55
Highland Home	3.63	5.74	7.99	3.93	5.52	7.10	4.16	6.09	0.37	2.31	5.32	3.55	55.71
Leeds	4.62	6.91	5.07	7.67	12.38	2.17	------	3.62	0.46	2.24	6.47	5.19	------
Lock No. 4	3.73	8.09	4.76	6.45	9.34	1.59	5.12	10.05	1.40	1.03	4.71	7.49	63.76
Madison	6.02	6.24	7.25	6.69	8.07	6.42	6.67	6.23	1.32	1.09	4.88	9.28	70.16
Maple Grove	4.79	6.37	5.10	7.30	11.38	1.87	4.82	4.19	1.52	0.78	------	------	------
Marion	3.73	5.13	3.62	6.22	10.32	2.55	11.04	5.90	1.38	1.62	5.10	8.16	64.77
Mentone	4.63	6.36	6.26	8.82	11.67	1.87	3.22	6.73	2.55	3.21	4.69	6.86	66.87
Millport	------	------	------	------	------	------	------	------	------	2.85	5.98	5.41	------
Milstead	4.46	7.18	6.45	4.76	7.33	2.18	4.88	3.68	0.55	3.99	4.67	4.41	54.54
Mobile	2.65	4.58	6.09	4.39	7.91	5.97	4.98	4.46	0.47	5.64	4.33	6.13	57.60
Montgomery	3.54	6.79	7.27	5.32	9.69	2.92	3.81	6.30	0.12	1.38	5.89	4.60	57.63
Ozark	3.13	4.30	9.87	4.25	6.91	6.55	8.25	6.79	1.75	1.39	4.41	2.59	60.19
Prattville	3.57	4.95	7.68	6.43	5.65	1.23	7.28	8.98	0.05	1.36	5.37	5.56	58.11
Primrose Farm	4.92	7.22	6.09	4.96	5.19	2.32	4.64	8.97	0.16	1.53	5.03	3.37	54.40
Pushmataha	1.82	5.13	6.49	7.95	14.30	3.23	8.99	3.06	0.97	3.87	8.10	7.31	71.22
Riverton	5.19	4.21	7.65	5.80	7.43	5.36	5.29	7.44	1.39	5.88	4.22	7.47	67.33
Robertsdale	3.18	5.08	6.77	3.16	8.12	14.07	10.71	5.10	2.87	11.42	5.19	2.42	78.09
Scottsboro	4.25	3.62	4.93	7.26	5.98	1.64	3.01	3.70	1.96	0.66	4.32	7.17	48.50
Selma	3.07	4.58	5.51	6.03	8.28	5.33	5.06	5.33	1.39	1.85	5.21	4.95	56.59
Silverhill	3.47	4.27	6.46	3.10	7.24	11.56	8.52	8.68	1.62	12.66	4.32	3.22	75.12
Spring Hill	2.97	5.15	6.21	4.32	9.29	8.09	3.32	5.91	2.01	5.97	5.55	5.75	64.54
St. Bernard	4.24	5.66	6.65	7.85	9.10	1.58	4.96	7.75	1.71	1.76	6.62	7.49	65.37
Talladega	2.38	10.72	6.18	5.72	9.67	6.96	4.40	6.62	1.11	0.64	5.85	4.63	64.88
Tallassee	3.47	5.91	6.17	6.53	10.03	4.80	------	4.79	0.00	0.68	5.40	3.81	------
Thomasville	3.10	6.50	9.15	4.81	16.71	2.79	4.55	7.50	1.18	3.65	5.05	6.35	71.34
Troy	3.19	5.39	9.91	3.43	4.60	3.58	4.41	8.37	2.35	1.95	5.08	2.00	54.26
Tuscaloosa	4.32	6.73	7.06	10.78	11.11	4.22	6.01	5.19	0.54	3.05	5.89	6.18	71.08
Tuscumbia	6.18	4.75	7.65	5.63	5.89	2.68	2.85	9.02	1.35	2.66	4.27	5.65	58.58
Tuskegee	1.37	4.14	4.88	4.23	8.37	2.37	2.23	1.02	0.06	2.47	4.12	1.89	37.15
Union Springs	3.73	5.63	10.35	2.98	5.66	4.47	5.21	8.25	T.	2.10	4.38	1.78	54.49
Uniontown	2.51	3.65	3.27	4.72	8.55	1.48	3.71	2.97	0.86	1.01	5.10	5.50	43.33
Valley Head	3.63	4.88	4.15	8.73	9.48	1.50	2.74	7.00	3.37	1.55	3.83	5.47	56.33
Wetumpka	4.70	4.80	8.25	7.25	8.54	8.07	4.05	4.62	0.70	1.60	6.15	5.80	64.53
Winfield	------	------	------	8.01	8.79	2.91	6.85	8.74	0.30	3.65	7.65	7.07	------
Alaska													
Akiak	1.69	0.63	1.03	0.53	0.68	1.11	2.58	3.99	------	------	------	------	------
Akulurak	------	------	------	------	------	1.15	1.09	2.18	4.76	1.71	0.02	------	------
Allakaket	0.76	1.79	1.80	0.61	0.81	1.61	1.10	1.58	3.03	0.81	0.05	0.18	14.13
Anchorage	1.61	0.79	0.78	0.35	0.08	0.61	1.70	0.89	5.09	1.72	1.03	0.52	15.17
Annex Creek	6.23	15.22	7.36	6.07	3.91	1.86	3.10	9.39	18.12	15.45	16.72	13.12	116.55
Atka	------	------	------	------	------	------	------	------	------	5.46	5.24	9.75	------
Barrow	------	------	0.43	0.36	0.65	0.16	0.53	0.31	0.49	1.07	0.50	0.37	------
Bethel	------	------	------	------	------	------	------	------	4.70	0.21	0.13	0.72	------
Broad Pass	1.44	0.70	1.20	0.12	1.56	1.65	1.11	0.12	3.05	0.71	0.32	0.70	12.68
Cache Creek	------	------	------	------	------	------	------	------	12.77	2.20	1.94	0.48	------
Calder	6.18	12.75	9.17	9.40	6.78	2.14	1.48	6.77	21.85	13.63	23.69	------	------
Candle	0.51	0.19	0.35	0.50	------	------	------	------	------	------	------	------	------
Chickaloon	1.39	0.60	1.14	0.10	0.00	0.34	1.55	0.73	5.20	1.10	0.70	0.35	13.20
Chitina	0.60	1.55	1.00	0.16	0.49	0.08	0.36	0.32	3.28	0.78	2.18	0.61	11.41
Copper Center	0.30	0.52	------	------	------	------	------	------	------	------	------	------	------
Cordova	3.46	7.54	5.54	12.50	3.21	6.81	12.55	2.69	34.19	37.04	27.09	6.46	159.08
Dillingham	3.26	1.93	4.88	2.14	1.06	1.63	1.20	3.49	4.85	3.10	0.35	------	------
Dutch Harbor (Radio Station)	5.58	7.80	2.29	7.13	3.89	4.34	2.47	2.82	3.70	10.42	3.88	------	------
Eagle	0.19	0.87	0.44	0.22	0.54	2.67	0.66	0.75	1.25	0.10	0.74	0.36	8.79
Fairbanks (near)	1.17	0.90	0.78	0.02	1.25	1.57	0.41	0.85	1.55	0.09	0.61	0.17	9.37
Fortmann Hatchery	11.31	17.53	14.09	12.97	8.50	2.23	2.05	9.61	16.55	10.77	26.63	25.53	157.77
Fort Yukon	0.21	1.43	0.26	0.55	------	------	------	------	------	0.20	0.14	0.02	------
Geese Islands	------	------	------	------	3.67	4.15	3.03	2.60	7.45	11.22	6.97	4.05	------
Girdwood	2.48	1.81	1.35	------	------	------	------	------	------	------	------	------	------
Holy Cross	------	2.82	------	0.40	0.58	0.97	1.92	2.03	3.63	1.40	0.43	1.08	------
Hydaburg	------	------	------	------	------	------	1.76	4.51	7.82	7.69	9.31	5.80	------
Iliamna	3.05	3.06	------	------	------	------	------	------	------	------	------	------	------
Juneau	5.16	13.39	7.95	5.44	3.24	1.43	4.10	6.86	10.46	8.66	11.71	13.13	97.53
Kake	2.84	4.98	2.88	2.54	1.78	0.18	0.62	6.42	6.59	3.28	4.91	7.67	44.69
Katalla	4.70	4.76	2.70	4.99	3.30	2.72	5.55	2.47	14.18	16.07	19.06	5.38	85.88
Kennecott	2.43	1.39	3.22	T.	0.55	0.55	1.18	0.80	4.43	1.10	3.24	0.49	19.38
Ketchikan	10.76	18.53	17.32	13.23	11.37	3.32	2.34	15.07	11.88	14.85	31.23	22.80	172.70

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
***Alaska*—Continued**													
Killisnoo	2.27	5.34	2.21	2.93	1.19	0.22	1.31	2.65	2.76	5.22	8.31	7.20	41.61
Kodiak (Radio Station)	1.11			3.43	3.36	5.00	1.00	2.36	3.51	10.62	6.64	1.81	
Kodiak (Experiment Station)	2.42	5.08	2.09	4.66	4.28	7.65	1.31	5.23	3.53	12.22	9.03	3.02	59.92
Latouche							0.83		29.61	21.60	10.65		
Matanuska	1.47	0.80	0.47	0.32	0.21	0.35	1.10	1.05	3.75	1.91	0.97	0.54	12.94
McKinley Park	0.69	0.74		0.17	3.40	3.98	1.21	1.21	0.82	0.04	0.24	0.01	
Nenana	0.78	0.66	0.54	0.03	0.91	1.76	0.00	0.95	0.80	T.	0.09	0.12	6.64
Nome	3.70	0.29	1.12	0.08	0.06	1.29	0.67	2.07	4.43	0.69	0.22	1.58	17.10
Noorvik	1.36	0.27	0.71	0.50	1.77	1.33	0.31	1.42	3.62	1.01	0.23	0.52	13.05
Nulato	2.90	0.99	1.17	0.05	1.60	1.73	1.54	1.01	2.17	0.83	0.30	0.81	15.10
Paxson	0.63	0.64		0.44	0.16	1.96	2.30	1.38		0.30	0.56	0.19	
Pilot Station							1.20	1.98	3.37	1.96	0.36	1.05	
Rampart	1.40	1.26	0.60	0.14	0.58	1.11	1.16	0.48	1.79	0.07	0.54	0.20	9.33
St. Paul Island	2.30	0.61	1.33	0.83	0.89	2.66	1.91	3.96	3.66	1.92	2.02	3.23	25.32
Seldovia	3.21	3.95	3.61	1.00	0.16								
Seward	1.55	4.51	2.57	4.96	0.98	5.69	2.47	2.04	16.04	33.17	6.20	5.38	85.56
Shaktoolik	0.35	0.14	1.05								0.21	0.16	
Shismaref									1.68	0.36	0.65	0.15	
Sitka	6.40	13.31	11.17	4.71	3.05	1.19	2.28	5.28	15.17	9.19	13.99	16.10	101.84
Skagway	0.46	2.89	2.73	2.16	1.08	1.13	2.51	1.38	8.21	5.00	8.16	4.02	39.73
Speel River	10.17	16.35	15.09	8.03	4.92	1.67	3.71	9.73	28.13	14.87	22.59	18.10	153.36
Strawberry Point				1.89	2.19	1.14	1.61	3.28	9.35	4.17	8.89	6.92	
Talkeetna	2.40	0.68	3.08	0.13	0.89	1.18	3.59	1.68	8.62	2.03	0.65	0.23	25.16
Tanana	0.75	0.92	1.28	0.34	1.08	1.25	1.95	0.44	3.48	0.09	0.13	0.21	11.92
Tunnel	3.13	4.75	2.58	7.60	1.66	1.12		1.20	4.98				
Valdez	3.39	5.37	2.53	2.75	0.33	2.25	3.25	2.00	18.60	13.61	8.01	2.77	64.86
White Mountain	1.85	0.83	1.13	0.32	0.58	1.97	0.07	2.97	5.69	1.04	0.60	0.79	17.84
Whale Island									3.05	18.55	9.31	2.92	
Wrangell	4.28	12.88	10.56	7.31	3.04								
Yakutat	8.51	13.38	11.35	8.68	5.22	1.44	3.43	6.33	22.65	18.20	24.85	13.68	137.72
Arizona													
Ajo	0.40	0.71	0.20	0.15	0.00	0.00	4.49	1.01	0.92	0.30	3.51	2.11	13.80
Alamo Ranger Station	0.54	1.44	1.54	0.27	0.00	0.00	1.90	2.90	0.69		1.59	3.26	
Alpine											2.02	5.20	
Apache Powder Co										0.03	2.22	1.98	
Ashdale Ranger Station	1.70	1.60	5.10			0.00	1.50	3.79	0.20	0.25	4.72	9.13	
Ashfork	0.46	1.27	2.30	0.67	0.19	0.04	0.96	2.62	0.90	0.00	0.22	2.12	11.75
Baboquivari	0.09	1.02	0.61	0.11	0.00	0.00	3.30	5.01	0.86	T.	5.55	2.15	18.70
Benson	T.	0.05	0.50	0.10	0.00	0.00	5.22	3.52	0.63	0.00	1.75	1.60	13.37
Big Springs Ranger Station						0.28	2.34	3.15	1.88	0.75	0.69	1.61	
Bisbee	0.05	1.64	0.83	1.43	0.00	0.04	4.40	3.92	2.77	0.19	2.81	6.34	24.42
Bisbee Junction					0.00	0.00	3.38	4.88	0.02	0.00	2.22		
Blue	0.38	1.17	1.06	0.75	0.11	0.00	3.40	7.53	4.44	0.84	2.54	3.56	25.78
Bly Ranger Station						T.	3.62	6.93	3.94	4.40	1.30	3.40	
Bowie	0.12	0.09	0.01	0.02	0.00	0.01	1.10	1.98	0.28	0.06	0.85	0.99	5.51
Buckeye	0.34	0.36	0.91	0.07	0.27	0.00	0.69	0.63	0.64	0.03	3.42	2.87	10.23
Canille					0.00	0.10	6.94	5.32	1.42	T.	3.04	1.99	
Canon	0.87	1.10	3.58	0.00	0.35			2.24	1.17	2.71	4.97		
Casa Grande	0.73	0.43	1.20	0.10	0.05								
Cedar Glade	1.00	0.83	1.85	0.41	T.	0.00	1.28	2.60	3.47	0.54		3.84	
Chandler	0.40	0.25	0.84	0.23	0.15	T.	2.75	1.62	T.	0.30	2.49	2.70	11.73
Childs	1.47	1.15	3.25	0.34	0.31	0.00	0.46	3.13	1.51	0.59		5.25	
Chin Lee	0.47	0.32	0.07	0.46	0.58	T.	1.16	2.57	3.13	0.80	1.30	1.36	12.22
Clemenceau	0.58	0.56	0.74	0.30	0.04	0.00	0.74	0.93	2.55	0.00	2.44	1.50	10.38
Clifton	0.03	0.89	0.41	T.	0.10	0.00	2.20	4.30	0.95	0.69	1.73	3.09	14.39
Cochise	0.04	0.68	0.45	0.39	0.01	0.06	4.26	3.29	0.84	0.13	1.43	1.56	13.14
Cochise Stronghold							6.75	4.48	1.02	0.16	2.23	3.47	
Constellation	1.08	0.78	1.65	0.06	0.02	0.03	1.19	5.26	4.04	0.86	1.88	5.22	22.07
Continental	0.10	0.54	0.31	0.20	0.00	0.00	2.72	6.00	0.43	0.00	4.28	2.31	16.89
Cooley						0.00	3.01	7.15	3.99	0.81			
Cosnino	1.29	1.70	0.80	0.20	0.18	0.00	4.87	2.30	7.47	T.	2.16	4.00	25.87
Crown King	1.90	6.70	4.55	0.00		0.02	4.39	5.97	5.80	1.00		9.00	
Douglas	0.05	0.92	0.01	0.40	0.00	0.10	2.88	2.15	0.57	0.15	2.32	2.43	11.98
Dudleyville	0.26	0.98	T.	0.68	0.08	0.00	3.78	7.15	1.29	T.	2.24	4.32	20.78
Elgin (near)	0.16	0.87	0.35	0.24	0.00	0.36	5.52	7.20	0.65	0.00	2.40	2.39	20.34
Fairbank	T.	0.74	0.20	0.12	0.00	T.	4.76	2.52	1.19	0.00	1.20	1.71	12.44
Flagstaff	2.39	1.80	1.59	1.09	0.32	T.	1.08	1.86	3.37	1.32	2.36	3.39	21.07
Florence			0.64	0.16	0.00	0.00	0.57	1.41	0.00	0.02	1.76	2.66	
Fort Apache	0.84	1.54	1.06	0.44	0.16	0.00	2.96	5.94	3.02	0.77	1.77	2.19	20.99
Fort Grant						0.01	3.23	5.19	0.61	0.23	1.87		
Fort Valley	2.59	2.30	2.35	0.93	0.33	0.00	4.03	2.70	4.49	0.32	2.66	4.39	27.09
Gila Bend	0.30	0.10	0.70	0.00			1.08	0.33	0.10	1.20	2.22	1.12	
Gisela	2.18	0.67	2.24	0.76	0.35	0.00	1.09	3.40	0.58	0.98	3.04	3.12	18.41
Globe	0.61	1.83	1.23	0.02	0.45	0.00	4.15	3.62	0.57	0.70	1.96	4.36	19.50
Goodyear	0.20	0.85	0.58	0.15	0.12	0.00	3.66	0.68	0.10	T.	1.72	2.56	10.62
Gould's Ranch	0.15					0.00	2.22	1.48	0.39	0.37	3.72	2.00	
Grand Canyon	1.07	1.97	1.84	1.46	0.60	T.	2.06	3.57	1.56	0.36	0.78	3.35	18.62
Granite Reef Dam	0.27	1.10	0.92	0.18	0.18	0.00	1.58	1.52	1.64	0.07	2.36	2.63	11.85
Greer	1.41	3.04	1.93	0.60	0.40	0.11	4.63		2.57	0.82	1.41	3.26	
Helvetia				0.66	0.00	T.	7.84	6.36					
Henry's Camp	0.41	2.92	1.95	1.18	0.55	T.	5.98	8.00	6.11	1.55	1.49	5.60	35.74
Hereford	T.	0.30	0.45	0.10	0.00	0.35	4.87	5.33	0.55	0.00	1.00	1.45	14.40
Holbrook				0.31	0.40	0.00	2.13	2.39	3.51	0.72	2.02	0.68	
Indian Oasis	0.11	0.93	0.43	0.00	0.00	0.00	2.10	3.06	0.20	0.00	3.87	1.65	12.35
Intake	0.47	1.03	0.62	0.00	0.12	0.00	1.75	2.41	1.19	0.56	1.83	3.28	13.26
Jerome	1.85	0.30	1.20	0.80	0.19	T.	3.05	4.64	3.47	0.34	1.95	2.68	20.47
Kayenta	0.30	0.65	1.33	0.34	0.71	0.00	0.84	2.40	0.94	0.16	1.72	1.12	10.51
Kingman	1.39	0.48	0.50	0.96	0.00	0.00	0.31	0.37	0.97	0.03	2.32	1.96	9.29
Lakeside	1.06	3.23	2.02	0.91	0.33	0.00	3.66		3.83	1.55	2.33	4.50	
Lee's Ferry	0.27	0.36	0.22	1.04	0.27	0.00	0.70	2.30	0.74	0.02	0.87	0.12	6.91
Leslie Canyon	0.04	0.57	0.27	0.95	T.	0.20	3.04	3.87	1.30	T.	1.87	1.82	13.93
Lewis Springs	0.00	0.76	0.00	0.05	0.00	0.00	2.99	1.65	0.20	T.	1.82	1.71	9.18
Litchton [1]	0.25	0.65	1.04	0.02	0.22	0.00	1.02	1.01	0.26	0.02	4.91	3.37	12.77

[1] Name changed from Avondale.

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Arizona—Continued													
Long Valley					0.50	T.	5.90	4.94	4.70				
Maricopa	0.37	0.50	0.53	0.29	0.28	0.00	2.38	1.10	0.30	0.28	2.33	2.14	10.50
Marinette	0.15	0.26	1.36	0.00	0.10	0.00	0.65	1.96	0.20	0.07	3.57	3.11	11.43
Mesa Experiment Farm	0.23	0.94	0.67	0.13	0.08	0.00	2.00	0.70	0.46	0.24	2.12	2.39	9.96
Miami	1.76	0.99	1.67	0.15	0.65	0.00	2.69	4.30	0.85	0.83	2.31	4.72	20.92
Moccasin	1.34	0.72	0.21	1.14	0.02	0.05							
Mohawk	0.00	0.00	0.17	0.01	0.00	0.00	0.32	0.10	0.35	0.55	0.15	2.99	4.70
Mormon Flats								1.14	1.24	0.17	1.63	3.67	
Mormon Lake Ranger Station					0.32	0.00	2.75	4.19	9.44	0.13			
Mount Harqua Hala	1.04	0.86	1.41	0.63	0.05	0.00	4.68	1.95	2.05	0.00	1.12	6.34	20.13
Naco	T.	0.85	0.15	0.65	0.60	0.00	3.17	2.70	0.55	0.00	2.83	3.80	14.70
Nadaburg												4.04	
Natural Bridge	1.60	2.45	4.12	0.83	0.35	T.	2.56	4.83	1.55	0.78	4.24	6.78	30.09
Nogales	0.21	0.90	0.78	0.00	0.00	0.00	4.15	2.57	0.71	0.00	4.59	1.96	15.87
Oracle				1.65	0.60	0.00	4.29	5.73	1.00	0.07	2.75	8.50	
Paradise	0.44	1.86	0.75	0.39	0.85	0.05	5.24	6.58	2.66	0.05	1.93	5.77	26.57
Parker	0.32	0.19	0.04	0.37	0.61	0.00	0.30	0.23	0.25	0.03	0.20	1.73	3.67
Patagonia	0.26	0.42	1.00	0.11	0.00	T.	7.15	6.13	0.81	T.	3.47	2.97	22.32
Payson	2.21	1.37	3.23	0.85	0.27	0.00	2.38	1.99	1.70	1.35	3.78	4.76	23.89
Phoenix	0.28	0.46	1.08	0.05	0.08	0.00	0.77	0.65	0.97	0.22	2.84	2.23	9.63
Pinal Ranch	0.97	2.60	2.42	0.16	0.67	0.00	3.38	5.89	1.87	0.22	3.70	9.41	31.29
Pinedale	0.98	2.19	1.33	0.78	0.50	0.00	2.71	5.38	5.04	1.75	2.70	4.06	27.42
Pinto	0.69	1.03	0.56	0.47	0.80	0.15							
Portal	0.31	2.06	0.22	0.10	0.18	0.05	3.61	5.30	2.98	0.08	5.31	4.74	24.94
Prescott	1.94	0.83	1.89	0.37	0.11	T.	3.28	4.35	3.36	0.30	2.15	5.42	24.00
Prescott Dry Farm	1.04	0.57	1.57	0.13	0.12	0.08	2.50	3.01	1.86	0.11	1.52	2.24	14.69
Quartzite		0.31	0.23	0.55	0.00	0.00	0.74	1.17	0.30	0.00	1.57	1.16	
Redrock	0.40	0.35	0.35	0.00	0.00	0.00	2.60	4.04	0.00	0.00	3.29	1.33	12.36
Reno Ranger Station	0.63	1.95	1.32	0.09	T.	0.00	2.62	3.45	1.31	0.52	3.40	5.54	20.83
Rittenhouse Ranch	0.39	0.68	0.89	0.18						0.10		3.83	
Roosevelt	0.47	2.07	1.81	0.20	0.20	0.00	2.18	3.48	1.14	0.40	2.44	2.16	16.55
Rosemont	0.10	0.56	0.35	0.28	0.00	0.01	2.77	3.78	0.49	0.00	3.80	3.05	15.19
Rucker Canyon		1.31	0.68	1.58	0.00	0.07	7.37	5.04	3.35	0.08	2.08	3.56	
Ryan	1.63	2.23	1.53	1.88	0.62								
Sacaton	0.67	0.64	0.81	0.16	0.00	0.00	3.27	0.97	0.01	0.24	2.36	3.25	12.38
St. Johns	0.77	1.31	2.17	0.24	0.31	0.06	2.93	3.87	1.59	0.70	1.32	1.71	16.98
St. Michaels	0.18	0.14	0.12	0.73	0.00	0.00	2.91	4.24	3.01	1.57	1.85	1.24	15.99
Salome	0.58	0.59	0.50	0.31	T.	0.00	4.20	1.12	0.40	0.12	1.92	3.74	13.48
San Carlos	0.26	0.73	0.67	0.07	0.75	0.00	2.70	1.97	0.15	0.12	1.83	2.90	12.15
San Rafael Ranch							8.41	5.80	0.15	0.00	4.20	2.21	
San Simon	0.23	0.77	0.06	0.16	0.19	0.00	2.26	3.04	1.01	0.00	0.67	2.36	10.75
Santa Margarita	0.00	1.50				0.00	3.80	3.62	0.00	0.00	5.60	1.20	
Seligman	0.54	0.50	0.68	0.49	0.05	0.08	0.90	1.52	2.24	0.00	1.00	2.41	10.41
Show Low	0.77	3.05	0.95	0.35	0.42	0.00	2.13	4.98	4.38	2.17	2.30	2.61	24.11
Snowflake	0.50	1.22	0.20	0.34	0.21	0.00	3.43	3.05	3.77	1.86	2.51	0.98	18.07
Soldier Camp					0.24	0.00	7.73	6.64					
Springerville	0.38	1.20	0.93	0.39	0.45	0.05	3.76	5.67	3.07	0.73	2.10	1.87	20.60
Spring Valley Ranger Station		2.03	2.10	0.85	0.32	0.00	3.52	3.75	3.76	0.72	2.04	1.80	
Supai		0.52	0.04	0.16			T.	1.00				1.63	
Superior	1.40	1.11	1.46	0.30	0.49	0.00	1.62	2.86	1.30	0.02	2.50	6.02	19.18
Sycamore Ranger Station								3.35	1.72	0.01			
Tempe	0.38	0.55	0.88	0.21	0.05	0.00	2.27	0.95	0.60		1.79	3.03	
Thatcher	0.00	0.45	0.63	0.09	0.35	0.00	1.87	1.81	0.13	0.18	1.19	2.17	8.87
Tombstone	0.03	0.75	0.06	0.10	0.00	T.	3.62	4.26	2.65	T.	1.52	2.00	15.09
Tonto Ranger Station	2.05	0.50		0.40	0.06	0.13	4.36	3.89	1.88	T.	2.03	4.24	
Tuba City	0.68	0.22	0.08	1.05	0.30	0.00	1.92						
Tucson	0.30	0.36	0.84	0.45	0.06	0.00	3.07	4.73	0.28	0.00	3.55	2.45	16.09
University of Arizona	0.27	0.36	0.65	0.53	0.05	0.00	3.00	4.06	0.23	0.00	3.43	2.84	15.22
Ventana Ranch					0.02	0.00	2.49	2.24	0.75	0.00	2.86	2.45	
Walnut Creek Ranger Station	0.65	3.05	3.06	0.16	T.	0.19	5.23	4.84	2.08		0.07	2.90	
Walnut Grove	2.35	0.55	2.30	0.57	0.00	0.10	2.61	3.98	2.55	0.70	3.24	5.35	24.36
Waters Ranger Station						0.00	5.06	3.91	4.20	1.35			
Wellton		0.10	0.03	0.12	0.00	0.00	0.54	0.98	0.57	0.45	0.51		
Wickenburg	0.90	0.30	0.97	0.00	0.11	0.00	0.35	1.23	4.50	0.18	1.48	5.14	15.25
Willcox	0.00	0.46	0.07	0.02	0.27	T.	3.33	3.57	0.67	T.	1.79	1.93	12.11
Williams	1.41	2.13	2.17	2.49	0.36	T.	4.15	3.37	3.12	1.28	1.78	3.25	25.51
Winslow	0.11	0.57	0.21	0.48	0.48	0.00	4.81	2.49	3.10	0.44	2.39	2.09	17.17
Yaeger Canyon	1.20	0.58	0.40			0.00	2.50	3.62	2.15	0.10	2.02	3.65	
Young	1.17	1.41	1.98	0.28	0.46	0.00	4.95	4.27	1.81	1.10	3.44		
Yuma (Weather Bureau)	T.	0.03	0.06	0.16	0.00	0.00	0.28	0.29	1.54	0.00	0.27	1.28	3.91
Yuma (Citrus Station)	0.01	0.00	0.11	0.20	0.00	0.00	0.35	0.06	1.14	0.00	0.24	1.34	3.54
Yuma (Date Orchard)	T.	T.	0.00	0.20	0.00	0.00	0.14	0.10	0.79	0.00	0.12	1.33	2.68
Yuma (Evaporation Station)	T.	0.00	0.11	0.18	0.00	0.00	0.31			0.00	0.00	1.37	
Arkansas													
Amity	8.53	5.71	2.29	7.28				1.23					
Arkadelphia	6.35	5.65	3.79	5.95	7.80	2.60	2.80	2.05	7.20	1.33	2.90	6.55	54.97
Arkansas City	4.21	5.58	4.16	10.24	7.69	3.04	5.95	2.33	4.10	2.54	4.12	9.29	63.25
Arlberg	4.20	3.50	6.00	5.85	11.95	4.90	2.50	4.70	4.10	3.70	2.75	4.50	58.65
Batesville	4.22	3.95	5.98	6.24	11.09	3.52	2.60	6.99	4.67	3.59	3.00	6.03	61.97
Bee Branch	5.25	4.65	6.85	6.05	11.70	7.25	2.25	3.78	4.40	3.14	3.27	6.52	65.11
Bentonville	5.49	1.66	4.06	2.47	9.20	6.40	1.28	0.71	3.92	6.60	4.94	3.79	50.52
Black Rock	6.81	3.30	4.40	6.16	9.30	6.32	2.98	4.36	4.36	6.16	3.22	6.18	63.55
Booneville	1.75	2.95	4.13	4.69	10.73	4.25	1.06	3.30	4.95	3.53	3.16	5.18	49.68
Brinkley	6.75	7.71	6.66	9.57	8.59	6.43	2.77	3.77	8.85	4.14	3.77	5.90	74.91
Calico Rock	4.18	2.94	4.00	3.32	8.65	6.07	1.67	2.49	2.75	3.20	2.90	4.00	46.23
Camden	5.20	4.56	4.38	7.30	4.07	2.41	3.33	3.37	3.75	2.37	3.21	4.89	48.84
Center Point			4.56	6.18	9.67	3.05	1.80	1.46	6.55	2.75	3.26	7.40	
Clarendon	5.25	5.93	6.78	8.68	8.10	6.36	4.38	4.51	6.61	3.62	3.16	6.33	69.71
Clinton	3.70	3.41	6.36	5.25	10.38	6.01	0.96	4.44	2.69	2.32	2.71	5.42	53.65
Conway	5.84	5.16	4.48	8.25	11.36	3.56	6.85	1.40	2.80	2.37	3.36	5.55	60.98
Corning	6.88	2.95	5.34	5.29	9.20	4.82	3.63	2.50	4.46	5.64	3.50	4.28	58.49
Dam No. 1	7.08	5.13	8.01	9.11	11.10								
Danville	5.70	5.00	4.70	4.96	9.81	5.12	3.05	2.91	5.00	5.06	3.25	5.49	60.05
Dardanelle	3.97	4.83	5.03	6.27	8.72	5.10	3.52	1.87	5.11	3.52	3.35	4.96	56.25

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Arkansas—Continued													
Dodd City	4.47	3.66	3.93	4.34	8.16	5.85	2.20	2.93	4.05	3.56	1.44	4.17	48.76
Dumas	4.22	5.02	5.96	7.54	7.81	4.81	5.40	1.42	2.70	4.04	3.72	8.46	61.10
Dutton	6.93	3.11	5.31	6.87	8.54	5.55	2.76	1.66	0.62	3.62	4.45	5.61	65.03
El Dorado	3.70	6.51	4.70	9.75	5.27	5.17	2.36	4.16	3.09	2.96	3.37	8.28	59.32
England	6.23	7.07	6.41	10.06	5.72	5.61	6.24	1.97	3.54	1.83	3.38	7.64	65.70
Eureka Springs	5.96	2.83	3.85	2.88	8.23	4.38	3.36	0.28	6.07	5.19	4.86	5.15	55.04
Evening Shade	3.75	4.61	4.01			6.40	3.30	2.77	5.87	2.83	2.26	3.90	
Fayetteville	3.77	2.19	3.33	3.92	7.62	2.30	1.94	1.62	5.03	4.75	5.94	3.87	46.28
Fort Smith	3.62	1.77	2.12	4.12	8.87	3.72	3.41	0.29	4.54	3.13	3.96	4.26	43.81
Fulton	8.65	4.76	3.87	6.01	5.32	4.06	1.51	0.99	11.16	1.96	2.81	7.91	59.01
Georgetown	5.90	6.50	6.80	9.35	8.65	10.90	3.92	1.91	7.85	4.58	3.97	5.13	75.46
Grannis	7.59	8.21	4.63	6.46	9.21	3.31	4.60	4.45	9.56	2.63	4.50	8.54	73.69
Gravette	5.55	2.10	4.30	3.11	7.26	5.60	0.44	0.18	4.20	7.04	6.11	3.66	49.55
Harrison				1.87			0.33	1.62	5.40	1.80			
Heber Springs	6.53	5.25	6.83	7.45	9.97	6.76	1.37	7.68	4.85		2.98	5.52	
Helena	6.34	3.84	7.88	9.88	9.67	3.49	6.23	1.72	4.22	5.89	3.16	6.15	68.47
Higden	4.94	3.62	6.10	5.19	9.78	5.90	2.36	5.57	5.55	3.42	2.76	5.73	60.92
Hope	9.55	5.10	4.25	7.71	6.06	3.90	4.89	0.86	11.89	1.58	2.59	10.46	68.84
Hot Springs	7.91	7.30	4.64	7.81	14.26	2.41	7.10	1.30	4.83	1.56	3.37	5.56	68.05
Huttig	2.86	6.94	4.98	6.73	8.55	3.60	2.75	1.80	4.00	5.00	4.22	7.10	58.53
Jonesboro	6.32	3.78	5.80	4.52	5.76	6.61	2.32	2.99	5.22	5.17	3.64	7.05	59.18
Junction	2.61	6.47	4.96	8.43	6.21	9.80	1.61	5.13	3.55		2.23	6.67	
Lincoln	4.90	1.74	3.71	4.02									
Lambrook							7.57	2.40	3.48	5.77	3.27	6.10	
Little Rock	7.42	6.42	5.00	7.69	10.50	1.80	7.86	2.55	3.93	1.00	2.59	4.70	61.46
Lutherville	3.01	2.87	4.84	4.79	7.83	3.36	5.37	0.86	6.63	2.95	3.66	5.95	52.12
Magnolia	3.90	3.68	3.32	7.87	3.55	3.71	4.70	2.00	5.40	2.50	1.80	11.80	54.23
Malvern		7.71	5.38	7.30	8.87	3.26	2.26	0.96	3.45	0.90	3.29	5.94	
Mammoth Spring	5.82	2.85	5.86	6.28	7.75	5.88	2.90	2.55	2.72	3.59	2.01	4.45	52.66
Marianna	4.62	4.82	5.33	9.21	8.17	4.46	3.41	3.39	4.64	3.65	2.60	3.79	58.09
Marked Tree	7.37	5.21	8.08	7.06	9.16	8.54	3.81	3.62	9.66	4.29	3.52	7.01	77.33
Marshall	3.30	2.28	3.77	4.70	8.52	12.14	2.76	3.10	4.08	2.51	3.32	4.08	54.56
Mena	3.96	5.02	5.77	4.97	7.57	8.53	2.15	T.	13.91	6.25	3.68	4.96	66.77
Morrillton	6.62	5.57	5.17	7.25	7.57	6.06	6.25	0.93	3.62	2.14		4.98	
Mountain Home		2.08	4.26	3.53	8.73	4.21	3.92	1.33	3.08	4.21	2.06	3.38	
Mount Ida	6.58	5.26	4.20	5.93	9.70	5.02	4.23	1.06	5.81	2.49	3.46	5.95	59.72
Murfreesboro	9.55	7.38	4.52		8.98	2.91	2.31	5.62	7.43	3.08	4.33	8.49	
Nail	6.67	2.45	5.10	5.13	8.87	4.38	3.55	2.23	6.02	3.30	3.90	5.18	56.78
Newport	7.47	4.40	6.31	4.99	8.92	8.47	4.89	2.88	4.53	5.12	4.01	7.65	69.64
Okay					7.85	5.92							
Osceola	7.66	4.54	4.21	6.97	6.68	4.70	4.37	2.29	8.28	3.27	3.79	7.70	64.49
Ozark	3.80	3.07	4.22	3.74	7.99	3.85	2.86	0.78	6.88	3.90	4.16	4.05	49.30
Patterson	6.53	6.12	10.55	9.11	10.13	11.48	6.81	3.82	5.38	4.72	4.00	3.41	82.06
Pindall	5.22	1.96	4.11	3.89	7.52	6.68	3.17	4.80	4.70	3.46	3.11	3.41	52.03
Pine Bluff	8.04	5.30	4.78	9.13	7.28	4.24	3.41	2.04	5.22	2.47	3.16	9.11	64.18
Pocahontas	7.55	3.10	5.40	5.53	9.79	6.91	4.30	3.30	3.33	5.40	3.15	5.53	63.29
Portland	3.34	5.67	5.76	5.67	6.68	4.80	1.94	2.71	3.03	3.90	4.90	10.32	58.72
Prescott	7.40	5.68	3.54	6.96	8.79	2.70	4.01	2.72	8.10	1.53	2.66	8.89	62.98
Princeton	7.87	5.89	4.13	4.72	6.30	1.50	5.55	1.75	4.36	0.95	3.88	0.78	56.68
Rison	7.78	5.60	4.30	6.97	4.54	5.21	6.10	1.72	5.85	1.84	3.79	5.30	62.00
Rogers	4.35	2.33	2.82	2.61	7.61	6.51	1.68	2.05	4.72	6.10	3.58	4.10	48.40
Searcy	7.30	5.40						1.92	3.20	1.50	1.00		
Snow Lake	4.11	4.46			7.20	5.47	5.76	1.20	5.88	3.89	4.67		
Springbank	6.33	4.71	4.49	6.31	5.29	3.74	2.64	1.69	5.37	4.04	3.79	11.13	59.53
Stuttgart	6.64	4.69	4.94	8.55	6.67	4.27	5.54	3.28	6.23	2.58	2.68	6.20	62.27
Subiaco	3.01	5.50	4.62	4.49	7.36	4.55	2.46	1.36	5.76	2.97	3.48	5.33	50.89
Texarkana	9.71	5.08	4.23	5.15	4.23	6.18	2.89	2.26	7.27	4.00	2.25	7.37	60.62
Waldron	5.20	5.73	4.10	5.00	11.17	4.52	1.61	0.94	7.90	7.31	2.49	8.42	64.42
Warren	3.50	4.20	4.49	9.81	8.35	2.95	2.25	4.10	4.50				
Whitecliffs	9.15	7.20	4.70	8.67	5.48	2.85	3.41	2.15	7.50	3.15	0.65	7.89	62.80
Wynne	5.96	5.57	7.60	7.62	7.43	10.99	4.99	1.72	9.65	3.81	2.88	6.75	74.97
California													
Abbotts	3.44	1.02	0.31	3.47	0.00	0.16	0.00	0.00	0.64	0.14	0.19	0.51	9.88
Acton	2.36								0.35	0.62	0.04	0.84	
Aguanga	2.52	1.33	0.75	0.77	0.00	0.00	0.95	0.00	0.80	1.42	1.05	0.94	10.53
Altadena	2.52	1.05	1.30	3.06	0.14	0.31	T.	T.	0.88	0.89	0.01	0.48	10.64
Alder Creek		1.00	0.92	4.35					2.91	1.30	T.	0.35	
Amago	3.38	2.24	2.37	4.23	0.21	0.28	0.50	T.	0.61	1.12	1.68	3.78	20.40
Angiola	1.12	0.22	0.10	2.13	0.07	0.00	0.00	0.00	0.05	0.25	0.00	0.35	4.29
Antelope Valley	1.50	0.55	T.	1.53	0.00	0.17	0.00	0.01	0.12	0.36	0.12	0.39	4.75
Antioch	1.72	0.27	0.03	2.08	T.	0.00	0.00	0.02	0.42	0.20	0.75	0.99	6.48
Arrowhead Springs	3.24	1.45	1.31	3.72	0.00	0.05	0.00	T.	0.12	0.43	0.91	2.97	14.23
Arroyo Seco	3.35	1.24	1.71	4.24	0.12	0.12	0.00	0.00	0.63	0.38	0.38	0.83	13.00
Atascadero	3.43	0.91	0.09	2.59	0.00	0.19	0.00	0.00	0.17	0.10	0.27	0.28	8.09
Auberry	1.30	1.20	0.68	6.46	0.00	0.00	0.00	0.00	1.96	1.09	0.65	0.69	14.03
Auburn	5.75	1.67	0.54	7.30	0.29	0.39	0.00	0.02	2.02	1.19	0.20	2.29	21.66
Avalon	1.12	1.96	0.25	1.29	0.00	0.00	0.02	0.00	0.00	0.05	0.37	0.41	5.47
Bagdad	0.00	0.00	0.00	0.17	0.00	0.00	0.00	1.97	0.00	0.00	0.54	0.00	2.68
Bakersfield	1.23	0.27	0.12	2.07	0.00	T.	0.00	T.	0.16	0.38	0.01	0.46	4.70
Banning	2.98	1.14	0.48	3.55				0.00	0.24	0.25	1.52	2.22	
Barlow Sanitarium	1.96	0.84	0.73	2.32	0.00	0.00	0.00	0.00	0.22	0.01	0.09	0.31	6.51
Barrett Dam	2.17	2.37	1.76	1.64	0.00	0.03	0.12	0.10	0.25	0.42	0.92	3.00	12.87
Beaumont	3.49	1.50	0.61	3.17	0.10	0.00	0.00	0.00	0.38	0.59	1.19	2.71	13.74
Beaumont (near)	4.16	1.46	1.05	3.95	0.18	0.00	0.00	0.00	1.74	0.20	1.74	3.15	17.63
Belotta	3.50	1.48	0.13	5.69	0.34	T.	T.	T.	1.20	0.25	1.22	1.60	15.41
Benson's Ferry	2.58	0.53	T.	3.62	0.00	0.15	0.00	0.00	0.47	0.60	0.62	1.19	9.76
Berkeley	3.42	0.94	0.03	3.40	0.03	0.30	0.00	0.03	0.39	0.74	0.59	2.04	11.91
Betteravia	1.87	1.39	0.09	4.66	0.00	0.07	0.00	0.00	0.18	0.10	0.10	0.54	9.00
Big Bar	4.51	1.80	0.23	3.36	0.37	2.23	0.01	0.34	2.00	2.35			
Big Sur	5.24	1.27	0.19	8.88	0.00	0.52	0.00	0.00	0.89	0.25	1.19	2.41	20.84
Bishop Creek	1.54	0.10	0.10	2.53	1.10	0.57	1.00	1.42	1.27	0.69	0.32	0.37	11.01
Blue Canyon	9.09	2.28	0.71	10.04	0.91	1.60	0.00	0.00	3.18	2.11	0.46	4.22	34.60
Blythe	0.12	T.	0.06	0.27	0.00	0.00	0.21	0.10	T.	T.	1.73	1.66	4.15
Bonita	1.55	2.03	0.90	1.09	T.	T.	T.	0.00	0.06	0.37	0.34	2.39	8.73

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
California—Continued													
Branscomb	8.11	2.28	0.37	10.61	0.58	1.51	0.00	T.	2.21	3.10	4.40	7.77	40.94
Brawley	0.10	0.28	0.40	0.02	0.00	0.00	0.02	0.00	T.	0.00	0.65	1.24	2.71
Brooks	1.79	0.59	0.00	2.97	0.00	0.00	0.00	T.	1.01	0.21	0.27	1.17	8.01
Bryant Ranch	1.59	1.02	0.63	2.49	0.00	0.00	T.	0.00	0.54	0.32	0.49		
Burkhart Ranch	1.36	0.47	0.75	0.97	0.00	0.00	0.06	0.02	0.55	0.65	0.43	0.79	6.05
Cajon Ranger Station	3.30	1.45	0.23	1.84	0.02	0.00	0.00	0.00	2.95	0.30	1.54	2.23	13.86
Calexico	0.09	0.10	0.40	0.20	0.00	0.00	0.02	0.02	0.59	0.02	1.29	0.78	3.51
Camp Baldy	4.02	2.13	1.07	4.29	0.00	0.00	0.05	0.57	0.67	0.32	2.17	1.41	16.70
Campbell	2.36	1.67	0.60	1.02	T.	0.24	0.00	T.	0.52	0.21	0.18	0.67	8.37
Campo	1.40	1.96	1.68	1.93	0.00	0.15	1.35	0.62	1.60	1.01	0.05	3.29	15.04
Camptonville (near)	8.10	2.47	0.46	10.14	1.23	2.92	0.06	0.07	3.54	1.44	1.13	5.06	36.62
Canyon Dam	4.15	1.36	0.82	3.46	0.35	1.43	0.00	0.26	2.21	0.89	0.50	1.31	16.68
Cascada	6.62	0.37	0.74	6.86	0.65	0.47	0.00	T.	2.64	1.59	1.14	1.22	22.30
Cedarville	1.09	0.44	0.16	0.78	0.92	2.50	0.05	0.10	0.48	1.45	0.44	1.61	10.02
Centerville Powerhouse	5.49	1.25	0.06	6.27	0.75	1.82	0.00	0.01	2.32	0.91	0.68	2.13	22.69
Chester	3.95	0.78	0.27	2.83	0.32	1.17	0.08	0.43	2.06	0.71	0.72	1.79	15.11
Chico	3.25	1.62	T.	4.09	0.62	0.84	0.00	0.01	1.69	0.53	0.67	1.76	15.08
China Flat	5.35	1.69	0.45	3.77	1.18	1.86	0.00	T.	2.17	2.97	2.37	5.54	27.35
Chula Vista	1.22	1.91	0.65	1.04	0.00	0.03	T.	0.01	0.19	0.46	0.46	1.50	7.47
Churn Creek	3.80	0.95	0.25	5.51	0.61	1.50	0.00	0.11	3.50	1.67	0.49	1.03	19.42
Claremont	2.41	1.03	0.49	2.93	0.08	0.00	0.04	0.00	0.16	0.24	1.23	1.45	10.46
Clear Lake Park					0.27	0.13	0.00	0.11					
Cliff Camp								0.01	3.16	1.43	0.89	1.78	
Cloverdale	2.63	1.18	0.08	4.83	0.08	0.37	0.00	T.	2.21	0.56	0.85	2.05	14.84
Clovis (near)	2.57	0.59	0.00	5.73	0.16	0.00	0.00	0.00	0.66	0.17	0.05		
Coalinga	0.60	0.50	0.05	1.10	T.	0.08	0.00	T.	0.08	0.14	0.01	0.32	2.88
Colfax	6.35	1.84	1.68	8.70	0.16	T.	T.	T.	2.11	1.27	0.84	2.69	25.64
Colgate	4.31	1.37	0.11	6.27	0.33	2.35	0.02	0.01	1.83	1.08	0.80	3.04	21.52
Colusa	1.38	0.66	0.01	2.56	0.17	0.12	0.00	0.00	1.00	0.52	0.49	0.77	7.68
Corona	2.07	2.05	0.60	1.57	0.00	0.00	0.08	0.00	0.20	1.27	1.20	2.22	11.26
Covina	2.63	0.99	0.01	3.84	0.06	0.06	0.02	0.00	0.29	0.22	0.65	1.60	10.97
Crescent City	12.46	2.10	2.24	7.10	4.12	1.13	0.00	0.54	1.86	4.38	3.64	7.99	47.56
Crockett	2.31	0.53	0.30	2.10	0.02	0.07	0.00	0.04	0.80	0.41	0.26	0.77	7.61
Cuyamaca	6.00	5.97	3.24	5.22	0.00	0.00	0.48	0.00	1.00	1.78	1.50	5.29	30.48
Davis	2.62	0.70	T.	2.22	0.10	0.00	0.00	T.	0.35	0.40	0.53	0.88	7.80
Decker's Ranch	5.54	3.32	0.69	5.38	0.00	0.00	0.06	0.48	1.87	1.62	2.17	4.69	25.82
Deer Creek	8.10	4.23	0.93	9.22	0.91	1.36	0.00	T.	3.19	2.47	1.36	5.26	37.03
Del Monte	2.88	0.99	0.02	1.87	0.00	0.00	0.00	0.00	0.38	0.00	0.04	1.53	7.71
Denair	1.87	0.74	0.01	3.23	0.02	0.00	0.00	0.00	0.23	0.47	0.77	1.04	8.34
De Sabla	7.44	2.21	0.75	7.67	1.09	2.08	0.00	0.06	2.78	2.24	1.07	2.26	29.65
Devore Ranch	4.14	2.04	0.68	4.76	0.00	0.00	0.00	0.00	0.85	0.72	1.82	2.02	17.03
Dinkey Meadow	8.91	1.47	0.68	7.93	0.60	1.40	T.	0.02	3.04	1.26	0.93	1.85	28.00
Dinuba	1.93	0.91	0.17	4.10	0.10	0.09	0.00	0.00	0.64	0.26	0.00	0.24	8.35
Dobbins (near)	4.25	1.28	0.28	6.56	0.39	2.67	0.02	0.03	1.90	1.18	0.93	3.46	22.95
Dobie Ranch	0.47	0.00	0.46	0.55	0.00	0.00	0.06	0.12	0.73	0.62	1.27	0.15	4.43
Downieville	8.58	3.18	0.75	8.24	1.15	2.97	0.00	0.22	3.80	1.37	0.86	3.79	34.91
Dry Canyon Reservoir	1.84	0.39	0.40	2.56	0.00	0.00	0.00	0.00	0.39	1.24		0.12	
Dudley	0.97	0.24	0.02	0.75	0.02	T.	0.00	T.	0.06	0.24	T.	0.30	2.60
Dudleys	7.27	1.29	0.24	8.79	1.66	0.27	0.00	T.	2.05	1.08	0.63	2.26	25.54
East Park	1.82	0.60	T.	3.15	0.21	0.07	0.00	0.03	2.59	0.19	0.59	0.74	9.99
Echo Mountain	2.95	1.45	1.30	3.88	0.00	0.20	0.00	0.00	0.53	1.25	0.18	0.78	12.52
Edison	1.38	0.48	0.20	3.49	0.08	0.19	0.00	0.00	0.74	0.64	0.06	0.42	7.68
El Cajon	1.75	1.87	1.36	1.66	0.00	T.	0.04	0.05	0.09	0.43	0.43	1.79	9.47
Electra	6.41	1.41	0.11	7.72	0.57	0.14	0.00	0.00	2.30	1.15	0.19	2.86	22.86
Elsinore	1.47	1.55	0.22	0.88	0.00	0.00	T.	T.	0.04	0.20	0.67	1.56	6.59
Emigrant Gap	7.60	3.60	0.80	3.86	0.50	2.20	0.00	0.10	2.55	1.75	0.20	1.95	25.11
Escondido (No. 1)	2.13	1.77	1.32	1.63	T.	0.33	T.	0.00	0.11	0.60	0.47	2.08	10.44
Escondido (No. 2)	2.47	1.87	1.80	1.77	0.05	0.37	T.	0.00	0.06	0.72	0.35	2.23	11.69
Eureka	3.88	0.50	0.80	2.95	1.26	1.07	0.03	0.02	1.54	2.55	2.86	4.93	22.39
Fairmont	2.11	0.65	0.17	1.43	0.10	T.	0.00	0.00	0.38	0.11	0.44	T.	5.39
Firebaugh	0.88	0.28	0.03	1.42	0.27	T.	0.00	0.00	0.42	0.15	0.41	0.31	4.17
Folsom	3.77	0.81	0.06	5.40	0.18	0.13	0.00	T.	0.76	0.93	0.63	1.40	14.07
Fontana	2.49	1.29	0.37	2.03	0.00	0.00	0.02	0.00	0.07	1.06	0.96	2.17	10.46
Fordyce Dam	10.20	1.94	1.26	9.38	1.61	3.57	0.00	0.60	4.77	3.93	0.89	6.40	44.55
Fort Bidwell	1.10	0.50	0.20	1.36	1.02	2.14	0.12	0.12	0.74	1.31	1.17	1.74	11.52
Fort Bragg	3.85	1.53	0.88	4.40	0.85	0.82	0.00	0.23	1.49	1.96	2.26	2.94	21.21
Fort Ross	4.95	0.90	0.03	7.20	0.34	0.99	0.00	0.00	1.59	1.32	1.46	2.91	21.69
Fresno	1.10	0.74	0.06	3.93	0.20	T.	0.00	0.00	0.25	0.37	0.10	0.24	6.99
Friant	3.28	0.28	0.72	4.67	0.15	T.	T.	0.00	0.83	0.13	0.00	0.36	10.42
Georgetown	8.82	2.25	0.25										
Giant Forest	4.70	1.58	0.92	17.25	T.	4.75	0.00	0.00	3.50	1.07	0.36	1.89	36.02
Glacier Point						3.08	0.00	1.50	3.55	1.60			
Glennville	2.71	0.99	0.36	5.71	0.09	0.30	T.	T.	0.98	0.79	0.07	1.04	13.04
Grass Valley	6.31	2.46	1.26	9.53	0.58	1.72	0.17	0.00	2.40	1.36	1.76	3.84	31.45
Greenland Ranch	0.00	T.	T.	T.	0.00	0.00	0.00	T.	0.16	0.50	1.70	0.00	2.36
Haines Canyon	1.47	3.70	1.32	4.40	T.								
Haiwee					0.00	0.38	0.00	T.	0.61	0.00	0.78	0.12	
Hanford	1.07	0.70	0.12	2.43	0.14	0.01	0.00	0.00	0.25	0.22	0.04	0.22	5.20
Happy Camp	5.37	1.70	0.57	3.44	0.59	1.47	0.62	0.16	1.89	2.87	2.00	6.06	26.74
Hat Creek	2.36	0.32	0.03	2.04	1.18	3.29	0.17	0.30	1.70	1.16	0.37	1.46	14.38
Hayfork	2.28	0.87	0.07	3.34	0.21	1.90	0.00	T.	1.80	1.57	1.31	2.53	15.88
Hayward	2.97	0.71	0.02	3.64	0.10	0.26	0.00	T.	0.95	0.35	0.46	1.39	10.85
Head Dam	3.67	2.45	0.17	8.11	0.69	2.98	0.02	0.00	2.66	1.33	1.33	2.23	25.64
Healdsburg	3.92	1.39	0.00	5.05	0.07	0.28	0.00	0.08	1.41	0.27	0.41	2.44	15.32
Helm Creek								0.33	6.02	1.21	0.54	1.54	
Hetch Hetchy	4.62	0.75	0.70	8.16	0.97	1.48	0.00	0.00	2.33	1.20	0.61	2.10	22.98
Hobbler's Camp	6.80	0.75	0.68	4.34	0.68	0.65	0.01						
Hollister	2.25	0.73	0.39	1.97	0.01	0.01	0.00	0.00	0.60	0.30	0.23	0.52	7.01
Hot Springs	3.19	1.64	0.99	9.16	0.12	0.30	0.05	0.00	1.19		T.	0.99	
Hullville (near)	5.03	1.62	0.41	8.71	0.47	1.72	0.00	0.01	4.22	2.00	1.86	3.42	29.27
Huntington Lake	5.65	0.56	0.67	6.26	0.83	0.52	0.00	0.09	2.53	1.57	0.67	1.42	20.57
Hurley Flat	2.81		0.36	2.10	0.00	0.00	0.00	0.23	0.81	0.43	1.45	2.07	
Idria	3.20	0.70	0.48	2.39	0.02	0.50	0.00	T.				0.45	
Independence	0.09	0.02	0.00	0.29	0.20	T.	0.05	0.11	0.20	0.01	0.27	0.01	1.25
Indio	0.03	T.	0.01	0.00	0.00	0.00	0.01	0.21	0.03	T.	T.	0.19	0.48
Inskip	8.69	6.06	0.40	9.76	0.93	2.71	0.00	0.22	3.43	1.55	1.40	3.18	38.33

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
California—Continued													
Iron Forks	------	1.38	1.32	3.22	0.00	0.00	0.08	0.10	0.57	------	1.20	------	------
Jenny Lind	3.58	1.67	0.01	3.87	0.39	T.	0.00	0.00	1.45	0.86	0.64	1.17	13.64
Johnstone Ranch	2.25	0.79	0.50	1.50	0.00	0.00	0.00	0.00	0.00	1.17	0.00	2.31	8.52
Jolon	2.03	1.01	0.07	1.76	0.00	0.00	0.00	0.00	0.25	0.12	0.25	0.17	5.66
Julian	9.80	1.25	0.00	4.05	1.95	0.27	T.	0.00	0.88	0.22	1.57	4.26	24.25
Kennedy Mine	6.09	0.66	0.30	6.90	0.00	0.06	0.00	0.00	1.72	0.77	0.35	2.48	19.42
Kennett	4.44	1.62	0.13	9.54	0.55	2.55	T.	T.	3.83	2.11	0.31	2.22	27.30
Kentfield	3.35	1.40	0.03	8.28	0.09	0.91	0.04	0.04	0.73	0.47	0.58	4.18	20.10
Kernville	0.69	0.47	0.00	1.68	0.00	0.00	0.00	0.00	0.31	0.27	0.04	0.06	3.52
King City	1.26	0.64	0.00	1.01	0.00	T.	0.00	0.00	0.25	0.00	0.32	0.30	3.78
Kings River, North Fork	7.89	1.48	0.54	7.05	0.60	1.22	T.	------	------	------	------	------	------
Knights Landing	3.60	0.62	T.	2.34	0.21	0.08	T.	T.	0.57	0.45	0.44	0.90	9.21
La Crescenta	2.43	1.44	1.60	3.35	------	0.29	------	------	0.31	1.76	0.06	0.53	------
Lake Eleanor	7.93	1.66	0.57	7.11	2.69	1.10	0.00	0.00	2.53	1.30	0.83	2.72	28.44
Lakeport	3.35	1.05	0.15	4.39	0.16	0.01	0.00	T.	2.10	0.74	0.75	1.50	14.20
Lake Spaulding	10.19	3.84	1.14	11.45	0.35	2.82	T.	0.15	3.41	2.22	1.41	7.10	44.03
La Porte	5.91	2.40	0.65	7.73	1.18	2.62	0.00	0.09	3.91	2.57	0.81	5.34	32.31
Las Plumas	5.65	1.51	0.79	5.59	0.79	1.60	0.00	0.00	1.66	0.93	1.04	1.87	21.46
Lathrop	1.54	1.08	0.05	2.34	0.11	0.06	0.00	0.00	0.80	0.62	0.54	0.56	7.70
Le Grand	1.74	0.55	0.28	3.38	0.42	0.60	0.00	0.00	0.64	0.22	T.	0.81	8.04
Lemon Cove	1.72	0.86	0.09	4.43	0.12	0.00	0.00	0.00	0.61	0.39	0.00	0.35	8.57
Lick Observatory	4.75	1.97	0.17	4.61	0.08	0.45	0.00	0.00	0.73	0.49	0.56	1.51	15.32
Lindsay	1.24	0.47	0.22	3.02	0.05	T.	T.	0.00	0.12	0.05	0.30	0.20	5.66
Litchfield	1.21	0.16	0.00	0.82	0.44	0.72	0.00	0.39	1.01	0.66	0.09	0.38	5.88
Little Rock Creek	1.44	0.00	0.00	0.00	0.00	------	------	------	------	------	------	------	------
Live Oak Canyon	2.63	1.01	0.93	3.09	0.10	0.00	T.	0.00	0.24	2.01	0.00	1.12	11.13
Livermore	1.80	0.65	0.15	2.15	T.	0.02	0.00	T.	0.82	0.25	0.76	0.87	7.47
Llano	0.50	0.08	0.55	0.31	0.00	0.00	0.00	0.28	0.50	0.57	0.13	0.82	3.74
Long Beach	1.93	1.95	0.12	1.82	0.00	0.00	0.01	0.00	0.16	0.14	0.28	0.89	7.30
Los Alamos	2.00	1.20	0.36	3.60	0.00	0.05	0.00	0.00	0.15	0.05	0.18	0.36	8.01
Los Angeles	1.76	0.75	0.32	1.97	0.00	0.02	T.	T.	0.55	0.04	0.04	0.80	6.25
Los Gatos	4.41	2.12	0.07	3.49	0.02	0.10	0.00	T.	0.82	0.16	0.34	1.44	12.97
Lower Haines Canyon	1.29	2.65	1.46	2.76	T.	------	------	------	------	------	------	------	------
Lytle Creek	4.92	1.88	0.74	5.05	0.00	0.00	0.07	T.	0.68	0.93	0.97	1.78	17.02
McCloud	5.00	1.77	0.18	7.45	0.86	3.17	0.00	0.32	2.45	2.09	1.09	2.31	26.69
Madeline	2.10	0.40	0.53	0.64	1.14	2.31	0.51	0.62	1.17	1.36	------	------	------
Mariposa	0.97	0.13	0.27	0.83	0.00	0.11	T.	T.	0.04	0.76	T.	0.91	4.02
Mariposa	6.47	1.38	0.24	7.78	0.90	0.20	0.00	0.00	1.76	0.48	0.22	0.95	20.38
Markleeville	4.46	0.40	0.52	1.63	2.63	0.56	0.28	0.44	1.83	1.22	0.65	1.18	15.80
Marysville	2.76	0.57	0.25	3.27	0.39	0.40	0.00	0.00	0.58	0.63	0.84	1.16	10.85
May Canyon	2.76	1.11	0.51	3.20	0.00	T.	0.00	T.	0.69	0.98	0.10	0.86	10.21
Mecca	T.	T.	0.05	T.	0.00	0.00	0.02	1.85	T.	T.	0.25	0.82	2.99
Melones	4.46	0.95	0.36	6.32	0.06	0.00	0.00	0.00	2.33	0.42	0.14	1.72	16.76
Merced	1.60	0.46	0.13	3.70	0.09	0.00	0.00	0.00	0.64	0.21	0.25	0.67	7.75
Merced Falls	2.97	0.72	0.13	4.06	0.25	T.	0.00	0.00	1.30	0.00	0.09	0.59	10.11
Middlewater	0.74	0.20	0.02	0.58	0.00	0.00	0.00	0.02	T.	0.39	T.	0.76	2.71
Mill Creek (Amador County)	7.53	1.47	0.56	9.21	1.17	0.48	0.00	0.00	2.80	1.31	0.60	4.32	29.45
Mill Creek (San Bernardino County)	4.07	1.22	1.56	3.66	0.11	0.04	0.09	0.04	0.36	1.59	1.69	3.46	28.82
Milton (near)	4.25	1.31	0.13	4.97	0.44	0.00	0.00	0.00	1.45	0.98	0.67	2.00	16.20
Mokelumne Hill	5.97	0.98	0.13	6.98	0.67	0.14	T.	0.00	2.12	0.85	0.29	2.93	21.06
Monroeville	1.97	1.28	0.00	1.77	0.17	0.12	0.00	0.00	1.21	0.49	0.41	0.98	8.40
Monrovia Canyon	2.61	0.44	0.62	3.64	T.	0.01	T.	T.	0.45	0.24	0.40	0.81	9.22
Montague	1.16	0.30	0.09	0.69	0.31	1.36	0.20	0.10	1.71	1.32	0.17	1.18	8.59
Morongo Valley	------	------	------	------	------	------	------	0.33	------	0.18	0.88	------	------
Mountain Springs	1.85	1.00	0.50	4.40	0.00	0.00	0.00	0.15	0.00	1.65	0.75	1.00	11.30
Mount Tamalpais	3.71	0.24	0.25	3.58	0.27	------	------	------	------	------	------	------	------
Mount Wilson	3.33	1.39	1.50	3.40	0.00	0.18	0.02	T.	0.67	0.68	0.36	1.03	12.56
Mouth San Antonio Canyon	3.16	1.41	0.77	3.90	0.05	0.02	0.02	0.18	6.40	0.47	2.93	1.72	15.03
Napa	3.09	0.54	0.02	4.92	T.	T.	0.00	0.26	0.64	0.26	0.35	0.84	10.92
Needles	0.18	0.09	0.22	0.50	T.	T	1.11	0.14	1.31	0.02	1.87	2.54	7.98
Neenach	0.70	0.10	0.40	------	0.00	0.00	0.00	0.10	0.95	0.80	0.23	0.15	------
Nellie	6.75	4.42	5.72	------	------	------	------	------	------	------	------	------	------
Nevada City	5.99	1.85	0.26	8.73	0.44	1.26	0.27	0.01	2.61	1.46	1.07	3.35	27.30
Newman	1.69	0.52	0.00	1.50	0.08	0.00	0.00	0.00	0.33	0.22	0.00	0.28	4.12
Newport Harbor	1.17	1.41	0.59	1.18	0.00	0.00	T.	0.00	0.26	0.13	0.06	2.05	6.85
Nicolaus	2.44	0.44	0.21	3.38	0.13	0.24	0.00	T.	0.69	0.82	0.71	1.06	10.12
North Bloomfield	5.23	1.19	0.50	7.77	0.89	2.05	0.00	0.00	3.25	1.60	1.15	3.33	26.96
North Fork	6.76	1.42	0.77	7.10	0.51	0.51	0.00	T.	1.95	0.96	0.23	1.41	21.62
Oakdale (near)	2.37	0.82	T.	3.41	0.21	T.	0.00	0.00	0.55	0.50	0.63	1.27	9.76
Oakland	2.92	0.77	0.06	5.14	0.04	0.32	0.00	0.01	0.63	0.58	0.81	2.04	13.32
Ojai	2.33	0.84	0.07	3.34	0.00	0.00	0.00	T.	0.42	0.88	0.04	0.23	8.15
Opid Camp	5.38	2.27	1.48	2.44	0.00	0.00	T.	------	------	1.75	0.00	0.87	------
Orland	1.50	0.53	0.03	2.25	0.15	0.68	T.	T.	1.34	0.60	0.27	0.93	8.28
Orleans	6.58	1.47	0.92	3.74	1.45	1.84	T.	0.24	2.05	3.96	2.32	5.59	30.16
Oroville (near)	3.56	0.90	0.03	3.58	0.43	0.81	0.00	0.00	1.30	0.83	1.00	1.69	14.19
Oxnard	------	------	------	------	------	0.00	0.00	0.13	0.06	0.19	T.	0.43	------
Ozena	1.46	0.33	0.00	1.51	0.00	0.15	0.00	1.10	0.25	0.40	0.10	0.40	5.70
Pacoima	3.49	0.94	0.74	3.17	0.00	0.00	0.00	0.00	0.42	1.22	0.10	0.68	10.76
Palmdale	1.15	0.00	0.54	0.66	0.00	0.00	0.00	0.00	0.26	0.74	0.88	0.23	4.46
Palo Alto	1.65	0.67	0.18	1.92	T.	0.15	0.00	T.	1.24	0.28	0.16	0.81	7.06
Parkfield	2.20	0.86	0.11	2.46	0.00	0.41	0.00	0.00	0.35	0.34	0.14	0.48	7.35
Pasadena	2.08	0.92	0.58	2.52	0.00	0.04	0.00	0.00	0.54	0.63	0.11	0.65	8.07
Paso Robles (No. 1)	2.11	1.01	0.09	3.52	0.00	0.31	0.00	T.	0.29	0.26	0.18	0.22	7.99
Paso Robles (No. 2)	2.20	0.88	0.07	3.22	0.00	0.27	0.00	0.00	0.27	0.18	0.16	0.21	7.46
Pattiway	1.03	0.72	0.05	1.69	0.00	T.	0.00	T.	T.	0.60	1.05	0.64	5.87
Peachland	3.99	1.35	0.03	8.34	0.03	0.80	0.00	0.02	1.91	0.33	0.57	2.77	20.14
Petaluma	2.87	1.27	0.00	4.56	0.05	0.06	T.	0.17	1.00	0.22	0.76	1.10	12.06
Piedra	3.85	1.04	0.53	4.58	0.09	T.	T.	0.00	1.44	0.14	0.00	0.44	12.11
Placerville	7.70	2.45	0.23	7.37	0.73	0.13	T.	T.	2.07	2.11	0.51	4.27	27.57
Point Loma	1.20	2.06	0.78	0.90	0.00	0.17	0.03	0.00	0.08	0.25	0.03	0.92	6.42
Point Reyes	1.92	0.40	0.05	2.46	0.03	0.18	0.05	0.03	0.82	0.28	0.37	0.73	7.32
Pomona	2.40	0.66	0.71	3.34	0.05	T.	0.00	0.04	0.09	0.07	1.18	1.79	10.33
Porterville	1.24	0.36	0.32	2.79	0.04	0.01	T.	0.00	0.08	0.24	0.00	0.22	5.30
Portola	4.50	------	0.30	------	0.08	1.70	0.00	0.05	1.02	0.50	0.01	0.96	------

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
California—Continued													
Priest Valley	2.56	0.97	0.42	3.70	0.00	0.12	0.00	0.00	0.11	0.18	0.25	0.58	8.89
Quincy	4.84	1.10	0.27	4.08	0.36	1.85	1.08	1.20	3.01	2.60	0.62	1.58	22.59
Raywood Flat	3.29	4.10	1.90	3.65	T.	0.00	0.10	0.14	1.10	1.25	0.55	0.11	25.19
Red Bluff	1.80	0.72	0.09	3.47	0.33	2.06	0.00	0.00	3.13	0.71	0.57	0.64	13.52
Redding	4.08	1.05	0.81	5.45	0.64	1.88	0.01	0.15	3.33	1.70	0.65	1.78	21.53
Redlands	2.14	1.13	0.91	2.32	0.00	0.00	T.	0.03	0.24	0.26	1.97	2.54	11.54
Reedley	1.94	1.01	0.21	3.68	0.20	0.00							
Represa	3.82	0.64	0.35	5.31	0.55	0.15	0.00	T.	0.86	0.68	0.70	1.58	14.64
Rio Vista	2.61	0.52	0.00	4.25	0.00	0.00	0.00	T.			0.40	1.16	
Riverside	1.73	1.09	0.78	1.15	0.00	0.00	0.04	0.03	0.03	1.14	0.71	1.72	8.42
Rocklin	3.34	1.69	0.00	6.22	0.12	0.22	0.00	0.00	1.11	1.01	0.58	0.55	14.84
Rose Mine	0.33	0.31	0.21	0.90						1.00	1.20	1.91	
Ruth	3.75	0.95	0.32	7.29	0.89		0.00	0.00	2.77	3.00	2.62	5.15	
Sacramento	2.05	0.30	0.43	2.87	0.08	0.09	0.00	T.	0.50	0.58	0.62	0.94	8.46
St. Helena	3.60	1.28	0.05	5.09	0.08	0.32	0.00	0.05	1.52	0.40	0.67	1.58	14.64
St. John	2.22	1.13	0.00	2.63	0.44	1.18	0.00	T.	1.20	0.45	0.17	0.81	10.23
Salinas	2.82	0.98	0.32	2.30	0.05	0.08	0.00	0.00	0.84	0.23	0.40	0.93	8.75
San Antonio Canyon	3.68	1.39	0.90	4.51	0.62	0.01	0.02	0.56	0.45	1.78	0.96	0.78	15.15
San Antonio Intake	3.62	1.53	1.10	4.09	0.00	0.00	0.05	1.17	0.56	0.29	2.08	1.41	15.90
San Bernardino	1.58	1.09	0.50	1.86	0.01	0.00	0.00	0.02	0.13	0.34	0.96	1.84	8.63
San Diego	1.84	1.53	0.34	1.05	0.00	0.04	0.01	T.	0.03	0.37	0.16	1.65	6.52
San Fernando	2.37	0.52	0.37	2.12	0.00	0.00	0.00	0.00	0.73	0.77	0.03	1.15	8.06
San Francisco	2.84	0.77	0.03	3.92	0.06	0.06	0.00	0.01	0.44	0.46	0.49	1.91	10.99
San Gabriel Intake	3.54	0.92	1.25	3.57	0.00	0.00	0.03	0.00	0.32	0.64	1.03	0.73	12.03
San Gabriel Powerhouse	2.40		0.58	4.21	0.04	0.02	T.	0.00	0.31	0.46	0.05		
San Jacinto	2.65	0.86	1.30	1.60	0.00	0.00	0.00	0.00	0.15	0.44	1.24	1.92	10.16
San Jose	1.93	1.02	0.31	1.52	0.02	0.10	0.00	0.01	0.62	0.29	0.30	0.71	6.83
San Luis Obispo	4.51	1.36	0.38	4.57	0.01	0.04	0.00	0.00	0.70	0.16	0.32	0.73	12.78
San Pedro	1.52	2.16	0.70	1.36	0.00	0.00	T.	T.	0.32	0.23	0.90	0.24	7.43
Santa Ana	1.52	1.29	0.33	1.13	0.12	0.00	0.02	0.00	0.06	0.25	1.21	2.41	8.34
Santa Ana River	4.63	2.13	1.82	4.42	0.00	0.00	0.05	0.20	0.89	1.50	1.86	3.69	21.19
Santa Anita Ranger Station	3.28	1.44	1.15	4.20	0.03	0.16	0.00	0.00	0.28	0.63	1.32	1.47	13.96
Santa Barbara	1.96	0.91	T.	3.29	0.00	0.03	0.00	0.03	0.13	0.25	T.	0.08	6.68
Santa Clara	2.37	1.01	0.18	1.67	0.00	0.13	0.00	T.	0.84	0.26	0.30	0.68	7.44
Santa Cruz	4.45	1.85	0.00	6.60	0.00	0.60	0.00	0.00	0.65	0.25	0.50	2.35	17.25
Santa Maria	1.91	1.06	0.18	3.97	0.05	0.01	0.01	0.00	0.22	0.30	0.00	0.62	8.33
Santa Rosa	2.27	1.14	0.05	5.24	0.22	0.44	0.00	0.22	1.78	0.50	0.48	1.25	13.59
Scotts Bar	3.40					1.35	T.	0.51	2.30	2.85	1.04	2.90	
Seriterre	3.36	1.04	0.58	4.29	0.45	1.02	T.	T.	1.77	1.15	0.83	0.67	16.16
Seven Oaks	3.97	2.67	1.04	3.98	0.04	0.00	0.14	0.87	0.88	1.49	1.30	2.77	19.15
Shield's Ranch	2.15	0.30	0.10	2.03	3.26	1.26	T.	1.83	1.10	0.29	0.35	0.66	13.33
Sierra Madre (No. 1)	2.90	1.04	0.83	3.34	0.22	0.24	T.	0.00	0.73	0.96	0.03	1.40	11.69
Sierra Madre (No. 2)	3.54	0.87	0.63	8.56	0.03	0.11	T.	0.00	0.58	0.48	0.25	0.82	10.87
Sierraville	4.53	2.40	0.95	2.18	1.25	1.59	0.00	0.50	0.88	1.19	0.00	2.20	17.67
Sisson	3.50	1.40	0.10	4.40	1.20	2.45	T.	0.30	2.10	1.55	0.65	2.15	19.80
Sister Elsie Peak		1.25	1.10	3.91	T.	0.08	0.00						
Snow Creek	1.81	1.56	0.16	1.55	0.00	0.00	T.	0.08	0.38	0.14	0.46	1.35	7.49
Sonora	4.65	0.40	0.50	6.74	0.14	0.13	0.00	0.00	1.24	0.60	0.50	1.92	16.82
Spreckles	2.33	0.97	0.24	2.67	0.02	0.04	0.00	0.00	0.45	0.31	0.44	0.85	8.32
Springville (near)	4.00	1.19	0.68	10.35	0.53	0.63	0.00	0.00	2.32	1.54	0.47	1.68	23.39
Squirrel Inn	7.69	2.38	3.31	6.85	0.07	0.00	0.00	0.00	1.10	1.40	3.23	2.87	28.90
Stanley-Miller Mine	2.30	1.35	1.65	3.97	0.00	0.00	0.10	0.25	1.17	0.83	2.43	1.39	15.44
Steele Swamp				1.13	0.65	1.04	1.06	T.	1.75	1.59	0.29	0.54	
Sterling	0.08	0.00	0.31	0.12	0.00	0.00	0.02	0.02	T.	0.00	0.40	0.99	1.94
Stockton	2.04	0.84	0.03	3.53	0.09	0.25	0.00	0.00	0.65	0.42	0.78	0.80	9.43
Storey	1.72	0.53	0.05	2.98	0.38	0.20	0.00	0.00	0.52	0.18	0.00	0.68	7.24
Stratton Ranch	5.88	2.94		5.30	0.06	0.00	0.00	0.00	1.62	0.86	0.67	1.85	
Success			0.42	3.94	0.00	0.11	0.00						
Summit	10.40	3.70	1.60	4.80	0.46	0.80	0.00	0.30	1.66	1.20	0.40	5.20	30.42
Tahoe	5.79	1.50	0.79	4.41	0.74	1.25	0.05	0.98	1.75	1.69	0.64	2.65	22.24
Tamarack	10.24	3.02	1.38	6.64	2.25	0.75	0.17	0.98	3.93	1.80	0.84	5.63	37.63
Tejon Rancho	1.68	0.61	0.31	2.36	T.	T.	0.00	0.00	0.91	0.54	0.80	1.52	8.73
Three Rivers	1.82	0.91	0.31	4.80	0.31	0.31	0.00	T.	1.21	0.49	T.	0.47	10.63
Trona	0.31	0.00	0.16	0.12	0.00	T.	0.06	0.09	0.11	0.54	1.14	0.00	2.53
Tujunga	2.64	1.26	1.09	2.42	0.00	0.04	T.	0.05	0.32	0.86	0.54	0.59	9.81
Turlock	2.00	0.87	0.10	3.26	0.51	T.	0.00	0.00	0.51	0.37	0.57	0.70	8.89
Tustin (near)	1.26	1.25	0.37	0.79	0.08	0.00	0.06	0.00	0.26	0.51	1.13	2.78	8.49
Twin Lakes	8.40	3.80	0.64	2.48	0.41	2.06	0.71	0.39	3.60	1.82	0.70	5.20	30.30
Twin Valley	4.39	1.22	T.										
Two Canyon Ranch	2.06	1.18	0.58	4.25	0.05					0.05			
Ukiah	4.00	1.25	0.01	5.46	0.26	0.28	0.00	0.07	3.03	1.00	1.29	1.79	18.44
Upper Mattole	8.26	2.10	0.90	9.24	1.25	0.63	0.02	0.00	3.64	3.62	4.23	7.68	41.57
Vacaville	3.37	0.61	T.	4.19	0.04	0.06	0.00	0.07	0.46	0.30	0.16	1.46	10.72
Valyermo	0.71	0.24	0.53	0.56	0.00	0.00	0.06	0.09	0.77	0.19	0.70	0.79	4.64
Ventura	1.82	1.19	T.	3.08	0.00	0.00	0.00	0.00	0.26	0.20	0.00	0.58	7.13
Visalia	1.41	0.96	0.20	2.68	0.00	0.00	0.00	0.00	0.11	0.24	0.00	0.12	5.72
Voltaire	2.24	0.92	0.02	1.26	0.00	T.	0.00	T.	0.47	0.27	0.97	0.11	6.26
Walnut Creek	2.95	0.67	0.66	2.88	0.00	0.05	0.00	T.	0.51	0.37	0.22	1.32	9.63
Warner Springs	2.32	1.51	1.34	1.10	0.00	0.00	0.01	0.04	2.93	0.50	1.05	1.65	12.45
Wasco	1.08	0.05	0.00	1.00	0.00	0.00	0.00	0.00	0.22	0.40	T.	0.05	2.80
Watsonville	3.99	1.55	0.00	0.97	0.00	0.33	0.00	0.00	0.85	0.00	0.57	1.51	9.77
Weaverville	3.50	0.85	T.	5.22	0.57	2.06	0.00	0.20	1.82	2.38	1.85	3.20	21.65
West Branch	8.31	3.82	0.34	8.63	1.38	2.52	0.01	2.55	3.45	2.24	1.27	3.60	38.12
West Point	7.28	0.72	0.35	8.70	1.29	0.40	0.00	0.00	2.17	1.06	0.62	3.06	25.67
Westwood	3.86	1.59	0.38	2.32	0.56	1.52	0.02	1.94	1.66	1.04	0.34	0.96	16.19
Whitewater Canyon	1.64	1.02	0.00	1.00			0.00	0.01	0.01	0.13	1.10	0.82	
Willows	1.69	0.96	T.	2.39	0.06	0.36	T.	0.04	1.36	0.39	0.45	0.86	8.56
Wrights	6.59	2.04	T.	7.59	0.00	0.78	0.00	T.	0.75	0.27	0.51	2.20	20.82
Yorba Linda	1.89	0.77	0.52	2.30	0.02	0.00	0.04	0.00	T.	0.87	0.29	2.03	8.73
Yosemite	6.95	1.70	0.61	7.24	0.87	1.44	T.	0.17	1.96	1.72	0.92	1.57	25.15
Yreka	1.59	0.95	0.06	1.33	0.43	1.27	0.29	0.55	1.57	0.96	0.47	1.70	11.17
Colorado													
Akron	T.	0.18	0.95	1.65	4.95	2.17	3.62	0.78	0.82	1.91	0.47	1.40	18.89
Ames	0.95	1.18	2.78	2.56	3.29	0.63	3.16	3.34	2.34	1.40	2.14	1.86	25.63
Ashcroft	0.86			1.33	1.22	1.49	3.25						

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Colorado—Continued													
Auldhurst	T.	0.95	1.32	0.32	1.05	1.60	3.50	1.11	0.45	1.38	0.23	0.50	12.41
Boulder	T.	1.71	2.29	1.29	3.47	4.44	2.46	2.68	0.84	5.43	0.40	0.88	25.89
Buena Vista (near)	0.20	0.91	1.20	0.47	0.75	0.94	3.36	1.94	0.80	0.57	0.25	0.03	11.42
Burlington	T.	0.10	0.36	1.66	4.74	3.03	4.33	4.89	0.95	2.54	0.22	0.28	23.10
Calhan	T.	0.56	0.66	0.75	1.22	2.37	2.89	4.47	1.62	2.09	0.68	1.07	18.39
Canon City	0.00	0.97	1.38	0.32	1.59	0.80	2.85	3.43	2.63	3.35	0.42	0.61	18.35
Cascade	2.25	1.85	3.70	2.54	1.87	0.00	3.30	4.90	3.42	1.12	1.40	2.16	28.51
Castle Rock	T.	0.64	1.22	0.96	2.54	1.65	5.12	3.34	1.11	5.34	0.54	1.67	24.13
Cathedral	0.12	0.26	0.82	0.98	1.27	0.67	2.96	3.81	1.57	1.33	0.92	0.60	15.31
Cedaredge	0.18						0.52	0.75	1.13	0.99	0.51	0.37	
Cheesman	0.05	0.75	0.93	0.49	1.25	2.43	3.07	3.70	1.74	4.31	0.22	1.03	19.97
Cheyenne Wells	T.	0.37	0.50	0.79	3.85	3.75	4.87	4.41	1.37	3.74	1.19	0.72	25.56
Collbran	1.00	0.17	1.13	2.07	1.39	0.10	3.25	2.72	1.46	1.45	0.53	0.89	16.16
Colorado Springs	0.00	0.27	0.28	0.53	1.25	2.49	3.47	5.33	2.19	3.45	0.04	0.29	19.59
Columbine	1.32	1.46	3.43	2.20	1.64	1.27	1.83	2.30	2.35	1.56	0.37	1.14	20.87
Columbine Ranch	1.67	1.20	3.35	2.35	1.68	0.72	1.95	3.88	1.45	1.41	0.87	2.04	22.57
Cope	T.	T.	0.06	0.07	4.76	3.85	4.15	3.48	1.33	3.61	0.28	1.03	22.62
Crested Butte	3.04	3.39	3.94	2.98	1.31	0.12	2.00	3.36	2.15	0.15	0.03	0.65	23.12
Cuchara Camps	0.31	1.90	2.51	1.27	3.08	1.79	8.61	10.09	3.17	4.35	1.68	1.45	40.21
Cumbres	1.86	2.10	5.34	3.36	1.39	0.52	1.08	3.72	2.60	0.71	1.11	3.80	27.59
Delhi							2.16					0.46	
Del Norte									1.18	1.24	0.50	0.11	
Delta	0.09	0.19	0.74	0.47	1.79	0.38	0.37	2.44	1.35	0.91	0.30	0.37	9.40
Denver	0.13	1.09	2.17	0.60	1.83	3.55	2.74	3.87	0.75	3.50	0.24	0.95	21.42
Dillon	0.90	0.60	1.43	0.65	1.05	2.83	3.33	3.30	1.91	1.26	0.02	1.40	18.68
Dolores	2.34	0.56	2.04	2.15	0.83	0.06	1.50	3.48	3.15	0.78	1.99	3.34	22.22
Durango	1.40	0.82	1.32	1.72	1.41	T.	1.32	2.31	2.38	1.50	2.41	3.48	20.07
Eads					5.00	4.61	2.73	6.47	3.00	4.81	0.54	0.28	
Edgewater	0.50	1.18	1.74	0.75	2.65	3.80	3.56	4.47	1.12	4.69	0.31	0.95	25.72
Elk Creek	0.08	0.94	1.17	0.77	1.56	3.68	7.06	6.48	1.26	3.58	0.69	1.17	28.44
Estes Park Fish Hatchery	0.35	1.54	3.57	1.83	3.28	2.90	7.51	1.29	3.17	4.87	0.37	1.12	31.80
Flagler	0.03	0.35	0.60	0.94	5.46	3.07	4.60	4.87	0.20	3.21	0.60	0.95	24.88
Flebbe Ranch					0.32	2.20	1.23	0.61	0.70	1.08			
Fort Collins	0.10	1.39	2.74	2.18	4.46	6.23	4.50	0.62	1.36	3.55	0.10	0.25	27.57
Fort Lewis	1.32	0.65	0.79	0.85	0.63	0.14	2.09	5.44	1.85	0.38	0.12	1.85	16.11
Fort Lupton	0.16	0.52	0.85	0.79	2.72	5.54	2.13	3.01	0.84	2.61	0.04	0.28	19.40
Fort Morgan	T.	0.07	0.56	1.51	2.90	2.06	2.17	1.94	1.58	1.41	T.	0.34	14.54
Fraser	1.66	0.65	2.03	1.48	2.19	2.76	3.07	2.03	1.43	2.24	0.22	1.29	21.05
Fremont Experiment Station	T.	1.11	1.37	1.13	1.42	2.72	7.73	5.13	2.54	5.00	0.92	0.78	29.85
Fruita (near)	0.87	0.23	0.98	1.99	0.47	T.	1.09	1.71	1.05	0.86			
Garfield	1.08	2.20	3.18	1.34	2.79	0.92	3.47	4.31	2.85	4.15	0.99	1.52	28.80
Garnett	0.00	0.13	0.39	0.05	0.41	0.74	0.34	3.04	1.53	0.90	T.	0.13	7.66
Glenwood Springs	1.12	0.63	2.23	1.32	0.84	0.84	2.10	2.88	1.15	1.10	0.74	0.68	15.63
Goodpasture	0.00	1.56	2.36	0.44	2.28	1.71	5.99	5.20	3.72	1.47	1.05	1.31	28.09
Grand Junction	0.70	0.19	1.80	0.84	0.62	0.02	0.62	1.86	0.71	0.66	0.85	0.98	9.85
Greeley	0.07	1.39	2.12	0.82	2.14	4.54	0.96	1.80	1.03	2.94	0.01	0.38	18.20
Grover (near)	0.10	0.40	0.77	0.20	1.84	3.13	1.40	1.79	T.	1.86	0.50	0.10	12.09
Gunnison	0.80	0.43	0.82	0.13	1.37	0.53	3.28	2.60	1.17	1.11	0.43	0.49	13.16
Hartsel	0.04	0.36	0.84	0.30	0.66	1.04	4.95	3.92	1.87	1.62	0.05	0.61	16.26
Haswell	0.00	0.31	0.40	0.99	2.71	4.02	1.57	2.33	0.70	2.82	0.38		
Hawthorne	0.14	2.18	2.91	1.75	3.34	4.59	2.51	4.45	1.30	7.19	0.69	1.17	32.22
Haxtun	0.00	0.20	0.81	2.02	4.92	4.11	3.61	3.41	1.39	2.16	0.13	0.48	23.24
Hayden	1.32	0.97	2.21	2.39	1.33	0.76	2.22	1.77	1.13	1.99	0.33	0.79	17.21
Hermit	0.41	1.17	1.37	1.48	0.12	0.93	2.53	5.37	4.45	1.94	0.95	0.67	21.39
Holly	0.00	1.00	0.30	1.15	2.47	4.36	1.77	2.99	1.61	4.63	0.30	0.78	21.36
Hoyt (near)	0.02	0.16	0.57	0.60	3.17	2.72	1.65	1.63	1.03	1.96	0.06	0.26	13.83
Huerfano	0.00	0.90	1.37	0.40	1.11	1.02	6.45	3.61	1.18	2.75	0.90	0.60	20.29
Idaho Springs	0.09	0.70	0.71	1.01	1.83	2.26	3.86	3.30	1.32	2.94	0.21	0.45	19.68
Ignacio	0.96	0.39	1.30	0.58	1.02	0.40	1.17	3.12	3.14	1.21	1.76	1.98	17.03
Julesburg	0.03	0.25	1.30	2.69	6.14	3.03	5.72	6.28	0.80	2.40	0.35	0.32	29.31
Kassler	0.10	1.24	1.65	0.67	2.76	3.72	1.42	3.51	0.85	5.28	0.41	1.52	23.13
La Junta	0.02	0.73	0.57	0.67	4.02	4.74	1.40	3.03	0.91	2.37	0.79	0.13	19.38
Lake Moraine	T.	1.19	1.35	0.70	1.48	4.10	5.20	4.89	3.06	3.72	0.91	0.81	27.41
Lamar	0.00	0.52	0.37	1.12	2.42	4.47	3.04	5.35	1.95	3.46	0.49	0.39	23.58
La Porte	0.15	2.12	3.87	2.65	2.77	5.19	3.71	1.51	0.66	1.41	0.01	0.30	24.35
Las Animas	T.	0.45	0.27	0.89	4.95	2.77	1.42	4.86	1.36	3.73	0.37	0.32	21.39
La Veta Pass	0.33	2.03	1.51	0.82	2.24	1.70	2.17	4.45	2.19	4.17	2.21	2.35	26.17
Lay	1.31	0.89	3.32	2.51	1.36	0.24	1.98				0.25	2.13	
Leadville	0.83	0.68	1.83	1.15	1.46	2.18	7.34	4.93	1.19	2.08	0.12	0.75	24.54
Le Roy (near)	0.05	0.35	1.96	2.05	6.34	3.93	4.42	2.39	0.87	2.89	0.43	0.82	26.50
Limon (near)	0.00	0.66	0.63	0.92	2.25	3.34	2.66	3.39	1.00	3.89	1.13	1.00	20.87
Long Branch	T.	0.85	0.47	0.96	4.39	2.56	2.68	3.72	0.49	2.31	0.39	0.36	19.18
Longmont	0.17	0.88	1.25	1.21	3.05	5.46	3.73	1.34	0.76	3.23	0.23	0.39	21.70
Longs Peak (near)	0.35	2.60	4.84	2.06	3.32	4.36	7.90	1.66	3.57	5.42	0.71	1.29	38.08
Madrid	0.00	0.75	0.92	1.12									
Manassa	T.	T.	0.47	0.03	0.12	1.47	0.53	2.81	1.75		0.05	0.35	
McClave	0.00			1.50	3.04								
Meeker (near)	1.42	0.34	1.96	1.87	1.36	0.09	1.96	2.10	1.45	0.79	0.05	1.18	14.57
Mesa Verde Park	1.98	1.09	0.66	1.57	0.68				1.94	0.62	2.03	2.59	
Montrose	0.03	0.16	0.50	0.43	1.25	0.12	1.19	1.69	0.69	1.19	0.18	1.62	9.05
Monument	0.00	1.01	1.44	1.07	1.38	2.09	5.96	4.04	1.21	4.37	0.51	1.27	24.35
Morrison	0.16	2.26	2.59	0.59	3.21	3.69	4.32	5.68	0.74	2.93		1.15	
Nast	0.51	0.51	1.93	0.68	1.20	1.96	4.19	4.56	1.58				
North Lake	0.10	0.90	1.25	0.50	0.70	2.70	4.10	7.40					
Ordway		0.46	0.03	0.30	3.37	2.95	3.15	3.60	0.69	2.82	0.33	0.15	
Palisade Lake	2.41	1.80	2.81	2.13	2.29	0.30	2.88	5.82	5.38	2.83	1.55	2.76	32.96
Palisades	0.50	0.02	0.80	1.28	0.61	0.04	0.71	1.20	1.36	1.47	0.70	0.31	9.00
Paonia	0.68	0.34	1.72	1.91	1.47	0.36	1.67	2.86	1.63	1.43	0.87	2.04	16.98
Parker (near)	0.03	1.48	2.37	0.75	2.66	3.85		1.97	1.41	3.37	0.51	1.32	
Peetz					5.35	6.19	3.64	1.74	0.22	2.48	0.31	0.25	
Pitkin	0.86	0.86	1.16	1.00	1.15	1.13	1.36	5.19	2.50	1.51	0.47	0.64	17.83
Pueblo	T.	0.76	0.67	0.54	0.68	0.91	4.05	4.65	1.36	2.75	0.66	0.35	17.38
Pyramid				3.33	1.87	1.13	2.59	2.55	2.09				
Rico	1.20	1.34	1.95	1.94	2.36	0.86	3.92	6.54	1.83	1.46	2.49	1.88	27.77
Rifle	0.78	0.28	1.34	1.32	1.56	0.13	0.93	1.05	1.01	0.86	0.27	0.72	10.25
Rocky Ford (near)	T.	0.30	0.20	0.32	6.27	4.16	2.39	3.99	0.85	3.18	0.16	T.	21.82

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Colorado—Continued													
Rugh Ranch [1]	0.18	0.84	1.72	1.40	3.81	4.30	4.44	0.57	1.17	4.50	0.08	0.42	23.52
Saguache	T.	0.02	T.	0.35	0.29	1.48	1.78	5.67	------	3.64	0.47	0.39	------
Salida	T.	0.60	1.11	0.20	------	------	------	------	------	------	------	------	------
San Luis	0.06	0.16	0.63	0.37	0.98	0.83	1.07	2.96	1.62	0.28	------	------	------
Sapinero (near)	1.40	0.84	2.44	2.99	2.77	0.35	1.87	2.07	1.59	1.82	0.63	2.03	20.80
Savage Basin	2.66	0.81	3.69	3.34	4.18	1.05	3.47	5.07	3.55	2.18	1.25	2.74	33.99
Sedgwick	0.05	0.45	1.54	2.42	------	------	4.65	3.89	0.83	1.81	0.30	0.43	------
Shoshone	1.54	0.79	1.32	1.03	1.50	1.35	2.97	2.58	1.45	1.40	0.80	0.91	17.64
Silver Lake	2.42	0.75	7.10	3.47	6.27	0.58	11.50	2.10	0.96	------	1.00	1.40	------
Silverton (near)	1.24	0.91	2.52	1.32	1.47	1.01	3.91	6.44	3.17	1.67	0.51	1.98	26.15
Simpson (near)	0.08	0.82	1.55	1.26	3.95	2.82	2.04	2.36	1.42	1.93	0.60	0.81	19.64
Spicer (near)	0.75	0.55	1.70	0.73	0.13	1.29	1.00	1.12	0.51	1.54	0.31	0.80	10.43
Springfield	0.00	0.75	0.60	1.43	2.90	4.70	2.41	1.65	1.98	4.75	0.85	1.05	22.07
Steamboat Springs	2.09	2.00	3.99	2.10	1.86	0.83	1.90	2.84	2.15	2.18	0.81	1.66	24.41
Sterling	0.02	0.20	2.42	1.45	4.76	3.10	4.63	1.45	0.42	1.81	0.28	0.60	21.09
Tacoma	2.19	0.50	2.32	1.67	0.80	0.00	1.92	3.76	1.85	1.51	1.77	2.61	20.45
Telluride	0.34	0.41	2.56	1.14	2.87	1.07	2.56	2.01	0.63	1.63	1.11	0.98	17.31
Terminal Dam	0.79	1.89	2.20	1.66	0.40	0.00	1.52	3.54	3.44	0.98	2.40	2.95	21.77
Trinidad	0.00	0.86	1.72	1.33	0.40	3.90	2.57	7.03	3.45	------	0.49	1.11	------
Trout Lake	1.28	1.07	2.37	2.26	3.57	0.04	0.58	4.96	3.24	1.65	2.09	1.95	29.06
Two Buttes	0.10	0.12	0.53	1.34	2.53	4.04	1.26	------	------	------	------	------	------
Two Buttes Reservoir	0.02	0.25	------	2.25	2.87	------	------	------	------	------	------	------	------
Utleyville	0.00	0.70	0.63	1.70	4.06	2.18	2.24	3.04	1.80	3.78	0.45	0.35	20.93
Victor (near)	0.00	1.12	1.95	0.29	0.81	2.08	7.22	6.27	3.40	2.27	0.01	1.01	26.43
Wagon Wheel Gap (Experiment Station)	0.59	0.72	1.08	1.79	0.64	0.88	2.38	3.27	3.02	1.93	1.20	1.15	18.65
Waterdale	0.19	1.16	1.87	2.10	4.30	5.80	2.28	2.71	1.38	5.41	0.20	0.55	27.95
Willard	0.17	0.41	2.64	1.47	4.84	3.87	5.16	2.13	0.34	1.95	1.93	0.85	25.76
Wray	T.	0.08	------	------	------	------	2.14	1.68	------	------	------	------	------
Yampa	0.01	0.30	0.63	T.	T.	------	------	------	------	2.29	------	------	------
Yuma	0.05	0.19	1.60	2.57	8.03	3.91	5.33	1.03	0.17	------	0.30	1.15	------
Connecticut													
Bridgeport	6.95	1.77	3.79	3.76	2.58	2.73	1.53	1.34	2.40	7.26	5.08	5.06	44.25
Canton	6.80	2.09	2.03	------	------	------	------	------	------	------	------	------	------
Colchester	8.05	2.56	4.03	6.80	1.65	4.99	3.53	1.55	2.84	7.04	5.01	5.48	58.53
Cream Hill	6.96	2.22	3.31	3.17	2.58	2.91	2.65	2.74	4.28	5.76	3.00	4.05	43.83
East Hartland	6.27	2.56	2.08	4.12	2.82	3.36	4.19	2.88	2.50	7.60	3.77	4.51	46.66
Falls Village	5.05	1.47	1.82	3.18	2.50	2.73	3.19	3.14	4.60	5.52	2.74	2.85	38.79
Hartford	7.77	1.62	2.96	4.19	2.33	3.84	4.99	2.57	2.39	6.61	4.32	4.84	48.43
Lake Konomoc	5.62	2.05	5.35	5.49	1.75	4.88	4.13	1.50	3.58	5.63	3.70	7.06	50.74
New Haven	7.80	1.97	4.04	4.01	1.94	3.13	1.49	1.17	2.11	7.00	3.75	6.18	44.59
New London	7.34	1.99	3.74	3.98	1.51	3.34	2.50	1.19	1.98	7.37	3.34	5.95	44.23
North Grosvenor Dale	7.59	2.06	3.27	5.99	1.20	3.00	3.39	2.83	2.46	5.22	5.62	4.87	47.50
Norwalk	6.85	2.43	4.14	3.61	2.00	3.19	1.52	1.22	2.95	6.36	5.02	4.91	44.20
Storrs	6.81	1.87	3.07	6.31	1.47	6.07	3.76	4.53	3.55	6.02	4.35	5.00	52.81
Torrington	6.03	2.73	2.19	3.43	2.70	3.46	3.09	2.61	4.28	5.22	3.33	4.25	43.32
Voluntown	7.02	1.77	3.86	6.09	1.57	4.88	4.42	2.83	2.82	5.06	4.51	5.55	50.38
Waterbury	6.56	1.53	3.47	4.14	2.75	3.63	2.71	1.82	2.09	7.95	3.55	3.44	48.64
Delaware													
Delaware City	4.03	2.31	3.23	5.67	1.76	1.94	2.55	0.94	5.77	2.52	1.79	3.77	36.28
Dover	5.13	3.14	6.13	3.80	0.63	2.83	3.79	2.24	3.90	3.83	2.35	3.12	40.89
Milford	5.62	3.16	6.88	4.20	1.01	1.83	4.68	2.52	2.76	4.08	3.24	3.00	42.98
Millsboro	4.35	2.91	7.21	3.45	0.98	2.03	8.87	6.21	3.11	3.93	3.65	2.64	49.34
Seaford	4.22	3.22	6.43	3.78	1.36	4.42	7.23	2.65	3.25	3.80	3.34	2.05	45.55
Wilmington	4.51	2.71	3.69	4.45	2.19	1.15	6.38	2.12	4.79	3.55	2.73	4.90	43.17
District of Columbia													
Washington (Weather Bureau)	4.24	2.19	4.47	3.94	1.50	2.80	4.92	2.19	3.15	1.36	2.04	2.80	35.60
Florida													
Allapattah	0.40	0.13	0.83	3.18	9.11	10.97	6.89	2.49	5.07	2.33	0.09	0.14	42.63
Apalachicola	3.80	2.64	2.37	0.51	6.09	6.14	8.54	5.62	5.23	3.18	2.44	2.09	48.65
Arcadia	0.77	1.31	1.32	2.41	11.71	10.30	6.61	4.31	6.48	2.25	0.22	0.29	47.98
Avon Park	0.92	1.37	1.09	2.44	11.61	9.04	7.63	12.68	4.63	2.28	0.41	0.44	54.54
Bartow	1.31	0.96	0.80	0.90	17.74	6.59	10.40	7.57	9.43	1.47	0.09	0.52	57.78
Blountstown	3.20	3.73	4.62	4.70	5.86	14.73	9.15	9.99	1.66	1.99	2.57	2.83	65.03
Bluff Springs	4.21	6.08	6.44	5.47	8.71	6.60	6.03	12.68	1.02	11.40	5.26	4.54	78.44
Bonifay	3.38	2.86	5.22	5.64	4.81	11.44	6.99	8.15	2.43	1.60	4.46	3.25	60.43
Bradentown	3.44	1.00	1.15	0.01	4.01	4.85	4.89	6.30	5.11	2.60	0.36	0.28	34.00
Brooksville	1.32	1.36	1.44	0.66	12.20	10.45	9.16	9.82	4.21	2.33	0.46	1.02	54.43
Carrabelle	2.58	1.46	2.41	2.75	4.47	5.24	10.00	6.53	5.08	7.50	1.51	1.86	51.34
Cedar Keys	1.68	0.26	1.76	1.08	3.76	1.76	5.29	6.74	4.33	4.79	0.40	0.68	32.53
Chapman Field Garden	------	------	------	------	------	------	4.79	6.57	4.71	3.86	0.50	0.29	------
Clermont	0.33	0.95	2.43	0.64	12.99	7.02	12.07	10.28	6.41	2.19	0.05	1.16	55.52
Cottage Hill	3.54	4.12	7.98	5.11	8.70	11.96	8.56	11.17	3.53	15.22	3.25	3.04	86.18
Crescent City	1.26	2.01	3.23	------	18.50	9.43	5.67	4.38	3.69	3.33	0.10	1.47	------
Davenport	------	------	0.42	1.72	10.92	6.72	9.95	6.80	7.57	0.97	0.47	0.55	------
Davie	0.27	1.12	1.77	3.12	8.08	10.70	9.97	5.97	4.72	4.89	1.15	1.69	53.45
Daytona Beach	------	0.93	2.48	1.24	6.58	7.45	5.13	6.77	2.15	5.58	0.09	1.14	------
De Funiak Springs	4.96	5.57	6.43	8.92	7.36	12.21	------	6.15	------	2.65	------	------	------
De Land	1.16	0.79	2.59	2.81	6.64	11.21	7.91	8.75	7.21	2.88	0.12	1.54	53.61
Eustis	0.92	1.17	1.79	1.73	10.85	4.57	5.09	6.55	4.85	3.00	0.39	1.62	42.53
Federal Point	1.44	1.64	2.05	1.21	10.50	12.01	5.04	3.38	4.09	2.67	0.06	1.89	45.98
Fellsmere	1.10	0.56	0.52	5.82	7.24	12.88	7.17	2.89	8.99	3.32	0.33	1.21	52.03
Fenholloway	6.09	1.58	2.32	1.31	9.96	10.69	8.58	------	------	------	------	------	------
Fernandina	3.11	1.02	1.55	0.79	5.49	2.87	7.51	1.54	3.07	2.25	0.76	1.50	31.46
Fort Lauderdale	0.17	0.98	1.68	5.07	5.47	8.28	6.75	8.06	5.17	3.27	1.37	0.57	46.86
Fort Myers	0.73	0.50	0.25	1.56	5.64	10.49	8.25	7.31	6.55	2.72	0.34	0.18	44.52
Fort Pierce	1.28	0.30	0.79	4.84	7.72	8.40	5.39	1.09	8.50	2.98	0.46	1.12	42.82

[1] Name changed from Fry's Ranch.

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
***Florida*—Continued**													
Gainesville	1.05	2.06	1.95	0.89	8.01	12.51	2.30	7.04	1.81	1.94	0.23	1.93	41.72
Garniers (near)	2.07	6.34	3.63	3.23	5.87	7.78	4.95	13.48	2.22	9.72	1.68	2.19	63.16
Glen St. Mary	2.05	2.50	1.10	1.53			9.54	4.73	3.46	1.74	0.41	1.38	
Griffin	0.47	1.19	1.47	2.78									
Hilliard				2.57	8.15	3.75	10.13	8.02	4.69	1.18	0.34	1.47	
Homestead	0.08	0.95	0.61	5.32	15.83	9.55	7.69	8.95	9.08	4.91	0.27	0.20	63.44
Hypoluxo	0.71	2.48	3.09	1.52	4.20	11.03	7.95	5.27	9.36	3.67	1.38	4.84	55.50
Inverness	1.20	1.24			11.30	8.59	6.14	7.01	5.43	4.17	0.24	1.57	
Isleworth	0.55	0.10	2.16	1.52	8.72	6.41	5.01	5.35	3.40	3.98	0.00	1.53	38.73
Jacksonville (Weather Bureau)	1.37	1.93	1.15	0.98	8.73	4.94	5.14	4.67	4.89	4.75	0.06	1.38	39.99
Jacksonville (No. 2)	2.02	2.40	2.76								0.25	1.70	
Johnstown	2.13	1.46	1.45	1.92	9.45		6.61	2.79	1.69	1.48	T.	1.69	
Jupiter	0.94	2.79	1.88	5.31	5.59	6.76	4.56	3.09	6.60	4.07	1.46	3.62	46.67
Key West	0.35	0.06	0.39	1.08	5.67	3.14	2.88	3.88	4.97	1.39	0.73	0.35	24.89
Kissimmee	1.47	0.66	0.95	0.80	10.77	11.89	12.77	7.30	3.84	1.43	0.24	1.04	53.16
Lake City	4.32	1.97	2.84	1.85	6.58	9.11	3.76	5.90	3.20	1.14	0.40	1.48	42.55
Lakeland	1.62	1.12	2.08	1.79	10.83	8.91	5.33	7.99	7.13	1.50	0.85	0.41	49.56
Lake Wales	1.65	0.47	0.65	3.68	13.90	6.22	10.02	11.34	3.02	1.45	0.11	0.68	53.19
Lawtey									3.70	1.93	0.37	2.69	
Live Oak	4.47	3.14	3.26	2.07	12.47	12.00							
Lock No. 4	0.10	1.30	1.62	2.20					2.39	3.55	0.80	1.57	
Long Key	0.56	0.32	0.95	3.27	5.00	7.12	2.74	5.60	2.63	4.56	0.45	0.29	33.49
Lynne (near)	2.11	1.38	1.84	4.65	13.20	10.80	8.40	6.02	6.94	4.10	0.16	1.91	61.51
McDonald	1.18	0.85	2.92	1.57	6.06	11.84	6.06	11.14	4.67	2.88	0.28	1.30	50.75
Madison	4.01	3.00	3.00	2.57	12.25	10.97	6.29	8.02	5.65	1.52	1.38	1.29	59.95
Malabar	1.59	1.41	0.85	2.58	5.99	13.88	9.98	4.82	4.92	2.78	0.79	1.51	51.10
Marianna	4.32	3.33	5.56	4.89	8.46	11.82	7.31	7.03	5.28	1.78	2.13	2.03	63.94
Melrose	0.74	1.56	3.41	0.59	11.21	12.55	4.23	5.43		4.78	0.12	1.89	
Merritts Island	0.94	0.49	0.31	4.20	11.58	13.69	4.00	1.37	5.42	4.97	0.29	3.27	50.53
Miami (Weather Bureau)	0.21	0.24	0.58	2.15	11.48	5.94	5.20	6.34	6.21	2.77	0.27	0.46	41.85
Miami (No. 2)	0.33	0.09	0.62	2.42	9.70	6.67	5.58	4.50	8.22	3.29	0.18	0.63	42.23
Middleburg	0.95	1.69	2.20	1.80	10.50	6.48	6.98	10.41	3.61	3.45	0.11	1.72	49.90
Monticello	4.58	3.52	3.43	3.60	6.73	9.58	8.42	10.75	1.15	1.28	3.08	2.24	58.36
Moore Haven	0.32	0.49	0.62	3.55	11.70	12.52	7.54	10.04	4.23	1.39	0.21	0.28	52.89
Mount Pleasant	2.95	3.85	4.20	3.14	7.81	11.40	8.61	6.59		1.16	2.67	1.87	
New Smyrna	0.69	0.39	1.90	1.19	10.39	7.48	7.58	3.46	4.52	9.01	0.35	1.02	47.98
Ocala	1.58	1.92	1.40	1.62	12.42	11.72	12.80	5.71	4.68	3.33	0.25	1.84	59.27
Orlando	0.56	0.27	2.63	0.83	10.42	12.36	7.54	5.85	5.79	3.73	0.17	1.45	51.60
Palatka	0.95	1.05		0.16	14.36	9.64	7.00	4.65		1.78	0.10	2.25	
Pensacola	3.07	4.95	4.99	6.56	7.70	12.71	7.28	9.59	1.66	14.66	3.03	1.26	77.46
Pinellas Park	1.64	1.74	1.56	0.35	8.99	9.53	3.41	8.01	5.38	4.32	0.46	0.44	45.83
Plant City		0.55	1.17	0.20	10.64	5.60	6.24				0.27		
Punta Gorda	0.40	0.98	0.21	0.72	7.29	5.82	5.45	6.89	7.62	1.33	0.41	0.35	37.47
Quincy	3.88	3.75	5.05	3.88	5.42	15.59	8.71	6.31	3.33	1.65	3.27	3.41	64.25
Ritta	0.25	1.09	0.37	2.27	9.63	5.59	10.45	8.00	4.46	3.08	0.15	0.59	45.93
St. Andrew	4.38	3.82	3.41	1.72	7.20	9.00	10.98	10.81	1.80	4.33	2.12	1.93	61.50
St. Augustine	1.85	1.61	1.89	2.08	10.66	7.20	6.29	2.23	1.76	1.54	0.16	1.69	38.96
St. Cloud		0.55	0.65	1.94	11.94	9.73	7.50	6.34	9.83	2.97	0.25	1.21	
St. Leo	1.76	0.85	1.59	0.40	14.37	9.24	5.71	10.80	5.86	2.46	0.31	0.57	53.92
St. Petersburg	0.93	1.03	1.29	0.32	4.02	6.56	6.75	8.08	3.59	2.73	0.51	0.81	36.62
Sand Key	0.27	0.24	0.36	0.83	3.53	2.36	1.10	3.43	1.58	4.15	0.50	0.48	18.83
Sanford	1.06	0.35	1.56	0.91	7.51	9.77	3.71	8.08	2.77	4.37	0.22	1.44	41.74
Switzerland	1.88	0.40	1.77	2.38	9.75	10.79		3.00	3.42	4.48	0.07	1.39	
Tallahassee	2.77	3.06	3.11	3.29	4.75	9.51	6.67	5.83	1.16	0.75	1.88	1.93	44.70
Tampa	0.90	0.61	1.08	0.67	5.59	6.33	4.88	5.52	6.63	4.10	0.30	0.47	37.08
Tarpon Springs	2.29	1.87	1.46	0.08	5.41	5.48	6.19	8.70	5.92	2.75	0.95	0.54	41.64
Temple Terraces	1.31	0.64	1.40	0.54	9.20	9.91	7.55	9.22	7.81	3.72	1.63	0.65	53.58
Titusville	1.08	0.91	1.68	2.67	19.93	6.61	8.37	2.87	5.54	3.53	0.16	4.19	57.54
Vero												1.35	
Wausau			2.87	4.97									
Georgia													
Abbeville	3.97	3.00	4.46	3.05	7.94	5.08	6.57	9.61	2.41	T.	2.88	2.10	51.07
Adairsville	3.53	5.24	5.04	7.33	9.95	2.99	3.40				3.84	6.02	
Alapaha	4.31	2.09	4.91	1.73	7.28	9.86	5.72	3.37	2.18	0.66	2.45	3.38	47.94
Albany	5.26	4.20	9.17	2.30	11.09	8.33	5.76	4.48	1.20	0.33	1.60	2.50	56.22
Americus	6.32	4.71	5.93	2.18	10.70	4.73	3.32	5.08	1.59	0.74	2.12	2.36	49.78
Athens	4.28	5.73	5.98	5.25	11.32	2.30	3.91	4.86	1.60	1.05	3.60	5.32	55.20
Atlanta	1.94	7.47	5.14	3.82	9.83	3.23	2.60	4.17	0.54	1.59	3.55	5.60	49.48
Augusta	2.72	4.78	4.46	2.78	6.01	4.21	7.03	3.36	1.62	0.54	1.98	4.65	44.14
Bainbridge	2.80	3.46	5.43	2.94	6.42	11.81	7.81	6.54	2.01	0.64	1.68	1.96	53.50
Blakely	5.35	3.40	7.59	2.52	8.21	8.06	5.40	7.73	2.00	1.19	2.47	2.29	56.21
Blue Ridge	6.10	6.20	5.90	7.16	9.99	7.08	5.94	7.04	1.74	1.45	3.17	7.49	69.26
Brunswick	2.47	2.16	2.92	2.00	6.45	2.67	7.95	2.55	4.25	1.91	0.39	1.90	37.62
Butler	4.39	3.78	8.37	3.49	10.23	7.09	3.17	3.57	4.15	0.54	3.34	3.50	56.22
Canton	1.54	5.33	2.94	7.91	8.72	2.71	3.00	2.37	2.42	1.81	3.24	6.28	48.27
Carlton	4.48	7.17	6.85	5.00	10.71	2.70	1.88	6.50	0.23	0.42	3.92	5.61	55.47
Clayton	4.36	6.31	5.28	7.15	12.84	6.57	5.44	6.40	4.30	3.00	6.55	7.60	75.80
Columbus	3.55	5.17	8.82	3.41	6.18	4.75	4.44	3.99	0.13	0.75	5.13	2.82	49.14
Concord	4.10	6.92	9.59	4.30	8.54	1.44	2.88	6.50	1.11	1.62	5.28	5.00	57.28
Cornelia	3.83	5.03	4.95	4.68	12.85	2.57	3.98	5.08	1.89	0.92	4.31	6.02	56.11
Covington	5.40	6.56	6.84	5.25	13.24	2.63	1.05	8.57	0.90	0.38	4.64	4.69	60.15
Dahlonega	4.64	6.05	4.96	5.91	10.42	5.16	4.16	3.33	3.69	1.66	4.83	5.84	60.65
Dublin	3.97	3.86	6.63	2.43	9.80	6.14	3.75	5.01	3.24	0.37	2.10	2.84	50.14
Eastman	3.27	3.96	5.64	4.10	8.13	9.77	3.75	8.33	1.54	0.59	1.34	3.21	53.53
Eatonton	5.09	8.37	8.38	4.73	9.97	2.88	2.93	4.94	4.59	0.25	2.89	3.62	58.64
Fair View	4.43	6.00	6.54	3.77	9.28	1.47	2.93	5.97	1.86	0.66	3.24	3.64	49.79
Fort Gaines	4.65	5.14	6.76	2.15	6.58	8.37	5.17	6.88	1.70	1.12	3.30	2.62	54.44
Fort Valley	5.37	3.87	7.51	3.27	9.71	5.99	2.64	5.00	2.83	0.46	2.99	3.67	53.31
Gainesville	4.43	6.15	5.41	5.83	12.23	4.64	3.90	4.87	2.87	1.64	3.89	6.10	61.96
Gillsville	2.93	6.45	4.30	5.55	13.78	4.63	1.48	4.36	1.84	0.60	4.53	7.93	58.38
Glennville	1.86	1.36	2.56	1.03	7.82	4.38	4.96	4.81	1.67	0.34	2.35	2.32	35.46
Goat Rock	3.52	4.69	6.49	3.79	6.15	2.57	5.32	3.11	0.46	0.79	2.24	2.54	41.67
Greensboro	4.60	6.16	7.31	3.97	9.00	3.00	4.40	3.20	1.12	0.42	2.85	4.10	50.13
Griffin	5.23	7.73	6.85	5.82	7.55	2.45	0.75	7.26	0.38	0.52	4.70	4.29	53.53
Hartwell	2.89	5.72	5.87	4.33	9.53	1.94	2.95	2.93	1.73	0.62	3.82	6.30	48.57

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
***Georgia*—Continued**													
Hawkinsville	4.79	4.18	6.62	2.77	10.27	7.78	4.57	6.39	1.11	1.26	1.19	2.37	53.30
Hazlehurst	1.74	1.81	6.09	1.30	5.12	8.02	5.83	4.63	2.78	0.27	1.54	2.73	41.86
Lisbon	3.18	4.88	5.06	4.75	8.95	4.35	4.99	6.16	0.34	0.21	2.65	4.07	49.59
Louisville	2.21	4.02							5.42	0.94	1.29	4.66	
Lumber City	1.91	1.66	5.81	1.23	5.90	7.46	6.23	6.41	0.48	0.36	1.70	2.95	42.10
Macon	3.71	4.43	6.33	3.77	11.21	8.91	5.33	6.39	5.08	0.05	2.24	3.05	61.50
Marietta	3.96	7.62	4.79	5.50	8.43	2.23	5.75	7.23	0.91	2.97	3.53	4.73	57.65
Marshallville	7.41	5.25	8.87	3.71	12.85	5.54	4.44	4.43	1.14	T.	2.78	3.69	60.11
Milledgeville	4.63	4.99	7.40	3.30	7.53	4.77	7.37	11.56	3.28	0.35	2.41	3.70	61.29
Millen	3.10	2.00	7.55	2.15	6.55	8.65	6.15	5.70	6.05	1.40	1.30	4.20	54.80
Montezuma	6.59	3.91	5.12	2.29	11.83	9.28	2.79	9.21	0.32	0.15	2.29	3.51	57.29
Monticello	5.62	8.51	8.25	4.71	10.03	5.21	2.59	8.55	1.41	0.40	3.22	4.30	62.80
Newnan	5.13	6.84	5.67	4.19	8.61	2.60	0.52	7.65	0.10	1.36	3.86	4.32	50.85
Norcross	4.48	7.22	4.38	4.17	8.41	2.55	5.62	6.23	0.33	1.78	3.49	5.50	54.16
Point Peter		7.03	7.12	4.59	8.69	5.05	3.48	5.12	2.63	0.38	3.79	5.68	
Quitman	4.29	3.08	4.47	4.89	5.04	10.56	8.24	4.69	3.37	0.85	3.19	1.98	54.59
Resaca	5.14	5.71	5.04	7.81	10.38	5.40	4.85	3.93	0.92	0.57	3.95	5.92	59.62
Rome	4.63	5.70	5.68	7.61	8.95	3.17	2.49	4.14	0.61	1.17	4.15	6.11	54.41
St. George	0.62	1.13	5.38	1.72	6.62	7.69	7.97	4.09	4.39	1.45	0.39	2.28	43.73
Savannah	2.45	0.93	2.31	1.06	5.52	1.79	5.47	6.60	2.94	0.48	0.77	2.30	32.62
Statesboro	1.24	1.16	5.41	1.23	6.28	8.24	5.89	9.45	0.91	0.62	2.17	3.18	45.78
Talbotton	4.37	4.72	7.80	4.57	13.07	6.88	2.01	5.19	0.20	1.66	4.35	3.38	58.20
Tallapoosa	3.32	6.83	4.88	7.39	7.84	3.37	1.49	3.54	0.15	1.26	4.66	5.45	50.18
Thomasville	3.94	3.35	5.23	3.88	6.00	10.71	10.59	6.89	2.32	1.38	2.87	2.79	59.95
Tifton	7.04	1.97	5.24	1.38	4.67	8.87	4.51	4.14	1.05	0.58	2.01	2.17	43.63
Toccoa	3.84	5.22	4.61	4.81	11.13	3.16	2.91	6.30	1.05	0.92	5.06	6.37	55.38
Valdosta	3.70	3.27	4.03	2.42	4.31	5.54	7.76	6.76	1.11	1.31	2.30	3.43	45.94
Warrenton	4.29	6.10	7.42	4.08	9.84	2.62	3.56	7.70	2.46	0.42	1.96	4.93	55.38
Washington	4.14	6.06	8.02	4.17	5.46	1.88	2.26	5.09	1.35	0.51	1.87	4.69	45.50
Waycross	3.03	2.21	2.28	0.82	5.39	3.90	6.13	5.44	2.31	1.15	1.32	1.26	35.24
West Point	4.34	6.13	7.48	4.01	7.17	5.45	1.61	7.35	1.65	0.99	4.06	4.74	54.98
Woodbury	4.47	6.40	9.43	3.68	9.01	3.18	1.00	3.21	1.13	1.08	4.45	3.73	50.77
Idaho													
Aberdeen	0.71	0.15	0.17	2.05	1.04	0.81	1.39	0.50	0.68	2.64	0.32	0.74	11.20
Alpha	5.35	1.58	1.90	2.48	2.70		1.46	0.57			1.71	2.57	
American Falls				2.05		0.57	0.02	0.43	0.96	2.80	T.	1.60	
Arco	1.70	1.05	0.10	1.07	2.48	2.80	2.32	1.23	0.28	2.95	0.10	0.50	16.58
Argora	1.08	0.17	0.32	1.88	3.18	3.14	1.34	2.16	0.45	1.90	0.04	0.83	16.49
Arrowrock	3.85	0.27	0.62	1.38	1.64	2.41	0.27	0.63	0.67	2.37	1.08	1.31	16.50
Ashton	1.12	0.51	0.91	1.59	1.46	2.43	1.47	0.60	0.40	0.99	0.62	1.10	13.20
Atlanta	5.20	0.98	2.68	1.70		2.78	1.01	1.21	0.78				
Avery	4.07	0.70	1.15	3.15	2.07	3.23	0.83	1.17	0.23	1.23	4.92	3.45	26.20
Big Smoky Ranger Station						2.90	0.89	1.85	0.82				
Blackfoot	0.74	0.27	0.38	1.65	0.77	1.63	1.22	0.34	0.90	2.78	0.35	0.58	11.61
Bliss	2.30	0.17	0.10	1.78	1.43	1.20	0.07	0.22	1.36	2.75	0.36	1.37	13.11
Bogus Creek	3.37	1.39	1.13	3.17	2.92	4.63	2.53	0.45	0.93	3.14	1.19	1.32	26.17
Boise	1.62	0.21	0.24	1.09	1.76	2.05	0.68	0.20	0.55	2.73	0.55	0.79	12.47
Bostetter Ranger Station						3.82	0.77	2.17	1.83	3.09			
Boulder Mine	5.63	1.60			3.54	3.64	1.39	1.02	0.69	3.35	1.60		
Brownlee Ranger Station					2.89	5.04	0.81	0.34					
Buhl	0.86	0.04	0.24	1.41	1.37	1.71	0.65	0.28	1.29	2.31	0.59	1.15	11.90
Bungalow Ranger Station						4.71	1.23	1.28	0.09		5.32		
Burley	0.73	0.26	0.20	2.85	1.19	1.55	1.35	2.15	0.94	2.64	0.26	0.92	15.04
Caldwell	0.90	0.10	0.17	1.00	1.79	1.59	0.67	0.24	0.43	2.10	0.67	0.48	10.14
Cambridge	4.32	0.40	1.08	2.64	2.61	2.36	1.74	0.13	0.17	2.17	0.77	1.66	20.05
Challis	0.41	0.07	0.18	0.27	1.40	1.81	0.49	0.80	0.10	1.45	0.02	0.71	7.71
Chattin's Flat										1.70	0.13	1.10	
Coeur d'Alene	4.15	1.52	1.39	1.60	1.33	3.43	0.98	1.78	0.13	1.62	2.27	3.99	24.19
Cottonwood Creek			0.89	1.63	2.25	3.19	0.46	0.47	0.96			1.51	
Council	3.73	0.65	1.57	3.59	2.21	3.78	0.66	0.47	0.53	2.45	1.19	2.65	23.48
Cuprum	5.40			4.02	3.52	6.31	1.20	1.17	1.02	3.52	3.32	2.45	
Deer Flat	0.86	0.05	T.	1.10	0.97	1.93	0.21	0.18	0.59	1.95	0.64	1.05	9.53
Driggs	1.08			2.26	0.98			1.80			0.77	1.52	
Dubois		0.40		1.67	1.97	2.26	2.04	0.78	0.10		0.30		
Elk City										3.00	2.75	3.82	
Emmett	1.11	0.10	0.27	1.25	1.49	2.31	0.38	0.03	0.36	2.48	0.78	0.20	10.76
Felt	0.73	0.38	0.75	1.54	2.18	2.52	1.48	0.72	0.47	0.75	0.47	0.74	12.73
Fort Hall	0.75	0.24	0.93	2.70	0.99	1.30	1.54	0.80	0.61	2.21	0.24	0.84	13.15
Garden Valley	3.83		1.02		2.40	1.73	0.83	0.48	0.55				
Geneva	0.78	0.26	0.80	0.78	0.64	0.52	0.30	0.54	1.61	3.17	0.62	0.40	10.44
Glenns Ferry	0.80	0.03	0.00	0.10	0.40	3.22	0.11	0.02	1.80	1.26	0.33	0.48	8.55
Gooding	0.94	0.53	0.07	1.89	1.20	2.57	0.32	1.01	0.86	2.82	0.33	1.37	13.91
Grace	1.39	0.43	0.75	2.85	2.18	1.28	0.78	1.52	1.84	2.31	0.96	0.67	16.96
Grandview Ranger Station					2.97								
Grangeville	1.75	1.44	0.82	4.00	4.64	5.38	0.61	0.76	0.78	3.61	1.26	2.02	27.07
Grimes Pass	3.71	1.57	1.14	1.91	2.73	2.69	1.32	1.19	0.27	2.52	1.16	3.08	23.29
Hailey	2.44	1.22	0.14	1.55	1.90	3.47	0.29	0.84	0.52	2.42	0.22	1.50	16.51
Hawley Gulch Ranger Station						4.06	1.72	1.79	0.69				
Hazelton	1.50	0.41	0.97	1.70	1.76	1.48	0.76	1.70	1.09	2.01	0.38	1.95	15.11
Hereford						2.80	1.85	1.90	1.57	3.20			
Hill City	5.67	0.53	2.40			2.85	0.72	1.38	1.09	2.43	0.49	1.81	13.24
Hollister	0.59	0.33	0.19	2.38	1.85	1.96	0.36	0.28	1.40	2.31	0.75	0.84	25.38
Idaho City	4.62	1.71	1.33	2.45	3.51	3.27	0.83	0.67	0.62	2.77	1.38	2.22	9.60
Idaho Falls	0.50	0.17	0.37	0.21	1.28	1.26	1.41	0.50	0.70	2.00	0.10	0.50	10.63
Irwin	2.01	0.31	0.28	1.24	1.41	1.00	0.81	0.54	1.20	0.70	0.78	0.55	10.13
Jerome	1.05	0.10	0.21	1.35	1.30	1.03	0.08	0.27	1.37	2.02	0.27	1.08	
Juniper Buttes	1.90	1.02	0.85		1.79	1.87	1.80	0.80	0.40	1.87	0.30		21.97
Kamiah	1.93	0.77	1.17	2.98	2.73	4.55	0.62	0.77	0.13	2.57	2.15	1.60	30.35
Kellogg	5.12	0.75	2.62	2.53	1.93	3.83	0.90	2.22	0.28	1.69	4.27	4.21	
Kirkham			1.20	1.72	2.70	4.00			T.	1.76	0.85	2.74	
Kooskia	1.56	1.03	1.46	2.94	4.12	4.94	0.44	0.55	0.42	2.38	1.94	1.39	2.37
Lapwai	2.41			1.77	1.57	2.86	1.20	0.56	0.12	2.88	2.59	2.87	
Lemhi		0.35	0.35	1.63	2.18	2.01	0.90	0.51	0.25	0.70	0.29		
Lewiston	1.66	0.70	0.98	1.02	1.03	2.10	1.10	0.38	0.10	1.94	1.78	1.83	14.62

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Idaho—Continued													
Lifton	1.47	0.11	0.62	1.69	1.54	0.66	0.93	0.72	2.28	2.43	0.39	0.57	13.41
Little Camas	3.26	0.59	0.22	1.02	1.05	2.70	0.78	0.36	0.82	3.15	0.67	1.67	16.29
Long Gulch		1.00			1.98	2.43	0.80	0.65	1.10	2.70	0.65	1.07	
Loon Creek	1.73	0.75	0.58	0.54	3.36	2.18							
McCall	5.63	2.50	1.90	2.80	2.09	4.94	1.42	1.27	0.47	2.31	1.82	2.77	29.92
Mackay	1.28	0.61	0.16	2.08	2.12	2.37	1.00	1.96	0.20	1.34	0.08	0.58	13.78
Malad	0.86	0.24	0.91	2.68	1.48	1.50	1.92	1.19	1.19	2.99	0.55	0.63	16.14
Meridian	1.20	0.23	0.31	0.94	1.62	1.91	0.52	0.01	0.34	2.22	0.60	0.83	10.73
Monteview	0.82	0.53	0.14	1.00	0.81	1.37	1.56	1.74	0.27	1.22	0.17	0.19	9.82
Montpelier						1.40							
Moscow	3.93	1.71	1.56	2.52	1.44	3.37	1.19	0.26	0.25	1.73	3.02	3.95	24.93
Mountainhome	2.05	0.27	0.48	0.93	0.63	1.67	0.26	T.	1.25	2.43	0.33	1.02	11.32
Mud Lake		0.45		0.95	1.59	1.80			0.55	1.40			
Murphy	0.38	0.13	0.02	1.40	1.35	1.69	0.04	0.01	0.64	1.99	0.33	0.49	8.47
Musselshell	6.44	2.35	3.87	3.90	3.58	6.61	1.00	0.65	0.65	3.50	4.66	5.46	42.67
New Meadows	2.81	1.35	1.51	1.65	1.57	4.09	1.42	1.63	0.26	2.18	1.70	2.55	22.72
Nezperce	1.99	0.68	0.90	3.14	2.54	4.04	0.52	0.84	0.22	2.13	1.78	1.11	19.89
Oakley	0.65	0.18	0.48	3.00	1.27	1.89	0.23	1.54	1.22	3.84	0.39	0.78	15.47
Obsidian	2.87	0.57	1.34	1.23	1.46	2.31	0.35	1.23	0.55	2.45	1.07	1.90	17.33
Orofino	6.29	1.69	3.20	3.10	2.08	5.43	0.66	0.55	0.11	0.98	4.27	2.65	31.01
Parma	0.82	0.02	0.01	0.80	1.73	1.03	0.24	0.10	0.28	2.16	0.52	0.20	7.91
Payette	1.27	0.11	0.14	1.65	1.18	1.56	0.57	0.09	0.24	2.65	0.56	0.82	10.84
Peace Valley							1.51						
Pete King Ranger Station					3.51	4.86	0.67	0.55	0.13	3.23	4.50	2.41	
Pine	4.17	1.13	0.58	1.24	1.34	1.90	1.31	0.68	0.70	2.00	1.08	2.65	18.78
Pleasant Valley	0.88	0.10	0.20	0.69	1.48	1.67	0.58	0.04	0.46	2.68	0.36	0.67	9.81
Pocatello	1.14	0.44	1.33	2.57	1.32	1.68	0.95	0.60	0.86	3.03	0.38	1.15	15.45
Porthill	3.60	0.79	0.56	0.71	2.23	2.07	1.74	1.24	0.25	1.79	1.54	2.11	18.63
Potlatch	3.55	1.24	1.78	2.43	1.73	5.17	1.37	0.30	0.20	1.80	2.47	3.75	25.79
Preston	3.32	0.85	1.03	4.96	1.88	2.04	1.07	1.95	1.41	2.01	2.38	0.87	23.77
Prichard						4.32	0.65	1.79	0.25	2.08	4.90	2.80	
Priest River Experiment Station	5.96	0.90	1.55	1.07	2.26	2.06	0.68	1.12	0.63	1.77	3.21	4.45	25.66
Pyle Creek	6.16	1.38	1.42	1.96	2.92	2.29	0.38	1.09	0.62	2.02	2.22	3.49	25.95
Rice	2.77				2.94	1.77	1.63	1.20	0.18	1.11	1.18	1.56	
Richfield	1.17	0.40	0.51	1.69	1.71	2.30	0.22	0.62	1.01	2.31	0.34	1.75	14.03
Rupert	0.72	0.22	0.28	1.86	1.66	1.24	0.87	2.02	0.73	2.47	0.37	1.01	13.45
St. Maries	4.26	1.36	1.73	2.25	1.45	2.94	0.85	1.57	0.31	1.63	3.41	4.37	26.13
St. Michael's Monastery	3.05	1.43	3.10	2.19	4.15	5.12	2.22	1.08	0.34	2.85	1.83	2.67	30.03
Salmon		0.08	0.22		1.18	1.90	0.70	1.14	0.43	0.88		0.79	
Sandpoint	5.61	0.72	1.71	0.99	2.79	2.84	1.00	1.18	0.30	1.60	3.73	3.92	26.39
Sheep Hill	5.34	1.00	0.80	1.82	1.80	2.78	0.47	0.25	0.65	2.63	1.37	2.49	21.40
Shoshone	1.56	0.29	0.48	1.32	1.52	2.42	0.28	0.20	1.36	2.20	0.18	1.37	13.18
Shoshone Ranger Station						3.65	1.24	0.89	1.72	4.49			
Soldier Creek	4.97	2.62	1.52	1.82	1.55	3.43	0.15	1.39	0.83	3.15	1.66	3.26	26.35
Spencer	1.90	0.51	0.55	1.61	2.95	3.06	2.32	1.43	T.	1.91			
Springfield	1.14	0.17	0.55	2.35	0.96	0.72	1.02	0.50	0.66	2.50	0.30	0.69	11.56
Stanley	1.93	0.14	1.30	1.38	2.64	2.16	1.50	1.28	0.48	1.94	1.25		
Sugar	0.92	0.26	0.42	1.26	1.32	1.83	0.50	0.35	0.50	0.65	0.20	0.84	9.05
Sunset Lookout							0.55	2.00					
Sunnyside	1.84												
Tripod Mountain	2.66	0.77	1.12	2.69	2.35	3.74	2.10	0.77	0.27	2.81	1.50	1.35	22.13
Twin Falls	0.64	0.17	0.32	2.41	1.60	2.36	0.88	0.27	1.34	1.81	0.59	0.84	13.23
Wallace	10.00	1.00	3.29	1.39	2.73	3.70	0.32	2.33	0.25	3.75	5.24	7.34	41.34
Warren	2.83	0.95	0.99	2.50	1.45	5.25	0.91	1.67	1.07	2.73	1.70	2.29	24.34
Weiser	1.38	0.06	0.23	1.38	1.35	2.13	0.26	T.	0.23	2.38	0.37	0.80	10.57
Wendell	1.66	0.04	0.32	1.36	1.01	2.52	0.05	0.51	1.40	2.59	0.30	0.55	12.31
Wrensted Ranch			1.04										
Illinois													
Aledo	0.93	1.01	4.65	1.13	4.26	5.41	2.13	2.39	4.04	1.40	1.07	2.03	30.45
Alexander	0.97	0.95	4.19	1.88	4.35	3.77	1.03	5.75	6.75	5.05	1.80	3.46	39.95
Anna	5.80	4.17	4.42	4.51	5.84	2.31	1.33	8.63	4.26	3.62	2.97	6.81	54.67
Astoria	1.14	0.70	4.13	2.08	4.32	4.80	0.77	3.56	3.61	3.85	1.36	2.30	32.61
Aurora	0.71	0.75	3.12	1.57	2.98	2.86	3.12	2.79	2.94	5.11	1.82	1.72	29.49
Beardstown	0.57	0.68	3.28	1.42	3.66	4.06	1.79	5.05	4.14	3.78	1.46	2.31	32.20
Benton	2.50	3.61		3.28	6.86		2.09	7.29	4.96	3.64	2.48	5.41	
Bloomington	1.19	0.98	5.02	1.80	7.13	3.00	1.50	5.45	3.85	5.03	1.53	3.92	40.40
Cairo	7.01	2.57	5.00	4.02	5.10	3.30	2.01	2.48	3.48	2.43	3.59	4.92	45.91
Carbondale	3.25	3.52	4.58	3.64	7.41	1.80	0.48	6.78	4.21	3.39	2.65	4.60	46.31
Carlinville	1.50	1.42	4.74	2.86	2.63	3.96	3.13	4.15	6.44	6.32	1.35	4.22	42.72
Carmi											2.75	6.15	
Casey	2.19	1.47	5.17	3.11	4.67	2.95	1.64	8.20	2.96	3.77	1.60	4.11	41.84
Charleston	2.06	1.46	5.26	3.19	5.49	2.48	2.53	4.93	4.50	4.57	2.16	3.99	42.62
Chester	2.60	3.49	4.73	3.08	6.58	4.07	1.24	6.07	1.44	3.86	1.95	4.72	43.83
Chicago	0.92	1.05	3.05	1.38	3.46	1.70	2.67	7.76	2.50	4.57	1.46	1.96	32.48
Chicago University	0.99	1.02	2.96	1.14	4.20	1.40	2.60	7.99	2.60	3.96	1.45	2.00	32.31
Clinton		1.19	5.83	2.09	6.35	2.04	2.74	5.99	5.05	5.13	1.66	4.13	
Danville	2.30	1.76		2.75	5.38	1.48	2.42	5.81	1.71	3.75	1.82	5.28	
Decatur	1.33	1.38	5.45	2.51	3.28	3.16	4.64	3.51	5.00	5.72	1.79	5.15	42.92
Dixon		0.40	3.92	1.22	1.75	2.70	3.40	3.12	2.10	2.84	1.06	2.58	
Du Quoin	2.93	3.13	5.10	4.46	7.63	1.99	2.01	7.22	3.21	3.17	2.46	4.31	47.62
Dwight	0.98	1.14	3.10	0.94	6.70	4.56	0.84	3.96	2.73	4.93	1.50	3.06	34.44
Edwardsville		1.44	3.80	4.02	6.17	3.45	4.88	5.68	6.46	3.76	2.71		
Effingham	2.51	1.29	4.48	4.09	4.65	4.31	5.11	5.91	3.64	3.07	1.83	4.13	45.02
Elgin			3.47	1.75	1.78	3.09	3.14	3.56	5.30	4.11	1.14	1.05	
Fairfield	2.58	2.17	4.28	3.40	4.60	3.70	2.96	4.82	4.48	3.29	1.79	6.39	44.46
Fairview	1.07	0.77	3.30	1.00	2.97	2.49	3.43	2.32	3.17	2.94	1.39	1.88	26.73
Flora	2.87	1.82	4.29	4.70	5.93	3.05	1.05	4.58	3.56	4.25	2.07	5.51	43.69
Freeport		0.35	4.90	0.85	1.29	4.20	7.05	4.55	3.08	2.83	0.87	2.04	
Galva	0.93	1.16	4.29	1.15	3.10	4.36	0.98	2.63	3.18	2.51	0.96	1.90	27.15
Golconda												4.90	
Golden	0.84	0.44	3.43	1.98	2.67	3.24	2.31	3.63	5.33	2.06	1.53	1.75	29.21
Grafton	1.08	2.62	4.55	3.60	3.74	5.84	1.72	8.22	6.73	4.48	1.94	5.26	49.78
Grand Chain								6.97	2.98	2.51	3.47	5.86	
Greenville	1.64	0.90	4.54	4.29	3.96	4.09	2.32	5.40	4.47	3.43	1.73	3.53	40.32
Griggsville	0.97	0.94	3.24	2.04	3.68	4.14	2.70	7.67	3.31	3.40	1.82	3.01	36.92

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Illinois—Continued													
Harrisburg	4.74	4.53	3.62	4.63	6.39	3.34	2.75	7.98	3.82	2.52	3.12	7.18	54.62
Havana	1.00	0.61	3.90	1.28	3.98	5.62	1.12	3.75	3.50	3.86	1.43	2.68	32.73
Henry	0.96	1.29	3.97	0.96	3.25	4.08	0.08	1.90	4.97	4.32	1.51	1.78	29.07
Hillsboro	1.54	1.08	5.63	2.66	4.00	5.75	3.04	3.09	7.32	4.32	2.02	4.12	44.57
Hoopeston	1.65	1.17	4.34	2.21	7.30	2.54	3.53	3.76	3.84	4.75	1.81	5.45	42.35
Joliet	0.83	1.24	-------	1.28	5.78	2.28	1.19	3.73	3.23	5.47	1.58	2.38	-------
Kankakee	0.90	1.05	3.06	1.27	7.37	3.11	0.66	3.91	1.73	4.50	1.80	4.57	33.93
La Harpe	1.26	0.60	4.08	0.86	3.53	2.99	4.97	2.85	4.04	1.26	1.46	2.27	30.17
La Salle	0.84	1.32	3.61	1.18	3.37	2.78	1.06	2.81	5.16	3.78	1.59	1.81	29.31
Lincoln	1.20	1.10	4.58	1.76	5.63	2.30	2.43	3.23	4.77	4.49	1.49	3.73	36.71
McLeansboro	2.48	3.72	5.03	3.99	5.71	5.06	0.76	5.17	3.45	3.74	2.86	6.57	48.54
Macomb	1.38	0.65	2.96	0.95	2.73	3.46	3.88	4.11	4.74	2.09	1.45	1.92	30.32
Marengo	0.87	0.49	3.23	1.96	1.02	4.51	1.90	5.86	4.54	3.46	1.33	1.82	30.99
Mascoutah	3.15	1.85	3.87	3.94	4.77	3.03	2.36	-------	1.24	3.61	1.95	3.74	-------
Minonk	0.71	0.64	-------	1.23	3.59	3.58	2.52	3.96	2.68	4.44	1.50	2.43	-------
Monmouth	0.94	1.05	4.23	1.19	3.21	2.94	1.18	4.73	4.88	1.67	1.46	2.35	29.83
Morris	1.08	1.07	2.56	0.89	3.64	3.56	2.22	3.02	3.70	4.71	1.54	2.13	30.12
Morrison	0.62	0.43	4.21	1.30	2.40	5.54	1.58	2.25	5.10	1.88	0.92	2.05	28.28
Morrisonville	1.61	1.35	5.25	2.72	4.73	2.20	1.32	3.26	7.06	4.76	2.21	4.28	40.75
Mount Carmel	2.22	3.03	4.41	3.04	5.43	5.60	2.73	3.90	2.31	3.72	3.60	6.19	46.18
Mount Carroll	0.74	0.43	3.34	1.32	2.24	4.16	2.72	4.02	4.32	2.06	0.94	2.19	28.48
Mount Vernon	2.43	2.10	4.97	2.61	5.50	3.55	1.70	6.46	3.00	3.54	2.58	5.88	44.32
Nashville	2.85	2.03	4.93	3.54	6.46	2.00	2.86	5.36	4.23	3.24	2.43	3.13	43.06
New Burnside	5.41	3.91	4.15	5.12	6.89	3.84	0.44	8.97	5.00	3.31	3.05	7.55	57.64
Olney	2.67	1.81	4.94	3.44	5.77	3.38	0.56	7.15	2.39	3.56	1.88	5.80	43.35
Oregon	0.65	0.21	-------	1.48	1.77	4.73	3.33	3.09	2.98	3.03	-------	2.49	-------
Ottawa	-------	1.30	-------	1.03	4.40	2.47	1.36	3.26	3.22	3.72	1.64	-------	-------
Palestine	2.54	1.24	5.08	3.39	4.16	2.96	0.48	5.87	2.27	3.41	1.88	4.22	37.50
Pana	1.55	1.22	5.33	2.89	3.34	3.09	2.17	3.47	5.43	4.08	1.99	4.94	39.50
Paris	2.12	1.30	4.81	3.57	4.79	2.77	3.81	7.64	3.20	4.02	1.89	3.67	43.59
Paw Paw	0.62	0.81	3.73	1.21	2.44	5.21	2.24	2.39	6.76	4.15	1.29	1.58	32.43
Pearl	0.83	0.81	4.10	1.94	2.81	3.43	3.16	5.35	3.54	4.34	1.85	2.64	34.60
Peoria	1.10	0.83	4.08	1.95	5.15	2.09	1.35	2.84	5.28	3.85	1.37	2.21	32.10
Pontiac	1.33	1.00	6.08	0.87	5.70	1.86	0.46	2.92	2.35	4.80	1.75	3.04	32.16
Quincy	0.86	0.48	4.08	1.87	3.25	4.56	1.22	3.59	6.24	2.81	1.34	1.90	32.20
Roberts	1.36	0.62	3.66	1.15	5.62	3.83	2.21	4.01	2.60	4.67	1.63	3.88	35.24
Rochelle	-------	-------	-------	-------	-------	-------	-------	-------	3.38	3.17	0.99	-------	-------
Rockford	0.91	0.53	4.99	1.38	1.29	4.76	1.67	4.08	3.44	3.68	0.90	2.31	29.94
Rushville	0.83	0.70	4.98	1.36	3.77	2.32	1.67	6.27	6.46	2.99	1.41	2.32	35.08
Salem	2.48	2.13	5.97	5.51	5.58	2.95	2.85	8.28	2.15	3.46	1.85	3.72	45.93
Shawneetown	4.88	5.42	3.82	4.92	5.45	5.15	3.02	7.00	1.89	2.48	3.71	7.23	54.97
Sparta	2.76	2.19	4.95	4.13	5.37	2.51	2.39	13.22	1.99	3.98	2.23	3.78	49.50
Springfield	1.06	0.79	5.23	1.72	3.46	2.74	1.31	5.35	5.66	4.53	1.44	3.40	36.69
Sycamore	0.59	0.42	3.48	1.62	1.47	4.62	2.02	4.98	4.04	4.83	1.42	1.96	31.45
Tiskilwa	0.84	1.63	4.45	1.48	4.45	4.91	0.90	2.14	4.28	4.64	1.97	2.29	33.98
Tuscola	1.70	1.28	5.11	2.67	5.39	2.79	2.17	4.43	3.10	3.31	1.79	5.21	38.95
Urbana	1.57	1.34	5.25	2.96	5.26	3.20	3.26	4.08	2.99	3.78	1.68	5.01	40.38
Walnut	0.78	0.86	5.27	1.41	3.20	5.04	1.14	1.51	3.22	2.99	1.31	2.17	28.90
Warsaw	1.15	0.28	3.45	0.68	2.94	4.52	1.25	4.59	3.71	1.08	1.56	-------	-------
Waterloo	3.00	1.58	3.92	3.83	4.91	4.69	1.51	8.68	2.45	4.64	2.02	3.93	45.16
Watseka	1.28	0.62	4.70	2.63	4.78	1.68	1.50	4.93	4.72	4.90	1.73	2.83	37.40
Waukegan	0.86	0.61	1.77	1.39	1.15	3.66	1.58	5.30	5.22	4.77	1.00	1.79	29.10
White Hall	0.95	0.83	4.86	2.58	2.31	2.65	1.72	4.81	3.47	3.91	1.69	3.31	33.09
Windsor	1.44	1.55	5.82	2.99	3.15	2.90	2.48	4.22	6.27	3.56	1.96	4.76	41.10
Indiana													
Albion	1.55	1.23	3.05	1.21	3.23	1.84	4.37	2.74	2.54	3.29	1.01	5.03	31.09
Anderson	2.10	1.28	3.57	2.01	5.36	3.45	3.93	4.93	4.97	3.09	3.87	5.34	43.90
Angola	1.90	1.48	3.74	1.54	3.30	2.44	3.80	2.12	4.18	2.74	1.74	4.40	33.38
Bedford	4.57	3.24	3.59	3.81	4.71	3.89	3.95	6.83	2.34	4.88	3.78	8.91	54.50
Berne	2.94	1.50	4.33	1.90	5.35	2.91	4.25	4.46	4.74	2.09	2.26	4.83	41.56
Bloomington	3.24	2.25	5.51	2.15	5.84	3.95	2.62	4.78	2.64	3.41	3.96	8.02	48.37
Bluffton	3.22	1.56	4.39	1.65	5.99	1.98	4.51	3.86	4.57	3.12	2.01	5.32	42.18
Butlerville	3.91	2.74	4.19	2.90	3.97	4.42	3.40	6.30	3.32	1.77	2.95	7.39	47.26
Cambridge City	3.70	2.07	3.44	2.11	4.29	2.40	1.99	4.63	2.95	1.80	1.74	6.03	37.15
Collegeville	1.40	0.75	4.18	2.50	4.32	1.51	4.68	4.11	3.25	3.69	1.40	4.47	36.26
Columbia City	2.40	1.45	4.03	1.59	4.52	1.95	4.94	6.25	3.40	4.13	1.85	5.81	42.32
Columbus	3.27	2.56	3.57	2.79	3.72	6.31	3.30	4.40	2.49	2.58	2.67	7.06	45.62
Connersville	1.65	1.05	3.09	3.80	4.43	4.27	2.22	4.86	3.27	2.16	1.82	6.21	38.42
Decker	2.49	3.15	3.57	2.98	6.65	4.50	2.21	5.63	2.66	3.04	2.37	6.68	45.93
Delphi	2.55	1.72	4.58	1.80	6.62	2.06	4.91	3.43	4.34	4.24	1.73	6.00	43.98
Elliston	2.55	2.31	5.32	2.48	5.12	4.40	0.76	5.09	5.43	3.62	2.52	8.02	47.62
Evansville	5.43	4.45	2.48	4.54	4.66	5.09	1.00	3.09	1.84	3.78	3.54	6.43	46.33
Farmland	2.68	2.45	3.40	2.41	2.50	3.52	4.75	7.11	3.98	2.24	0.88	5.40	41.41
Forest Reserve	5.93	2.91	4.17	3.99	3.03	3.65	3.08	5.01	3.05	1.22	3.94	7.31	47.29
Fort Wayne	1.99	1.23	3.65	1.42	4.25	1.56	5.26	4.35	2.41	3.08	2.06	3.99	35.25
Frankfort	1.86	1.75	5.68	1.87	10.71	2.40	9.46	3.30	4.72	2.59	2.78	6.32	53.44
Goshen	1.11	1.06	3.32	1.07	3.41	3.34	4.48	2.85	2.27	3.62	0.77	4.87	32.17
Greenfield	2.60	1.76	3.44	1.04	6.26	2.71	4.21	4.52	2.01	3.10	1.94	1.77	35.36
Greensburg	2.84	2.35	2.85	2.27	4.30	3.59	1.90	5.06	2.06	2.30	1.81	6.57	37.90
Hickory Hill	3.15	1.59	4.62	2.09	5.25	4.21	3.37	3.48	3.27	4.05	2.69	7.51	45.28
Howe	0.61	2.43	2.47	1.70	4.22	4.55	4.50	2.46	3.11	4.96	1.61	5.53	35.15
Huntingburg	3.91	3.91	4.15	4.46	6.38	4.72	3.63	7.08	1.62	4.55	4.85	6.53	55.79
Huntington	2.35	2.55	4.06	1.98	5.86	2.92	6.21	6.70	3.05	3.64	1.82	5.58	46.72
Indianapolis	2.73	1.70	4.41	1.94	5.86	2.30	2.43	4.83	3.91	3.29	2.04	5.60	41.04
Jeffersonville	5.67	3.62	4.43	4.60	4.92	6.14	3.79	2.70	3.25	1.14	3.29	6.47	50.02
Kokomo	2.19	2.90	3.52	2.13	7.26	1.56	3.26	4.73	2.70	2.51	1.39	5.80	40.31
La Fayette	2.16	1.62	3.28	2.32	6.62	1.26	5.78	2.80	4.13	3.88	1.67	5.32	40.81
Laporte	0.60	0.78	2.33	1.44	4.75	5.16	4.81	5.68	6.26	3.96	2.10	4.95	42.82
Madison	5.46	2.51	4.02	3.97	4.19	4.07	4.19	4.46	2.41	1.10	3.06	7.33	46.77
Marion	3.92	1.86	4.71	2.26	5.12	2.29	3.68	4.90	3.51	3.44	1.43	5.72	42.84
Martinsville	3.44	1.33	4.96	2.22	5.76	3.31	2.88	6.05	2.05	4.18	2.31	6.40	44.89
Maury	3.87	1.76	3.49	1.77	5.03	3.27	1.65	4.47	2.29	3.12	1.45	6.51	38.68
Moores Hill	3.06	3.65	3.49	2.65	2.85	4.16	1.45	4.98	1.36	0.87	2.23	6.46	37.20
Mount Vernon	2.92	6.11	3.05	4.60	5.99	5.73	0.75	2.42	2.43	2.94	3.68	6.66	47.98

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Indiana—Continued													
Muncie	4.20	1.36	4.13	2.52	4.81	5.05	5.16	7.27	2.83	3.12	1.77	5.53	47.75
Noblesville	3.51	2.32	5.06	2.26	9.22	4.04	4.50	4.89	4.37	3.11	1.66	5.73	50.67
Notre Dame	0.91	1.81	3.05	0.90	3.27	3.48	4.78	2.78	7.56	3.79	1.56	4.25	38.14
Paoli	3.97	2.39	3.15	4.58	4.77	2.99	4.04	6.64	3.84	3.09	3.59	5.69	48.74
Plymouth	2.15	1.62	3.94	0.96	4.12	2.72	5.89	2.73	4.41	4.08	1.64	4.18	38.44
Princeton	3.01	1.91	3.54	3.90	6.40	3.83	1.78	6.98	2.27	3.49	3.33	6.51	46.95
Richmond	3.57	1.28	2.80	1.62	4.28	3.38	2.25	4.55	4.65	1.86	1.50	5.40	37.14
Rockville	2.35	1.44	4.66	2.62	7.11	2.47	2.71	3.92	3.35	2.95	1.93	5.35	40.86
Rome	6.32	5.46	4.55	5.12	4.08	4.26	3.89	4.74	3.16	2.17	4.26	6.58	54.59
Royal Center	1.92	1.30	3.70	1.75	4.62	3.06	3.30	4.04	3.24	3.84	1.72	5.13	37.62
Salem	5.12	2.44	3.69	4.25	4.01	4.00	6.34	3.85	3.52	2.06	4.03	6.15	49.46
Seymour	3.02	2.17	2.87	2.60	3.68	5.87	3.83	4.61	4.56	2.25	2.61	6.42	44.49
Shelbyville	2.65	2.50	4.09	2.59	5.08	6.06	2.39	5.08	2.67	3.27	2.02	6.89	45.29
Shoals	3.63	2.48	2.70	3.77	4.35	2.24	2.59	6.48	1.72	4.51	2.84	6.72	44.03
South Bend	0.90	1.47	2.56	1.05	3.23	3.72	3.09	2.46	7.83	3.68	1.42	3.99	35.40
Terre Haute	1.86	1.32	5.05	2.66	6.20	2.21	0.59	6.91	3.40	3.32	1.53	4.23	39.28
Valparaiso	1.22	1.80	3.12	1.22	6.02	3.28	1.73	10.93	4.35	4.32	2.48	5.10	45.57
Veedersburg	3.08	1.67	3.71	2.37	5.10	4.73	3.19	2.44	3.56	3.20	1.49	4.46	39.00
Vevay	4.89	3.47	4.10	3.70	3.21	5.20	2.12	4.24	1.70	0.53	2.63	6.56	42.35
Vincennes	3.19	2.35	5.74	4.02	6.66	5.22	4.70	7.76	2.61	3.72	2.45	7.71	56.13
Wabash	2.62	1.39	4.10	1.26	5.82	2.93	5.46	3.02	4.57	4.01	1.66	5.80	42.64
Washington	2.86	2.08	3.67	3.18	5.10	4.56	3.15	8.59	2.08	3.80	3.10	6.56	48.78
Wheatfield	1.07	1.69	3.61	1.53	6.93	2.13	1.45	6.19	4.41	3.25	2.06	4.61	38.93
Whitestown	2.61	1.32	4.84	2.00	7.61	5.03	5.21	3.98	4.47	2.89	1.72	4.76	46.44
Williams	2.71	2.77	3.48	2.41	4.80	1.30	4.20	5.92	0.93	4.20	2.92	7.21	42.85
Winamac	1.52	1.33	4.53	1.23	4.27	1.93	2.71	5.72	3.18	3.83	1.69	5.06	37.00
Winona Lake	1.88	2.77	3.72	1.99	4.41	2.59	4.42	3.46	2.76	4.42	1.44	5.20	39.06
Iowa													
Afton	0.37	0.24	3.68	3.15	2.59	4.48	1.38	6.50	5.54	1.60	0.63	0.36	30.52
Albia	0.53	0.39	3.51	0.72	1.97	5.78	0.89	3.34	3.52	2.14	1.65	0.74	25.18
Algona	0.92	0.80	2.25	2.47	2.79	5.13	0.46	7.04	10.97	0.71	0.00	1.09	34.63
Allison	0.80	0.35	2.95	1.94	1.21	5.16	1.82	7.60	5.49	0.74	0.19	0.71	28.96
Alta	0.78	0.38	1.63	2.49	6.55	6.85	1.44	4.28	6.20	1.99	0.27	0.73	33.59
Alton	0.60	0.07	1.42	3.57	3.51	4.38	2.07	4.47	8.53	0.81	0.30	0.62	30.35
Ames	0.62	0.32	2.02	2.35	2.49	5.29	0.69	8.42	6.50	0.68	0.27	0.28	29.93
Atlantic	------	T.	3.14	2.57	2.42	4.40	1.83	5.11	6.98	1.09	0.28	0.40	------
Audubon	0.97	0.18	3.85	2.69	2.41	5.32	1.50	7.28	6.08	0.66	0.24	0.61	31.79
Baxter	0.62	0.32	3.10	1.67	2.14	7.45	0.75	5.95	5.76	1.05	0.65	0.47	29.93
Belle Plaine	1.08	0.48	3.91	1.51	2.71	4.20	3.18	4.08	4.96	1.77	1.10	0.89	29.87
Belmond	1.01	0.47	2.31	2.36	2.49	4.34	1.44	4.99	5.83	0.62	0.23	0.72	26.81
Bonaparte	0.81	1.18	3.55	0.61	1.93	3.81	1.42	2.90	3.73	1.63	0.63	1.60	23.80
Boone	0.86	0.27	3.43	2.08	3.55	5.85	2.00	6.16	6.85	0.92	0.37	0.66	33.00
Britt	0.42	0.23	1.01	1.44	3.13	4.48	1.13	3.83	8.52	0.39	0.11	0.32	25.01
Burlington	1.29	0.66	4.65	1.31	5.62	3.75	2.05	2.17	3.60	1.13	1.11	1.43	28.77
Carroll	0.89	0.24	2.18	2.47	4.40	6.79	2.30	6.14	6.29	0.63	0.05	0.75	33.13
Cedar Rapids	1.05	0.30	3.61	1.45	------	4.40	1.35	4.32	8.47	------	------	------	------
Centerville	0.47	0.51	2.85	0.86	1.90	4.01	3.14	3.16	1.88	------	1.59	0.71	------
Chariton	0.35	0.26	1.56	1.64	1.86	3.19	1.70	5.17	3.31	1.10	0.78	0.44	21.36
Charles City	0.89	0.41	2.66	2.60	1.34	3.65	3.30	5.10	7.12	0.61	0.33	1.19	29.20
Cherokee	0.53	0.17	1.85	3.81	3.87	5.02	1.36	5.43	7.20	1.02	0.23	0.67	31.16
Clarinda	0.30	0.14	2.37	1.96	2.57	4.45	2.05	5.11	3.23	1.23	0.23	0.27	23.91
Clinton	0.77	0.32	4.47	1.29	2.22	4.52	2.39	1.46	4.05	1.67	1.14	1.95	26.25
Columbus Junction	0.91	1.71	3.39	1.49	4.79	6.33	0.35	2.47	8.12	1.30	1.01	1.19	33.06
Corning	0.15	0.25	2.06	2.66	2.47	6.63	1.06	6.83	4.74	1.89	0.71	T.	29.45
Corydon	0.36	0.55	3.23	2.13	1.54	4.41	3.98	3.86	2.68	1.70	0.80	0.69	25.93
Creston	0.33	0.21	3.46	2.22	2.61	4.97	2.41	5.50	4.59	1.72	0.55	0.26	28.83
Cumberland	0.22	0.00	1.89	2.39	2.11	4.09	1.50	6.47	5.28	0.59	0.30	0.06	24.92
Davenport (Weather Bureau)	0.97	0.64	5.05	0.59	3.60	6.03	1.76	1.61	4.53	1.18	1.02	1.52	28.50
Davenport (No. 2)	------	------	------	------	------	------	------	2.17	4.82	1.80	0.90	1.81	------
Decorah	0.70	0.70	2.48	2.92	1.15	2.70	3.56	3.59	6.44	0.85	0.49	1.24	26.82
Denison	1.33	0.24	1.69	2.55	4.69	5.13	1.04	7.52	4.02	1.21	0.11	0.45	29.98
Des Moines	0.88	0.36	4.34	1.76	4.78	4.95	0.78	5.34	5.17	1.10	0.55	0.61	30.62
Dubuque	0.63	0.40	2.93	1.48	1.86	3.66	1.67	4.77	5.04	1.07	1.19	0.92	25.62
Earlham	0.80	0.20	3.26	2.10	2.41	4.58	0.45	8.77	4.43	1.06	0.44	0.30	28.80
Estherville	0.75	------	0.81	2.58	2.36	5.40	0.93	4.75	5.55	1.08	0.20	0.20	------
Farifield	0.82	0.80	4.35	1.30	1.98	5.06	1.07	4.04	6.87	1.77	1.07	0.96	30.09
Fairport	0.73	0.69	4.51	1.04	2.30	4.70	1.27	2.20	5.94	1.76	1.21	2.08	28.43
Fayette	0.87	0.35	2.71	2.17	1.68	2.71	3.30	5.71	4.94	1.18	0.70	1.01	27.33
Forest City	0.88	0.65	1.20	1.54	2.24	3.31	0.84	2.81	7.12	3.67	0.15	0.27	24.68
Fort Dodge	1.15	0.43	3.22	2.72	2.84	4.18	0.66	6.95	7.55	1.03	0.16	0.92	31.81
Glanwood	0.30	T.	3.24	2.27	2.95	6.92	1.08	5.54	3.60	1.20	0.28	0.35	27.33
Greenfield	0.10	0.15	4.33	------	------	------	------	------	3.62	------	------	0.02	------
Grinnell	0.85	0.30	2.62	1.59	2.65	5.87	1.58	5.13	5.89	1.86	1.03	0.43	29.80
Grundy Center	0.65	0.20	2.37	1.59	2.44	4.81	1.12	13.14	4.70	0.90	0.58	1.78	34.28
Guthrie Center	2.34	0.27	3.87	2.41	3.43	5.89	0.68	6.16	5.26	0.81	0.34	0.64	32.10
Harlan	0.80	0.05	2.00	2.73	3.78	6.28	2.70	6.72	5.46	0.86	0.38	0.65	32.41
Humboldt	2.09	0.70	2.16	2.14	3.48	5.59	1.13	5.12	6.60	0.61	0.02	0.60	30.24
Independence	0.77	0.41	2.68	0.65	2.97	5.70	2.68	9.48	3.77	1.18	0.64	0.59	31.52
Indianola	0.64	0.46	2.93	1.78	3.69	4.18	0.82	5.77	3.33	1.47	0.44	0.62	26.13
Inwood	0.79	0.00	1.11	3.15	3.28	3.26	2.59	4.39	3.50	0.89	0.47	0.62	24.05
Iowa City	1.09	0.67	4.83	0.86	2.63	6.21	2.37	4.01	9.27	2.35	1.13	0.73	36.15
Iowa Falls	0.93	0.54	2.95	1.97	1.71	3.44	1.13	9.53	5.14	0.85	0.52	0.95	29.66
Jefferson	1.12	0.27	3.22	2.06	2.94	5.37	2.93	7.38	5.82	0.68	0.35	0.91	33.06
Keokuk	1.13	0.35	3.54	1.16	2.37	3.17	1.61	3.63	4.64	0.82	1.26	1.79	25.47
Keosauqua	1.06	0.78	4.20	0.47	2.01	5.33	2.69	3.38	4.74	1.47	0.89	1.69	28.71
Knoxville	0.86	0.53	4.39	1.50	3.26	5.07	2.35	6.48	6.77	2.00	1.17	0.38	34.76
Lacona	0.90	1.00	4.00	0.97	3.22	3.54	0.33	4.95	4.49	1.30	0.76	0.80	26.26
Lamoni	------	0.45	2.70	1.88	1.19	3.78	2.28	5.85	4.56	1.64	0.67	0.46	------
Lansing	------	------	5.86	2.31	2.03	7.08	1.34	3.28	4.49	0.78	------	------	------
Le Claire	------	------	0.84	1.04	3.21	6.92	0.86	2.44	3.61	1.62	------	------	------
Le Mars	0.57	0.10	2.60	3.22	5.52	5.89	2.09	5.62	7.35	0.71	0.25	0.28	32.74
Lenox	0.40	0.24	2.39	2.39	2.58	6.33	0.84	5.56	3.63	1.40	0.69	0.37	28.03
Little Sioux	0.93	0.12	2.19	4.26	2.88	4.63	1.86	6.28	------	0.71	0.30	0.75	------
Logan	0.86	0.20	2.35	3.17	4.23	7.53	1.57	7.28	7.60	1.16	0.12	0.66	36.55

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Iowa—Continued													
Marshalltown	1.23	0.45	3.57	2.24	2.21	6.56	1.99	4.86	3.40	1.18	0.67	0.57	28.93
Mason City	0.87	0.52	3.48	2.02	2.32	3.81	2.33	3.86	7.51	1.46	0.40	1.21	29.79
Milford (near)	0.89	0.33	1.80	1.94	2.88	4.64	1.50	5.36	4.76	1.28	0.17	0.45	26.00
Monroe	0.65	0.23	2.88	1.58	4.04	4.96	0.60	5.36	7.80	1.42	0.33	0.56	30.41
Mount Ayr	0.26	0.64	2.86	3.13	1.41	4.70	5.54	9.14	5.75	2.25	0.77	0.46	36.91
Mount Pleasant	1.18	0.69	4.37	1.11	1.07	4.45	0.51	3.60	2.70	1.58	0.85	2.22	24.33
Muscatine	1.06	1.14	4.95	1.36	2.58	3.95	1.37	1.65	6.71	2.68	0.96	1.54	29.95
New Hampton	1.00	0.65	2.50	2.23	1.64	5.20	2.84	6.87	5.79	0.62	0.43	1.34	31.11
Nora Springs	1.13	0.76	3.83	2.15	2.99	4.59	2.12	5.75	6.99	0.84	0.55	1.77	33.47
Northwood	0.87	0.65	2.20	1.90	2.79	4.73	2.54	5.80	10.80	0.83	0.30	1.05	34.46
Oakland	0.55	T.	2.60	1.89	3.20	6.77	1.82	5.71	3.86	0.80	0.87	T.	28.07
Oelwein	------	------	------	------	2.09	7.69	1.75	7.45	5.05	1.10	0.10	------	------
Olin	0.70	0.30	4.60	0.75	1.74	4.73	2.50	3.28	4.92	1.58	0.60	0.30	26.00
Onawa	0.95	T.	3.15	3.22	3.00	4.82	3.34	7.12	7.82	0.91	0.26	1.50	36.09
Oskaloosa	0.99	0.76	4.18	1.26	3.69	4.40	1.62	3.83	7.66	2.27	1.75	1.00	33.41
Ottumwa	------	0.62	4.11	1.12	3.05	4.38	0.91	4.36	3.71	2.24	1.84	1.03	------
Pella	0.79	0.68	4.34	1.31	4.48	5.26	1.49	4.99	10.15	1.77	1.26	0.56	37.08
Perry	0.74	0.17	2.40	1.78	3.71	4.36	1.12	5.71	4.74	0.60	0.24	0.32	25.89
Pocahontas	0.79	0.42	1.90	2.18	4.29	6.65	1.22	5.30	7.93	0.66	0.15	0.43	31.92
Postville	1.33	0.65	2.46	3.17	1.61	2.43	2.70	5.87	4.85	0.93	0.59	0.81	27.40
Rock Rapids	0.70	0.08	1.10	3.94	2.07	3.88	4.19	5.38	5.22	1.36	0.37	0.51	28.80
Rockwell City	1.45	0.35	3.10	2.29	3.41	4.12	1.68	7.78	4.80	0.29	0.35	1.25	30.87
Sac City	1.30	0.30	2.30	1.64	2.95	5.19	1.55	7.10	5.25	0.84	0.20	0.75	29.37
Sanborn	0.50	0.05	1.17	3.80	3.80	4.93	1.90	4.70	5.54	1.04	0.30	0.52	28.25
Sigourney	1.04	0.83	5.08	1.09	3.86	6.10	2.68	3.20	7.65	2.06	1.10	0.76	35.45
Sioux Center	0.85	0.05	1.50	3.81	2.37	4.54	3.05	4.20	------	0.61	0.33	0.60	------
Sioux City	0.81	0.08	1.74	3.36	3.81	5.14	2.93	7.63	7.36	0.59	0.32	0.73	34.50
Spencer	0.60	0.70	1.65	3.21	2.66	4.66	0.57	5.20	4.12	1.34	0.12	0.72	25.55
Stockport	1.18	0.84	3.86	0.99	1.79	4.16	0.92	2.82	4.03	1.56	0.94	1.86	24.95
Storm Lake	0.70	0.38	1.69	2.40	4.92	7.30	1.93	4.48	6.45	1.17	0.25	0.43	32.10
Thurman	T.	0.13	2.52	2.64	2.95	4.40	1.09	9.05	3.59	0.85	0.07	0.48	27.77
Tipton	2.18	0.63	4.36	1.12	2.04	3.39	0.83	3.39	6.84	1.65	1.02	0.70	28.15
Toledo	1.19	0.43	3.48	2.25	1.94	4.82	1.62	7.88	6.14	1.35	0.91	0.60	32.61
Van Meter	------	------	------	1.63	3.53	3.50	1.36	4.78	4.34	0.85	0.10	------	------
Washington	0.98	0.62	4.28	1.06	4.24	7.13	0.29	2.63	12.14	1.80	0.99	1.31	37.47
Washta	0.78	0.15	2.00	3.62	3.04	7.67	1.57	6.99	4.98	0.88	0.21	0.52	32.41
Waterloo	0.64	0.25	3.24	1.46	2.23	4.79	1.27	9.94	6.67	1.51	0.53	0.78	33.31
Waukee	0.98	0.45	2.80	2.00	4.42	4.48	1.07	6.90	4.64	1.00	0.48	0.46	29.68
Waverly	1.45	0.10	3.02	2.39	1.20	4.31	4.52	6.70	5.84	0.97	0.53	1.04	32.07
Webster City	1.30	0.40	2.20	2.45	1.63	3.66	0.46	6.49	------	------	------	0.27	------
Wescott (near)	1.18	0.71	5.00	1.36	3.01	3.41	1.41	2.87	4.55	0.99	1.71	2.25	28.45
West Bend	0.69	0.58	0.71	2.15	3.45	6.23	1.78	5.55	7.98	0.62	0.27	0.30	30.31
Williamsburg	0.86	0.38	3.85	1.07	2.40	4.82	2.37	4.00	6.43	2.04	1.48	0.90	30.60
Winterset	0.56	0.25	3.18	1.81	2.20	4.04	0.29	6.36	4.38	1.31	0.42	0.50	25.30
Kansas													
Abilene	0.02	0.14	1.37	2.83	2.76	5.07	5.23	1.80	2.08	2.96	0.88	0.35	25.49
Alden	T.	0.02	1.45	1.39	8.34	5.20	0.65	1.01	4.75	4.12	0.71	0.50	28.14
Alton (near)	T.	0.45	0.75	2.13	5.74	5.65	1.74	2.26	3.59	2.72	0.22	0.58	25.83
Anthony	T.	T.	1.40	3.16	8.84	10.55	0.61	0.28	5.70	6.03	2.28	1.07	39.92
Arkansas City	0.04	0.15	2.33	2.99	6.69	10.47	1.35	0.80	7.35	6.58	0.99	1.57	41.31
Ashland	0.00	T.	0.80	0.70	6.83	3.87	1.72	1.62	3.94	7.02	1.15	0.39	28.04
Atchison	0.13	0.18	2.71	1.92	2.98	3.84	3.89	2.95	4.47	3.09	0.58	0.35	27.09
Atwood	T.	0.09	0.51	2.28	9.18	4.80	6.52	1.55	2.03	2.32	0.05	0.36	29.68
Augusta	------	------	------	------	------	------	------	1.55	4.54	5.74	1.85	0.89	------
Bazaar	0.01	0.07	1.98	2.33	6.05	8.63	2.78	1.67	3.52	4.19	1.24	0.75	33.22
Beaver	T.	0.04	1.04	1.86	5.18	6.74	0.14	2.53	2.80	3.27	0.55	0.58	24.73
Beloit	T.	0.36	1.25	2.43	7.12	5.20	1.40	4.30	5.20	1.95	0.63	0.30	30.23
Bird City (near)	0.00	0.10	0.35	2.04	7.41	3.66	5.36	2.16	0.48	2.66	0.10	0.52	24.84
Bison (near)	------	------	0.66	2.48	3.48	6.30	1.47	2.70	1.92	2.63	0.46	0.32	------
Blue Rapids	0.09	0.32	1.87	3.10	3.02	7.10	4.30	4.26	4.82	1.79	0.44	0.26	31.39
Bucklin	T.	T.	0.29	1.36	5.98	4.96	2.21	0.40	4.73	5.20	0.80	0.41	26.34
Burlington	0.28	0.15	2.70	2.33	4.63	8.06	4.30	2.28	4.23	5.53	1.85	1.04	37.58
Burr Oak (near)	0.04	0.08	1.79	2.43	5.31	8.09	1.09	3.32	3.81	1.35	0.52	0.50	28.33
Carbondale	0.02	0.23	2.24	3.90	5.37	4.81	4.04	2.51	4.99	5.09	1.09	0.36	34.65
Cawker City	T.	0.67	1.35	2.53	8.32	4.92	1.87	3.59	5.39	2.26	0.47	0.27	31.64
Centralia	0.08	0.10	2.30	1.57	3.61	4.87	3.01	2.85	------	2.15	0.37	0.37	------
Chanute	1.24	0.20	3.14	3.53	4.40	4.51	4.07	2.02	6.58	6.83	2.58	1.54	40.64
Chapman	T.	0.08	1.40	3.37	3.31	4.95	5.80	2.69	1.31	2.17	0.68	0.10	25.86
Cheney	------	------	------	------	------	------	------	0.92	------	5.34	0.70	0.37	------
Cimarron	------	0.10	0.33	2.61	7.18	4.40	2.51	0.96	4.97	4.65	0.36	0.36	------
Clay Center	T.	0.69	1.64	2.22	5.15	8.46	5.74	2.88	3.01	2.00	0.75	0.16	32.64
Clyde	0.01	0.29	2.12	3.90	4.41	9.30	4.10	4.52	2.36	2.41	0.83	0.41	34.66
Colby	0.02	0.11	0.83	3.16	6.44	3.45	3.50	3.86	1.97	3.30	0.12	0.77	27.54
Coldwater	0.00	T.	0.90	1.66	6.94	6.93	0.86	0.43	4.50	7.09	0.85	0.62	30.78
Columbus	1.91	1.16	3.26	3.23	5.41	11.43	0.66	2.17	6.03	6.71	3.09	3.61	48.67
Concordia	0.01	0.38	1.32	3.20	5.48	7.32	4.48	2.75	2.94	1.75	0.61	0.17	30.41
Council Grove	T.	0.10	1.27	2.56	4.17	7.40	7.91	2.40	1.94	2.68	0.99	0.33	31.75
Deerfield (near)	T.	T.	0.33	3.16	7.51	8.77	7.01	3.83	4.57	3.49	0.12	0.89	34.68
Dodge City	0.03	0.03	0.71	2.13	7.74	2.96	1.95	1.46	2.50	3.82	0.53	0.48	24.34
Dresden	0.01	0.20	0.72	3.12	8.33	4.85	7.61	2.70	5.10	4.65	0.25	0.24	37.78
El Dorado	0.11	0.02	1.99	3.32	5.49	6.71	4.29	1.36	4.14	5.52	2.02	0.61	35.58
Elkhart	T.	0.45	0.55	0.70	4.44	4.29	1.64	0.90	7.20	4.72	1.17	1.15	27.21
Ellinwood	T.	0.20	1.08	1.97	5.04	5.26	1.12	2.85	5.58	5.81	0.91	0.77	30.89
Ellsworth	T.	0.20	1.42	3.32	6.90	5.08	0.99	4.93	2.50	3.71	0.63	0.39	30.07
Emmett	0.03	0.41	1.92	2.32	3.03	4.92	3.71	2.63	4.89	2.26	0.66	0.24	27.02
Emporia	0.05	0.04	2.31	2.73	6.87	8.51	4.64	1.97	3.40	5.32	1.26	0.85	37.97
Eskridge	0.00	0.25	1.77	2.12	5.01	5.75	3.75	3.66	2.10	2.15	1.03	0.40	27.99
Eureka	0.25	T.	1.87	2.71	3.19	8.95	3.13	0.92	4.81	4.10	1.45	0.38	31.76
Fort Riley	0.07	0.32	1.86	2.12	3.70	6.06	5.72	2.32	4.06	3.74	1.16	0.46	32.45
Fort Scott	1.49	0.64	4.05	2.49	3.95	8.34	3.40	1.39	7.97	5.42	2.81	2.65	44.60
Fredonia	1.19	0.46	3.12	2.80	5.09	5.86	1.01	0.95	4.77	7.83	2.39	1.56	37.03
Garden City	0.00	T.	0.49	2.55	8.49	5.34	4.36	2.83	5.63	3.29	0.34	0.49	34.81
Garnett	0.44	0.07	3.46	2.43	4.80	5.97	1.82	2.10	5.75	5.43	1.73	0.91	34.91
Goodland	T.	0.24	0.77	1.96	8.09	4.82	3.16	5.06	0.65	2.86	0.20	0.80	28.20
Gove	0.05	0.19	1.04	3.23	6.35	3.88	2.63	4.50	2.66	3.23	0.31	0.63	26.72

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Kansas—Continued													
Great Bend												0.52	
Greensburg	0.00	T.	0.88	1.34	8.92	6.00	1.65	0.51	5.37	4.50	0.93	0.56	30.66
Grenola	0.47	0.36	2.53	3.10	5.89	6.63	0.44	0.73	8.37	6.90	1.26	0.82	37.30
Heddam	0.05	0.10	1.49	2.01	4.81	10.00	2.75	5.62	4.72	1.04	0.60	0.50	33.69
Hanover	T.	0.03	2.47	4.24	4.87	5.54	4.22	3.15	5.37	1.61	0.40	0.43	32.33
Hays	T.	0.10	1.04	1.63	3.97	5.96	0.70	4.15	4.52	4.37	0.29	0.37	27.10
Healy	0.01	0.04	0.70	3.02	8.27	6.76	2.15	7.76	2.43	4.95	0.09	0.53	36.71
Herrington	T.	0.05	1.25	2.17	4.85	5.82	2.87	1.45	2.77	3.54	1.22	0.26	26.25
Hesston			1.21	3.96	4.02	9.96	1.21	1.47	11.57	3.97	1.14	0.15	
Hill City	0.03	0.13	0.98	3.48	4.87	9.02	3.54	4.74	2.56	2.38	0.21	0.38	32.32
Holton	0.14	0.52	3.31	2.43	4.28	4.35	5.27	3.27	8.28	3.59	0.85	0.23	36.52
Horton (near)	0.06	0.20	2.78	2.35	3.73	3.97	2.87	2.94	4.04	3.67	0.52	0.14	27.27
Hoxie	0.05	0.10	0.75	3.37	9.98	4.30	3.37	2.98	4.36	3.65	0.22	0.50	33.63
Hudson	T.	0.03	0.86	0.66	6.61	2.70	0.78	0.22	4.32	4.42	0.67	0.50	21.77
Hugoton	T.	0.09	0.12	0.15	4.39	5.11	4.25	1.12	3.99	5.67	0.97	0.61	26.47
Hutchinson	0.01	0.01	1.26	3.38	6.17	7.91	0.78	0.81	3.90	4.20	0.92	0.43	29.78
Independence	1.08	0.54	3.27	2.73	4.97	8.32	1.39	0.53	7.13	7.19	2.14	2.26	41.55
Iola	1.16	0.43	3.69	2.66	5.33	5.35	2.64	3.39	4.23	7.42	1.59	1.14	39.03
Irene	T.	0.01	0.52	1.86	3.28	3.52	2.92	2.43	1.82	3.11	0.47	0.45	20.39
Jetmore	T.	0.00	0.45	2.42	7.36	4.17	1.55	3.05	2.86	3.28	0.47	0.61	26.22
Johnson	T.	0.08	0.94	1.04	7.13	4.15	2.86	0.77	2.73	4.61	0.47	0.20	24.98
Kismet (near)	0.00	T.	0.67	0.71	8.98	4.11	3.40	0.35	3.11	5.22	0.68	0.90	28.13
Lakin	0.00	T.	0.50	2.17	6.92	2.91	2.38	3.37	1.83	3.32	0.35	0.54	24.29
Larned	0.00	T.	0.67	1.55	7.79	5.19	1.87	2.17	3.77	5.93	0.81	0.36	30.11
Lawrence	0.03	0.14	2.75	3.10	4.13	7.05	5.66	2.10	5.61	5.07	1.27	1.09	38.00
Leavenworth	0.19	0.17	2.83	3.09	2.94	4.71	4.37	4.42	4.85	2.97	0.89	0.63	32.06
Lebo	0.14	0.16	2.38	2.13	5.12	5.94	3.41	1.27	4.62	5.31	1.09	0.59	32.26
Leoti	T.	T.	0.45	2.41	5.08	4.46	4.62		2.68	4.13	0.50	1.05	
Le Roy	0.50	0.11	2.51	2.93	4.39	7.53	3.13	2.80	4.45	6.56	1.85	0.50	37.26
Liberal	0.00	0.06	0.29	0.80	6.83	3.38	2.76	1.07	2.25	6.37	0.94	0.74	25.49
Lincoln	T.	0.50	1.40	2.37	6.23	4.91	1.40	1.77	3.32	2.15	0.82	0.55	25.42
Lindsborg	0.00	0.19	1.12	2.41	9.30	9.07	2.93	0.78	3.23				
McFarland	0.00	0.20	1.65	2.88	5.42	6.09	10.12	3.01	1.24	2.95	1.27	0.13	34.96
McPherson	0.00	0.06	1.34	2.59	6.53	8.27	2.17	0.60	4.52	3.55	0.59	0.36	30.58
Macksville	T.	T.	0.79	0.85	6.20	5.95	1.47	0.51	2.65	4.44	0.64	0.44	23.94
Manhattan	0.01	0.36	1.69	2.67	3.07	6.64	8.31	1.83	1.00	2.76	1.08	0.26	29.68
Marion	T.	0.05	1.91	4.08	5.15	8.31	6.06	3.24	3.20	4.48	1.40	0.20	38.08
Medicine Lodge	T.	0.17	1.49	2.24	8.91	6.15	1.91	0.22	13.36	6.53	1.12	0.41	42.51
Medora	0.00	0.04	1.62	2.54	9.92	7.92	0.74	1.61	4.00	3.73	1.16	0.33	33.61
Minneapolis	T.	0.27	1.74	3.07	4.96	7.36	3.27	2.19	2.98	2.58	0.75	0.14	29.31
Minneola	T.	T.	0.75	1.20	5.26	4.33	2.11	0.65	3.71	4.28	0.74	0.50	23.53
Mount Hope	T.	T.	1.11	4.51	7.61	8.53	0.28	1.05	3.09	4.02	1.43		
Neosho Rapids	0.00	0.15	2.51	2.42	5.77	6.34	3.21	1.63	3.88	5.60	2.26	1.05	34.82
Ness City (near)	0.04	0.04		2.30	8.12	5.35	2.82	4.26	2.70	3.17	0.45	0.46	
Newton	T.	0.07	1.42	4.68	5.64	9.68	2.29	0.95	10.02	6.60	1.22	0.20	42.77
Norton (near)	0.20	0.30	0.75	2.75	5.96	8.61	2.38	3.16	1.71	4.35	0.15	0.50	30.82
Norwich	T.	0.01	1.50	2.84	7.13	11.70	0.75	0.06	12.06	5.84	1.06	0.60	43.55
Oakley	T.	0.15	0.70	2.91	6.88	5.60	6.76	5.05	2.45	2.46	0.13	0.20	33.29
Oberlin	0.03	0.12	0.37	3.12	8.47	5.69	6.71	3.85	2.47	3.33	0.08	0.14	34.38
Oketo	0.11	0.14	1.77	4.18	5.24	7.03	1.53	3.96	4.20	1.97	0.21	0.33	30.67
Olathe	0.08	0.23	2.80	3.11	3.54	6.59	6.12	1.70	5.27	5.57	1.77	0.90	37.68
Osage City	0.00	0.09	2.04	2.59	7.17	5.60	5.00		2.90	5.86	0.84	1.09	
Oswego	1.17	0.85	3.82	3.29	4.79	5.77	0.70	0.28	6.82	5.76	2.43	3.20	38.88
Ottawa	0.22	0.65	2.65	3.20	3.41	5.69	2.20	3.19	5.18	6.59	1.38	0.93	35.29
Overbrook (near)	0.02	0.17	2.70	5.06	4.68	7.48	3.83	4.45	6.89	4.18	1.19	1.31	41.96
Paola	0.47	0.21	3.64	4.48	3.40	7.59	2.82	2.46	7.03	5.93	1.68	1.24	40.95
Phillipsburg	T.	0.16	1.31	3.40	7.86	4.94	1.32	1.85	4.99		0.36	0.54	
Pittsburg	1.99	0.70	4.76	2.63	6.85	6.67	4.66	0.48	9.31	5.82	2.28	3.24	49.39
Plains	0.00	0.00	0.38	1.35	6.13	3.81	0.99	0.51	2.36	9.44	0.75		
Plainville	0.05	0.25	0.93	3.05	5.69	6.38	3.61	2.85	3.98	3.31	0.28	0.73	31.11
Pleasanton	1.35	0.64	3.75	2.86	3.85	8.68	4.00	1.29	7.51	5.71	2.16	1.87	43.67
Pomona (near)	0.09	0.28	2.50	2.89	5.79	8.31	3.28	3.71	4.91	4.70	1.34	1.04	38.84
Pratt	0.00	0.00	0.80	1.96	5.40	4.82	3.01	0.29	2.64	4.83	1.03	0.65	25.43
Quenemo	0.19	0.13	3.06	2.21	4.56	5.50	4.33	3.18	5.69	6.51	1.38	0.96	37.70
Randolph	0.03	0.98	1.92	2.35	3.80	6.74	4.72	2.13	2.46	1.98	0.77	0.24	28.12
Reading	0.09	0.09	2.65	2.67	6.24	7.26	4.10	2.33	3.08	6.33	0.93	1.40	37.17
Republic	0.10	0.05	1.00	2.13	3.57	9.18	1.24	4.30	4.31	0.55	0.74	0.26	27.43
Richfield	T.	0.60	0.80	0.64	3.03	4.98	1.57	0.67	1.55	4.57	0.64	0.87	19.92
Russell	T.	0.21	1.07	1.57	5.32	6.41	2.31	5.84	4.14	3.17	0.41	0.45	30.90
St. Francis	0.02	0.09	0.65	2.00	11.31	3.82	5.62	3.76	0.74	4.48	0.08	0.63	33.20
Salina	T.	0.40	1.15	1.81	6.33	6.76	1.88	1.98	2.22	3.27	0.61	0.30	26.71
Scott City	0.02	0.09	0.69	2.76	6.38	4.95	7.46	6.63	2.57	5.39	0.30	0.69	37.93
Sedan	0.62	0.47	3.15	2.88	4.52	4.61	1.77	0.54	7.69	6.04	1.92	1.38	35.59
Sedgwick	T.	T.	1.10	4.81	4.72	10.58	1.65	0.65	7.48	4.64	1.07	0.30	37.00
Sharon Springs				1.42	4.78	4.09	2.93	4.77	2.12	2.84	0.38	0.90	
Smith Center	T.	0.06	1.75	2.65	7.90	6.14	1.90	2.69	3.10	2.31	0.78	0.58	29.86
Solomon	T.	0.15	0.92	2.67	4.26	6.88	4.14	2.66	2.44	2.37	0.82	0.39	27.70
Sublette	T.	0.05	0.98	1.51	7.43	4.66	1.55	0.50	4.36	4.86	0.72	0.62	27.24
Syracuse	0.00	0.03	0.28	2.62	5.11	5.28	2.85	5.10	2.92	4.16	0.42	0.73	29.50
Topeka	0.07	0.24	2.19	2.20	5.02	5.62	2.89	4.78	2.43	2.92	0.81	0.55	29.72
Toronto	0.07	0.42	2.90	2.63	4.03	7.44	1.88	2.16	5.14	6.67	2.03	0.59	36.56
Tribune	T.	0.25	0.50	1.72	2.86	5.14	4.11	3.56	3.90	5.35	0.45	1.16	29.00
Trousdale	0.00	T.	0.69	0.88	6.62	4.47	0.85	0.87	3.24	4.85	0.68	0.54	23.69
Ulysses	T.	T.	0.02	1.26	6.24	3.67	1.43	0.93	5.32	2.88	0.68	0.22	22.65
Valley Falls (near)	0.04	0.37	2.05	2.25	3.16	4.52	5.56		5.07	4.51	0.98	0.33	
Vinland	0.11	0.31	2.99	4.74	4.68	5.52	3.99	3.25	5.50	5.33	1.65	1.03	39.10
Wakeeney	T.	0.05	0.88	3.06	6.23	7.30	1.95	4.25	3.46	4.52	0.29	0.54	32.53
Walnut	1.20	0.52	5.48	2.47	4.14	5.23	3.33	0.48	5.24	8.76	2.67	1.72	41.24
Wamego	0.02	0.45	1.65	2.18	2.88	6.99	7.92	3.13	2.28	2.92	0.78	0.11	31.31
Wellington	T.	0.20	1.80	4.06	10.55	8.32	1.25	0.44	6.25	5.66	1.16	1.14	40.83
Wheaton	T.	0.76	2.13	1.46	2.88	4.98	5.23	2.76	2.30	1.59	1.11	0.53	25.73
Wichita (Weather Bureau)	0.02	T.	1.70	1.64	5.47	14.43	0.89	0.42	3.26	5.52	1.26	0.67	35.28
Wichita (Evaporation Station)				1.83	6.13	12.86	0.62	0.21	4.27	5.91			
Winfield	0.17	0.10	2.55	2.30	5.08	6.96	1.62	1.14	7.07	6.36	1.72	0.97	36.05
Yates Center (near)	0.55	0.22	2.48	2.41	3.82	6.93	2.77	1.08	4.37	6.09	1.89	0.44	33.95

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Kentucky													
Anchorage	5.34	3.60	4.75	3.91	2.86	5.35	7.79	2.17	3.31	0.99	3.34	5.39	48.80
Ashland	5.57	5.06	4.05	4.65	3.39	3.25	3.63	5.12	2.58	1.58	3.39	8.40	50.67
Bardstown	6.34	5.69	5.07	5.38	4.41	4.31	3.19	4.14	1.52	0.40	3.06	6.66	50.17
Beattyville	5.36	4.03	5.05	3.01	1.92	5.32	7.04	4.63	3.15	1.08	4.56	6.21	51.36
Beaver Dam	5.31	3.18	4.85	3.77	2.89	3.44	1.30	7.55	2.46	2.95	4.10	9.20	51.00
Berea	6.93	3.90	5.07	3.30	3.50	7.65	4.87	4.42	3.95	0.95	2.96	5.53	53.03
Blandville	7.07	4.29	5.64	5.44	9.28	3.65	2.16	7.09	4.30	2.52	4.66	5.50	61.60
Bowling Green	8.94	6.03	7.50	5.49	4.21	4.16	2.62	8.73	2.64	1.69	3.97	6.52	62.50
Brownsville	7.89	7.38	7.49	5.43	4.65	3.77	3.37	11.01	3.14	1.69	3.89	6.58	66.29
Burnside	6.41	6.80	6.15	3.46	6.95	2.22	6.75	5.15	2.38	0.84	3.26	8.18	58.55
Calhoun	7.23	3.98	4.78	4.16	3.71	6.98	0.72	12.77	3.89	4.18	4.30	6.86	63.56
Carrollton	5.05	3.34	3.45	3.88	4.08	6.61	2.36	5.12	1.41	0.65	3.19	5.75	44.89
Cloverport	4.68	5.72	4.16	4.07	3.07	5.13	2.63	5.87	1.64	2.71	4.51	5.85	50.04
Cynthiana	5.30	4.95	4.80	6.60	1.45	2.10	2.10	6.50	1.20	0.77	3.04	6.30	45.11
Dix Dam	------	------	------	------	------	------	------	------	------	------	------	5.84	------
Earlington	7.46	6.79	5.71	4.75	3.37	7.14	1.67	10.85	4.04	4.34	5.88	7.92	69.92
Eubank	5.76	3.65	5.17	4.22	5.96	2.46	3.24	6.06	3.68	0.44	3.29	5.14	49.07
Falmouth	4.74	3.38	3.46	6.35	2.44	2.41	1.63	6.73	1.24	0.87	2.82	5.75	41.82
Farmers	3.99	3.82	4.01	5.06	2.03	3.01	3.64	3.66	2.80	1.28	2.77	7.40	43.47
Frankfort	4.99	5.58	4.16	6.13	1.49	3.34	2.48	4.75	2.70	0.29	2.92	5.36	44.19
Franklin	6.64	------	------	------	------	------	------	------	------	------	------	4.80	------
Glasgow	7.14	5.28	7.39	3.77	3.54	4.45	2.19	6.64	1.98	0.82	2.85	6.74	52.79
Greensburg	6.88	5.80	7.17	4.93	3.03	2.84	2.99	4.90	2.84	0.31	3.44	6.60	51.73
Greenville	6.69	4.83	5.71	5.63	4.38	6.60	0.66	9.58	3.51	4.54	5.12	8.86	66.11
Henderson	5.00	4.97	4.48	4.29	5.48	5.07	1.98	5.33	2.08	3.78	5.58	5.37	53.41
High Bridge	5.55	4.89	4.58	4.14	2.42	5.25	4.53	3.65	1.91	0.43	2.76	7.34	47.45
Hopkinsville	7.89	5.52	8.02	5.57	4.30	8.40	3.34	10.89	3.73	3.41	4.47	8.64	74.18
Irvington	6.61	5.04	5.38	4.14	4.27	3.56	1.84	4.57	2.33	1.84	3.90	5.93	49.41
Jackson	6.26	3.93	7.10	2.96	3.58	8.98	5.16	5.47	2.31	1.18	3.26	8.66	58.85
Junction City	6.83	7.50	7.19	5.80	7.57	5.39	5.30	6.48	3.52	0.39	4.03	9.73	69.73
Leitchfield	6.82	4.24	6.40	4.54	3.84	6.88	3.35	8.84	2.79	2.36	3.75	6.49	60.30
Lexington	6.63	4.40	4.65	5.43	1.66	3.55	5.01	4.02	1.51	0.56	2.71	6.50	46.63
Louisa	4.77	3.76	3.94	------	2.55	3.13	6.24	2.89	3.71	1.56	2.69	8.00	------
Louisville (Weather Bureau)	5.65	3.65	4.18	4.53	4.68	6.28	4.05	2.29	3.61	1.06	3.02	5.91	48.91
Louisville (No. 2)	5.58	4.08	4.67	4.70	5.07	6.67	5.09	2.37	4.61	1.10	3.53	5.98	53.45
Marion	7.13	3.12	2.70	5.29	8.88	2.45	0.21	9.34	4.11	3.27	5.01	5.89	57.40
Mayfield	8.60	3.73	5.32	5.27	6.57	3.43	2.88	6.66	4.38	2.44	------	8.75	------
Maysville	4.98	4.66	4.48	5.91	2.44	4.52	4.89	6.89	4.14	1.66	3.21	6.87	54.65
Middlesboro	6.83	4.74	7.83	4.46	4.12	4.01	4.09	5.73	1.72	0.61	4.06	6.48	54.68
Mount Sterling	6.25	4.25	4.59	6.32	2.58	3.28	5.28	5.71	2.92	1.41	3.67	8.98	55.24
Oliver	4.60	5.25	4.04	5.23	2.25	3.71	6.49	4.31	2.29	1.34	3.29	6.78	49.58
Oneonta	4.93	2.93	4.23	5.03	2.52	5.64	3.36	8.28	1.19	0.88	2.86	6.99	48.84
Owensboro	6.10	5.12	3.28	4.18	6.04	6.99	2.40	9.05	3.50	4.97	4.88	4.89	61.40
Paducah	6.54	3.76	5.06	5.54	7.30	2.60	1.67	7.35	5.34	2.66	4.72	5.31	57.85
Paducah (near)	7.30	4.10	4.95	6.25	9.55	2.77	1.25	8.95	4.40	2.75	5.40	6.65	64.32
Pikeville	4.08	3.36	4.02	3.18	2.58	5.96	4.48	5.70	2.08	2.06	2.60	4.06	44.16
Pilcher	4.87	6.75	4.45	5.88	4.46	3.93	5.27	3.33	3.77	1.48	3.90	5.54	53.63
Princeton	7.92	3.75	5.52	4.82	3.33	3.38	2.18	6.54	5.24	3.38	4.94	5.98	56.98
Richmond	4.78	3.98	4.87	4.00	2.43	4.89	4.08	3.67	2.82	0.65	4.05	6.86	47.06
Russellville	7.13	5.39	7.61	3.56	3.50	4.36	4.32	7.99	2.04	3.08	3.03	4.28	56.29
St. John	5.93	4.86	5.83	5.28	4.68	6.16	4.52	5.18	3.12	1.41	3.28	7.45	57.70
Scott	5.61	2.56	4.66	4.59	2.39	6.02	2.13	7.12	0.60	0.69	1.92	7.50	45.79
Sergent	------	------	------	------	------	4.12	3.78	3.69	2.98	1.80	2.14	6.18	------
Shelbyville	6.96	5.11	6.92	6.42	2.82	3.89	6.92	3.44	2.08	0.36	3.06	5.95	53.93
Taylorsville	6.40	5.28	4.92	6.79	2.70	3.35	5.67	2.78	1.55	0.56	3.73	6.12	49.85
Vanceburg	5.01	5.67	4.57	5.35	2.60	4.09	4.60	4.79	2.94	1.51	3.08	7.66	51.87
Williamsburg	5.35	4.51	7.02	3.82	4.21	4.24	5.70	4.56	4.56	0.50	3.16	5.29	52.63
Williamstown	5.79	2.78	4.29	6.67	2.20	3.32	1.42	3.78	1.45	0.61	3.06	6.26	41.63
Woodbury	5.94	6.55	7.76	5.33	4.98	4.93	1.91	8.41	2.02	2.15	4.26	6.56	61.10
Louisiana													
Abbeville	3.83	2.67	5.88	2.63	10.41	9.55	6.88	6.15	7.64	2.73	6.07	3.02	69.46
Alexandria	5.09	9.72	11.89	12.97	6.54	5.16	6.82	2.36	2.64	3.65	6.21	14.96	88.60
Amite	4.33	5.55	6.40	6.84	12.44	9.65	13.56	4.65	3.81	1.77	6.16	11.42	86.89
Angola	1.15	3.24	7.90	9.69	9.05	5.21	5.58	7.12	4.60	1.05	5.77	8.27	68.68
Avoca Island	3.27	1.74	3.77	2.24	5.45	7.05	14.30	8.22	6.64	2.67	9.77	2.22	67.34
Bastrop	4.50	6.74	5.34	9.05	6.43	5.03	3.16	1.22	4.23	3.97	4.85	9.01	63.53
Baton Rouge	3.45	5.28	6.99	3.82	6.25	7.45	4.34	4.42	3.13	3.29	5.02	9.89	63.33
Burrwood	3.35	5.89	6.05	3.28	5.87	4.57	12.74	7.72	2.72	10.88	4.07	3.36	70.50
Calhoun	4.70	8.38	4.79	9.13	8.95	6.01	3.18	3.59	------	4.69	6.69	6.71	------
Cheneyville	3.40	9.55	7.85	6.71	6.17	4.96	9.18	4.07	4.86	1.83	4.03	8.56	71.17
Clinclare	3.25	5.99	6.30	2.96	6.70	10.03	6.24	6.09	2.56	3.47	6.70	8.98	69.27
Clinton	3.44	4.69	7.27	7.63	18.32	7.46	5.40	7.70	3.27	1.54	5.58	7.67	79.97
Covington	3.17	4.57	3.92	4.32	12.89	7.02	11.85	10.09	2.34	4.64	8.54	8.43	81.83
Delta Farms	3.48	1.02	5.24	3.46	6.15	3.73	11.53	6.11	5.74	4.06	4.72	2.21	57.45
Dodson	6.83	10.30	6.41	7.31	8.46	7.78	6.28	1.39	3.37	9.11	5.35	6.88	79.47
Donaldsonville	3.36	2.86	4.61	3.55	6.59	6.06	11.53	6.28	5.03	1.77	7.78	5.07	64.49
Farmerville	------	------	------	6.71	5.70	6.61	5.03	4.89	------	------	------	------	------
Franklin	2.56	2.62	4.88	2.14	7.81	9.36	8.57	8.93	3.77	1.66	6.56	2.94	66.80
Franklinton	3.60	5.20	5.53	6.10	11.90	3.00	7.30	7.20	2.35	2.90	7.90	10.75	73.73
Grand Cane	3.69	8.41	3.80	8.15	4.10	4.51	3.60	1.13	9.76	5.85	4.66	6.48	64.14
Grand Chenier	------	------	------	------	------	------	------	7.54	9.90	2.05	------	9.09	------
Grand Coteau	3.42	6.86	7.94	5.08	9.30	7.27	7.55	9.09	8.60	2.35	5.15	11.18	84.89
Hammond	3.42	4.41	3.98	3.28	9.57	7.04	9.41	11.03	4.41	1.89	8.32	6.42	73.13
Homeplace	4.90	5.37	7.16	4.36	8.53	8.28	11.63	10.45	6.77	6.78	4.60	3.14	82.86
Houma	2.42	1.77	4.44	4.23	6.49	11.81	7.40	9.63	6.12	2.89	14.60	2.13	74.02
Jeanerette	3.54	1.35	6.46	3.68	9.91	9.03	8.64	6.74	7.21	2.16	------	4.15	------
Jennings	5.14	5.06	6.33	5.98	8.63	8.56	3.60	4.40	8.08	2.15	5.58	9.03	72.50
Kelly (near)	5.78	10.36	10.07	8.03	9.24	2.85	4.46	------	------	3.59	4.80	14.12	------
La Fayette	3.99	6.71	8.02	3.90	9.24	6.35	4.81	7.58	8.09	1.74	6.79	7.31	74.53
Lake Charles	4.68	8.40	7.11	6.91	9.24	6.05	3.70	7.17	6.50	2.44	4.53	12.67	70.60
Lakeside	12.94	------	------	------	------	------	------	------	------	------	------	------	------
Logansport	5.33	10.72	4.53	9.94	6.52	4.04	3.53	1.20	9.53	4.98	7.41	10.70	78.43
Ludington	3.31	6.67	7.80	10.08	9.48	10.22	4.25	5.86	3.97	4.53	6.91	10.43	83.56
Melville	2.31	6.10	8.13	9.69	8.67	10.87	4.24	7.04	6.92	1.89	5.78	9.88	81.47
Minden	5.31	8.08	4.27	5.69	5.44	2.98	4.85	1.06	8.44	4.01	4.75	8.11	63.99

Monthly and annual precipitation inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
***Louisiana*—Continued**													
Monroe	6.17	8.36	5.32	9.51	10.44	5.80	2.13	1.22	6.62	5.83	4.13	12.14	77.67
Morgan City	4.08	1.63	3.48	1.60	5.97	6.57	12.69	6.79	5.20	1.82	10.54	2.29	62.66
Natchitoches	4.74	10.72	8.74	7.00	6.05	4.07	2.60	1.11	4.17	7.04	5.94	7.99	70.17
Newellton	4.60	8.38	9.76	11.64	6.15	2.38	5.51	2.60	2.39	1.70	4.29	8.75	68.15
New Iberia	3.35	1.73	6.31	3.76	7.43	12.12	7.09	6.13	6.27	1.80	9.73	4.57	70.29
New Orleans (Weather Bureau)	5.26	2.33	4.56	4.48	9.10	5.38	8.72	7.60	2.63	2.25	4.94	4.37	61.62
New Orleans (No. 2)	3.05	2.02	4.73	4.20	9.39	5.17	13.76	8.27	1.38	3.08	5.03	3.61	83.69
New Orleans (No. 3)	3.03	2.34	4.44	3.67	9.25	7.62	8.73	8.43	4.39	2.35	5.37	3.33	62.95
New Orleans (No. 5)	3.35	2.07	4.43	4.13	9.41	5.81	12.80	7.72	2.30	2.68	5.21	4.04	63.95
New Orleans (No. 6)	4.63	2.37	4.44	4.51	9.09	5.12	8.27	7.21	2.27	2.61	5.21	4.23	59.96
New Orleans (No. 7)	4.54	3.00	4.73	3.95	11.33	6.96	6.92	5.47	2.32	2.03	4.52	3.33	59.10
New Orleans (No. 8)	5.33	1.87	3.96	4.31	9.78	6.55	8.47	7.88	3.04	2.10	4.36	3.39	61.04
Paradis	1.75	1.52	4.05	3.20	8.60	6.20	8.80	6.50	1.97	4.30	8.50	3.10	58.49
Pearl River	5.24	5.06	4.41	3.23	13.34	7.73	10.05	8.36	2.93	5.73	6.32	3.99	76.39
Plain Dealing	3.91	5.79	4.88	6.75	3.53	6.54	4.01	0.20	5.35	3.24	2.82	9.11	56.13
Reserve	2.55	2.55	4.75	5.10	4.85	9.50	7.90	13.85	1.60	3.75	9.75	5.15	71.30
Richland Plantation	6.39	10.70	10.48	11.46	6.94	5.24	4.24	3.06	3.26	2.75			
Robeline	3.45	5.50	8.30	5.65	5.10	4.05	1.68	3.24	6.32	4.60	6.50	8.82	63.21
Ruston	5.30	3.16	5.41	6.54	7.47	3.94	1.90	1.45	5.26		4.54	7.31	
St. Francisville								3.73	3.55				
Schriever	3.35	2.30	5.60	3.60	5.05	7.30	15.15	8.45	5.55	2.35	9.30	2.95	70.95
Shreveport	4.32	6.21	3.63	4.40	4.68	2.48	3.40	2.03	9.03	2.43	3.19	7.82	53.62
Simmesport	3.85	5.70	11.55	9.35	8.61	5.50	5.57	5.35	5.20	1.45	2.85	9.52	74.50
Stables	3.76	7.16			6.55	5.25	3.65	3.95	5.35	6.10	8.50	9.50	
Ten Mile		6.97	8.22	8.86	9.33	7.54							
Maine													
Cornish	5.85	1.50	3.01	7.59	2.53	2.71	3.34	1.18	2.59	5.12	6.24	3.74	45.40
Eastport	4.95	2.36	3.88	4.17	1.52	2.74	2.69	2.47	1.36	2.35	2.27	3.18	33.94
Eustis	4.18	1.55	2.54	4.82	2.53	4.70	2.96	2.81	1.70	3.01		3.05	
Farmington	5.59	1.25	2.29	7.44	1.94	2.23	2.27	1.66	1.68	3.48	2.72	4.38	36.93
Gardiner	6.48	1.60	3.79	7.27	2.10	2.40	5.18	1.16	1.69	3.98	2.57	4.44	42.66
Greenville	4.58	2.15	3.02	5.97	2.50	3.78	4.34	2.85	2.11	3.45	3.39	3.32	41.46
Houlton	5.40	0.55	2.70	3.20	0.90	1.20	3.65	2.80					
Jackman	3.04	1.46	3.05	4.70	2.01	4.84	4.44	3.11	2.70	2.62	3.29	2.53	37.79
Lewiston	6.25	1.33	3.93	7.04	2.01	2.43	4.12	0.98	3.07	4.01	3.45	3.27	41.89
Madison	6.81	1.53	4.16	6.76	1.40	3.08	2.98	1.87	2.40	3.56	4.10	2.67	41.32
Millinocket	6.34	1.28	4.47	7.19	1.54	1.87	4.56	1.47	2.86	2.76	3.91	2.53	40.88
Milo	3.36	1.05	2.49	4.84	2.28	3.27	3.50	3.59	2.56	3.64	4.60	2.78	37.96
North Bridgton	5.90	0.81	2.85	5.83	2.09	1.60	3.53	3.08	2.60	3.62	3.26	5.24	40.41
Oldtown		1.51			1.78	2.64							
Orono	5.81	1.62	3.43	6.98	1.87	2.86	3.86	1.65	2.15	2.92	3.16	3.73	40.04
Portland	8.55	1.87	3.96	4.98	1.97	2.89	2.92	3.18	0.83	3.20	2.68	8.56	40.61
Presque Isle	3.87	0.90	2.51	3.79	1.58	0.82	4.32	2.32	2.98	2.04	2.59	2.51	30.23
Rumford	4.47	0.95	2.30	6.55	2.36	2.09	2.66	2.95	2.04	3.77	4.15	2.92	37.21
The Forks	4.04	1.33	2.43	5.50	1.36	3.24	3.80	2.74	1.91	4.08	5.56	1.06	37.05
Van Buren	3.34	0.75	2.94	3.69	2.40	0.77	2.23	3.23	2.54	2.92	3.24	2.37	30.42
Winslow	4.80	1.00	2.80	6.48	1.34	2.90	3.78	1.65	2.25	3.06	3.75	2.37	36.18
Woodland	4.70	1.23	2.78	7.57	1.37	2.57	2.36	3.46	1.05	3.05	3.17	3.17	36.48
Wytopitlock	5.25	0.78	2.60	5.99	0.93	2.21	1.94	1.77	1.97	3.94	2.69	2.80	32.87
Maryland													
Aberdeen	3.99	2.37	4.17	4.13	1.87	1.70	2.48	3.00	3.64	3.07	1.76	3.39	35.57
Annapolis	3.88	2.97	4.65	4.20	1.49	3.54	6.63	3.36	4.47	2.46	2.41	4.18	44.24
Baltimore (Weather Bureau)	4.14	2.51	4.12	3.68	2.59	1.84	2.04	3.14	3.85	2.83	2.04	3.88	36.66
Bell	3.71	2.85	4.70	6.82	2.56	4.23	4.50	2.68	4.24	2.62	2.47	3.49	44.87
Boyds	3.08	2.65	3.80	3.62	1.42	3.41	3.62	2.98	3.38	1.66	2.86	3.23	35.71
Cambridge	5.61	2.66	7.11	5.53	1.51	3.12	4.46	2.60	4.71	2.62	3.41	2.58	45.92
Cecilton	4.85	2.58	4.28	6.62	2.12	2.03	2.90	2.19	7.27	2.70	2.30	3.63	43.47
Cheltenham	4.15	3.02	5.03	4.19	1.91	4.58	4.22	2.89	1.66	2.36	2.45	3.04	39.50
Chesapeake City	5.03	2.10	3.82	5.63	2.41	2.49	1.68	2.20	4.32	2.47	1.99	3.35	37.49
Chewsville	2.71	2.24	3.23	2.34	2.13	3.08	3.66	3.75	2.10	1.81	2.16	3.66	32.87
Clear Spring (a)								3.00	4.19	1.22	3.38	4.09	
Clear Spring (b)	3.11	2.41	2.11	2.41	2.24	2.89	2.93	2.36	3.47	1.08	2.73	3.73	31.47
Coleman	3.95	2.78	3.86	5.08	2.18	1.88	5.16	2.12	3.80	2.52	1.97	3.09	38.39
College Park	3.92	2.30	4.31	3.56	1.87	2.70	4.29	2.46	3.39	2.15	2.52	3.81	37.28
Casten	3.15	3.05	6.18	5.95	1.48	2.37	3.71	3.53	1.22	3.85	3.24	2.09	39.82
Crisfield	3.29	3.60	7.28	7.09	1.45	2.52	5.68	2.71	2.81	3.97	3.88	2.08	46.35
Cumberland	3.52	2.47	1.69	4.17	1.50	2.76	5.22	3.93	3.84	1.14	2.86	3.46	36.56
Darlington	4.68	2.57	3.74	3.81	2.18	1.55	2.91	2.32	3.73	3.75	1.79	5.24	38.27
Easton	4.92	2.87	5.90	4.14	0.83	3.57	7.57	2.15	1.80	4.06	2.72	3.48	44.01
Emmitsburg	4.31	2.75	3.56	2.45	4.73	1.82	4.83	2.29		1.69	2.31	4.77	
Falston	4.57	2.30	3.34	3.61	2.65	2.24	6.62	3.22	3.99	3.92	2.32	4.23	43.01
Ferry Landing	4.13	2.78	4.39	2.86	1.16	4.85	3.06	3.63	2.79	2.16	2.29	2.40	36.50
Frederick	3.59	2.49	3.29	2.97	1.76	2.53	3.67	3.04	3.53	2.04	2.69	3.97	35.57
Freeland	4.25	2.34	3.32	4.21	2.40	1.25	3.50	3.20	4.85	3.70	1.65	4.34	39.01
Friendsville	4.95	4.03	2.95	5.65	1.79	4.74	5.26	3.24	2.29	1.70	3.26	5.73	45.59
Frostburg	5.09	2.70	2.39	4.50	2.57	4.92	4.82	2.96	2.47	1.13	3.60	4.82	41.97
Grantsville	6.14	3.75	3.36	5.04	1.93	4.89	3.55	3.17	2.39	1.49	3.21	6.17	45.09
Great Falls	3.41	2.28	4.24	3.08	1.99	2.88	5.50	3.24	5.68	1.31	1.94	3.51	39.06
Hancock	3.26	2.57				2.48	2.45	4.21	4.11	1.96	2.22	3.41	
Keedysville	2.49	2.13	2.52	2.50	2.59	5.29	3.96	3.00	3.36	1.62	1.90	3.38	34.74
La Plata	4.32	2.84	4.85	4.44	1.73	4.47	4.40	3.63	2.92	1.82	2.09	2.61	40.12
Laurel	3.84	2.71	4.67	3.34	1.54	3.62	7.37	3.06	4.51	2.42	2.36	3.57	43.01
Millington	4.22	2.53	4.87	4.35	1.66	3.11	2.64	2.32	3.89	3.01	2.00	3.50	38.10
Oakland	5.49	4.60	3.25	4.31	1.94	7.65	4.47	4.21	3.05	1.21	4.31	5.89	50.38
Princess Anne	3.54	3.17	6.51	4.58	1.75	1.54	4.48	6.65	2.47	3.24	2.74	2.11	42.78
Public Landing	4.56	2.94	6.00	5.94	1.68	2.29	4.21	2.96	2.08	3.99	4.38	2.59	43.62
Riderwood	4.95	2.80	3.70	2.64	2.44	1.85							
Ridgely	4.88	3.04	5.56	4.05	0.84	2.83	7.89	3.86	2.46	3.52	2.94	3.49	45.36
Rock Hall	4.10	2.87	4.22	4.82	2.05	3.15	5.36	3.41	3.81	3.81	2.31	2.80	42.71
Salisbury	4.01	3.61	6.53	4.18	1.40	2.28	5.59	5.76	4.14	3.66	3.46	2.24	46.86
Solomons	4.88	2.84	6.12	3.48	1.03	1.76	3.48	3.04	2.45	1.96	2.15	1.47	34.66
State Sanatorium	3.37	2.73	2.88	2.29	3.57	1.69	6.45	1.96	2.90	1.38	2.50		
Takoma	3.47	2.65	4.43	3.38	1.33	1.67	4.51	1.94	3.80	1.30	1.65	3.24	33.37

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Maryland—Continued													
Western Port	3.20	3.80	1.80	3.82	1.61	3.60	2.66	3.34	1.87	0.78	3.43	3.88	33.79
Westminster	3.91	2.59	3.49	3.86	2.10	2.60	5.45	4.34	5.35	2.65	2.49	4.26	43.09
Woodstock	3.80	2.76	3.57	3.26	2.67	2.51	6.95	2.05	3.20	2.25	2.59	3.49	39.10
Massachusetts													
Amherst	6.02	1.81	1.98	3.19	3.26	2.24	1.77	2.55	1.89	5.50	5.05	4.23	39.49
Ashland	7.76	2.30	3.32	5.30	0.93	4.50	3.11	2.20	1.42	5.67	5.59	4.83	46.93
Bakers Bridge	5.96	1.40	2.44	5.13	1.28	2.97	2.91	1.75	1.54	4.75	4.60	5.48	40.21
Bedford	7.89	2.12	1.91	5.00	1.46	3.87	2.41	2.15	1.04	------	------	------	------
Blue Hill	8.06	2.17	2.96	6.11	1.14	3.49	3.92	1.73	0.84	4.84	3.34	6.30	44.90
Boston	6.07	1.48	2.49	5.26	0.83	2.03	3.36	1.86	0.38	3.37	2.78	4.98	34.89
Chestnut Hill	7.93	3.13	3.44	5.43	0.99	2.47	3.22	1.56	0.56	4.08	3.34	5.34	41.49
Clinton	7.88	2.21	2.70	5.93	1.10	3.62	3.77	1.56	0.79	5.62	6.47	5.12	46.77
Concord	7.16	1.70	2.70	5.26	1.22	3.67	2.40	1.76	1.22	5.01	5.03	4.88	42.01
Fall River	7.01	2.04	4.85	5.50	1.29	3.73	2.18	2.82	2.50	4.11	2.98	6.57	45.58
Fitchburg	6.93	1.67	2.46	4.03	1.38	2.57	2.22	2.33	1.34	3.09	5.07	3.84	36.93
Framingham	7.48	2.09	3.44	5.18	1.02	3.62	3.07	2.15	1.70	5.31	5.50	4.27	45.53
Haverhill	6.59	1.36	2.37	4.68	1.67	3.06	2.60	2.14	1.91	3.80	4.09	5.17	39.44
Hingham	7.48	------	------	------	------	------	------	3.12	1.26	4.23	2.16	4.71	------
Holyoke	------	------	2.94	3.88	2.95	------	------	------	2.15	6.57	3.80	------	------
Hyannis	------	------	5.74	5.11	0.78	2.82	2.83	2.17	2.42	2.99	2.66	4.43	------
Jefferson	9.46	2.43	3.72	5.38	1.63	3.52	3.66	2.35	1.11	5.19	5.79	5.09	49.33
Lake Cochituate	7.55	2.43	3.48	5.11	0.98	3.18	3.01	2.16	1.28	5.10	5.33	5.49	45.10
Lawrence	8.39	2.19	2.75	5.00	1.63	2.86	2.17	1.77	1.12	3.71	5.16	4.89	41.64
Lee	4.08	1.25	1.16	2.90	3.17	3.55	3.99	3.75	4.11	4.51	2.37	1.39	36.23
Leominster	6.52	1.78	2.73	5.28	1.38	2.97	3.44	1.77	1.50	4.95	6.56	4.37	43.25
Lowell	7.22	2.00	3.08	6.08	1.62	2.38	2.25	1.77	1.05	4.46	6.29	4.84	43.10
Nantucket	4.75	2.25	6.46	4.27	0.37	1.27	3.48	1.90	1.01	2.82	2.38	5.19	36.15
New Bedford	4.40	1.32	4.98	4.24	0.57	2.23	1.44	1.33	1.31	3.74	1.65	4.45	31.66
Plymouth	2.47	2.10	4.80	------	0.86	------	2.44	2.43	1.21	5.25	2.23	4.90	------
Princeton	7.46	2.42	3.38	5.24	1.51	3.16	3.90	1.75	1.25	5.06	5.56	4.62	45.31
Provincetown	6.00	2.20	3.70	5.40	1.10	3.95	2.90	2.10	0.75	2.70	1.80	6.00	38.60
Rockport	6.38	3.10	------	4.70	1.63	1.97	2.97	1.70	0.80	4.14	2.03	5.09	------
Rutland	5.13	1.81	1.71	5.62	1.70	2.37	2.47	1.83	0.70	3.05	5.09	------	------
Spot Pond	8.43	2.71	3.83	5.31	1.17	2.33	2.53	2.82	0.66	3.64	3.61	5.48	42.52
Springfield	7.15	1.33	1.87	3.59	2.60	3.71	1.84	1.48	1.86	6.80	3.78	3.77	39.78
Sterling	7.55	2.37	3.16	5.47	1.44	3.31	4.11	1.67	1.03	5.00	6.09	5.84	47.04
Taunton	7.69	1.74	4.70	6.73	1.32	4.13	4.25	3.04	2.37	6.20	2.99	6.90	52.06
Turners Falls	4.05	1.35	1.36	2.67	2.33	2.08	3.30	2.01	2.33	4.20	4.30	3.45	33.43
Westboro	6.68	1.65	------	7.28	1.07	4.44	2.79	1.73	1.72	6.55	6.81	4.50	------
Williamstown	4.97	1.94	2.41	2.62	2.01	3.39	3.20	3.48	4.08	4.07	4.77	3.20	40.14
Winchendon	7.20	2.19	2.61	4.54	1.77	1.72	4.43	2.45	1.80	6.18	5.19	4.63	44.71
Worcester	4.33	0.73	2.80	5.66	1.93	3.49	2.28	2.24	1.44	4.45	4.35	4.14	37.84
Michigan													
Adrian	1.37	0.94	3.91	1.90	3.74	3.08	0.83	1.69	4.34	1.68	1.54	4.62	29.64
Albion	1.51	0.86	2.34	1.93	3.31	3.04	2.72	2.58	3.79	1.76	1.45	3.50	28.79
Allegan	1.11	2.18	2.58	1.91	3.93	2.11	1.76	1.84	7.13	4.13	1.64	2.48	32.80
Alma (No. 1)	1.88	1.25	3.87	2.14	5.74	1.77	3.45	3.48	3.93	2.13	1.50	1.73	32.87
Alma (No. 2)	------	------	3.24	1.99	6.00	------	------	------	------	------	------	------	------
Alpena	1.72	0.75	3.05	2.64	2.49	3.10	3.06	3.07	1.65	1.31	0.85	2.33	26.04
Alpena (near)	2.11	0.56	2.87	1.76	2.94	3.28	1.52	3.66	1.65	1.48	1.12	2.27	25.22
Alpha	2.44	0.52	2.72	1.87	1.52	5.69	4.12	1.84	3.26	1.20	0.95	1.01	27.14
Ann Arbor	1.68	0.99	2.59	1.66	3.75	2.86	4.93	2.73	4.04	1.39	1.38	3.75	31.75
Ann Arbor (near)	1.70	------	2.70	2.10	2.54	1.66	4.26	1.32	4.46	1.72	1.38	3.41	------
Battle Creek	1.47	1.31	2.72	2.03	2.79	3.27	1.84	3.57	7.17	2.72	1.66	3.76	34.31
Bay City	1.16	0.48	2.10	1.48	4.71	3.31	3.51	2.56	2.41	1.42	1.13	1.24	25.51
Benzonia	1.73	2.59	4.19	3.68	2.02	2.13	3.03	4.53	2.56	4.95	1.11	2.07	34.59
Bergland	2.05	1.34	2.40	1.33	1.81	4.55	4.24	1.26	1.39	2.67	1.40	2.05	26.49
Big Rapids	1.61	1.12	2.20	1.47	5.11	2.87	1.67	3.12	2.49	3.86	0.95	1.66	28.13
Bloomingdale	1.50	2.70	2.40	1.36	4.40	2.08	2.05	2.52	7.42	3.62	------	------	------
Bridgeport	------	------	2.95	1.51	4.86	------	------	------	------	------	------	------	------
Cadillac	1.58	1.09	4.26	2.37	4.31	3.22	3.85	2.90	3.71	3.09	1.10	1.38	32.86
Calumet	4.85	2.70	3.55	1.55	0.85	2.94	4.09	1.49	4.64	3.33	1.34	2.76	34.09
Cassopolis	1.17	1.31	2.78	1.55	3.19	5.69	3.46	1.80	5.84	4.29	1.60	4.66	37.34
Ceresco	1.35	0.67	2.70	1.87	2.85	2.63	2.14	2.61	4.63	2.23	1.51	2.80	27.99
Charlevoix	------	------	3.50	------	1.65	1.92	2.61	3.63	1.87	4.03	0.55	1.67	------
Charlotte	1.04	1.12	1.63	1.54	2.84	1.71	4.00	2.54	5.44	1.58	1.51	2.16	27.13
Chatham	2.45	1.13	2.56	1.20	0.96	3.57	5.86	2.75	2.75	4.83	1.12	1.67	30.85
Cheboygan	2.01	0.89	2.42	2.44	1.21	2.73	1.44	2.52	1.47	4.03	0.61	1.65	23.42
Chesaning	------	------	2.81	1.39	4.63	------	------	------	------	------	------	------	------
Coldwater	1.40	1.50	1.85	------	3.80	2.57	2.05	4.00	3.70	2.60	1.01	3.98	------
Cooke Site	2.55	------	1.49	1.83	2.84	1.26	2.55	3.78	------	1.13	0.72	1.21	------
Croswell	------	------	------	------	3.75	1.46	3.25	2.30	4.89	1.60	------	------	------
Croton	1.46	0.77	3.34	1.70	4.13	3.02	1.49	2.96	4.58	3.76	0.75	1.39	29.35
Deer Park (near)	2.19	1.31	1.62	------	------	------	------	------	2.57	5.93	1.37	1.90	------
Detroit	1.94	1.39	2.78	2.11	5.08	2.54	4.14	1.70	1.90	2.01	1.54	3.46	30.59
Dimondale	------	------	2.49	1.19	3.67	------	------	------	------	------	------	------	------
Durand	2.55	1.26	2.65	2.20	3.10	2.64	2.59	3.35	4.45	1.29	1.81	2.50	30.39
Eagle Harbor	1.44	------	2.08	0.79	0.84	1.62	4.62	0.55	2.36	2.18	0.60	1.53	------
East Tawas	1.84	0.58	3.54	2.12	3.93	1.60	1.92	3.00	3.16	1.71	0.99	1.18	26.57
Eaton Rapids	------	------	2.35	1.83	3.84	------	------	------	------	------	------	------	------
Edmore	------	------	------	------	------	1.95	4.93	3.20	4.10	2.05	------	------	------
Eloise	1.60	0.68	1.97	1.50	3.30	2.50	2.58	1.30	3.35	1.84	2.35	2.56	26.53
Escanaba	1.98	0.99	2.56	2.44	0.76	3.20	6.62	2.14	2.34	2.96	1.14	1.45	27.98
Ewen	2.85	0.89	2.82	0.93	1.84	4.30	------	1.71	1.84	1.12	1.16	1.78	------
Fife Lake (near)	1.50	0.90	2.27	2.00	3.03	5.88	4.50	3.30	1.37	3.38	1.24	1.66	31.03
Five Channels	1.80	------	2.86	2.36	2.92	1.14	2.01	3.47	3.43	1.27	0.93	1.70	------
Flint (No. 1)	1.30	1.00	3.14	1.99	4.11	1.62	4.77	1.81	3.80	1.30	1.90	2.31	29.05
Flint (No. 2)	------	------	2.90	1.45	------	------	------	------	------	------	------	------	------
Fosters	------	------	3.81	1.37	5.06	------	------	------	------	------	------	------	------
Frankfort	1.62	1.66	3.68	1.64	2.47	3.87	1.91	4.57	1.57	6.56	1.40	2.36	33.31
Gaylord	------	------	------	2.34	2.22	1.97	3.70	2.66	3.70	2.32	0.97	2.48	------
Grand Haven	1.57	1.95	2.88	2.00	3.06	2.84	1.44	3.38	3.42	3.85	0.87	1.88	29.14
Grand Ledge (No. 1)	1.01	1.08	1.13	1.65	1.55	2.46	3.96	1.80	5.63	1.79	1.30	------	------

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Michigan—Continued													
Grand Ledge (No. 2)			2.56	1.57	3.98								
Grand Marais	6.56	3.11	2.78	3.77	0.58	2.20	2.79	2.27	1.55	3.40	0.87	3.57	33.45
Grand Rapids (Weather Bureau)	1.25	0.99	2.36	2.19	3.70	1.67	0.95	2.07	5.77	3.30	1.09	2.18	27.52
Grayling	1.24	0.32	3.19	0.93	2.85	4.02	3.71	4.36	3.25	4.08	1.02	1.70	30.67
Greenville	1.47	0.83	2.91	2.09	4.26	1.23	4.67	3.83	4.91	2.85	1.28	1.63	31.96
Hamburg	1.78	0.82	2.51	1.45	2.40	2.29	4.49	0.60	4.53	1.62	1.29	2.30	26.08
Harbor Beach	1.10	0.60	3.03	1.31	3.41	1.63	1.95	3.85	2.86	2.20	1.91	1.46	25.31
Harrison	1.10	1.03	3.20		3.61	3.10	3.64	3.94	3.58	3.28		1.45	
Harrisville	2.17	0.68	2.97	2.11		2.73	1.80	3.83	1.87				
Hart	1.72	1.35	2.34	1.67	4.71	1.90	1.15	2.59	2.46	4.99	0.61	1.42	26.91
Hastings	1.60	1.60		2.01	3.33	1.00	2.22	2.56	5.36	2.71	1.80	2.20	
Hillsdale	1.52	1.54	2.39	1.61	3.31	3.59	3.27	4.14	3.97	1.98	2.25	4.19	33.76
Holland	1.03	1.64	2.59	1.75	3.17	1.63	2.38	2.29	5.39	3.98	1.27	2.19	29.31
Houghton	2.07	1.74	2.36	0.89	0.83	1.43	3.89	1.24	3.83	2.82	1.14	1.83	24.07
Houghton Lake (near)	2.98	0.73	4.38	1.82	3.41	1.82	3.37	3.02	3.13	2.85	1.27	1.16	29.94
Howard City	1.32	0.90					2.54	3.04		2.40	1.12		
Howell	1.01	0.75	2.08	0.95	1.81	2.67	2.45	1.33	3.57	1.67	1.74	5.05	25.08
Humboldt	2.60	1.10	2.38	1.10	1.30	2.65	4.75	1.59	3.72	1.57	1.55	1.25	25.56
Ionia		0.70	2.60	2.42	4.09								
Iron Mountain	1.31	0.42	1.82	1.53	0.72	8.55	7.72	1.19	5.26	1.39	0.66	1.35	31.92
Iron River (Pen. Power Co.)	0.55	0.47	1.81	2.06	1.47	5.23	4.31	2.49	2.35	0.97	0.57	1.01	23.29
Iron River (near)	1.20	0.40		1.38	1.76	4.58	4.14	2.63	2.35	1.06	1.00	1.18	
Ironwood	2.26	1.21	5.71	1.62	3.26	4.65	10.71	1.76	0.99	2.34	1.76	2.19	38.46
Ishpeming	2.08	0.45	2.70	1.13	1.57	2.24	4.62	2.04	2.82	1.44	1.15	1.01	23.25
Jackson (No. 1)	1.56	1.45	2.55	1.64	3.40	3.25	7.11	2.90	3.57	1.78	1.36	3.81	34.38
Johannesburg	1.29	0.21		2.40	2.53	2.76						3.11	
Kalamazoo (No. 1)	1.83	2.30	3.15	1.54	4.14	3.02	1.39	1.98	6.96	3.33	1.58	3.50	34.72
Kalamazoo (No. 2)	1.66	1.24	2.27	1.78	3.50	2.74	1.97	1.74	6.62	2.79	1.86	3.35	31.52
Kent City						1.49	1.73	2.86	2.47				
Lansing	1.65	1.01	3.04	1.56	3.45	2.90	4.76	1.27	5.61	1.39	1.48	2.96	31.08
Lapeer	1.40			1.35	4.40	1.82	4.15		2.05	1.10	2.31	3.67	
Loud	2.41		3.44	2.41	3.11	1.71	2.98	2.73	2.92	1.80	0.91	1.47	
Lowell (No. 1)	1.76	0.54	2.82	1.96	3.78	1.21	1.50	1.41	5.24	2.76	1.09	2.13	26.18
Lowell (No. 2)		0.31	2.26	2.06	3.27								
Ludington	1.95	1.05	4.04	2.66	3.32	1.24	0.51	2.88	2.53	5.02	0.89	1.81	27.90
Luther	1.67	1.29	4.76	2.55	5.22	2.83	2.04	2.95	3.44	3.40	1.18	1.62	32.95
Mackinac Island	2.50		3.00	4.30	0.90	1.55	2.26	3.56	1.32	1.02		1.76	
Mackinaw	3.02	0.84	2.17	2.36	1.18	1.76	2.27	2.96	1.01	4.05	0.70	1.78	24.10
Mancelona	1.30	3.50	1.20			1.26	2.49	0.59		2.95	1.11	1.35	
Manistee		1.99	5.90	2.30	3.95	1.94	0.93	2.60	1.98	4.33	1.12	1.97	
Maple Ridge	1.80	1.10	2.50	1.60	0.92	3.34	6.72	6.13	2.98	2.54			
Marquette	2.84	1.21	3.24	1.43	1.27	3.10	4.11	1.08	1.63	2.70	1.22	1.52	25.35
Menominee	1.89	1.35	2.70	1.62	2.06	3.34	2.96	2.10	2.27	2.15	0.53	1.08	24.05
Midland (No. 1)	1.78		2.92	1.62	3.57	1.63	1.34	2.30	3.18	2.11	1.31	1.41	
Midland (No. 2)					4.00								
Millington	1.64	0.91	2.11	1.49	5.75	1.60	3.29	3.58	3.08	1.25	1.25	1.03	26.98
Mio	1.90	0.99	3.89	2.04	3.32	2.58	4.27	3.22	1.92	1.83	1.00	1.86	28.82
Monroe	2.71	1.02	3.06	3.44	3.39	3.87	2.37	0.74	4.40	2.10	1.43	4.09	32.62
Morenci	3.00			1.85	4.52	2.22	3.17	3.43				4.42	
Mount Clemens	0.55	1.60	2.60	1.06	4.34	1.98	3.51		2.66	2.21	1.64	2.53	
Mount Pleasant (No. 1)	2.44		3.55		4.42	1.34	2.73	2.09	3.12	1.78	1.67	2.12	
Mount Pleasant (No. 2)			3.48	1.54	5.25								
Munising	2.35	1.33	3.50	1.87	0.40	1.80	3.65	2.46	2.53	4.99	1.18	2.35	28.41
Muskegon	1.38	2.40	4.10	1.50	3.16	2.64	1.51	2.86	5.01	4.66	0.66	4.39	34.27
Newberry	1.58	1.21	3.70	2.59	1.06	2.76	2.44	3.88	1.71	5.60	1.10	1.52	29.15
Old Mission	2.04	0.80	3.50	3.25	1.54	2.76	2.79	3.84	2.56	3.62	1.03	1.56	29.29
Omer	1.87	0.59	2.86	1.40	4.46	1.61	1.90	1.98	3.64	1.21	0.72	1.25	23.49
Onaway (near)	2.83	1.37	5.21	2.68	1.20	1.18	1.17	1.45	1.46	2.28	0.71	1.83	23.37
Otsego	1.14	1.77	2.15	1.47	4.75	2.14	1.76	3.13	7.01	3.29	1.65	3.00	33.26
Owosso (No. 1)	1.88		2.91	2.00	3.41	1.57	6.02	3.11	4.56	1.34	2.89	1.94	
Owosso (No. 2)			1.98	1.67	3.85								
Petoskey	1.30	1.00	3.00	1.60	1.60	1.90	1.75	3.05	1.65	3.00	0.55	1.90	22.30
Plainwell	1.35	2.04	2.39	1.40	5.12	1.95	1.91	6.06	6.84	2.90	1.39	2.40	35.75
Plymouth	2.08	1.36			4.01	2.72	2.93	1.55	2.32	1.99	1.30	4.41	
Pontiac	1.09	0.58	2.09	1.67	3.42	2.73	2.56		4.55	1.78	1.20	2.32	
Port Austin	1.43	1.07	3.10	1.96	3.36	2.43	1.90	2.90	1.85	1.45	1.17	1.73	24.35
Port Huron	1.54	1.14	2.01	1.70	4.14	2.23	1.48	0.99	3.87	2.07	1.00	3.01	25.78
Portland		0.88	3.01	1.53	4.96								
Powers	2.84	1.54	2.92	2.69	1.00	3.34	6.63	2.42	2.69	2.33		1.17	
Rogers	1.55	0.84	3.22	0.95	4.86	5.03	2.40	3.18	3.05	2.65	0.66	1.19	29.58
Roscommon	1.52	1.53	3.26	2.19	2.71	5.03	2.91	3.41	3.00	2.70	0.92	1.77	30.95
Sack Bay	1.73	1.74	3.57	3.10	1.03	2.97	5.62	1.93	2.76	4.02	1.23	1.30	31.00
Saginaw (Weather Bureau)	0.91	0.74	1.96	1.31	4.29	1.53	4.25	2.98	3.04	1.22	1.14	1.22	24.59
Saginaw (No. 2)	1.45		2.01	1.66	3.83	1.55	4.14	3.01	3.25	1.37	1.43	0.62	
St. Ignace	2.33			4.11	3.60	1.82	2.41	1.96	1.26	2.25	1.28	2.78	
St. James	1.66	0.93	1.75	1.52	1.02	2.17	3.40	2.22	0.86	4.54	0.46	0.59	21.12
St. Joseph	1.70	2.40	3.40	1.30	5.60	1.90	4.85	1.66	3.81	2.27	1.00	1.27	31.16
Sandusky	1.39	0.85	1.53	1.64	4.25	1.27	1.33	2.52	4.21	1.97	1.36	1.26	23.58
Saranac	1.20	0.92		1.70	4.98	2.50	1.91	1.46	5.07	2.87	1.16	1.29	
Sault Ste. Marie	1.64	1.00	2.58	1.66	1.00	2.23	3.80	3.20	2.63	5.37	1.04	2.23	28.38
Scottville								3.00	3.65				
Shields				1.41	4.26								
Sidnaw	1.06	0.83	1.61	0.40	1.90	4.89	3.96	1.74	2.45	1.21	0.61	1.39	22.05
South Haven	1.19	1.33	2.40	1.55	3.68	1.54	1.75	2.49	6.60	3.72		4.83	
Stronach	2.00	2.17	5.82	3.21	4.10	1.60	1.86	2.86	3.33	4.62	0.52	1.40	33.49
Sturgis	1.62	1.52	3.53	1.36	3.35	3.02	4.39	1.83	3.23	3.72	1.29	4.73	33.59
Traverse City	2.05	3.10	4.43		1.32	1.11	2.47	4.34	1.90	4.22	1.06	2.03	
Trowbridge	1.14	1.48	2.25	1.58	5.03	2.84	1.70	1.99	7.04	3.37	1.61	2.03	32.06
Twin Falls	2.26	0.54	2.13	2.38	1.11	7.20	6.88	2.38	2.01	0.91			
Vanderbilt (near)										2.04	0.68	3.11	
Vassar			4.20	2.50	6.70								
Victoria	2.57	1.15	1.61	1.06		3.21	3.47	1.19	1.43	1.66	1.51	1.77	
Webber Dam	1.15	0.75	3.28	1.65	4.94	2.38	4.77	1.84	4.33	1.33	1.32	2.04	29.78
Wellston	1.72	2.18	4.98	2.20	4.28	1.71	1.60	3.41	2.69	4.91	0.85		
West Branch (near)	1.32	0.61	3.45	2.18	3.29	2.99	2.72	3.33	4.02	2.81	0.87	1.41	29.00
Williamston			2.53	1.32	3.03								
Ypsilanti	1.52	0.90	2.78	1.51	4.75	3.02	3.90	0.94	3.47	1.54	1.35	3.82	29.50

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Minnesota													
Ada	0.30	0.31	0.14	1.56	2.30	4.06	4.44	2.12	1.94	0.37	0.22	0.16	17.92
Ah-Gwah-Ching	1.25	1.00	1.05	1.70	2.77	7.40	2.63	0.82	1.65	0.28	0.12	0.54	21.21
Albert Lea	0.65	0.30	1.35	2.09	1.05	5.69	1.12	3.87	7.60	1.15	0.35	0.80	26.02
Alexandria	0.42	0.14	0.05	1.16	2.38	5.32	1.47	1.45	1.32	T.	0.35	0.20	14.26
Angus	0.24	0.83	0.47	1.33	1.07	2.72	4.16	1.38	1.85	1.32	0.55	0.38	16.30
Argyle	0.50	0.85	0.60	1.64	1.51	1.25	4.24	1.52	2.11	0.62	0.47	0.25	15.56
Artichoke Lake	0.85	0.13	0.18	2.26	3.26	2.02	1.41	1.25	1.90	0.36	0.45	0.17	14.24
Baudette	0.82	0.21	0.67	1.26	0.26	2.22	3.06	------	2.19	0.52	0.53	0.36	------
Beardsley	1.30	0.50	0.90	2.48	2.10	2.67	1.89	0.95	1.42	0.47	1.11	0.24	16.03
Bemidji	0.87	1.35	0.55	1.42	1.37	6.01	2.06	1.51	1.91	0.19	0.30	1.10	18.04
Bird Island	0.82	0.42	0.79	3.25	2.74	4.25	2.15	1.93	1.59	0.59	0.51	0.34	19.38
Brainerd	0.86	0.54	0.42	1.36	2.11	5.37	2.28	3.22	1.84	0.98	0.33	0.43	19.74
Campbell	1.52	1.76	0.20	1.80	2.47	5.22	1.95	2.86	1.81	0.44	0.54	0.24	20.81
Canby	1.09	0.44	0.62	4.04	2.10	5.35	1.74	2.04	2.49	0.77	0.32	0.16	21.16
Cass Lake	0.70	0.42	0.57	1.87	1.13	6.70	2.47	1.76	1.78	0.80	0.43	0.72	19.35
Centerville	0.86	0.22	0.34	1.74	2.91	4.89	1.74	1.63	1.45	0.90	0.41	0.23	17.32
Chatfield	0.80	1.01	2.72	1.11	1.66	5.52	0.88	3.19	3.84	1.05	0.22	0.93	22.93
Cloquet	2.48	0.44	1.63	0.42	2.11	2.22	5.06	1.09	1.92	0.58	0.36	1.37	19.68
Collegeville	0.91	0.30	0.31	1.66	2.15	5.02	3.10	0.75	0.89	0.66	0.58	0.11	16.44
Crookston	0.27	0.32	0.19	1.10	1.32	3.34	5.62	1.63	1.98	0.39	0.43	0.35	16.94
Detroit	0.78	1.37	0.49	1.38	0.96	6.66	2.54	3.19	0.99	0.69	0.28	0.96	20.29
Duluth	1.60	0.92	1.28	1.11	1.81	3.89	5.40	1.76	2.61	0.46	0.63	0.82	22.29
Fairmont	0.62	0.11	0.80	1.53	1.49	5.12	0.94	5.49	4.92	0.73	0.13	0.44	22.32
Faribault	0.55	0.20	0.47	1.01	1.13	4.32	1.08	2.65	1.92	0.25	0.11	0.58	14.27
Farmington	1.60	0.60	1.70	1.10	2.28	5.50	0.85	------	------	------	------	0.90	------
Fergus Falls	1.72	1.59	0.47	2.08	2.01	10.21	2.41	2.50	1.85	0.59	0.58	0.44	26.45
Fort Ripley	0.48	0.41	0.16	1.53	1.41	5.20	1.93	0.96	1.97	0.65	0.17	0.25	15.12
Fosston	0.55	0.85	0.20	0.58	1.76	4.19	3.63	1.49	2.13	0.45	0.38	0.38	16.59
Golden Valley	0.27	0.68	0.33	1.57	0.88	2.05	4.81	2.30	2.05	0.50	0.57	0.39	16.40
Gonvick (near)	0.32	------	------	1.17	0.76	4.37	2.80	1.04	3.34	0.33	0.05	0.34	------
Grand Marais	------	------	------	------	------	------	------	------	------	1.15	1.10	1.40	------
Grand Meadow	0.84	0.48	1.98	1.78	1.99	6.82	1.45	4.37	8.28	0.69	0.36	0.82	29.86
Grand Rapids	1.12	0.29	0.66	1.84	1.38	3.19	4.18	1.89	0.75	1.11	0.69	1.20	18.30
Grygla (near)	0.72	0.82	1.79	0.75	1.00	2.30	3.53	1.56	1.88	------	------	------	------
Gull Lake Dam	0.95	0.37	0.41	1.50	2.57	6.87	2.56	1.99	1.36	0.51	0.37	0.57	20.02
Hallock	0.56	0.50	0.46	1.45	1.13	5.77	3.71	1.48	3.25	1.07	0.72	0.05	20.15
International Falls	1.50	0.80	0.70	0.87	1.26	2.85	3.00	------	------	------	0.25	0.40	------
Itasca State Park	1.25	1.05	0.70	2.83	1.77	4.59	2.48	1.17	1.75	0.50	0.40	1.20	19.69
Leech Lake Dam	0.99	0.74	0.58	1.87	3.35	5.86	1.98	1.37	1.12	1.26	0.70	0.45	20.27
Little Falls	1.17	0.70	0.31	1.81	2.12	3.23	3.16	0.88	0.50	0.51	0.78	0.82	15.99
Lynd	1.16	0.09	0.75	3.87	1.81	4.15	1.00	4.40	1.48	0.61	T.	0.60	19.92
Mankato	0.75	0.18	0.77	1.80	2.75	4.16	1.31	3.72	3.11	1.00	0.12	0.82	20.49
Maple Plain	1.31	0.60	1.37	3.04	2.47	6.58	3.36	2.75	1.20	0.58	0.40	0.52	24.18
Meadowlands	1.24	0.30	0.70	1.08	1.95	2.63	3.28	1.74	1.83	0.93	0.37	0.65	16.70
Milaca	1.31	0.22	0.46	0.84	1.54	4.10	2.01	0.95	2.63	1.48	0.34	0.08	15.96
Milan	1.48	0.83	0.60	2.31	4.18	4.19	2.42	2.19	2.42	0.95	0.45	0.21	22.23
Minneapolis (Weather Bureau)	1.01	0.41	1.17	1.99	2.97	5.04	3.12	1.98	1.61	1.19	0.45	0.41	21.35
Minneapolis (No. 1)	1.05	0.47	1.28	2.29	3.50	5.85	3.36	2.47	1.94	1.14	0.50	0.51	24.36
Montevideo	0.91	0.32	0.66	2.58	3.17	2.97	1.67	1.79	2.19	0.56	0.41	0.25	17.48
Moorhead	0.47	0.45	0.29	1.28	1.85	6.73	2.34	2.83	1.68	0.32	0.30	0.52	19.06
Mora	1.57	0.62	0.52	1.74	2.93	4.08	5.64	0.87	1.78	1.35	0.95	0.66	22.71
Morris	2.32	2.25	0.60	2.18	1.74	3.50	3.42	1.21	1.09	0.92	1.12	0.10	20.45
New London	0.60	0.34	0.17	1.56	2.15	3.94	2.11	0.77	1.41	0.43	0.53	0.12	14.13
New Ulm	2.02	0.48	1.40	2.92	3.35	5.05	3.19	7.21	2.73	2.08	0.25	0.93	31.61
Norden	1.42	1.74	1.19	1.21	0.92	6.08	------	------	------	------	------	------	------
Park Rapids	0.71	0.77	0.42	1.89	1.28	7.28	2.68	1.30	1.92	0.52	0.39	0.47	19.63
Pine River Dam	0.95	1.06	0.35	1.56	1.87	4.89	5.65	1.64	1.64	0.94	0.43	0.54	21.52
Pipestone	0.50	T.	0.46	3.59	2.95	6.37	2.39	3.41	2.72	1.15	0.25	0.32	24.11
Pokegama Falls	0.71	0.24	0.64	1.29	1.21	3.25	4.35	1.82	0.61	0.79	0.50	0.34	15.75
Red Lake	0.74	1.06	0.42	0.21	0.84	4.81	2.91	1.46	2.48	1.01	0.08	0.40	16.42
Red Lake Falls	0.60	0.85	0.32	0.30	0.95	3.16	6.34	1.11	1.94	0.50	0.47	0.50	17.04
Red Wing	------	------	1.16	1.16	1.64	4.66	2.68	3.76	4.12	0.92	0.26	------	------
Redwood Falls	1.39	0.72	0.98	2.38	1.39	2.95	2.08	3.81	1.29	0.55	0.27	0.82	18.03
Reeds	------	------	0.78	0.97	1.12	6.86	1.41	3.52	7.09	1.24	0.50	------	------
Roseau	0.52	0.45	0.70	1.56	0.51	1.79	4.46	1.01	3.01	1.19	0.50	0.22	15.92
St. Charles	0.63	0.72	1.82	------	1.25	------	------	------	------	------	------	------	------
St. Cloud	1.42	0.25	0.20	2.66	2.49	5.17	3.26	1.00	0.93	0.42	0.57	0.17	18.54
St. Paul	1.12	0.50	1.33	2.20	2.28	4.28	2.51	1.92	1.10	2.00	0.35	0.66	20.25
St. Peter	1.42	0.35	0.92	1.37	3.07	8.93	2.59	3.57	2.60	2.16	0.18	0.52	27.68
Sandy Lake Dam	1.16	0.21	0.34	1.60	3.18	2.63	5.52	3.15	1.85	0.93	0.72	0.54	21.83
Taylors Falls	1.06	0.30	0.18	1.88	3.29	4.22	1.74	1.12	2.38	1.09	0.49	0.26	18.01
Thief River Falls	0.39	0.82	0.37	1.53	1.15	1.86	6.06	1.53	2.06	0.45	0.57	0.44	17.23
Tracy	1.03	0.09	1.36	2.14	2.15	4.37	1.85	3.93	2.00	0.54	0.64	0.35	19.85
Two Harbors	1.76	0.50	0.77	0.89	1.73	3.48	7.56	1.71	2.14	0.22	1.21	0.62	22.59
University Farm	0.99	0.38	0.01	2.01	3.05	4.95	2.90	1.90	1.61	1.78	------	------	------
Virginia	1.05	0.36	0.92	1.39	1.06	4.65	1.98	2.87	1.42	0.80	0.63	0.67	17.80
Wadena	1.30	------	------	------	------	------	------	------	------	0.25	0.30	0.41	------
Warroad	0.70	0.53	1.07	1.70	0.62	3.44	5.67	0.87	2.99	2.16	0.53	0.07	20.35
Waseca	0.90	1.05	1.50	1.22	1.52	6.15	1.13	3.76	2.90	0.62	0.07	1.32	22.14
Waskish	------	------	------	------	------	------	------	1.51	1.66	0.76	0.54	0.47	------
Wheaton	1.48	0.93	0.05	2.29	2.05	3.30	2.12	4.04	2.42	0.27	0.56	0.10	19.61
Willmar	0.31	0.95	0.41	2.75	1.70	3.01	1.20	1.07	1.01	0.50	0.68	0.19	12.78
Winnebago	0.63	0.25	1.35	1.60	2.93	6.25	0.71	5.00	5.82	0.88	T.	1.03	26.45
Winnibigoshish	0.88	0.28	0.28	1.76	2.32	5.56	2.88	1.39	0.99	0.82	0.37	0.55	18.08
Winona	0.78	0.67	2.30	1.79	1.48	5.15	1.14	3.27	4.13	0.70	0.59	1.37	23.37
Worthington	0.22	T.	1.25	2.52	3.10	4.11	2.02	4.58	3.53	0.48	0.26	0.40	22.47
Zumbrota	0.77	0.30	0.98	0.72	1.72	4.07	1.66	3.58	3.94	1.01	0.10	1.82	20.67
Mississippi													
Aberdeen	4.41	6.09	7.69	7.57	7.70	2.45	7.35	8.17	0.78	6.00	4.70	4.56	57.47
Agricultural College	6.48	4.96	6.91	7.18	7.97	5.42	4.02	7.45	1.20	4.49	4.38	6.15	66.61
Anguilla	4.94	8.56	9.17	9.60	5.08	2.15	3.77	10.03	1.87	4.50	5.57	13.80	72.04
Austin	5.32	3.60	7.78	8.52	10.18	5.77	6.45	1.87	5.97	4.89	4.58	6.65	69.55
Batesville	5.70	5.33	6.30	10.45	6.97	3.77	5.32	2.19	4.31	1.44	3.96	6.21	61.95
Bay St. Louis	4.63	3.42	3.67	3.37	14.08	5.90	6.09	6.11	3.13	6.45	4.73	3.79	65.37
Biloxi	3.74	------	6.42	3.62	12.59	8.14	6.64	11.58	2.91	7.29	5.78	4.26	------

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
***Mississippi*—Continued**													
Booneville	5.91	4.47	6.93	7.23	10.81	3.38	5.18	5.16	2.48	5.02	4.54	6.85	67.96
Brookhaven	2.87	6.84	8.75	16.16	9.53	5.44	10.74	5.65	3.73	0.96	5.01	9.95	85.63
Canton	4.55	7.47	8.77	12.64	7.03	6.14	5.43	1.94	1.74	1.78	------	6.02	------
Clarksdale	5.00	5.16	7.09	8.83	10.03	5.38	3.79	3.69	0.88	4.82	3.42	7.63	65.72
Cleveland	4.20	5.31	4.93	8.30	11.42	4.67	5.99	1.52	5.17	2.93	3.87	8.77	67.08
Collins	2.50	7.52	6.49	------	------	------	------	------	------	------	------	------	------
Columbia	4.31	5.21	7.36	5.21	8.34	3.82	6.55	6.52	2.30	4.28	7.55	9.86	71.31
Columbus	5.97	6.09	6.11	6.56	6.79	2.81	6.76	6.82	0.50	7.35	5.01	5.63	66.40
Corinth	5.16	4.52	7.70	7.04	10.52	1.53	3.76	3.96	3.88	4.49	3.76	6.24	62.56
Crystal Springs	3.52	9.60	12.77	10.32	7.85	7.16	9.97	2.98	0.75	1.83	4.61	7.66	79.02
Duck Hill	3.87	5.98	5.76	10.15	4.71	4.97	5.03	4.66	------	1.88	5.86	5.77	------
Edinburg	4.39	8.26	9.55	7.03	6.58	6.55	------	------	1.78	------	6.04	7.96	------
Enterprise	3.39	6.63	7.60	9.80	12.01	4.10	7.67	4.02	1.96	4.85	7.45	7.14	76.62
Fayette	4.26	11.71	15.72	10.02	4.33	6.37	5.95	3.84	1.94	1.34	4.31	9.82	79.61
Fruitland Park	1.73	------	------	------	------	------	------	5.91	2.11	7.32	8.87	6.81	------
Fulton	4.91	5.41	7.46	5.36	9.33	5.05	46.7	4.31	1.72	6.97	4.04	5.73	67.03
Greenville	5.50	6.83	5.88	6.37	7.85	4.65	5.33	8.10	3.98	4.79	5.65	11.73	76.66
Greenwood	4.32	6.89	6.41	7.24	7.15	3.49	5.47	4.48	1.78	2.33	5.49	7.96	63.01
Grenada	3.57	7.25	7.82	7.45	8.77	5.71	5.34	5.57	2.58	1.55	4.35	7.07	67.03
Hattiesburg	2.97	5.42	4.17	6.12	11.89	5.95	2.79	6.75	2.46	4.29	6.97	7.11	66.89
Hernando	3.19	3.75	6.70	8.07	6.58	4.10	2.87	2.23	1.70	2.36	3.20	5.27	50.02
Hickory	3.58	6.91	8.44	11.66	7.69	4.24	7.95	9.57	0.97	3.20	6.25	6.88	77.34
Holly Bluff	5.27	8.19	9.71	12.69	5.82	3.57	4.34	4.87	1.99	2.24	5.55	11.61	75.85
Holly Springs	5.66	4.76	8.40	8.99	11.28	5.75	4.60	3.84	2.36	1.99	3.40	6.77	68.80
Jackson	4.27	9.73	9.10	8.73	7.97	5.69	8.11	3.89	0.70	2.06	4.84	7.66	72.75
Kosciusko	5.56	6.97	7.49	7.67	6.61	4.14	2.72	7.91	0.87	1.29	4.53	------	------
Lake	2.43	6.97	8.30	8.96	8.99	5.93	7.14	7.80	0.30	2.87	4.34	6.90	70.93
Laurel	------	6.00	5.55	8.34	13.62	7.73	5.48	5.50	3.08	4.22	7.92	9.44	------
Leakesville	4.97	4.18	5.56	9.06	10.91	7.05	6.93	9.20	1.39	5.57	5.41	5.44	75.67
Louisville	3.92	7.00	6.31	7.44	8.75	4.92	3.71	7.32	1.82	3.65	4.20	5.46	64.50
Macon	6.20	7.32	7.37	9.55	9.55	5.37	4.65	4.97	1.03	4.82	5.87	5.43	72.13
Magnolia	3.68	6.40	7.72	9.26	10.71	7.25	10.65	4.44	1.51	1.74	7.23	9.84	80.43
Meadville	3.60	6.20	------	15.97	6.77	------	9.85	10.59	1.40	1.60	3.20	9.65	------
Meridian	2.77	7.13	8.46	8.80	9.07	2.48	7.77	4.49	0.72	5.10	5.53	5.99	68.31
Merrill	6.53	4.24	5.87	5.32	10.09	6.13	4.85	7.50	1.82	6.75	5.80	5.76	70.66
Monticello	4.13	4.48	8.55	10.93	9.34	6.92	3.71	5.79	3.85	4.03	5.80	7.18	74.71
Moorhead	3.57	5.86	------	8.48	5.49	6.22	5.02	9.09	2.36	4.60	4.73	------	------
Natchez	5.94	10.97	11.59	11.62	5.82	5.19	5.71	2.38	4.54	1.55	4.86	11.01	81.18
Okolona	5.52	5.92	7.57	7.82	5.40	6.66	3.55	6.68	3.57	3.33	4.66	9.41	70.09
Pearlington	6.44	4.08	4.56	3.94	14.42	6.04	12.08	6.34	2.13	6.34	5.74	3.01	75.12
Pontotoc	4.77	6.81	6.70	8.07	10.90	3.55	4.05	7.69	0.97	2.50	4.78	5.05	65.84
Poplarville	4.27	4.48	5.17	3.26	10.78	7.29	6.39	6.48	2.28	4.28	6.55	6.59	67.82
Port Gibson	5.45	8.28	11.76	8.75	7.63	5.48	8.23	3.21	1.80	1.36	4.50	11.70	78.15
Raleigh	------	6.69	9.91	10.68	9.98	6.16	4.21	7.87	1.17	3.18	------	------	------
Rosedale	3.89	6.72	4.94	11.65	10.37	6.93	6.31	0.57	2.40	4.46	4.33	7.96	70.53
Scott	4.03	5.43	4.43	12.72	8.14	2.71	7.75	2.67	3.93	4.30	4.40	9.14	69.65
Shubuta	3.45	7.66	4.68	7.59	12.12	5.73	4.04	6.47	1.67	6.78	6.86	6.34	73.39
Stoneville	5.35	------	6.82	5.10	10.16	4.64	4.91	7.08	3.43	4.94	4.97	12.01	------
Swan Lake	4.01	6.71	6.81	9.76	10.80	6.15	4.55	2.37	2.98	3.61	5.01	9.48	72.24
Tupelo	3.95	6.40	6.76	6.15	9.25	4.62	6.14	7.01	1.65	4.90	5.34	5.55	67.72
University	6.40	4.35	4.00	6.15	9.77	3.60	2.25	2.70	1.45	1.75	4.17	5.90	52.49
Utica	4.63	10.10	11.13	9.25	8.34	7.56	6.65	3.30	1.35	0.60	4.17	6.27	73.35
Vicksburg	4.76	6.97	7.48	10.16	9.47	2.09	3.85	1.68	0.89	1.61	4.23	9.64	62.83
Water Valley	6.30	7.17	8.43	8.88	13.16	------	------	------	------	2.60	4.03	7.00	------
Waynesboro	2.50	3.96	4.83	7.67	15.45	4.09	4.38	6.66	1.02	4.30	4.99	6.67	66.52
Woodville	3.29	6.43	7.93	9.69	8.49	11.39	5.86	7.84	2.84	1.54	5.20	9.81	80.31
Yazoo City	4.83	8.46	9.36	8.66	5.26	4.98	4.74	5.19	3.42	3.90	4.99	8.06	71.85
Missouri													
Albany	------	------	------	------	1.97	3.48	4.01	5.04	5.37	2.03	0.69	0.55	------
Amoret	1.25	0.49	4.25	2.38	3.46	8.30	7.07	1.76	7.46	6.95	1.92	2.76	46.05
Annapolis	------	------	------	------	------	3.32	1.06	4.31	2.39	3.26	1.94	4.49	------
Appleton City	1.49	0.67	4.23	1.96	4.73	7.47	3.83	2.92	4.45	3.77	2.78	2.16	40.46
Arcadia	3.07	3.15	5.32	3.34	6.13	3.14	0.90	2.15	3.41	4.47	1.73	5.40	42.21
Ash Grove	------	------	------	------	------	------	------	------	1.99	4.17	4.51	------	------
Ava	------	------	------	------	------	------	------	------	------	------	2.18	4.15	------
Avalon	0.74	0.51	4.35	2.35	2.20	7.90	4.95	8.20	6.30	3.20	2.20	1.63	44.53
Bethany	0.53	0.30	3.26	2.98	1.84	5.45	1.90	------	3.68	2.27	0.81	------	------
Birchtree	5.84	4.05	5.66	3.26	8.99	5.19	3.43	3.35	2.54	2.73	2.06	5.14	50.24
Bolivar	3.04	0.93	2.67	2.61	4.10	7.50	3.90	1.71	3.99	4.35	3.64	3.14	41.58
Boonville	0.94	1.04	4.25	4.69	2.63	8.84	3.75	5.47	5.39	2.79	1.93	2.66	44.38
Brunswick	0.40	0.40	3.98	1.68	1.87	7.55	2.42	2.03	5.51	2.92	1.76	2.44	32.96
Bunker	------	------	------	------	------	------	------	5.46	2.05	4.06	1.37	5.08	------
Cape Girardeau	5.30	4.07	4.61	3.34	5.50	2.12	1.94	5.81	3.12	2.68	2.70	5.40	46.59
Caruthersville	7.30	3.70	6.98	3.84	10.13	6.66	3.27	2.30	6.80	2.53	3.75	6.17	63.43
Chillicothe	0.59	0.18	3.28	2.03	1.88	3.90	5.78	5.97	4.62	2.34	1.74	0.72	33.03
Clearmont	------	------	------	------	------	------	------	------	1.88	1.13	0.21	0.56	------
Clifton Hill	0.60	0.59	3.34	2.13	1.61	7.34	1.94	2.41	3.39	0.94	1.55	1.79	27.63
Clinton	1.89	0.95	5.89	3.53	4.84	5.50	2.21	2.05	4.00	3.74	2.51	2.65	39.76
Columbia	1.40	1.00	3.61	4.21	1.97	6.31	3.71	3.92	3.03	2.67	1.35	2.53	35.71
Conception	0.24	0.11	1.82	2.44	3.05	4.89	5.52	6.19	6.44	2.15	0.43	0.25	33.53
Concordia	------	------	------	------	------	------	------	------	2.82	2.61	1.53	1.97	------
Dean	2.88	2.12	4.08	3.97	7.78	7.24	3.06	0.36	3.83	9.54	3.81	4.71	53.38
De Soto	------	------	------	------	------	5.54	------	3.44	1.90	3.57	2.03	3.25	------
Dexter	------	------	------	------	------	------	------	------	6.83	3.62	3.67	4.54	------
Doniphan	7.34	2.60	7.92	4.90	9.89	6.22	1.96	4.12	2.52	3.44	2.92	4.33	58.16
Downing	0.98	0.39	3.86	1.93	2.80	4.71	1.90	6.53	11.83	2.11	1.60	1.98	40.62
Edgerton	0.29	0.16	1.57	2.20	3.21	3.73	2.06	1.73	4.20	3.18	1.06	0.59	23.98
Eldon	2.60	0.66	2.43	4.17	3.72	3.86	3.95	3.16	4.12	3.44	2.04	2.21	35.35
Evansville	------	------	------	------	------	------	------	------	2.60	1.00	------	0.84	------
Farmington	3.43	3.60	4.62	3.09	3.16	2.78	3.93	5.87	4.98	4.17	2.07	5.49	51.20
Fayette	0.10	0.14	3.90	4.58	1.80	7.51	2.47	2.13	4.18	2.16	1.93	2.51	33.41
Fredericktown	------	------	------	------	------	5.88	4.42	7.64	4.31	6.38	1.98	3.76	------
Fulton	1.90	1.07	4.19	3.22	2.29	4.34	5.73	3.66	2.84	3.59	1.80	3.26	37.89
Galena	------	------	------	------	------	------	------	0.64	1.92	5.16	4.18	4.12	------

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
***Missouri*—Continued**													
Gallatin												0.96	
Gano	3.18	2.39	4.23	3.83	6.59	7.82	2.93	3.01	3.68	3.59	2.02	4.51	47.78
Goodland	4.20	1.99	4.87	2.65	7.61	4.69	0.97	3.30	3.63	4.99	1.27	5.03	45.20
Gorin	0.89	0.27	3.56	1.12	3.05	3.92	2.04	6.28	7.72	1.18	1.05	1.72	32.80
Grant City	0.16	0.36	2.24	3.29	2.20	7.27	0.58	5.31	5.21	2.02	0.60	0.26	29.50
Greenville	6.47	3.14	6.07	3.94	10.47	5.38	2.50	3.93	3.62	4.67	2.50	3.65	56.34
Hannibal	0.75	0.53	4.24	2.38	2.05	5.25	0.87	7.29	3.69	2.41	1.91	2.31	33.68
Harrisonville	0.35	0.69	3.17	2.33	2.70	5.71	3.20	1.39	6.34	5.33	1.81	1.19	34.21
Hermann	1.02	2.36	3.72	4.27	2.18	4.72	5.06	4.90	1.97	3.46	2.08	3.31	39.05
Hollister	5.20	3.04	4.20	3.15	4.70	6.00	2.05	0.28	1.65	3.15	3.85	5.45	42.72
Houston	4.55	2.17	3.40	2.14	6.87								
Jackson	5.85	3.66	6.16	4.12	11.31	3.63	1.56	6.13	3.78	4.07	2.84	5.47	58.58
Jefferson City	1.55	1.59	3.37	4.52	2.97	6.47	6.21	2.35	3.22	3.47	2.64	2.73	41.09
Jerome	2.11	1.47	3.48	3.21	3.50	4.64	3.01	3.19	3.33	4.78	2.27	3.89	38.88
Joplin	2.73	1.08		4.25	7.18	8.41	4.45	1.65	3.39	6.49	3.80	3.26	
Kansas City	0.16	0.36	3.35	1.84	2.25	6.51	3.40	2.88	9.61	4.14	1.66	1.12	37.28
Kidder	0.80	0.37	3.23	1.70	1.39	3.16	6.88	5.87	7.29	2.89	1.51	0.57	35.66
Kirksville	1.20	0.18	4.58	1.32	3.85	5.09	1.26	7.36	4.42	2.25	2.38	1.98	35.87
Koshkonong	6.08	2.75	5.36	5.17	7.77	4.56	2.65	1.16	3.23	3.92	2.14	4.25	49.04
Lamar	1.88	1.22	3.42	2.71	7.86	6.15	2.77	0.60	8.41	6.04	2.47	3.32	46.85
Lamonte	0.54	0.79	4.49	5.01	2.71	9.11	5.70	2.52	4.46	2.93	1.79	2.45	42.50
Lebanon	2.34	0.97	1.91	2.59	3.27	4.12	5.49	1.80	3.31	4.40	3.66	2.92	36.78
Leeper								4.17	3.51	3.80		2.97	
Lexington	0.48	0.37	3.93	2.52	2.49	4.41	5.21	2.25	5.99	3.19	1.75	2.56	35.15
Liberty	0.24	0.23	2.61	1.90	3.22	8.84	2.33	1.46	5.87	3.64	2.06	0.97	33.37
Lockwood	3.10	1.25	3.07	4.75	6.76	5.69	4.17	0.74	8.97	6.42	3.70	3.38	52.09
Louisiana	0.77	0.93	5.69	3.77	2.87	3.85	1.55	7.94	4.55	3.71	1.26	3.87	40.76
Lucerne									4.62	2.02	0.94	1.17	
Luray									5.75	1.05	0.85	1.77	
Macon	0.97	0.17	3.74	2.10	3.10	4.94	1.87	7.69	3.94	1.57	1.91	2.08	32.48
Marble Hill	6.87	4.56	7.90	5.77	9.24	3.66	1.50	4.10	4.36	4.98	3.70	5.23	61.97
Marshall	0.42	0.66	3.72	4.30	2.52	9.03	6.01	1.73	5.61	2.21	2.49	1.67	40.37
Maryville	0.23	0.22	2.40	3.10	2.34	4.11	2.81	5.11	5.35	2.00	0.27	0.36	28.30
Mexico	0.72	1.28	3.96	2.27	1.48	6.59	2.39	4.25	1.88	3.70	1.74	2.55	32.81
Milan				* 3.07	1.69	5.03	2.50	5.93	3.51	2.10	1.87	1.07	
Mineral Point								2.13		2.22			
Mountain Grove	3.36	3.27	4.61	4.05	6.05	4.12	3.35	1.04	1.67	2.58	2.40	4.29	40.79
Neosho	3.30	1.19	2.99	4.37	8.49	8.20	3.46	0.24	4.36	7.77	4.33	3.52	52.22
Nevada	1.84	0.70	4.32	1.96	2.70	9.36	3.91	1.53	5.02	4.28	2.02	2.94	40.38
New Madrid	8.56	4.22	6.45	5.75	10.79	4.02	1.23	2.23	5.66	4.13	4.23	7.27	64.54
Oregon	0.12	0.10	3.01	2.57	2.71	4.67	2.13	3.47	8.50	1.96	0.26	0.36	29.86
Osceola	1.48	1.80	4.08	1.92	3.04	6.85	5.17	2.23	3.99	3.64	3.08	2.66	39.94
Owensville										3.06	1.20	3.82	
Pacific	2.08	2.40	4.10	3.22	4.41	5.46	1.48	7.99	3.16	3.21		3.91	
Palmyra	1.24	0.53	3.71	2.41							1.16	1.98	
Parma	5.81	3.69	8.19	4.15	10.13	4.47	3.10	2.28	5.48	3.44	4.45	6.33	61.52
Patton (near)	4.26	4.80	6.32	2.95	6.99	4.88	3.15	6.17	1.23	4.26	2.50	3.66	51.17
Poplar Bluff	7.55	2.89	8.30	6.08	8.52	7.63	2.37	1.57	4.96	3.84	3.36	4.67	61.74
Princeton									3.74	2.22	0.77	0.92	
Rolla	2.54	1.12	4.07	4.42	4.01	4.85	5.38	2.29	4.18	3.98	2.23	4.27	43.34
St. Catharine	0.79	0.21	3.45	3.02	2.13	5.30	1.72	9.55	5.31	2.23	1.73	1.98	37.42
St. Charles	1.89	2.07	3.04	2.99	4.71	5.36	1.12	7.02	2.48	2.69	1.77	4.11	39.25
St. Joseph	0.26	0.20	2.63	2.21	2.80	3.96	2.24	4.34	5.02	2.69	0.68	0.35	27.38
St. Louis (Weather Bureau)	2.08	1.50	4.26	3.20	5.85	4.33	1.83	6.19	3.51	3.74	1.90	3.30	41.69
St. Louis (No. 2)	2.17	1.77	4.53	3.57	5.97	3.11	2.05	5.93	4.62	4.00	2.25	3.70	43.67
Seligman	5.72	2.05	3.09	3.08	7.51	4.05	3.22	0.31	5.68			3.41	
Seymour	4.44	2.23	3.43	3.32	5.95	5.05	6.77	3.70	3.69	3.69	3.58	3.28	49.13
Shelbina	0.53		3.40	1.90	1.89	7.17	1.22	6.43	2.92	1.80		1.55	
Springfield	3.43	1.27	2.40	3.33	4.55	6.10	2.67	0.78	3.82	4.79	3.47	2.92	39.53
Steelville	2.32	2.63	3.73	3.43	4.34	3.77	1.39	4.29		3.76	2.17	4.50	
Steffenville	1.94	0.12	4.65	1.32	3.94	4.69	1.37	7.26	6.20	1.23	1.46	1.67	35.75
Stover									1.64	3.12	2.77	2.58	
Tarkio	0.15	0.18	2.48	3.03	2.81	3.73	0.24	5.20	3.70	1.64	0.30	0.57	24.03
Trenton	0.97	0.20	3.81	2.80	2.49	8.07	2.50	7.19	4.65	2.59	1.49	1.25	38.01
Tuscumbia	1.56	1.61	3.43	2.75	3.56	2.82	4.04	3.59	5.27	3.87	2.36	3.08	37.94
Union	1.86	2.56	4.25	3.18	3.20	5.32	2.73	9.80	3.37	4.22	2.00	4.28	46.77
Unionville	1.30	0.45	4.22	1.25	1.90	4.10	1.90	8.16	4.31	2.75	2.15	1.80	34.29
Valley Park	1.29	2.36	4.53	3.05	5.92	5.78	3.09	5.29	2.91	3.96	2.07	3.88	44.13
Vandiser	7.82	2.91	6.46	4.69	7.98	3.64	2.88	2.17	2.72	3.89	4.25	5.91	55.32
Warrensburg			2.53	3.63	3.01	8.02	2.73	2.10	7.88	3.82	1.91	2.35	
Warrenton	0.98	2.09	4.02	4.58	3.00	5.50	1.38	5.50	2.47	3.07	1.93	3.57	38.09
Warsaw	2.60	1.50	4.50	3.08	2.66	6.25	3.08	2.16	5.43	3.60	2.40	2.96	40.12
Waverly	0.29	0.45	4.38	3.11	2.35	8.15	10.29	2.40	5.93	2.81	1.74	2.69	44.59
Williamsville											2.35	3.67	
Willow Springs							3.57	2.14	2.86	2.99	2.40	5.61	
Montana													
Adel	0.73	4.42	2.22	2.77	5.99	9.15	3.18	4.52	2.19	2.28	1.19	1.10	39.74
Agricultural College	0.25	0.49	0.28	0.73	4.09	3.44	1.53	1.17	0.92	1.34	0.29	0.74	15.27
Anaconda	0.62	1.06	0.48	0.60	1.03	2.30	1.32	0.38	0.50	1.16	0.20	0.50	10.23
Augusta	0.15	0.75	0.55	1.51	1.56	3.92	2.61	4.56	0.28	3.74	0.14	0.70	20.47
Babb	1.16	0.91	1.68	0.90	2.65	5.91	1.82	3.05	0.63	2.58	0.57	1.61	23.47
Baker	1.92	0.25	0.18	1.60	1.23		0.08	1.01	3.33	2.25	0.83	0.30	
Ballantine	0.09	T.	0.04	1.24	2.09	2.34	2.58	1.86	3.87	1.24	0.15	0.28	15.78
Belton	0.69			0.90	3.22	2.76	2.28	2.10	0.21	3.12	3.88	4.59	
Biddle	0.28	0.09	0.36	0.98	1.36	4.22	4.03	4.27	5.27	0.98	0.47		
Big Ox	0.80	0.92	1.22	0.61	1.41	3.56	2.21	3.13	0.20	1.84	0.55	0.74	16.69
Big Sandy		0.41	0.02	0.32	1.17						0.06	0.57	
Bigtimber	0.08	0.42	1.20	2.46	1.22	2.35	1.33	3.62	2.70	2.98	0.08	0.80	19.24
Billings	0.11	0.40	0.75	1.13	2.94	2.68	2.41	2.08	4.84	1.98	0.02	0.33	19.67
Brenner	0.37	0.34	0.96	1.17	2.26	2.99	1.46	1.07	0.51	1.22	0.44	0.64	13.33
Bridger	0.03	0.35	0.50	1.05		0.98	0.47	0.65	5.04	0.46	0.12	0.56	
Broadus	0.23	0.16	0.40	1.06	1.27	4.38	3.88	4.05	3.95	1.18	0.53	0.30	21.39
Browning	0.22	0.41	0.56	0.73	2.27	3.31	2.19	4.71	0.22	1.60	0.26	1.00	17.48
Busby	0.11	0.20	0.66	1.67	1.49	2.14	1.60	0.46	5.60	1.46	0.56	0.23	16.18
Busteed	0.12	0.24	1.01	1.34	2.21	1.77	3.44	2.67	2.40	1.75	0.09	0.68	17.72

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Montana—Continued													
Butte	0.32	0.56	0.84	0.97	2.31	1.94	1.33	1.13	0.17	0.94	0.42	0.72	11.65
Canyon Ferry	0.18	0.34	0.17	0.47	3.42	4.03	1.03	3.17	0.09	0.48	0.21	0.36	13.95
Carter	0.15	0.42	0.03	0.82	1.59	3.69	1.93	2.76	T.	1.15	0.35	0.62	13.51
Cascade	0.43	1.50	0.45	1.66	1.60	8.07	0.98	2.04	0.23	1.16	0.31	0.62	19.05
Chinook	0.45	0.29	0.08	0.62	1.67	6.84	3.07	0.95	0.92	0.46	0.12	0.25	15.72
Choteau	T.	0.69	0.35	0.69	1.84	4.06	4.96	2.20	0.11	2.29	0.18	0.43	17.80
Columbia Falls	1.73	0.95	0.59	0.55	3.51	1.48	1.30	1.13	0.34	1.22	1.01	1.31	15.12
Conrad	0.01	0.40	0.15	1.76	2.37	2.93	3.31	0.96	0.31	1.89	0.10	0.60	14.79
Copper	1.00	0.61	0.76	1.10	3.23	5.44	2.42	3.08	0.30	0.96	0.26	1.17	20.33
Crow Agency	0.09	0.63	0.69	1.87	2.60	2.96	3.73	0.76	6.12	2.20	0.27	0.67	22.59
Culbertson (near)	0.27	0.13	0.13	0.75	1.21	4.52	1.61	0.93	2.95	0.79	1.33	0.04	14.66
Cut Bank	0.14	0.08	0.07	0.73	2.46	3.46	3.12	1.11	0.20	1.70	0.13	1.01	14.21
Dayton	1.42	0.60	0.52	0.47	2.40	2.46	2.13	2.30	0.41	0.47	0.90	1.10	15.18
Deer Lodge	0.84	0.04	0.11	0.57	1.73	4.92	1.63	1.40	0.44	0.35	0.20		
Dell						3.15							
Denton	0.27	0.50	0.46	0.53	1.68	6.26	4.21	2.60	0.76	0.88	0.21	0.49	18.85
Dillon	0.56	0.80	1.31	1.82	4.64	5.01	1.69	0.98	0.52	1.39	0.30	0.50	19.52
Dunkirk	0.38	0.48	0.38	1.07	1.59	3.31	5.21	1.42	0.72	0.57	0.12	0.66	15.91
East Anaconda	0.93	0.79	0.50	0.85	1.40	2.70	0.89	0.63	0.49	0.89	0.36	0.90	11.33
Ekalaka	0.55	0.13		1.15	1.00	3.21	0.97	2.20	3.13	1.50	0.40	0.16	
Ennis					1.02	2.01	2.05	1.40	0.25	0.40	0.48	0.72	
Findon	0.51	0.48	0.52	1.04	2.87	5.95	1.94	4.28	0.57	1.07	0.25	0.95	20.43
Flathead Creek	0.66	0.36	1.32	0.25	2.10	4.99	2.96	1.92	0.95	1.21	0.60	0.96	18.28
Flatwillow			0.18	0.60	2.10	6.19		1.60	1.47	1.43	0.05	0.40	
Fortine	2.04	1.06	0.48	0.57	3.81	2.98	1.33	2.03	0.11	1.02	0.55	1.75	17.73
Fort Shaw	T.	0.48	0.45	1.10	1.66	5.22	2.23	2.10	0.15	1.78	0.18	0.46	15.81
Foster	0.03	0.10		0.82	1.54	2.21	3.21	0.69	2.51	1.84	0.21	0.41	
Frazer										0.38	0.69	0.16	
Garland	0.28	T.	0.27	1.04	1.21	2.71	0.79	1.12	3.91	1.99	0.59	0.34	14.25
Geraldine	0.30	0.82	0.78	1.26	1.96	4.40	2.95	2.17	0.60	0.49	0.10	1.03	16.86
Glasgow	0.63	0.23	0.12	0.51	2.37	10.29	2.66	1.16	0.77	0.23	0.33	0.07	19.37
Glendive	0.16	0.49			1.16	5.02	2.45	0.88	2.64	0.53	1.23	0.09	
Goldbutte	0.87	1.31	0.10	0.49	1.46	1.74	2.67	0.42	0.19	0.59	0.15	0.70	9.69
Great Falls	0.44	1.51	0.84	1.94	2.34	8.02	1.40	1.95	0.17	1.15	0.17	0.52	20.45
Hamilton										1.50		0.51	
Harlem												0.34	
Harlowton	0.01	0.20			1.75	3.60	2.80	0.75					
Haugan	7.37	1.69	2.83	1.51	1.98	4.58	1.21	1.35	0.40	2.02	4.24	4.84	34.02
Havre	1.12	0.32	0.11	1.24	1.23	5.89	4.33	1.47	0.50	0.71	0.17	0.69	17.78
Hays	0.85	0.47		0.68	2.00	8.83	5.45	0.84	1.24	1.56			
Hebgen Dam	2.66	1.25	1.90	2.71	1.94	4.06	3.66	2.03	0.72	1.71	0.84	2.50	25.98
Helena	0.44	0.49	0.37	1.17	2.15	3.24	1.35	1.66	0.16	1.13	0.65	0.56	13.37
Helena Valley					1.39	3.70	1.13	1.43	0.05	1.13	0.11	0.31	
Hercules Ranch	0.72	0.13	0.42	2.17	0.72	3.99	1.06	1.50	3.53	1.96	1.19	0.30	17.69
Heron	7.50	0.68	3.12	1.21	3.49	3.39		1.16	0.63	2.00	3.56	5.38	
Highwood	0.19	0.99	0.47	1.02	2.02	6.56	2.15	1.66	0.72	0.93	0.29	0.50	17.50
Hobson	0.31	0.53	0.83	0.74	2.11	6.29	2.03	2.37	0.72	0.55	0.21	0.57	18.26
Holter	0.30	0.31	0.19	0.95	2.62	3.69	0.97	1.58	0.79	1.37	0.16	0.20	13.13
Kalispell	1.07	0.94	0.42	0.41	2.88	1.49	1.60	0.96	0.23	0.55	0.89	1.55	12.99
Kenilworth										0.89	0.06	0.11	
Kinread	0.15	0.16	0.01	0.85	2.43	2.90	3.50	1.44	0.50	1.03	0.14	0.40	13.51
Kippen											0.07		
Knobles Ranch	0.72	0.63	0.25										
Knowlton	1.03	0.08	0.59	1.96	0.65	1.84	5.20	0.45	2.73	1.44	1.90	0.96	18.83
Lewistown	0.33	0.75	0.64	0.80	1.40	9.56	2.80	2.65	1.07	0.72			
Libby	3.36	0.81	0.38	0.50	4.07	1.97	1.10	1.46	0.05	1.75	1.65	2.97	20.07
Livingston	T.	0.52	0.52	5.84	2.44	3.70	0.93	1.20	1.49	1.55	0.19	0.78	19.25
Lonepine				0.29	2.22	2.27	0.74						
Lothair											0.16	0.84	
Lustre	0.34	0.26	0.40	0.38	2.33	6.94	2.47	1.35	0.78	0.52	0.74		
Lytle	0.40	0.65	0.35	1.45	1.97	3.28	1.98	0.92	0.33	1.58	0.41	1.04	14.36
Malta	0.31	0.52	0.19	0.69	1.76	7.98	3.29	0.99	0.27	0.26	0.16	0.23	16.65
Medicine Lake	0.18			0.22	2.36	3.50	2.80	0.97	2.22	0.65	0.64	T.	
Melstone	0.12												
Mildred	0.67	0.10	0.05	1.70	1.17	3.16	2.35	0.52	3.50	0.50	1.56	0.18	15.46
Miles City	0.41	0.11	0.21	1.53	1.87	1.84	2.51	0.57	4.26	2.59	0.80	0.29	16.99
Minneota											0.20	0.70	
Missoula	0.87	1.21	0.62	0.87	1.55	2.48	2.10	0.75	0.39	1.78	1.08	0.71	14.41
Nelson Reservoir	0.38			0.51	3.37	5.52	2.87	1.54		0.07			
Norris	0.31	0.38	1.15	1.48	2.60	2.85	1.45	1.21	1.44	1.80	0.45	0.65	15.77
Outlook					2.80	4.11	4.08	1.47	2.14	0.53	0.65	0.11	
Ovando	2.21	0.41	0.84	0.86	1.55	2.62	1.66	2.11	0.53	1.61	1.30	1.03	16.73
Parton	0.51	0.31	0.08	0.80	1.41	4.88	1.56	1.69	2.63	0.39	0.65	0.06	14.97
Philipsburg		0.57	0.50	0.72	1.55	3.96	1.60	2.12	0.85	1.70	0.31	0.35	
Pinegrove	0.32	0.75	1.20	0.75	2.16	6.85	5.17	2.92	2.84	1.28	0.11	0.42	24.77
Pipestone Dam		0.56	0.51	0.82	2.33	2.47	1.32	1.70	0.13	0.72	0.24	0.44	
Plains	1.61	0.54	0.94	0.82	3.24	1.98	0.79	1.05	0.20	1.25	1.62	1.28	15.32
Pleasant Valley				0.56	3.47	3.90	0.00	1.64	0.03	1.17	2.28	2.19	
Plevna	1.05		0.45	1.42	0.92	3.59	1.52	0.77	2.59	2.37	0.92	0.36	
Poplar	0.40	0.12	0.04	0.63	1.85	4.69	3.21			0.51	1.66		
Red Lodge	0.14	1.20	2.24	3.13	2.45	3.64	2.14	4.86	9.32	4.14	0.31	1.33	34.90
Renova	T.	0.24	0.21	0.76	2.10	2.32	0.95	1.51	0.45	0.74	0.12	0.26	9.66
Rock Springs		0.46	0.16	1.38	0.91	5.07		0.89	3.88	0.89	0.68	0.49	
Roundup	0.10				1.99	7.24	4.62	2.02	1.33	1.29			
Roy	1.86												
St. Ignatius	0.33	0.97	0.83	1.43	3.32	3.45	2.77	2.78	0.26	1.22	0.70	0.59	18.65
Savage	0.79	0.36	0.29	0.95	0.90	4.56	1.00	1.59	3.44	0.29	1.27	0.10	15.48
Scobey	0.23	0.22	0.22	0.57	1.27	4.38	3.75	1.86	1.12	0.46		0.26	
Sentinel Butte Pass	0.74	0.36	0.18	0.94	2.12	11.32	2.32	0.48	2.22	1.50	0.34	0.12	22.64
Snowbelt	0.69	0.13	0.12	2.05	2.14	7.90	4.35	1.53	2.07	1.56	0.27	0.31	23.12
Springbrook	1.73	0.95	0.52	1.62	1.30	4.19	2.10	1.25	2.88	0.67	0.80	0.11	18.12
Stevensville	1.61	0.56	0.94	0.94	1.19	2.59	3.13	1.39	0.40	1.78	1.39	1.12	17.04
Suis						2.35	1.86	1.41					
Sunset Orchard	2.09	0.74		1.27	2.35		3.37	1.47	0.45	1.85	1.00	1.35	
Superior			1.11	1.43	1.88	3.18	1.85	1.38	0.26	2.07	1.50	1.78	
Thompson Falls	4.47	0.47	1.90	1.58	4.08	3.05	1.01	1.87	0.25	1.39	2.49		

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Montana—Continued													
Three Forks	0.42	0.40	T.	0.54	2.23	3.85	2.27	1.20	0.47	0.14	0.00		
Trout Creek	6.78			1.34	3.11	2.67	1.31	1.23	0.47	2.25	4.05	5.28	
Upper Yaak River	1.92	0.97	0.68	0.72	3.99	2.56	2.23	0.86	0.25	2.22	0.97	2.62	19.99
Utica	0.25	0.57	0.81	0.50	2.56	6.13	2.87	2.48	1.09	0.84	0.13	0.20	18.43
Valentine	0.26	0.14	0.09	0.43	1.88	6.21	3.46	1.04	1.04	0.71	0.05	0.27	15.58
Valier	0.13	0.24	0.18	0.63	2.35	4.07	3.76	2.24	0.34	2.00	0.11	0.73	16.78
Vananda	0.34	0.12		0.88	0.90	4.07		0.30	3.84	1.50	0.35	0.51	
Victor	2.16	0.44		1.46	1.50	1.86	2.29	2.13	0.36	1.62	1.48	1.10	
Virginia City	0.26	0.31	0.18	1.73	2.02	2.24	1.53	1.82	0.57	0.74	0.38	0.69	12.38
Wheaton	0.35	0.08	0.30	1.14	1.29	7.46	7.42	3.19	1.38	0.89	0.08	0.50	24.08
White Sulphur Springs	0.15	0.30	0.20	1.40	2.49	5.21	1.75	2.35	0.10	0.60	0.50	0.65	15.70
White Water	0.67	0.13	0.39	0.94	4.34	6.37	1.49	2.55	0.12	0.59	0.04	0.09	17.72
Wibaux	0.81	0.65	1.12	0.98	1.17	4.04	2.96	0.46	3.32	0.82	1.16	0.10	17.59
Willow Creek Reservoir	0.32	0.86	0.60	1.29	1.52	5.30	2.73	2.85					
Winifred		1.03	0.12	1.33	1.10	5.02	2.83	1.54	0.78	1.28	0.10	0.48	
Wisdom	1.90	0.17	0.80		1.50		1.04						
Wyola	1.40		0.98	1.48	1.68	1.49	2.39	1.07	7.34				
Nebraska													
Ainsworth	0.85	T.	2.10	2.19	7.38	3.79	4.43	4.01	3.08	1.63	0.50	0.80	30.76
Albion	1.01	0.20	0.90	2.95	3.34	4.18	0.71	5.54	5.86	0.77	0.97	0.30	26.73
Alliance	0.47	0.80	0.89	1.40	2.15	5.01	5.18	1.75		1.67			
Alma	0.15	0.10	0.27	2.80	4.45	6.46	1.59	2.42	3.84	2.37	0.22	0.22	24.89
Alda	2.97					2.97	0.41	2.71					
Arcadia	0.15	T.	0.40	1.81	7.14	5.31	2.48	5.90	2.90	0.91	0.39	0.40	27.79
Arden (near)	1.51	0.13	2.64	3.02	2.94	2.84	4.20	7.29	4.48	0.82	0.47	0.67	31.01
Ashland	0.56	0.02	1.22	2.83	3.96	5.04	2.93	4.07		0.53	0.01	0.50	
Atkinson	0.76	0.10	1.20	1.77		2.76	1.76	4.99	4.16	1.06	0.94	0.50	
Auburn	0.61	0.22	3.05	4.66	4.22	3.86	3.79	5.58	3.64	2.04	0.29	1.07	33.03
Aurora	0.74	0.08	2.08	2.58	6.82	4.98	2.06	2.70	10.00	0.53	0.30	0.52	33.39
Beatrice	0.43	0.18	2.46	3.86	3.78	3.48	5.29	4.47	2.39	0.44	0.34	0.46	27.58
Beaver City	0.09	0.20	2.04	2.95	8.26	3.08	1.74	3.06	3.92	3.03	0.17	0.38	28.92
Benkelman	0.10	0.10	0.65	1.71	7.30	5.98	3.35	1.92	0.56	4.39	0.06	0.72	26.84
Bertrand	0.22	0.23	0.45	2.95	6.62	3.70	2.55	3.50	4.42	2.39	0.22	0.31	27.56
Bingham	0.19	0.08		0.45	4.20	4.40	8.61	5.94	2.80	2.27			
Blair	1.13	0.01	3.46	2.78	2.84	6.70	0.41	4.96	5.41	0.62	0.29	0.54	29.09
Bradshaw	0.41	0.10	0.90	2.71	5.66	4.20	0.76	3.83	7.88	0.30	0.51	0.08	27.34
Brewster	0.50	0.05	0.90	2.67	11.77	4.83	2.53	6.38	3.91	1.96	0.80	0.60	36.90
Bridgeport	0.13	0.18	0.30	1.74	3.64	3.35	3.49	2.26	1.73	2.83	0.37	0.38	20.46
Broken Bow	0.13	0.07	0.74	2.91	7.87	3.57	1.46	5.37	2.13	1.02	0.52	0.30	26.09
Bruning	0.15	0.12	1.86	2.85	5.39	4.95	1.92	4.69	5.15	0.46	0.55	0.69	28.75
Burwell	0.24	0.07	0.61	2.40	6.66	4.11	2.52	7.82	4.62	0.61	0.44	0.40	30.5[illegible]
Butte	0.37	0.02	0.51	1.58	4.26	5.08	3.27				0.23	0.50	
Cairo	0.41	T.	1.00	3.89	9.36	5.27	1.04	2.37	6.77	0.76	0.48	0.42	31.7[illegible]
Central City	0.66	0.04	1.36	3.53	5.28	6.99	1.02	3.77	9.21	0.82	0.34	0.99	34.01
Chadron	0.27	0.79	1.45	1.84	3.55	4.88	5.05	3.54	1.38	2.79	0.23	0.70	26.47
Chadron (near)	0.58	0.58	0.49	1.06	3.02	4.50	2.17	3.26	1.59	3.08	0.52	0.38	21.23
Clay Center	0.30	0.10	1.03	1.94	4.55	6.12	0.87	4.10	6.21	0.98	0.24	0.21	26.67
Columbus	0.85	0.15	1.24	3.89	4.41	8.60	2.10	4.99	7.33	0.41	0.10	0.45	34.52
Crete	0.14	0.15	2.43	2.24	4.46	6.14	4.72	4.77	5.55	0.30	0.20	0.10	31.20
Culbertson	T.	0.28	0.76	2.33	7.78	2.81	7.41	3.60	1.43	4.48	0.28	0.44	31.60
Curtis	0.00	0.15	0.60	1.20	5.90	4.40	3.60	4.90	1.90	3.00	0.30	0.30	26.25
David City	0.81	0.11	2.89	3.70	5.56	4.64	0.89	4.65	6.71	0.48	0.33	0.98	31.75
Drexel	0.90	0.09	4.70	3.25	3.33	6.07	1.29	5.34	8.24	0.53	0.30	0.55	34.59
Dumas	0.75	0.05	1.20	1.24	6.19	2.77	4.21	6.88	4.22	0.99	0.40	0.20	29.10
Elm Creek	0.00	0.00	0.57	3.44	6.36	5.94	1.15	2.92	4.66	2.59			
Elsie	0.03	0.17	0.72	2.55	8.62	3.25	3.86	6.82	1.86	4.61	0.46	0.31	33.26
Ericson (near)	0.42	0.10	0.85	1.13	4.77	1.65		7.06	2.80	0.85	0.10	0.35	
Ewing	0.45	T.	1.39	1.97	4.76	4.03	3.56	7.92	5.61	0.35	0.21	0.30	29.95
Fairbury	0.14	0.09	1.62	4.47	4.28	4.94	1.72	5.40	3.42	0.47	0.28	0.29	27.12
Fairmont	0.20	0.15	2.29	2.65	3.67	3.75	1.66	5.57	4.71	0.33	0.45	0.37	25.80
Falls City	0.05	0.17	2.59	2.65	2.30	3.98	5.38	5.18	3.74	1.59	0.10	0.25	27.98
Firth (near)	0.40	0.05	1.35	2.46	3.41	4.15	0.96	4.60	3.86	0.43	0.20	0.31	22.18
Fort Robinson	0.04	0.38	0.58	1.24	2.40				1.68		0.20	0.54	
Franklin	T.	0.18	1.37	2.68	8.59	7.99	2.26	2.74	4.77	2.08	0.44	0.34	33.44
Fremont	0.79	0.04	3.06	3.53	3.08	5.06	2.44	6.29	5.74	0.76	0.37	0.71	31.87
Fullerton	0.44	0.12	2.10	2.57	4.36	8.94	2.60	5.30	6.55	0.90	0.33	0.61	34.22
Geneva	0.51	0.25	2.61	3.19	4.22	6.10	0.84	6.03	4.70	0.45	0.58	0.76	30.24
Genoa	0.56	0.15	1.25	2.96	5.05	9.10	1.43	5.08	6.87	0.94	0.28	1.11	34.78
Gordon	0.26	0.04	0.96	1.70	1.99	4.52	4.03	3.90	1.83	1.83	0.49	0.54	22.60
Gosper	0.15	0.15	0.31	2.25	7.44	4.90	4.61	5.92	2.30	3.25	0.49	0.14	31.91
Gibbon	0.09	0.11	0.97	4.20	8.52	2.25	2.30	4.06	8.84	1.25	0.39	0.37	33.35
Gothenburg	0.02	0.23	1.10	2.29	6.25	3.53	3.40	3.53	1.93	2.52	0.41	0.74	26.15
Grand Island	0.70	0.12	1.78	3.70	5.70	2.62	0.96	3.18	8.33	1.48	0.46	0.45	29.48
Greeley	0.76			2.05	5.40	6.30	1.95	7.60	3.20		0.35		
Guide Rock	0.08	0.16	1.55	2.80	6.15	8.15	3.23	2.29	3.53	1.84	0.52	0.50	30.80
Haigler	0.00	T.	0.37	2.35	9.28	3.70	3.79	3.62	0.68	3.25	0.00	1.05	28.09
Halsey	0.23	0.17	0.76	1.56	7.98	3.56	1.75	4.04	1.87	1.25	0.38	0.30	23.94
Harrisburg	0.26	0.57	0.57	1.11	3.14	4.78	2.20	1.56	1.63	3.04	0.66	0.71	19.53
Harrison	T.	0.52	0.78	1.17	4.46	5.43	5.42	3.55	2.51	2.45		0.55	
Hartington	0.65	0.05	1.52	3.37	4.29	5.18	3.12	10.38	5.94	0.65	0.48	0.80	36.48
Hastings	0.38	0.22	1.20	3.16	5.63	6.85	1.83	3.29	3.93	1.00	0.60	0.26	27.85
Havelock (near)	0.50	0.06	2.21	2.66	2.54	5.76	2.72	5.91	9.90	0.46	0.21	0.68	33.63
Hayes Center	0.17		0.95	2.52	9.02	4.97	5.25	4.71	2.20	5.47	0.85	1.06	
Hay Springs	0.40	0.50	1.10	3.03	2.40	4.58	5.11	3.00	1.56	2.62	0.30	0.75	26.35
Hebron	0.10	0.10	2.00	3.10	6.35	5.50	1.95	2.85	6.50	0.20	0.60	0.55	29.80
Hillside	0.04	0.23	0.56	1.69	4.05	2.56							
Holdrege	0.05	0.15	1.13	4.24	7.38	5.72	1.97	2.40	2.50	1.57	0.42	0.21	27.74
Imperial	0.05	0.37	0.62	1.85	7.71	3.92	1.84	2.87	9.70	4.06	0.33	1.06	28.39
Kearney	T.	0.23	1.71	5.14	6.04	4.58	1.23	2.52	4.09	1.57	0.45	0.46	27.82
Kimball	0.20	0.70	1.15	1.53	3.38	4.70	2.48	3.55	0.55	3.42	0.42	0.45	22.53
Kiowa Camp No. 25		0.15	0.20	0.82	3.37	7.57	1.56		1.19		2.17		
Kowanda	0.14	0.14	0.76	1.45	6.10	4.01		5.63	1.66	2.54	0.43	0.63	
Lake Minatare	0.11	0.34	0.14	0.65	2.53	3.94	5.62	2.54	2.07	2.88	0.13	0.49	23.54
Lexington	T.	0.20	1.15	3.74	6.39	3.41	3.35	2.14	2.93	3.06	0.43	0.26	27.07
Lincoln (Weather Bureau)	0.14	0.07	2.26	2.21	3.31	5.26	1.38	5.50	7.21	0.40	0.20	0.52	28.95

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Nebraska—Continued													
Lincoln (University Farm)	0.17	0.09	2.21	2.36	2.73	6.35	1.88	5.88	10.02	0.30	0.23	0.52	32.74
Lodgepole	T.	0.20	1.30	2.65	6.41	4.37	1.38	4.50	0.87	2.84	0.51	0.45	25.48
Loup City	0.19	0.20	1.20	2.75	8.12	5.38	4.95	5.13	3.87	1.16	0.39	0.42	33.76
Lynch									4.98	1.09	0.18	0.68	
McCook	0.00	0.24	0.59	2.13	7.39	3.21	4.60	2.91	2.17	4.71	0.30	0.16	28.41
McCool Junction	0.50	0.20	2.70	3.12	5.49	4.37	4.17	7.88	9.46	0.38	0.49	0.55	39.31
Madison	0.70	0.10	2.35	2.65	4.20	5.17	1.90	8.08	5.30	0.60	0.40	0.80	32.25
Madrid	0.20	0.40	1.06	2.01	6.92	3.62	2.95	7.03	0.64	3.38	0.80	0.19	29.20
Mary	0.56	0.25	1.03	1.45	6.93	3.41	1.04	6.12	3.75	1.47	0.74	0.55	26.80
Mason City	0.15	0.01	1.15	3.53	7.30	7.95	1.10	4.90	3.65	1.93	0.47	0.80	32.94
Merriman	0.50	0.10	0.38	1.27	2.67	6.40	4.51	3.58	3.20	1.80	0.30	0.48	25.19
Minden	0.03	0.08	1.10	4.20	8.63	3.99	2.00	2.42	4.06	1.26	0.41	0.18	28.36
Mitchell (near)		0.03	0.03	0.30	2.85	5.13	3.34	3.53	1.44	2.65	0.62	0.38	
Nebraska City	0.03	0.01	1.60		2.78	3.98	2.30	6.22	5.43	0.75	0.42		
Neligh	0.69	0.10	1.45	2.30	2.51	4.12	1.78	8.68	5.55	0.87	0.30	0.60	28.95
Nenzel	0.31	0.09	0.91	1.5	3.46	4.52	1.85	2.22	1.22	1.83	0.13	0.43	18.47
Newport	0.63	T.	1.13	2.08	5.05	5.04	2.73	5.88	2.36	2.05	0.25	0.53	27.73
Norfolk	0.70	0.10	1.44	3.32	6.21	4.65	2.77	8.27	7.02	0.75	0.76	0.63	36.62
North Loup	0.47	0.06	1.12	2.60	10.02	7.86	1.90	6.33	3.34	1.48	0.46	0.35	35.99
North Platte	0.11	0.14	0.38	2.02	4.08	4.15	3.63	4.70	0.88	1.77	0.45	0.39	22.70
Oakdale	0.64	0.09	1.25	3.08	3.20	3.85	2.52	7.80	7.37	0.69	0.32	0.56	31.37
Ogallala								4.37	0.71	3.03	0.76	0.34	
Omaha	0.87	0.08	3.95	1.57	2.50	6.00	0.86	4.24	9.32	0.71	0.27	0.58	30.95
O'Neill	0.81	0.18	1.60	2.05	5.83	3.08	3.51	7.74	4.80	1.12	0.25	0.50	31.47
Ord	0.37	0.03	1.10	2.06	9.08	5.39	0.79	8.85	3.36	1.54	0.36	0.35	33.28
Orleans	0.22	0.00	1.13	2.85	9.04	5.06	2.70	2.00	2.05	3.02	0.45	0.45	28.97
Osceola	0.93	0.20	1.90	4.02	4.25	4.64	2.38	3.17	7.08	0.45	0.48	0.94	30.44
Oshkosh	0.19	0.15	1.13	2.20	6.20	2.87	2.62	5.99	1.27	4.63	0.57	0.45	28.57
Palisade	0.03	0.31	0.48	2.23	5.73	4.55	4.53	3.61	1.60	4.46	0.36	0.44	28.33
Pawnee City	0.25	0.22	1.73	5.36	3.86	5.86	3.02	6.91	4.21	0.73	0.23	0.53	32.91
Paxton	0.05	0.36			5.95	2.05	3.97	5.54	1.24	2.73	0.06	0.34	
Peru				3.36	3.87	3.13	1.46	5.00	3.21	1.20			
Plattsmouth	0.17	0.04	4.50	2.55	3.90	5.07	0.81	6.90	2.94	0.70	0.45	0.63	29.66
Potter	0.25	0.37	1.25	3.55	3.55	6.19	1.26	2.27	1.28	3.05	0.44	0.88	24.34
Purdum	0.40	0.26	0.97	2.30	6.44	5.15	3.45	4.74	2.56	1.22	0.41	0.62	28.52
Ravenna	0.22	0.12	1.16	4.26	6.57	5.10	3.41	4.98	3.96	0.86	0.40	0.43	31.47
Red Cloud	0.01	0.17	1.65	3.70	3.66	5.94	2.73	2.76	2.60	1.57	0.42	0.35	25.56
St. Paul	0.20	0.11	0.66	2.88	5.07	4.43	1.91	4.02	4.63	0.88	0.32	0.20	25.31
Santee	0.84	0.16	0.94	1.33	5.27	5.36	1.75	6.58	3.25	0.66	0.06	0.70	26.90
Schuyler	0.77	0.21	2.11	3.87	5.08	5.92	0.99	5.97	6.91	0.66	0.20	0.57	33.26
Scottsbluff	0.07	0.41	0.36	1.28	3.25	3.84	3.16	3.39	0.96	2.55	0.55	0.48	20.30
Seward	0.39	0.08	1.83	2.87	8.20	4.01	0.97	5.14	7.03	0.20	0.45		
Sheep-Creek Camp No. 5	0.02	0.45	0.38	1.03	2.33	4.98	1.99	2.02	2.40	1.84	0.64	0.68	18.76
Sidney (near)	0.10	0.35	0.97	2.14	5.77	5.61	3.74	3.26	0.87	2.73	0.57	0.80	26.91
Springfield	0.46	0.11	4.05	2.42	1.97	5.50	1.78	6.38	8.37	0.52	0.17	0.38	32.11
Stanton	0.38	0.09	2.12	2.58	4.13	5.42	0.36	8.25	6.04	0.51	0.26	0.56	30.70
Stapleton	0.15	0.05	1.40	2.71	7.22	4.54	1.79	4.51	1.24	1.68	0.32	0.45	26.06
Stella				3.55	2.56	4.96	3.82	4.83					
Stratton	T.	0.26	0.41	2.23	7.99	4.50	4.51	2.45	0.94	4.36	0.37	0.60	28.62
Sutherland	0.04	0.25	0.58	1.91	3.98	1.31	2.67	2.56	1.05	2.85	0.86	1.10	19.16
Syracuse	0.23	0.03	2.92	2.10	2.43	4.42	1.07	6.89	2.57	0.39	0.17	0.45	23.77
Table Rock	0.18	0.16	2.27	6.27	3.81	5.25	1.47	6.53	3.99	1.22	0.22	0.47	31.84
Taylor	0.22	T.	1.64	3.36	8.49	4.88	2.57	6.30	5.58	1.47	0.40	0.77	35.68
Tecumseh	0.10	0.12	1.91	3.15	4.68	3.39	2.17	4.91	4.87	0.62	0.15	0.29	26.36
Tekamah	1.10	0.15	2.30	3.98	3.22	5.29	1.98	7.41	5.51	0.74	0.32	0.65	32.65
Upland	T.	0.24	1.42	2.27	4.47	6.01	3.19	3.56	5.35	1.82	0.48	0.42	29.23
Utica	0.36	0.11	1.67	4.08	5.28	4.30	2.06	4.08	11.06	0.26	0.34	0.32	33.92
Valentine	0.49	0.10	0.69	1.34	3.26	3.48	4.01	2.61	1.94	1.68	0.28	0.41	20.29
Wahoo	0.64	0.14	2.82	3.97	4.06	3.67	1.76	4.63	5.84	0.33	0.21	0.90	28.97
Wakefield	0.78	T.	1.90	3.69	5.59	7.23	4.71	11.41	6.84	0.45	0.35	0.65	43.60
Walthill	0.81	0.11	2.20	3.60	4.09	6.68	3.11	7.87	6.82	0.54	0.62	0.54	36.99
Watertown	0.23	0.15	0.70	3.72	7.55	4.46	2.26	2.95	4.70	2.59		0.30	
Wauneta	0.04	0.53	0.37	2.28	6.82	3.52	4.47	2.07	1.26	4.73	0.22	0.78	27.09
Weeping Water	0.45	T.	2.45	2.40	2.15	2.77	0.50	4.70	2.60				
Western					3.54				6.04	0.30	0.25	0.02	
West Point	0.91	0.10	2.50	3.47	4.84	5.44	2.18	7.83	7.56	1.08	0.34	0.83	37.35
York	0.52	0.20	2.70	2.97	4.38	3.80	1.01	3.57	9.21	0.23	0.33	0.63	29.55
Nevada													
Alamo	1.01	0.45	0.57	0.56	T.	0.00	0.07	0.26	0.08	1.14	0.49	0.00	4.72
Arthur	1.22	0.64	0.61	2.18	2.23	2.23	0.38	0.54	1.43	2.08	0.59	1.84	15.97
Austin	1.11	0.24	0.12		1.51	1.12	0.57	0.81	0.43	0.66	0.49	1.44	
Battle Mountain	0.45	0.10	0.10	1.45	1.15	1.60	T.	0.60	0.90	0.20	0.40	1.30	8.25
Beatty	0.48	0.00	0.00	0.15	0.10	0.00	0.13	0.52	0.50	0.46	0.51	0.10	2.95
Beowawe	0.48	0.35	0.12		1.22	1.60	0.55	0.25	0.97	0.50	0.33		
Carson City					0.82	0.18	T.	0.33	0.89	0.83		0.11	
Clover Valley			T.	1.16	2.00	1.79	0.79	0.75	0.68	1.45	0.23	1.11	
Elko	0.43	0.50	0.25	0.85	0.90	0.85	T.	0.55	1.00	0.35	0.10	0.50	6.28
Eureka	1.40	0.62	0.72		1.59	1.46	1.01	0.99	1.67	0.64	0.30	1.25	
Fallon	0.46	0.11	0.19	1.14	0.53	0.56	0.00	0.13	0.69	0.27	0.20	0.56	4.84
Gerlach	0.87	0.00	0.00		0.53	1.77	0.00	0.60	0.53	0.61	0.50	0.48	
Golconda	0.45	0.00	0.00			2.46		0.31		0.23	0.26	0.86	
Gold Creek	1.45	0.41	0.63	1.92	2.84	3.18	0.55	1.75	1.45	0.83	0.51	1.16	16.68
Goldfield	0.70	0.00	0.00		0.61	0.44		0.69	0.62	0.03	0.26	0.20	
Hylton	0.44	0.47	0.61	2.49	2.59	2.16	0.45	0.81	2.13	1.58	0.72	0.98	15.43
Imlay	0.66	0.03	0.00	0.70	0.84	2.25	T.	0.19	1.01	1.33	0.30	0.56	7.87
Jungo	0.35	0.16	T.		0.41	1.31	T.	0.36	0.59	0.15	0.50	0.44	
Lahontan	0.36	0.24	0.18	1.92	0.97	1.17	T.	0.32	0.36	0.06	0.07	0.32	5.97
Lamoille	0.78	0.45	0.99	3.31	4.45	2.77	1.55	1.63	2.07	3.09	0.59	1.76	23.44
Las Vegas	0.07	0.00	0.10	0.10	0.00	0.00	2.20	0.61	0.15	0.22	T.	1.05	4.50
Logandale	0.09	0.28	0.19	0.26	0.00	0.25	0.05	0.04	0.28	0.14	1.17	0.38	3.13
Lovelock	0.69	0.13	0.22	1.14	0.79		0.00	0.28	0.84	0.63	0.27	0.48	
McGill	2.11	0.39	0.55	1.31	1.73	1.12	0.34	1.06	1.53	0.59	0.39	0.80	11.92
Mahoney Ranger Station	1.20	0.61	0.92	2.36	2.00	1.99	0.49	1.89	1.86	2.71	0.45	2.12	18.60
Millett	0.33	T.	0.12	0.25	0.40	0.48	0.65	1.10	0.75	0.45	0.15	0.56	5.24
Mina	1.04	0.15	T.	0.84	T.	1.00	0.00	0.02	0.03	0.00	1.02	0.23	4.33

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Nevada—Continued													
Minden	1.72	0.10	0.20	1.03	0.78	0.79	0.00	0.23	0.71	0.98	0.48	0.25	7.27
Montello	0.35	0.23	0.11	0.69	1.55	0.84	0.76	0.39	0.38	1.29	0.09	0.23	6.91
North Fork	1.07	0.38	0.39	1.47	1.43	1.09	0.67	1.31	1.00	0.87	0.47	1.29	11.44
Orovada [3]	1.10	0.04	T.	1.16	1.06	1.94	------	0.44	1.41	1.99	0.48	0.76	------
Owyhee	------	0.73	0.46	2.31	2.98	------	------	------	------	------	------	------	------
Pahrump	1.03	0.30	0.00	0.10	T.	0.00	0.20	------	1.25	------	------	0.53	------
Paradise Valley	1.70	0.26	0.14	1.91	1.69	1.98	0.64	0.41	0.82	1.23	0.19	1.33	12.30
Quinn River Ranch	0.69	0.00	------	0.57	0.38	1.21	------	0.29	1.41	------	0.25	0.02	------
Reno	1.96	0.35	0.29	1.03	0.69	0.99	0.03	0.73	0.48	0.43	0.01	0.29	7.22
Rye Patch	0.43	0.05	0.06	0.54	0.49	1.66	0.16	0.71	0.73	0.86	0.05	0.38	6.12
Sand Pass	0.94	0.07	0.02	0.75	0.43	0.84	0.00	0.24	0.61	0.72	0.14	0.57	5.33
San Jacinto	0.63	0.13	0.08	1.24	0.67	1.74	1.75	1.15	0.85	0.15	0.10	0.76	9.25
Schurz	0.40	0.12	0.21	0.66	0.54	0.83	T.	2.92	3.57	0.34	0.58	0.30	10.47
Searchlight	0.43	0.23	0.37	0.79	0.00	0.00	2.52	1.60	0.60	------	1.35	0.28	------
Sharp	1.84	0.45	0.25	0.40	0.25	0.10	0.84	1.29	0.92	1.30	0.90	0.00	8.34
Smith	0.81	0.40	0.23	1.12	2.08	0.92	0.05	0.06	0.11	0.55	------	0.18	------
Sulphur	0.96	0.20	T.	0.63	0.91	0.80	0.33	0.38	1.26	0.73	0.28	0.27	6.75
Thorne	0.10	0.00	0.15	0.30	0.30	0.50	0.00	0.27	0.31	0.10	0.35	0.24	2.62
Tonopah	0.76	0.56	0.06	0.61	0.31	0.16	0.27	0.14	1.09	0.01	0.83	0.19	4.99
Tuscarora (near)	0.65	0.55	0.74	2.27	2.85	2.11	0.33	0.51	1.64	1.52	0.41	1.52	15.10
Vya	0.71	0.64	0.29	1.40	1.17	3.25	0.57	0.26	1.07	2.14	0.45	1.52	13.47
Winnemucca	0.91	0.13	0.08	0.79	0.70	2.59	0.24	0.25	1.16	1.05	0.53	1.02	9.42
Yerington	0.66	0.20	0.26	------	1.33	1.50	T.	------	------	------	0.52	T.	------
New Hampshire													
Berlin	3.73	1.10	2.36	5.77	1.69	3.23	2.35	2.90	1.23	2.82	5.44	2.66	35.28
Bethlehem	3.05	------	1.25	5.57	2.22	2.01	3.31	2.62	1.74	2.59	3.63	2.76	------
Concord	3.78	1.03	1.42	4.82	1.47	1.42	4.35	2.19	2.51	2.97	6.10	3.09	35.15
Durham	5.39	1.56	2.24	6.06	2.03	2.32	2.11	2.50	0.97	3.21	4.62	4.17	37.18
Franklin	4.41	1.72	2.76	5.05	1.26	1.56	4.22	2.04	3.15	3.62	5.13	3.72	38.64
Glencliff	4.07	1.30	2.79	6.69	1.87	2.03	2.79	2.49	2.48	3.55	5.01	2.73	37.80
Hanover	2.66	1.48	2.41	5.72	2.50	1.06	3.95	1.30	3.35	4.89	5.20	2.86	37.38
Keene	4.77	1.41	2.01	4.05	1.57	1.55	4.63	3.44	4.39	3.95	5.49	3.71	40.97
Lancaster	2.47	0.66	1.49	4.28	0.89	------	------	------	0.88	1.36	3.02	3.25	------
Lincoln	5.26	1.66	3.16	2.93	2.71	2.73	2.65	2.57	2.94	4.48	5.12	5.74	41.95
Pittsburg (a)	3.04	1.79	3.03	4.69	2.66	5.72	3.23	2.83	5.87	3.98	4.33	3.59	44.76
Pittsburg (b)	3.55	2.65	3.25	4.85	3.13	8.05	4.05	2.83	4.80	4.40	4.02	3.82	49.40
Plymouth	4.50	1.14	2.41	6.27	1.88	1.43	1.92	1.33	2.35	3.60	4.88	3.94	35.65
Profile	5.12	1.36	3.13	3.96	2.12	1.89	4.15	4.11	2.69	5.93	4.67	4.81	43.85
Waterville	------	1.76	3.87	3.90	2.50	2.22	3.03	2.96	3.00	4.09	5.72	4.58	------
West Stewartstown	3.10	1.42	2.96	4.72	2.34	------	------	------	4.41	3.86	4.07	------	------
Woodsville	3.55	1.39	1.72	4.26	2.36	2.08	3.67	------	2.67	3.00	3.57	3.05	------
New Jersey													
Asbury Park	4.86	2.46	3.95	4.62	1.46	0.88	5.59	3.32	3.82	5.38	1.10	4.72	42.16
Atlantic City	4.08	3.17	6.31	4.57	1.08	0.93	5.36	1.27	3.06	3.43	2.56	3.63	39.45
Belle Plain	4.37	3.10	5.50	4.37	0.91	1.65	6.06	1.85	3.10	3.49	2.57	4.54	41.51
Belvidere	5.38	2.46	3.64	2.98	3.13	2.99	4.06	2.47	2.78	4.41	2.65	4.41	41.31
Bergen Point	5.53	1.99	2.73	2.81	2.02	1.73	3.29	1.62	2.74	5.26	2.66	4.39	36.77
Boonton	4.86	1.88	3.15	4.45	1.58	3.64	1.91	1.43	2.98	4.37	1.65	4.05	35.95
Bridgeton	5.49	2.70	4.50	3.66	0.86	1.85	2.82	4.81	5.26	3.11	2.67	3.99	41.72
Burlington	4.96	2.84	3.87	5.11	1.54	2.77	4.35	3.86	3.82	3.38	2.17	4.77	43.44
Camp Dix	3.99	2.87	5.44	6.59	1.12	2.91	4.05	------	------	------	------	------	------
Cape May	3.44	2.92	6.73	3.08	1.13	1.69	4.77	4.02	6.26	3.46	2.37	2.44	42.31
Charlotteburg	5.91	2.19	2.93	3.45	1.87	4.58	2.35	2.22	5.06	5.25	3.45	4.07	43.33
Chatham	5.89	2.51	4.09	4.53	1.35	2.93	3.89	1.57	3.05	6.00	2.58	4.89	43.28
Culvers Lake	5.03	2.03	2.67	2.47	2.91	2.45	2.93	3.36	3.78	3.57	4.09	3.62	38.91
Dover	5.80	3.18	3.21	3.51	2.45	5.44	2.17	1.54	5.23	4.32	3.16	3.83	43.84
Elizabeth	5.68	2.32	3.79	2.84	1.74	1.21	4.69	1.74	2.36	5.08	2.60	4.40	38.45
Flemington	4.58	2.68	4.05	3.49	1.47	1.68	4.79	3.84	4.87	3.79	2.66	4.29	42.19
Hammonton	5.07	3.22	5.59	4.28	0.87	1.70	3.94	------	4.53	3.26	------	------	------
Hightstown	5.49	2.82	5.14	4.24	1.38	0.73	3.30	3.72	4.47	3.39	2.34	4.91	41.93
Highwood	6.40	2.43	3.53	2.94	1.64	4.11	1.86	1.56	3.42	5.03	2.88	3.90	39.70
Imlaystown	4.88	2.86	3.79	4.10	1.11	2.17	4.55	3.44	4.42	2.98	1.54	4.61	40.45
Indian Mills	6.78	3.02	4.97	3.55	1.03	1.18	5.40	2.83	4.76	3.06	2.26	4.44	43.28
Jersey City	6.24	2.47	4.20	2.39	1.85	2.35	4.55	1.26	2.46	4.74	2.37	4.04	38.93
Lakewood	5.74	2.89	4.57	4.59	1.64	1.43	3.96	3.12	4.87	4.98	2.08	4.83	44.70
Lambertville	4.31	1.88	4.09	4.21	1.61	0.56	4.78	3.72	5.05	4.17	2.72	4.99	42.09
Layton	5.10	1.56	2.64	2.34	3.24	3.37	4.09	3.99	2.92	3.71	2.99	3.54	39.49
Little Falls	5.96	2.40	3.68	4.07	1.31	3.22	3.12	1.23	2.24	6.37	2.57	5.14	41.31
Long Branch	6.39	3.02	3.91	5.02	1.48	0.81	5.19	3.24	4.33	5.06	2.02	4.25	44.72
Lumberton	5.21	2.71	4.27	3.79	------	------	------	------	------	------	------	------	------
Moorestown	5.18	2.73	3.87	------	0.95	1.54	4.24	3.32	3.59	3.53	2.05	4.42	------
Newark	7.07	2.37	4.28	3.97	3.62	3.26	6.28	2.59	2.88	4.73	2.74	4.24	48.03
New Brunswick	4.60	2.00	4.08	2.55	1.36	1.10	3.93	1.29	3.87	4.22	2.12	4.06	35.18
New Milford	4.72	------	------	3.00	1.57	2.50	1.13	1.37	4.07	5.55	2.57	3.70	------
Newton	4.29	2.02	2.66	3.41	3.01	2.87	------	1.97	3.45	3.80	3.49	3.45	------
Northfield	3.96	3.08	5.59	4.25	0.94	0.91	5.84	1.52	4.03	3.67	2.86	3.68	40.33
Paterson	5.17	2.21	3.38	2.82	1.39	2.26	2.08	1.24	2.65	5.90	3.45	4.12	36.67
Phillipsburg	4.10	2.34	2.71	2.27	2.69	1.77	2.60	3.59	3.44	4.17	2.27	3.71	35.56
Plainfield	5.67	2.35	4.06	2.82	1.54	1.41	5.42	1.72	3.39	4.41	2.40	4.29	39.48
Pleasantville	3.41	3.28	5.16	4.10	0.67	0.72	4.79	2.10	3.82	3.77	2.56	4.22	38.60
Ridgefield	7.26	2.81	3.60	2.36	------	------	------	------	------	------	------	------	------
Runyon	------	------	------	------	------	------	------	------	------	4.26	2.02	4.61	------
Sandy Hook	5.44	2.30	3.56	2.33	1.32	0.95	2.29	1.96	3.62	4.10	1.80	3.57	33.24
Somerville	------	2.58	4.28	3.23	1.28	2.27	5.81	1.58	4.75	3.88	2.12	4.13	------
South Orange	5.88	2.98	4.12	2.85	1.85	2.27	3.84	------	2.99	4.84	3.44	------	------
Sussex	4.46	1.51	2.13	2.54	2.82	------	------	------	------	------	------	------	------
Trenton	4.13	2.68	3.70	3.34	0.89	1.47	3.18	3.32	4.19	2.35	2.09	3.94	35.26
Tuckerton	3.52	3.74	4.31	4.62	2.32	1.45	4.91	1.70	3.13	4.39	2.06	------	------
Vineland	7.03	2.46	5.68	4.17	0.95	1.98	2.51	2.44	4.08	3.77	2.79	4.67	43.53
Woodcliff Lake	------	------	------	2.66	1.71	2.79	0.93	1.28	2.76	4.82	2.69	3.08	------

[3] Name changed from Rebel Creek.

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
New Mexico													
Abbott	0.00	0.43	0.14	3.20	0.19	1.31	0.64	3.20	1.40	5.91	1.19	1.05	18.66
Agricultural College	0.16	1.66	0.75	0.17	0.00	0.00	1.32	2.96	0.74	0.38	1.38	0.84	10.36
Alamagordo (No. 1)	1.18	1.30	0.39	0.71	0.00	0.09	2.87	3.77	0.53	0.49	2.79	0.92	15.04
Alamagordo (No. 2)	0.63	1.50	0.49	0.69	T.	0.09	1.44	3.66	0.48	0.28	2.21	1.02	12.59
Alamos Ranch	0.98	0.68	0.42	1.24	0.91	0.63	4.23	4.50	2.98			0.59	
Albuquerque	0.14	0.34	0.99	0.70	0.35	T.	0.34	2.34	0.45	0.84	1.10	0.36	7.95
Alma	0.12	0.99	0.82	0.68	0.16	T.	2.28	5.86	1.61	0.47	1.94	2.40	17.33
Ancho	0.35	1.96	0.50	1.05	0.25	T.	2.70	2.63	2.27	1.25	2.93	3.39	19.28
Animas					0.22	0.15	3.90		1.96	0.05	2.10	2.09	
Aragon						0.00	1.40	5.95	0.90	0.18	2.30	3.03	
Artesia	0.38	2.04	0.56	1.20	T.	3.37	0.77	0.09	0.57	1.88	1.03	2.11	14.00
Aspen Grove Ranch	0.49	2.57	2.80	2.14	0.79	1.25	4.66	4.98	2.86	3.50	1.31	3.26	30.61
Aurora	0.13	0.57	1.06	2.02	0.31	3.46	3.86	4.05	2.42	3.00	2.23	1.51	24.62
Aztec	0.77	0.15	1.00	0.46	0.16	0.00	0.59	1.49	1.51	1.05	1.44	1.33	9.95
Baca Ranch Ranger Station	0.40	1.76	1.00	0.60	0.23	1.42	3.90	5.80	1.82	2.48	1.61	2.09	23.11
Baldwin Ranger Station	0.43	0.44	0.38	0.38	0.24	0.11	1.46	5.57	1.68	0.52	1.48	1.72	14.41
Barton	0.68	0.88	1.73	0.80	0.05	0.00	1.28	2.86	0.28	2.84	1.96	1.17	14.53
Bateman's Ranch	1.82	1.56	2.72	1.74	1.15	0.98	3.02	6.11	3.77	3.72	1.72	3.52	31.83
Bell Ranch	0.00	0.63	0.44	2.21	1.33	3.04	1.18	2.43	1.24	8.78	1.27	1.38	23.93
Bellview	0.00	0.93											
Bernalillo					0.52	0.02	0.91	2.07	0.36	1.05	1.26	0.41	
Black Lake	0.07	0.26	0.86	0.79	0.68	3.55	2.29	3.54	1.71	2.76	1.09	1.38	18.98
Blackrock	0.89	0.52	1.65	0.67	0.46	T.	1.71	3.19	3.41	0.63	1.76	1.30	16.19
Bland (near)		1.02	0.92		0.30								
Bloomfield	0.32	0.04	0.21	0.28	0.30	T.	1.32	2.53	2.37	0.88	1.12	0.88	10.25
Boaz	0.75	2.30	0.87	0.86	0.46	2.14	2.04	0.56	0.88	4.66	0.99	1.13	17.64
Buchanan	0.31	1.20				0.54		2.18	1.18		1.87		
Cambray	T.	1.51	0.25	0.10	T.	0.00	0.70	5.38	0.89	0.22	1.11	2.01	12.17
Campana	0.00	0.70	0.59	2.53	2.90	2.03	1.50	3.66	1.49	6.45	1.73	1.18	24.76
Canon De Chama						1.30	1.19	3.43	2.18	2.36	0.72	1.99	
Capitan	0.79	2.04	0.97	0.75	0.26	0.99	1.83	3.19	0.48	1.13	1.62	2.93	16.98
Capulin Ranger Station	0.37	0.43	0.61	0.73	0.80	1.30	1.25	3.81	2.57	1.41	0.98	1.52	15.68
Carlsbad	0.46	1.56	0.50	1.10	T.	2.45	1.43	1.11	0.59	3.24	0.30	2.13	14.87
Carrizozo	0.41	1.44	0.85	0.80	0.21	T.	1.33	3.01	2.18	0.68	2.65	4.07	17.58
Carson Seep Ranger Station	0.80	1.87	0.87	1.61	0.00	1.28	4.44	3.59	1.43	1.62	1.50	2.52	21.53
Chaco Canyon	0.22	0.80	0.94	T.	0.36	T.	1.28	2.52					
Chacon	0.62	0.88	1.88	1.58	0.39	2.27	3.07	4.32	2.21	2.86	1.32	1.72	23.12
Chama	1.03	1.47	1.40	1.40	1.25	1.45	1.10	6.43	2.65	0.20	1.75	3.63	23.76
Chamberino								1.92	0.59	0.40	0.64	0.94	
Chloride Ranger Station	0.09	0.99	0.17	0.50	0.10	0.05	2.84	2.99	3.85	0.71	1.89	4.65	18.83
Cimarron (near)	0.00	0.41	0.33	0.48	0.42	3.56	3.13	4.19	1.89	3.42	0.59	0.67	19.09
Clayton	0.06	0.59	0.83	1.50	1.63	3.12	1.97	2.89	1.88	4.42	0.74	1.48	21.05
Cloudcroft	1.15	2.52	1.51	0.75	1.20	0.41	5.90	7.21	1.48	T.	3.51	3.58	29.22
Cloverdale	0.00	0.73	0.80	0.00	0.00	T.							
Cloverdale Ranger Station	0.48	2.05	0.70	0.27	0.00	0.10	2.99	6.85	1.52	0.00	5.75	5.59	26.30
Clovis	0.00	1.39	1.70	2.86	0.82	12.31	0.99	1.25	1.85	9.93	1.66	1.30	36.06
Colmor						3.19	1.79	5.08	0.97	1.99	1.23	0.72	
Columbus	0.95	1.62	0.12	0.15	0.00	0.00	0.75	4.66	0.68	0.38	1.52	2.10	12.93
Corona	0.51	1.39	0.17	0.45	0.10	0.32	1.50	2.44	0.35	1.80	2.02	2.12	13.17
Crown Point					T.	0.00	1.20	4.88	2.40		0.90	1.43	
Cousins	0.28	0.79	1.33		0.10								
Cuervo	0.00	1.85	0.47	2.60	0.15	1.40	0.80	3.20	1.12	5.34	2.32	1.56	20.81
Cundiyo	0.29	0.34	1.18	1.01	0.20	0.01	0.05	2.42	0.15				
Dawson	0.00	0.29	0.04	0.68	0.35	6.09	3.77	3.72	2.39	3.81	0.29	0.52	21.95
Deming (No. 1)	0.02	0.74	0.01	0.72	0.02	0.00	1.07	4.45	1.80	0.15	0.78	0.64	10.40
Deming (No. 2)	0.08	0.50	0.01	0.58	0.05	T.	0.84	5.83	2.13	0.42	1.17	1.51	13.12
Demonstration Farm						1.67	3.21	3.93	0.13	2.89	1.34	1.90	
Des Moines	0.00	0.35	1.07	2.06	0.22	3.13	2.55	10.17	3.95	5.01	0.95	1.07	30.53
Diener				0.97	0.23	0.00	2.75	8.04	6.74	1.16	0.98	1.67	
Dufur Ranch		0.24											
Dulce	0.81	0.96	1.19	1.50	0.96	1.78	2.76	4.17	4.53	2.01	0.71	2.19	23.57
Duran	0.26	1.54	0.42	0.28	0.24	1.16	1.10	2.38	1.02	2.23	2.14	1.95	14.72
Eagle Rock Ranger Station	0.15	0.29				1.95	1.96	2.25	4.01		0.89	0.51	
Elephant Butte Dam	T.	1.17	0.24	0.00	0.00	T.	0.65	4.64	0.49	0.25	2.12	2.94	12.50
Elida	0.65	1.45	0.96	1.38	1.00	4.37	1.61	1.08	1.23	4.13	0.63	1.38	19.87
Elizabethtown	0.64	0.72	1.83	1.71	0.52	2.83	5.15	4.40	1.70	1.20	1.17	1.94	23.81
Elk (near)	0.73	1.60	0.86	0.78	0.04	0.36	3.24	2.90	1.97	5.39	0.96	1.92	20.75
El Paso Gap					0.00	0.78	2.76	7.28	1.95	0.64			
El Vado (near)		0.43	1.86	0.98	0.61	1.12	1.48	3.98	2.01	1.63	1.48	1.75	
Espanola	0.02	0.43	0.56	1.05	1.20	0.13	0.30	4.20					
Estancia	0.27	1.12	0.77	0.73	0.01	0.09	1.51	2.44	1.18	1.83	1.47	1.23	12.65
Estrella							1.46	2.66	2.57	1.10	0.35		
Farmington	0.43	0.14	0.46	0.37	0.21	0.00	0.83	3.07	2.84	0.34	1.50	1.33	11.52
Field (near)	T.	1.48	1.84	3.17	0.19	2.75	2.95	1.82	2.02	7.37	1.68	1.43	26.70
Fort Bayard	0.30	1.45	0.75	0.56	0.16	0.90	3.90	5.54	3.78	0.28	1.98	1.99	21.59
Fort Stanton	0.46	1.25	0.45	1.35	0.15	0.48	3.27	2.37	0.94	1.40	1.58	1.29	14.99
Fort Sumner	0.36	1.97	0.50	1.44	0.25	1.79	0.38	0.79	0.08	7.20	2.61	3.38	20.75
Fruitland	0.35	0.05	0.26	0.38	0.30	T.				0.74	0.83	0.89	
Gage	T.	1.83	0.00	T.	0.06	0.00	0.66	5.48	2.03	0.36	1.70	3.69	15.81
Gallinas Planting Station	0.02	1.23	1.56	2.49	1.11	2.68	4.64	3.87	0.87	3.94	3.50	1.65	27.56
Gallinas Ranger Station		2.10	0.60		0.10	0.35	0.77	3.00	1.28	0.79	0.40	2.36	
Gallup	0.58	0.48	0.85	0.40	0.48	0.00	2.27	2.42	3.15	1.22	1.52	1.30	14.67
Garfield	0.03	1.59	0.40	0.00	0.00	0.00	1.24	3.35	2.07	0.22	1.17	1.82	11.89
Gibson	0.91	0.70	0.83	0.62	0.36	0.00	1.78	2.76	2.66	1.57	1.02	0.99	14.20
Glenrio	0.00	0.29	1.81	1.18	0.86	3.00	1.50	6.10	0.49	4.60	1.68	1.79	23.30
Glorieta Ranch	0.18	0.62	0.56	0.59	T.	0.00	2.86	2.91	0.75	0.77	1.60	3.70	14.54
Hachita	T.	1.14	T.	0.50	0.20	0.00	2.22	4.42	2.32	T.	2.39	2.18	15.37
Hagerman	0.82	2.37	0.44										
Harvey's Upper Ranch	0.20	2.33	2.67	3.08	1.92	1.73	2.99	7.96	2.05	4.65			
Hayden (near)	0.00	0.69	0.34	1.65	T.	4.20	1.60	3.70	4.75	4.60	1.06	1.02	23.61
Haynes	0.35	0.45	0.70	1.36	0.39	T.	2.70	2.53	2.49	2.56	1.09	1.50	16.12
Hermosa	0.20	1.98	0.55	0.41	0.20	0.46	4.06	5.53	2.10	0.82	1.64	6.94	24.86
Hobbs	0.36	2.44	0.75	2.58	0.47	1.37	2.56	1.87	4.80	6.64	0.34	1.55	25.73
Hood Ranger Station	0.15	1.48	1.35	1.01	0.00	0.00	3.29	4.93	1.78	0.19	3.47	1.43	19.08
Hoosier Ranch	0.00	0.71	0.21	1.84	0.05	1.70	1.23	2.48	2.28	7.59	2.14	2.10	22.33
Hope	0.40	2.94	0.58	0.42	0.43	1.37	0.60	1.20	2.42	1.95	1.51	2.82	16.64

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
New Mexico—Continued													
Ione	0.00	0.84	0.83	2.78	0.83	5.51	1.13	8.71	2.77	5.79	1.31	2.17	32.67
Jal	0.00	0.75	0.52	1.75	0.20	0.25	0.90	0.88	2.64	4.93	0.89	1.68	15.39
Jemez Springs	0.05	0.91	0.81	1.19	0.81	0.45	3.66	3.22	3.27	1.49	1.73	1.26	18.85
Jewett Ranger Station						0.03	1.68	4.54	2.48	0.78	2.14	1.72	
Johnsons Park	0.00	0.04	0.04	1.59	0.60	2.39	1.06	5.37	2.98	4.19			
Kingston Ranger Station	0.45	1.75	0.64	0.00	0.00	0.11	3.72	6.06	2.31	0.77	2.62	4.05	22.48
Lagunita	0.52	1.54	0.50	1.80	0.28	0.19	0.64	2.11	1.25	5.14	1.59	2.30	17.86
La Jara Ranger Station			0.91	1.14	1.13	1.61	2.13	4.04	3.15		0.60	1.46	
Lake Alice (near)	T.	0.54	1.00	2.90	2.05	4.40	3.25	4.80	2.68	6.40	0.95	1.47	30.44
Lake Avalon	0.35	1.59	0.48	1.24	0.00	1.83	0.90	2.00	0.69	1.62	0.37	1.55	12.62
Lake Valley	0.05	1.40	0.33	0.12	T.	T.	2.07	7.46	1.78	0.35	1.62	2.31	17.49
Lakewood (near)	0.18	1.54	0.46	0.75	0.25	0.90	2.50	0.60	2.35	1.73	0.35	2.23	13.84
Lanark	0.10	1.10	0.35	0.20	0.00	0.00							
Las Vegas	0.00	0.49	1.20	2.26	1.01	1.12	2.71	4.76	0.59	3.11	1.17	1.05	19.47
Lees Ranch										0.53	6.06	2.54	
Levy	0.00	0.70	0.69	2.61	1.12	1.46	3.63	5.52	0.76	1.54	0.87	0.95	19.75
Lindrith	0.30	0.30	0.55	0.00	0.55	0.58	0.48	2.80	3.61	1.53	0.70	1.60	13.00
Logan (near)	0.00	0.98	1.47	4.30	0.69	3.40	0.14	4.81	2.55	6.26	2.15	1.92	28.67
Lordsburg	0.08	0.82	0.00	0.55	0.15	0.00	0.65	2.80	1.60	0.00	1.10	1.30	9.05
Los Lunas (near)	0.21	0.13	0.90	0.85	0.38	0.00	0.72	2.09	1.01	1.21	1.35	0.22	9.07
Loving	0.59	2.08	0.74	0.67	0.12	1.47	0.36	1.53	1.89	4.72	0.55	1.95	16.67
Lovington	0.50	2.01	0.40	2.04	0.20	1.63	1.36	1.55	4.57	3.62	0.55	0.94	19.37
Luna Ranger Station	1.30	0.91	0.64	0.26	0.11	0.00	3.62	7.14	2.65	1.78	2.07	2.26	22.74
Magdalena	0.30	0.44	0.10	0.95		0.13	1.73	7.96	0.90	0.55	1.60		
Maxwell (near)	0.00	0.07	0.16	0.53	0.79	1.62	2.99	2.80	2.21	3.87	0.75	0.73	16.51
Mayhill Ranger Station	0.58	1.00	1.04	0.65	0.22	1.32	3.19	5.01	3.01	1.94	1.05	2.83	21.84
McGaffey Ranger Station	1.50	1.16	0.92	1.02	0.91	T.	1.53	4.14	3.42	1.58			
Melrose	0.09	1.48	1.39	3.09	0.16	2.69	1.46	4.72	2.95	5.13	1.45	2.02	26.63
Mescalero	1.24	2.13	1.09	0.74	0.80	0.19	3.10	7.75	1.33	0.55	1.90	2.87	23.69
Miami	0.00	0.44	0.51	1.16	0.20	3.88	1.96	4.68	0.30	8.26	1.26	0.73	23.38
Miller-Thorne Ranch	0.50	3.20	0.84	0.33	0.20	0.67	1.36	2.66	3.85	2.10	0.32	2.35	18.38
Mills (No. 1)	0.00	0.52	0.52	1.65	0.50	4.56	1.81	5.79	2.11	6.20	0.94	1.16	25.26
Mineral Hill	T.	1.68	1.25	1.92	0.45	2.30	5.85	4.29					
Mogollon	0.25	2.05	1.47	0.60	0.25	0.00	1.92	9.10	2.00	0.22	0.66	2.50	21.02
Montoya	0.00	1.45	0.76	2.89	0.12	3.51	0.44	3.10	1.50	6.48	1.84	2.62	24.71
Mosquero	0.00	1.58	0.51	1.48	0.85	2.74	3.26	2.33	1.84	4.52	2.10	1.74	22.95
Mountainair	1.06	1.50	0.75	1.20	0.20	0.00	4.30	3.78		1.52			
Mountain Park	1.16	1.90	1.59	0.97	0.52	0.58	2.18	6.87	1.85	0.41	2.49	2.80	23.32
Nara Visa	0.00	0.84	1.38	3.71	1.14	4.76	1.27	4.67	2.33	7.91	1.79	1.21	31.01
Newman	0.31	1.10	0.38	0.19	T.	T.	0.59	1.98	0.55	0.58	0.55	0.65	6.88
Nogal (near)	1.75	2.68	1.54	1.55	0.87	0.84	2.59	4.68	2.47	0.96	3.75	4.25	27.93
Olive (near)	0.78	1.76	0.94	1.02	0.96	1.75	0.43	0.95	0.51	5.47	1.18	2.05	17.80
Orogrande	0.09	1.45	0.69	0.24	0.00	0.20	1.70	1.97	0.52	0.41	0.57	0.88	8.72
Oscura	0.59	1.47	0.58	1.40	0.24	T.	1.85	4.12	1.16	0.41	2.05	1.08	14.95
Palma	T.	0.85	0.85	1.18	0.00	0.35	1.56	1.28	0.38	1.95	0.85	2.10	11.35
Palo Verde	0.00	0.80	0.63	1.86	0.08	3.69	1.68	3.11	1.51	8.17	1.16	1.78	24.47
Pasamonte	0.00	0.77	0.68	2.52	1.22	5.69	2.43	2.61	2.61	6.78	0.90	1.02	27.23
Pastura	0.15	1.02	0.63	1.60	0.08	0.12	0.89	3.36	0.88	3.43	2.68	1.44	16.28
Pearl (near)	0.33	3.25	0.78	3.42	0.12	0.40	2.30	2.94	0.14	6.77		1.84	
Pecos Ranger Station			1.53	3.55	0.51	0.94	2.92	3.77	1.70	1.12	1.04	0.56	
Pinon (near)	0.36	2.16	1.32	0.09	0.11	0.42							
Pinos Altos (near)	0.45	2.21	0.83	0.37	0.21	0.51		8.18	2.80	0.32	1.54	3.38	
Plainview (near)	0.14	1.86	0.55	1.59	0.17	1.60	0.97	2.37	3.77	4.59	0.77	1.60	19.94
Pleasant Hill	T.	0.49	1.83	2.07	0.26	9.55	0.75	0.41	1.81	7.34	1.01	1.42	26.98
Portales (near)	0.23	1.41	1.08	1.63									
Porter						3.73	1.77	2.96	1.14	7.72	2.00	2.65	
Quay					0.10	3.22	1.32	3.02	0.86	6.89	1.99	4.00	
Quemado												4.12	
Raton (near)	0.00	0.14	0.14	1.52	0.27	1.76	0.41	3.80	2.32	4.71	0.43	0.61	16.11
Red River Canyon	0.62	1.15	2.15	1.44	0.70	1.81	2.80	3.09	3.15	2.91	1.08	1.97	22.87
Redrock	0.05	1.39	0.25	0.10	0.00	0.00	1.20	4.59	0.87	0.43	1.33	1.98	12.19
Regina	0.37	0.44	0.51	0.34	0.92	0.50	2.29	3.09	3.45	2.59	0.47	1.55	16.43
Richland (near)	0.89	1.52	0.99	0.95	0.95	4.98	2.31	1.39	2.31	4.47	0.58	1.62	22.96
Rociada		1.04		2.77	0.81	2.72	5.70	5.21	1.37	2.59	2.72	3.45	
Rodeo	0.18	0.26	T.	0.00	T.	0.00	2.70	3.09	5.13	0.00	1.99	2.25	15.60
Rosedale (near)	0.15	0.56	0.89	0.15	0.00	T.	2.66	4.66	1.14	0.52	1.60	2.23	14.56
Roswell	0.44	1.96	0.24	0.96	0.10	1.18	2.59	0.78	5.74	3.14	1.05	1.89	20.04
Roy	0.00	0.57	0.38	1.46	0.19	3.49	1.91	2.89	1.42	8.58	1.50	1.32	23.71
St. Vrain (near)	0.05	1.41	1.99	1.75	0.17	4.47	1.02	0.78	1.53	6.13	1.78	2.32	23.40
San Antone Ranger Station	0.30	1.28	1.52	0.58	0.40	1.49	1.18	3.57	2.28	2.53	0.80	2.18	17.91
San Fidel	T.	0.90	0.80	0.28	T.	0.20	1.53	5.38	2.58	1.10	1.65	1.47	15.89
San Jon (near)	0.00	0.82	1.50	2.57	0.25	4.77	1.45	1.52	1.51	9.56	1.99	0.79	26.73
San Marcial	0.66	0.54	0.28	0.29	0.04	0.00	0.33	1.22	0.75	0.72	1.24	1.13	7.20
Santa Fe	0.12	0.25	1.28	1.60	1.02	0.24	2.06	2.33	1.10	2.43	0.82	0.98	14.23
Santa Fe Canyon						0.80	2.68	4.37	1.21		0.73	0.66	
Santa Rosa	T.	1.90	1.37	1.25	0.24	1.60	0.95	2.60	0.45	5.68	2.21	1.37	19.62
Senorito (near)	0.44	0.41	1.58	1.24	0.76	1.26	3.61	5.13	2.39	3.21	0.98	2.14	23.15
Servilleta (near)	0.03	0.08	0.85	0.47	0.43	1.28	2.84	1.73	2.72	2.33	0.83	1.12	14.71
Silver City		1.55	0.47	0.91	0.13	0.12	2.99	4.27	0.89	0.53	1.44	2.96	
Socorro	0.45	0.86	0.48	0.09	T.	T.	1.48	2.54	0.59	0.25	1.22	0.84	8.80
Solano	0.00	1.57	0.49	1.40	0.68	2.92	2.82	2.43	3.90	5.02	2.35	0.86	24.44
Springer	0.00	0.50	0.24	2.77	0.18	3.01	2.86	6.18	1.21	3.68	1.02	0.70	22.35
Stanley	0.00	0.80	0.71	0.69	0.55	0.27	2.18	3.26	0.56	4.63	1.30	0.70	15.55
Tajique (near)	0.40	1.76	1.18	0.96	0.79	0.05	3.21	4.36	0.57	2.66	2.90	3.23	22.07
Taos	0.20	0.31	1.14	0.88	0.68	0.74	2.04	1.61	2.04	2.74	0.90	1.00	14.28
Taos Canyon	0.88	0.63	1.52	2.10	1.01	1.19	1.75	2.48	1.80	3.03	0.73	1.66	18.78
Tatum	0.75	2.94	1.09	1.17	0.23	2.75	0.73	1.54	2.62	6.04	1.01	2.61	24.08
Taylor	0.00	0.48	0.11	1.93	0.15	2.78	2.73	6.61	2.00	2.49	1.42	0.87	22.66
Texico (near)	0.25	1.50	1.86	2.78	1.63	9.14	0.95	0.63	2.19	8.25	1.79	2.90	33.87
Three Rivers	0.61	1.79	0.58	0.71	0.02	0.00	1.28	4.56	0.41	0.28	2.41	1.08	13.67
Tijeras Canyon Ranger Station	0.26	0.70	0.57	0.25	1.52	0.00	2.07	4.20	0.84	2.14	2.23	1.36	16.14
Tinaja	1.17	1.65	2.79	1.06	0.56						1.60	1.85	
Tohatchi									3.60	1.98	1.20	1.59	
Torrance	0.65	1.57	0.20	0.04	0.12	0.78	1.88	2.61	0.79	3.58	1.58	1.54	15.34
Trementina	0.00	0.82	0.36	2.79	1.08	2.17	0.96	3.22	2.84	6.82	2.45	2.17	26.18
Tres Piedras	0.12	0.79	0.74	0.60	0.40	2.07	2.55	4.07	2.27	4.19	0.30	1.15	19.25

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
New Mexico—Continued													
Truchas	0.37	0.39	1.43	2.26	1.43	0.37	0.81	3.14	2.45	2.66	1.03	0.90	17.24
Tucumcari (No. 1)	0.00	0.96	1.04	3.35	1.92	3.55	0.63	5.64	1.78	7.51	1.69	1.64	29.71
Tucumcari (No. 2)	0.00	0.70	1.07	3.21	0.52	4.88	0.89	5.04	1.74	6.43	1.67	2.62	28.77
Tularosa	0.41	1.41	0.40	0.70	0.00	T.	1.42	3.18	0.16	0.59	1.75	0.65	10.61
Turney's Ranch	0.38	1.16	0.78	0.29	0.00	0.65	0.68	1.53	1.74	0.21	0.57	1.49	9.48
Tyrone	0.27	1.43	0.62	0.48	0.25	0.40	3.65	4.09	1.85	0.40	2.75	2.80	18.99
Vallecitos (near)						0.94	1.55	7.03	3.33	3.68	2.82		
Valley View						3.79	1.98	0.95	3.08	5.17	0.83	2.02	
Valmora	T.	0.53	1.70	3.56	0.99	1.10	1.85	5.50	1.29				
Vance (near)	0.00	0.68	0.60	2.27	1.63	4.99	3.18	2.79	2.67	6.86	1.06	1.37	28.10
Vaughn	0.07	0.52	0.13	0.60	0.17	1.16	1.54	2.60	1.01	1.23	1.34	1.57	11.94
Ventanes								5.29	0.66	8.79	2.02		
Virsylvia	0.00	0.07	1.81	0.71	0.25	1.42	2.28	4.19	4.07	3.30	0.80	1.12	20.02
Weed Ranger Station	0.75	1.79	2.13	0.52	0.41	1.17	4.73	7.38	2.41	1.17	1.42	3.09	26.97
White Oaks (near)	0.80	1.90	1.85	0.91	0.60	1.35	2.07	4.77	1.49	1.29	1.27	3.25	21.55
White Tail	0.63	1.69	1.41	1.10	0.91	0.99	2.21	6.29	2.50	1.03	2.25	3.58	24.59
Willard (near)	0.13	0.52	0.27				1.25						
Winsor's Ranch	0.02	0.86	2.11	2.53	1.29	1.43	4.82	2.64	2.02	2.86	2.35	1.94	24.87
New York													
Addison	2.09	0.84	1.36	2.42	2.66	2.08	3.34	2.82	2.66	2.60	1.26	3.46	27.59
Albany	4.65	1.24	1.09	2.63	1.65	3.07	3.89	2.21	4.01	2.86	4.42	3.17	34.89
Alfred	2.65	1.10	1.75	2.62	2.63	3.17	3.68	0.65	3.53	2.28	1.71	3.42	29.19
Amsterdam	5.08	1.53	0.99	3.43	1.90	4.38	4.98	3.61	4.48	2.39	2.88	2.28	37.93
Andover	2.57	1.20	1.42	2.52	2.31	2.66	5.33	0.47	3.71	2.09	1.97	2.80	29.05
Angelica	4.02	1.36	1.24	2.38	2.69	3.80	2.84	1.41	4.31	3.38	2.41	3.81	33.65
Appleton	1.70	1.22	1.51	1.54	3.35	2.42		1.76					
Auburn	3.59	1.83	2.43	2.28	2.82	3.87	1.64	0.98	3.92	2.99	2.25	2.95	31.55
Avon			1.17	0.76	2.23	5.07		1.74	2.73	1.89	2.00	2.01	
Bainbridge	3.82	2.31	2.57	3.10	4.09	3.59	4.54	2.42	3.79	2.99	1.88	4.11	39.21
Ballston Lake	5.29	1.52	2.02	3.79	2.55	3.68	3.38	3.01	3.71	3.42	3.97	3.91	40.25
Bedford Hills	6.20	2.70	3.15	2.95	1.90	5.10	1.74	1.59	2.83	6.28	3.35	4.30	42.09
Binghamton	3.48	1.57	1.26	2.23	3.17	3.64	2.26	2.19	3.55	3.31	1.59	2.69	30.94
Bolivar	5.30	3.15	1.00	1.01	1.93	3.80	3.10	2.88	4.74	1.50	2.29	5.25	35.95
Bolton	8.33	0.94	3.00	3.90	2.43	1.84	2.41	3.38	4.42	2.82	3.76	3.49	40.72
Boyds Corners	5.87	1.83	2.77	3.81	2.77	2.72	2.69	2.24	4.65	7.83	4.75	4.63	46.56
Brockport	2.21	1.23	2.60	1.02	3.03	4.05	1.93	1.30	1.74	1.57	3.78	3.55	28.01
Brooklyn (Eagle office)	6.54	2.35	4.25	2.16	1.63	1.73	4.17	1.50	2.53	4.18	2.47	4.13	37.64
Buffalo	3.27	1.24	1.70	1.17	3.06	3.64	0.71	1.26	1.86	1.66	2.74	3.00	25.31
Canton	2.86	1.67	2.07	2.41	3.20	4.49	1.18	2.36	2.10	3.42	3.84	2.51	32.11
Cape Vincent	2.71	1.53	2.11	1.68	3.37	2.74	0.83	1.47	2.55	3.59	4.46		
Carmel	5.41	1.62	2.47	2.98	2.43	2.77	2.81	2.31	3.65	6.56	3.74	4.09	40.84
Chazy	2.35	0.60	0.65	1.66	1.95	2.67	1.79	0.62	3.38	2.13	1.89	0.83	20.52
Conklinville											3.61		
Cooperstown	4.85	1.49	1.77	3.28	2.85	4.40	3.40	2.94	4.15	2.96	2.52	3.43	38.04
Copenhagen				2.57		3.24	2.13	2.64	2.61	5.26	2.36	4.05	
Cortland	4.08	1.14	1.50	3.33	2.54	2.40	2.07	1.14	3.11	3.42	2.92	2.95	30.60
Cutchogue	5.88	2.48	4.02	4.22	0.95	4.08	2.83	1.66	3.18	6.36	3.66	5.41	44.73
Dannemora	3.65	2.46	2.65	2.81	2.80	4.40	2.11	3.98	3.82	4.28	3.22	2.61	38.79
Dansville	1.66	0.73	1.18	1.95	1.19	2.46	2.29	0.20	2.05	1.82	1.61	1.88	19.02
De Ruyter	4.86	2.03	2.54	3.34	2.58	4.05	1.97	1.24	4.91	3.41	2.53	3.01	36.47
Dolgeville	3.82	2.13	2.31	3.38	3.79	4.62	4.48	3.75	4.39	2.67	2.56	4.46	42.36
Effley Falls				2.63	3.27	1.99							
Elmira	2.05	0.82	0.91	2.39	2.55	1.93	2.99	1.03	4.48	2.56	1.86	2.29	25.86
Flushing	7.51	2.36	4.44	2.52	1.93	2.10	4.56	1.29	2.93	4.89	2.91	4.63	42.07
Fredonia	2.72	1.51	1.94	2.25	2.63	3.57	1.41	1.15	2.40	2.11	3.32	5.56	30.57
Gabriels	3.70	2.77	3.10		2.83	6.07	1.21	3.23	4.16	4.09	2.32	2.67	
Geneva	4.70	2.05	2.64	1.44	2.52	4.19	3.53	0.68	2.71	2.64	1.66	2.39	31.15
Glens Falls	6.25	1.39	2.94	3.99	2.45	1.76	4.08	2.32	4.36	3.47	4.64	2.51	40.16
Gloversville	5.17	2.29	3.63	3.73	1.66	4.56	3.93	2.15	4.45	2.35	4.24	3.27	41.43
Grafton									5.10	3.30			
Greenfield Center	6.07	1.45	3.02	4.61	2.73	2.90	2.48	3.27	4.62	2.39	4.40	3.31	41.27
Harkness	1.94	0.74	1.63	2.16	1.91	3.37	1.11	1.16	2.81	2.04	2.04	0.93	21.84
Haskinville	3.81	1.21	1.53	2.25	2.17	3.07	3.88	0.75	2.75	2.00	1.77	2.42	27.61
Hemlock	2.27	1.07	1.47	1.60	2.45	4.16	2.57	1.34	2.49	1.86	1.56	2.30	25.14
Hoffmeister	6.42	3.07	5.74	4.43	4.67	4.87	2.61	4.96	4.08	4.07	3.44	5.40	53.82
Hoosick Falls	3.80											2.40	
Hudson	5.45	1.53	1.22	2.49	1.81	4.23	2.45	2.74	4.56	2.80	3.65	1.84	34.77
Indian Lake	4.62	1.64	3.92	2.97	2.33	2.35	1.46	1.69	3.26	2.57	2.79	1.94	31.54
Ithaca	3.26	1.27	1.32	2.80	2.46	2.03	2.89	0.54	3.02	3.37	2.09	2.98	28.04
Jamestown	3.78	2.07	2.69	2.70	3.59	2.62	1.58	1.30	3.17	1.24	2.99	4.76	32.69
Jeffersonville	4.97	2.30	1.71	2.20	2.54	2.37	4.58	4.45	3.77	3.04	3.40	3.32	38.65
Lake Placid Club	3.10	1.66	4.87	2.49	1.28	5.46	1.79	1.72	3.11	1.54	2.55	3.05	32.62
Lauterbrunnen	2.38	0.36	0.61	0.40	0.56	2.08	5.32	T.	3.24	1.58	1.94	0.89	19.36
Little Falls (No. 1)	3.46	1.49	1.99	2.46	3.06	4.13	4.14	3.40	4.51	2.46	1.93	2.13	35.16
Little Falls (No. 2)	4.53	1.80	2.36	2.81	3.55	4.23	3.85	3.89	3.87	2.50	1.94	4.40	39.73
Lockport	2.08	0.71	1.20	1.50	4.52	6.09	3.96	1.66	1.37	1.93	2.40	3.61	31.03
Lowville	4.42	2.23	4.74	3.32	2.93	2.83	0.58	2.14	3.43	3.22	3.17	3.88	36.89
Lyons Falls				1.70	3.16	3.12	1.86	1.51	3.70	3.95	2.97		
McKeever	4.91	2.14	4.43	3.01	3.66	3.19	1.99	1.72		6.41	3.02	3.72	
Mechanicsville	4.04	1.31	0.84	3.34	2.08	3.65	4.21	2.22	3.57	2.78	4.36	3.45	35.85
Medford	7.57	1.98	5.55	5.01	2.37	3.53	2.88	1.70	4.97	5.36	2.97	6.06	49.95
Mohonk Lake	5.47	2.58	1.70	2.20	3.73	4.26	4.35	2.05	4.05	4.00	4.70	4.51	43.60
Moira	4.16	2.50	3.58	1.63	1.71	5.05	1.47	1.54	1.94	3.50	3.47	1.50	32.05
Morrisville	2.52	1.05	0.90		2.80	3.65	4.45	1.56	3.20	2.65	2.15	1.75	
Mount Hope	6.72	3.16	3.86	3.60	2.26	2.14	1.92	2.14	3.32	5.97	3.88	4.84	43.81
Mount McGregor	6.19	2.15	3.28	2.10	1.27	1.71	1.60	1.40	2.42	1.54	1.71	4.70	30.07
Mount Vernon	7.47	3.37	3.72	3.25	2.02	2.91	1.97	1.19	3.02	4.81	3.52	4.41	41.66
New Berlin	6.97	1.91	2.26	2.99	3.13	3.82	3.50	3.13	2.55	1.52	2.00	2.90	36.68
New Lisbon	4.20			2.58	2.92	3.45	4.18	3.45	3.24	2.36	1.14	2.73	
New York (Weather Bureau)	5.97	2.33	4.08	2.07	1.58	1.86	4.68	1.12	2.34	4.65	2.26	3.78	36.72
New York (Central Park)	6.99	2.53	4.16	2.37	1.84	3.01	2.77	1.23	2.65	5.40	3.19	4.43	40.57
North Lake	4.55	2.55	5.85	3.11	3.98	3.97	3.38	2.23	3.87	3.67	3.68	4.30	45.14
Norwich	4.24	2.25	1.72	2.19	3.24	3.70	3.77	1.94	3.80	2.81	1.98	4.03	35.67
Ogdensburg	1.65	1.11	1.66	1.51	3.81	5.60	2.72	2.99	1.24	3.70	2.70	2.48	31.17

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
New York—Continued													
Ohioville	6.67	2.76	2.29	2.77	2.67	2.85	4.33	2.68	4.23	4.14	4.68	3.99	44.06
Oneonta	4.25	2.08	0.80	3.28	3.28	3.36	3.96	4.75	4.38	1.74	1.60	2.48	35.96
Oswego	2.22	1.85	1.84	1.59	1.98	2.86	0.62	1.84	2.75	3.54	3.30	3.11	27.50
Palermo	3.85	2.73	2.80	1.66	2.09	2.37	0.64	1.77	3.18	3.81	5.12	3.81	33.89
Penn Yan	3.68	1.80	2.26	1.73	1.98	2.41	3.48	0.77	2.15	2.58	2.29	------	------
Perrysburg	2.60	1.84	2.18	------	2.70	2.30	1.64	------	------	------	------	------	------
Philadelphia	4.08	1.30	2.82	2.33	3.57	2.19	------	1.73	3.39	3.65	4.41	2.70	------
Port Jervis	6.42	1.95	2.29	1.89	3.46	4.45	4.25	1.64	3.28	3.25	3.10	3.59	39.57
Rhinebeck	5.45	1.39	2.07	2.82	2.05	4.82	4.34	3.06	3.72	4.81	4.80	4.23	43.56
Rifton	7.30	2.33	2.65	2.61	2.46	3.17	4.53	3.98	4.27	4.86	4.86	5.57	48.59
Rochester	3.55	1.67	2.71	1.55	2.69	3.84	1.97	1.33	3.35	1.75	3.10	2.80	30.31
Roslyn	7.51	2.91	4.24	3.00	1.85	4.66	2.19	1.52	3.96	------	3.75	4.34	------
Roxbury	5.23	2.45	2.58	4.57	2.10	3.48	2.65	4.58	4.28	3.44	2.52	3.21	41.09
Salisbury	2.60	1.85	2.73	3.02	4.56	4.72	5.00	4.65	4.31	4.61	4.77	4.30	47.12
Scarsdale	9.76	3.81	3.36	3.09	1.93	2.21	3.20	1.88	4.58	5.34	3.75	6.43	49.34
Setauket	7.25	2.22	5.03	4.36	1.88	4.63	1.38	1.06	4.64	8.07	3.15	4.76	48.43
Sharon Springs (No. 1)	4.80	1.72	2.24	3.18	2.73	3.81	3.89	2.30	4.42	2.39	3.60	2.93	38.01
Sharon Springs (No. 2)	5.60	1.52	1.86	2.40	1.86	3.22	3.30	1.64	4.54	2.21	2.60	3.43	34.18
Sherburne	3.03	2.40	2.67	2.55	4.00	3.63	2.47	1.46	2.18	3.02	1.47	------	------
Shortsville	2.26	1.39	1.25	1.86	2.16	4.68	2.46	1.07	2.93	2.22	2.33	2.31	26.92
Silver Bay	------	1.42	2.78	2.73	2.66	2.35	4.72	1.87	------	2.96	4.30	1.38	------
Skaneateles	3.51	2.43	2.42	1.69	3.73	6.18	1.36	1.21	3.47	3.77	2.31	2.79	34.87
Sodus	3.15	3.01	1.86	1.60	2.13	3.83	0.93	2.64	3.97	2.61	3.55	3.14	32.42
Southeast Reservoir	5.95	1.64	2.70	2.97	2.29	2.70	2.23	2.28	3.97	6.23	2.78	3.91	39.65
Spier Falls	5.71	1.60	3.17	3.95	1.91	2.57	2.82	1.86	3.27	2.40	4.60	3.60	37.46
Stillwater Reservoir	------	------	------	3.49	------	3.95	1.89	2.78	4.20	4.08	4.53	------	------
Syracuse	3.78	1.89	2.91	2.31	2.54	2.90	2.78	1.16	2.94	3.16	1.90	2.74	31.01
Tomhanock	------	------	------	------	------	------	------	2.43	3.98	3.37	------	------	------
Trenton Falls	3.80	2.27	2.89	------	------	------	------	------	------	------	------	4.95	------
Tribes Hill	2.50	1.05	1.40	2.96	1.60	2.97	2.72	3.90	3.55	1.80	------	4.59	------
Troy	4.78	0.80	1.06	2.58	1.84	3.25	4.37	2.62	3.24	2.70	4.21	2.58	34.03
Utica	1.54	1.39	1.51	2.98	3.72	4.15	3.41	3.90	2.83	2.96	1.98	2.87	33.24
Walden	5.78	2.09	1.91	2.47	2.93	3.35	3.87	1.37	5.75	4.42	3.05	4.02	41.01
Walton	4.76	1.92	1.73	3.86	3.27	3.41	4.91	4.35	3.65	3.27	2.95	3.23	41.31
Wanakena	3.24	2.03	4.63	3.02	2.97	3.78	1.62	2.98	2.98	4.53	3.56	2.29	37.63
Wappingers Falls	5.02	1.78	2.59	2.27	2.37	3.07	3.11	1.47	4.39	5.67	2.79	3.79	38.32
Warwick	5.48	2.02	2.62	2.29	2.45	4.35	1.42	1.96	4.68	5.42	3.02	3.94	39.65
Watertown	3.95	1.43	2.66	1.38	2.41	2.78	2.13	1.73	2.93	4.55	4.08	2.65	32.68
West Berne	4.06	1.57	0.86	2.90	1.45	3.68	2.46	2.82	3.19	3.12	2.45	4.05	32.61
Westerleigh	5.82	2.44	4.29	2.44	1.98	2.44	5.92	1.35	2.72	4.53	2.67	4.86	41.46
West Point	3.80	2.48	2.33	0.91	------	------	1.54	0.70	5.35	3.50	------	2.35	------
Willard	------	------	------	------	1.55	2.63	3.29	0.66	3.95	2.73	1.49	2.59	------
York	2.23	1.00	1.75	1.44	2.04	4.26	3.38	1.99	2.29	1.85	2.17	2.57	26.97
North Carolina													
Albemarle	4.25	4.57	5.75	4.52	2.93	2.65	8.94	3.52	3.35	1.98	3.21	2.99	48.66
Altapass	0.96	2.17	4.10	3.10	8.70	2.50	6.82	5.52	5.15	0.60	3.85	------	------
Andrews	6.61	7.48	8.60	6.34	7.86	6.54	5.31	3.83	1.71	1.57	3.15	7.55	66.55
Asheville	2.03	2.06	4.96	2.57	5.71	2.66	4.54	2.75	2.64	0.87	1.83	2.72	35.34
Banners Elk	3.11	2.29	5.48	3.13	7.22	5.00	7.29	5.73	2.47	1.10	3.06	3.51	49.48
Beaufort	4.99	2.54	3.21	2.17	1.14	1.98	12.61	1.97	4.09	2.59	2.88	4.54	44.71
Belhaven	2.41	1.75	2.51	4.85	1.36	1.85	6.67	5.77	4.05	2.21	3.48	3.95	40.86
Brevard	4.37	3.89	4.81	4.67	12.07	3.59	3.84	6.51	------	1.88	4.42	6.17	------
Brewers	4.22	2.47	6.87	3.27	4.74	1.98	1.65	5.02	4.24	1.29	3.78	3.16	42.69
Bryson City	6.72	5.80	6.09	4.65	8.02	4.09	2.98	5.84	1.91	1.00	2.61	5.37	55.08
Caroleen	4.78	3.64	8.38	5.08	4.72	2.43	5.08	3.41	4.81	1.37	4.83	3.88	52.41
Chadbourn	------	------	3.01	------	2.07	1.39	10.31	------	------	------	1.71	1.98	------
Chapel Hill	3.56	3.17	5.45	3.53	2.11	1.77	5.29	3.12	5.19	4.13	2.66	2.44	39.42
Charlotte	3.67	4.25	5.84	4.23	4.01	2.21	5.89	2.93	2.32	1.13	3.09	3.33	42.90
Cullowhee	------	4.10	4.10	3.52	3.88	3.04	4.20	2.20	0.65	0.36	1.58	3.68	------
Durham	2.95	2.69	5.69	3.59	2.49	1.33	3.60	3.31	4.55	1.18	1.55	2.07	35.00
Edenton	2.58	5.40	3.55	5.95	3.00	0.95	9.36	4.25	1.95	3.05	2.65	1.85	44.24
Elizabeth City	3.62	4.90	4.54	3.12	1.80	1.10	5.30	4.45	3.46	2.80	1.98	2.75	39.81
Elizabethtown	2.89	1.52	3.90	2.31	3.46	1.47	5.20	11.74	2.73	1.25	1.83	1.57	39.87
Elkin	3.97	2.74	7.70	3.06	4.95	2.89	2.44	10.49	3.22	1.69	4.15	3.16	50.46
Enfield	3.50	3.59	5.53	4.79	1.93	1.75	4.75	6.26	6.68	2.08	3.00	1.81	45.67
Fayetteville	2.99	3.04	4.32	5.70	2.37	2.43	6.70	2.48	5.66	1.37	1.92	1.87	40.85
Goldsboro	2.81	2.37	3.42	6.08	2.68	1.73	5.58	4.27	1.07	1.86	3.75	4.51	40.13
Gorge	4.28	2.66	5.59	3.59	8.46	1.24	7.83	6.00	5.84	1.49	3.94	3.30	54.22
Graham	4.18	3.09	6.54	4.78	1.91	1.20	7.26	2.84	3.44	2.15	2.88	2.48	42.75
Greensboro	4.31	3.70	6.93	4.12	3.17	0.76	7.85	3.61	5.17	2.12	3.04	2.51	47.29
Greenville	2.69	3.26	3.88	5.57	3.56	0.61	7.83	4.95	6.70	2.19	3.50	2.37	47.11
Hatteras	4.04	2.61	3.42	2.58	4.13	2.12	11.69	5.02	3.16	5.26	3.94	3.71	51.66
Henderson	3.42	3.16	6.60	6.02	1.06	2.51	7.23	4.49	4.05	1.27	2.24	2.04	44.09
Hendersonville	4.53	2.59	5.73	4.06	11.07	3.07	4.05	5.27	6.28	1.33	4.54	4.52	57.04
Hickory	4.88	3.54	8.24	4.77	3.83	2.43	3.44	3.83	3.39	1.73	3.63	4.75	48.46
Hiddenite	4.41	3.05	7.83	4.08	4.35	1.64	3.68	6.64	4.85	1.88	4.40	3.28	50.90
Highlands	------	------	------	------	14.95	7.40	6.67	7.09	7.56	2.89	5.89	7.12	------
High Point	4.83	3.58	5.77	3.71	3.90	0.61	5.13	1.10	2.10	1.68	1.99	1.90	36.30
Hot Springs	4.66	3.03	4.09	3.02	3.29	2.36	3.32	7.30	1.52	1.07	1.64	3.45	38.75
Jefferson	4.80	3.01	3.81	2.95	5.07	3.38	5.66	4.39	2.67	1.88	3.22	3.71	44.60
Kenansville	4.55	2.40	3.19	3.97	2.43	1.76	6.48	2.98	5.93	1.47	2.75	2.76	40.67
Kinston	------	------	------	------	------	------	------	------	------	------	------	1.40	------
Lenoir	3.84	2.73	6.84	3.16	7.25	2.31	3.16	4.16	2.74	1.46	3.65	3.58	44.88
Linnville Falls	------	------	------	------	9.17	1.66	9.49	6.49	4.04	2.20	3.40	3.42	------
Louisburg	3.13	4.80	4.70	4.40	2.04	2.77	3.47	2.70	2.00	0.50	3.06	1.59	35.16
Lumberton	3.19	2.06	4.53	2.80	2.50	1.47	6.34	5.22	2.54	0.89	1.95	1.67	35.16
Manteo	4.62	3.26	2.72	4.65	0.18	1.00	8.00	4.40	4.24	4.08	2.46	2.74	42.35
Marion	4.23	2.40	6.44	3.60	8.37	2.52	5.66	4.35	4.97	1.68	3.38	3.38	50.95
Marshall	4.03	1.64	3.77	2.82	4.50	1.99	2.56	0.84	1.00	0.40	1.54	2.62	27.71
Moncure	3.37	4.43	4.69	5.78	2.00	3.58	6.09	1.98	5.10	1.26	2.12	1.89	42.29
Monroe	4.07	4.03	5.12	3.40	4.46	0.69	4.83	3.22	3.16	1.23	2.39	2.19	38.79
Montreat	4.94	3.14	6.30	5.19	12.47	2.32	5.75	4.80	5.97	1.11	2.67	3.22	57.88
Morganton	4.56	2.95	7.32	4.16	7.22	2.24	4.38	5.44	2.45	1.41	4.10	3.60	49.83
Mount Airy	3.36	------	6.97	2.83	------	2.21	------	------	------	0.96	------	2.74	------

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
North Carolina—Continued													
Mount Holly	4.20	4.34	6.24	4.06	4.59	1.44	3.57	3.83	2.27	1.32	3.54	3.25	42.65
Mount Mitchell	------	------	4.60	5.70	11.35	5.96	9.38	4.54	5.27	1.95	5.65	------	------
Murphy	6.31	6.06	7.28	5.67	7.35	7.59	6.71	4.72	0.70	0.67	3.06	5.01	61.13
Nashville	3.55	4.25	4.70	5.09	2.22	0.91	4.14	2.57	7.80	1.67	2.68	2.08	41.66
Neuse	3.43	3.66	3.91	4.85	1.79	0.86	5.22	4.16	7.82	1.25	2.19	1.70	40.84
Newbern	4.09	2.47	3.63	3.92	2.34	6.26	6.57	9.15	6.00	2.24	2.53	2.97	52.17
New Holland	4.73	2.10	3.54	2.53	1.33	0.68	12.24	5.78	2.72	3.88	3.36	4.09	46.98
North Wilkesboro	2.72	3.36	8.81	3.60	4.80	1.52	5.00	5.54	1.66	1.84	4.23	4.04	47.12
Oxford	3.53	2.51	6.20	4.40	1.68	2.00	6.67	4.57	2.48	1.34	1.42	2.37	39.17
Parker	5.93	1.56	4.84	4.44	7.93	11.17	5.10	6.13	3.10	1.85	1.12	3.17	56.34
Penrose	4.16	4.02	4.92	4.46	4.50	5.05	1.86	3.83	6.15	1.69	4.40	4.45	49.49
Pinehurst	2.40	3.12	4.62	4.37	2.15	0.40	5.13	1.76	3.96	1.53	2.38	2.34	34.16
Raleigh (Weather Bureau)	3.11	4.78	3.67	5.32	1.09	1.37	6.62	3.88	6.35	1.03	1.88	1.71	40.81
Raleigh (No. 2)	3.34	4.13	4.04	6.14	1.29	0.76	6.58	3.48	5.37	0.97	2.66	1.78	40.54
Randleman	4.04	3.55	8.38	5.14	3.92	1.97	7.68	2.74	3.08	1.31	2.76	2.50	47.07
Red Springs	3.37	2.63	4.87	4.81	2.12	1.87	3.02	6.35	4.88	1.39	1.92	1.84	39.10
Reidsville	3.83	3.17	5.88	4.55	2.65	1.23	5.07	6.16	3.90	1.15	2.58	2.81	42.98
Rock House (No. 1)	4.87	5.66	6.63	6.90	13.96	6.49	4.94	5.50	5.41	2.32	5.78	7.49	75.95
Rock House (No. 2)	5.72	5.59	6.31	7.13	13.66	6.01	5.66	5.23	5.19	2.77	5.90	7.01	76.18
Rockingham	2.63	4.17	4.41	3.63	3.53	1.53	4.69	7.04	6.85	1.60	2.49	2.37	44.94
Rocky Mount (No. 1)	3.57	4.02	4.88	4.85	1.97	0.61	2.92	2.59	7.16	1.65	2.95	1.74	38.91
Rocky Mount (No. 2)	2.19	4.13	4.87	4.10	1.78	1.55	4.11	2.37	2.52	2.15	2.93	1.30	35.00
Rougemont	3.55	2.60	4.60	4.65	2.30	0.95	3.95	3.95	3.95	1.30	2.75	1.45	36.00
Salisbury	4.24	3.81	8.18	4.77	6.76	1.65	3.02	3.22	3.14	1.58	3.14	4.18	47.09
Sanatorium	3.18	3.67	4.16	3.73	2.69	2.07	4.21	4.46	6.75	1.05	2.54	2.03	40.54
Scotland Neck	3.47	4.25	5.18	5.92	2.38	1.96	7.09	3.92	6.01	2.61	2.14	1.52	46.45
Settle	2.93	3.60	8.06	4.62	4.32	2.00	3.06	3.46	3.10	1.97	3.27	3.63	44.02
Siler City	------	------	------	------	------	------	------	------	------	1.45	1.62	------	------
Sloan	3.67	2.64	5.98	4.07	3.22	2.87	6.87	2.51	5.08	2.30	2.90	2.10	44.21
Smithfield	3.76	4.00	4.41	6.04	1.83	2.40	6.35	2.99	4.24	1.72	2.28	1.71	41.73
Southern Pines	2.29	2.89	4.69	4.20	4.62	1.37	6.32	3.07	6.51	1.62	2.70	2.15	42.43
Southport	3.91	2.02	3.49	1.32	1.53	0.82	5.67	2.47	3.01	1.94	3.06	2.20	31.44
Statesville (No. 1)	4.00	3.70	7.44	4.68	4.07	1.42	1.49	4.57	4.26	1.99	4.30	3.16	45.08
Statesville (No. 3)	3.88	3.36	6.38	5.19	4.04	2.40	2.09	3.30	2.58	2.00	4.32	3.63	43.17
Statesville (No. 4)	3.65	2.90	5.87	4.52	4.06	2.59	2.38	4.63	------	------	------	------	------
Statesville (No. 5)	3.84	3.18	8.16	5.82	4.94	2.89	1.42	8.78	------	------	------	------	------
Stonewall	5.06	3.01	2.87	2.82	2.09	4.64	12.36	8.78	3.09	1.85	1.86	2.58	51.01
Swansboro	------	2.14	3.64	2.05	1.00	1.75	14.40	4.82	2.43	1.15	5.52	2.03	------
Tarboro	3.41	3.87	5.85	4.76	2.80	1.41	3.68	2.95	4.00	2.36	3.50	1.49	40.08
Tryon	2.61	3.69	7.96	3.89	12.35	2.31	1.15	3.08	4.08	0.93	3.64	4.77	50.46
Washington	------	2.47	3.42	4.24	1.28	1.07	8.32	6.17	5.21	2.82	3.39	1.94	------
Waynesville	------	------	------	------	------	------	4.85	3.05	1.43	0.56	2.06	5.03	------
Weldon	3.72	2.97	6.92	4.56	2.74	1.32	6.13	5.13	2.03	1.64	2.52	2.41	42.09
Wenona	3.43	2.59	3.59	4.94	0.97	0.98	8.47	6.97	3.94	3.10	4.20	2.05	45.24
Willard	3.13	2.19	3.96	2.65	3.70	1.51	3.24	6.02	1.75	1.57	3.11	2.30	35.13
Wilmington	3.22	1.41	4.09	1.28	1.32	1.80	8.77	5.04	7.20	1.44	1.74	3.17	40.48
Winston-Salem	3.16	2.68	5.81	4.70	3.34	1.45	6.68	2.57	1.72	1.22	3.22	3.57	40.12
North Dakota													
Amenia	0.72	1.74	0.30	0.72	3.47	3.29	2.61	2.49	1.55	0.28	0.28	0.56	18.01
Amidon	0.43	0.20	0.16	1.35	2.20	2.70	2.24	3.32	5.00	1.65	0.20	0.35	19.80
Arnegard	0.15	0.42	0.33	2.47	0.79	4.53	1.29	1.68	2.91	0.52	0.22	0.30	15.61
Ashley	0.84	0.64	0.70	1.18	3.20	6.62	3.75	1.99	2.88	0.76	0.27	0.60	23.43
Beach	0.87	0.42	0.11	1.41	0.90	3.70	2.19	0.24	4.52	0.41	0.78	0.11	15.66
Berthold Agency	0.06	T.	0.05	0.40	0.50	2.04	1.96	2.08	2.19	1.31	0.34	0.10	11.03
Bismarck	0.29	0.46	0.28	2.01	1.01	1.99	4.77	0.63	2.83	1.03	0.29	0.22	15.81
Bottineau	0.33	0.50	0.16	0.85	1.32	5.83	3.44	4.98	1.05	0.56	0.27	0.17	19.46
Bowbells	0.59	1.40	0.31	1.84	1.02	4.99	3.14	1.37	1.11	1.37	0.23	0.16	17.53
Bowman	0.64	0.06	0.12	0.50	1.91	4.78	2.00	1.21	3.92	2.70	0.04	0.08	17.96
Cando	0.90	0.67	0.51	1.02	2.19	1.93	------	------	0.75	0.93	0.52	0.31	------
Carson	0.22	0.16	0.32	2.10	0.30	5.34	5.82	2.13	4.79	0.75	0.55	0.40	22.88
Cooperstown	0.50	0.30	T.	1.05	2.15	3.12	3.45	1.45	3.20	0.20	0.70	0.55	16.67
Crosby	0.52	0.38	0.17	1.76	0.75	5.72	4.48	1.55	1.80	0.64	0.68	0.22	18.67
Devils Lake	0.42	0.73	0.76	1.44	2.04	1.46	2.07	2.25	1.63	1.25	0.47	0.23	14.75
Dickinson	0.30	0.20	0.37	1.55	1.46	4.49	4.67	0.82	4.20	1.12	0.31	0.18	19.67
Donnybrook	0.59	0.62	0.40	3.14	1.23	3.08	3.23	2.39	1.25	2.32	0.24	0.51	19.00
Dunn Center	0.43	0.50	0.70	3.82	1.38	2.23	3.82	2.10	3.80	1.07	0.30	0.10	20.25
Dunseith	0.35	1.51	0.40	0.67	0.90	4.21	3.99	------	0.89	0.47	0.32	0.16	------
Eckman	0.40	0.71	0.47	1.47	1.28	3.42	1.88	0.97	1.33	0.93	0.19	0.20	13.27
Edgeley	0.72	0.38	0.20	0.79	4.46	6.43	3.10	2.17	1.03	0.45	0.46	0.30	20.49
Ellendale	0.59	0.47	0.26	1.38	1.79	6.86	3.62	1.45	1.11	0.42	0.23	0.24	18.42
Energy	0.47	0.43	0.35	1.36	1.44	0.91	3.32	1.41	2.50	1.26	0.85	0.15	14.45
Epping	0.52	0.75	0.20	0.86	0.24	6.31	1.96	0.87	2.10	0.60	0.24	0.12	14.77
Fessenden	0.45	1.40	0.53	0.82	1.08	1.32	2.65	1.38	2.31	1.18	0.78	0.29	14.19
Finley	------	------	0.36	1.20	1.79	3.43	5.59	2.55	2.64	0.18	0.53	0.43	------
Forman	1.36	0.40	0.20	2.43	2.20	5.49	3.88	2.60	1.43	0.40	0.63	0.16	21.18
Foxholm	0.76	0.25	0.78	2.29	0.86	2.59	3.50	1.41	1.47	1.47	0.50	0.63	16.51
Fryburg	0.43	0.66	0.50	1.50	1.44	4.23	5.16	0.56	5.68	0.77	0.34	0.33	21.60
Fullerton	1.34	2.10	0.79	1.82	2.93	8.37	2.89	2.32	1.16	0.44	0.90	0.44	25.50
Garrison	0.29	0.21	0.21	1.40	2.04	1.93	3.95	2.20	2.98	0.91	0.70	T.	16.82
Grafton	0.49	1.11	0.43	0.60	1.68	2.42	2.12	2.42	3.13	0.72	0.67	0.22	16.01
Grand Forks	0.28	0.76	0.65	1.26	2.78	2.27	3.46	3.21	2.22	0.38	0.65	0.96	18.88
Granville	0.46	1.31	0.42	2.09	0.72	2.15	1.63	1.54	2.45	0.88	0.22	0.32	14.19
Hannah	0.64	1.40	0.88	1.10	2.16	2.11	2.23	4.39	1.19	1.14	0.29	0.40	17.93
Hamboro	1.05	1.09	1.68	1.85	2.16	6.10	3.42	4.47	0.75	------	0.75	------	------
Hettinger	0.70	0.20	0.01	0.37	0.79	5.83	3.17	1.97	3.74	1.69	0.46	0.60	19.53
Hillsboro	0.35	0.20	T.	1.18	2.07	4.00	3.35	2.03	2.10	T.	0.63	0.65	16.56
Howard	1.20	0.85	1.21	1.19	2.33	4.08	2.63	0.95	2.28	0.32	1.04	0.36	18.44
Jamestown	0.96	0.78	0.33	0.86	3.89	3.92	3.08	3.43	2.75	0.77	0.27	0.47	21.51
Lamoine	0.64	0.33	0.40	1.56	------	1.00	4.14	1.49	1.23	0.76	0.63	0.16	------
Langdon	0.05	0.62	0.60	0.71	0.77	1.98	0.70	4.55	2.12	1.04	1.07	0.36	14.57
Larimore	0.40	0.48	0.44	1.79	4.63	6.52	3.25	2.42	2.23	0.15	0.72	0.24	23.27
Linton	0.56	0.38	0.20	1.44	2.01	4.58	3.35	1.48	2.92	0.81	0.16	0.40	18.29
Lisbon	0.52	0.60	0.05	1.50	4.62	6.98	3.98	1.71	1.21	0.28	1.42	0.40	23.27
McClusky	0.48	1.02	1.10	1.70	1.89	0.98	1.82	1.16	1.47	0.98	0.38	0.42	13.40
McHenry	0.24	2.10	0.33	3.81	2.00	2.39	4.57	2.21	3.14	0.95	0.69	0.36	22.79

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
North Dakota—Continued													
McKinney	0.37	0.16	0.20	2.16	1.00	3.10	3.00	1.85	2.30	1.85	0.35	0.48	16.82
McLeod	1.29	1.07	0.17	1.99	2.86	9.54	3.49	1.12	1.70	0.63	0.68	0.13	24.67
Maddock	0.21	0.95	0.27	0.99	2.54	1.22	3.32	1.31	2.23	0.84	0.41	0.19	14.48
Mandan	0.36	0.38	0.16	1.21	1.82	1.94	4.12	1.15	2.30	0.55	0.26	0.14	14.41
Manfred	0.62	0.68	0.54	1.83	1.36	1.60	2.46	1.19	1.93	0.80	0.54	0.45	14.00
Marmarth	0.38											0.30	
Mayville	0.30	0.80	0.75	1.90		2.26							
Melville	0.28	0.12	0.60	1.26	1.80	2.46	2.00	1.67	2.70	0.35	0.42	0.29	13.95
Minot	0.15	0.40	0.40	1.66	1.39	3.01	2.33	1.18	1.50	1.52	0.55	0.35	14.44
Minto	0.34	0.93	0.36	0.79	1.57	2.51	2.58	1.27	3.31	1.18	0.61	0.21	15.66
Mott	0.80	0.23	0.30	1.33	2.30	3.50	3.12	2.55	3.87	0.44	0.37	0.40	19.21
Napoleon	0.90	0.15	0.15	1.32	1.55	5.85	4.01	1.04	2.06	0.67	0.26	0.25	18.21
New England	0.68	0.56	0.20	1.27	1.11	3.28	3.24	1.44	5.80	1.62	0.25	0.10	19.55
New Salem	0.31	1.19	0.41	2.04	1.02	2.96	3.14	0.44	2.51	1.16	0.61	0.23	16.02
Park River	0.28	0.20	0.39	0.64	2.40	2.03	3.59		4.19	0.75	0.55	0.26	
Parshall	0.00	0.50	T.	1.72	0.03	2.46	2.36	1.74	2.97	1.49	0.17	0.16	13.60
Pembina	0.26	1.12	0.08	T.	1.50	3.70	2.50	1.67	3.34	0.80	0.20	0.20	15.37
Pettibone	0.40	0.10	0.30	1.27	2.33	3.33	1.08	2.15	2.26	1.40	0.93	0.54	16.09
Power			0.50	1.44	1.76	10.27	3.26	1.73	1.84		0.88	0.50	
Powers Lake	0.85	1.05	0.60	1.85	0.75	5.47	2.68	1.35	0.23	0.65	0.20	0.35	16.03
Richardton	0.55	0.60	0.81	1.49	1.86	3.75	3.76	0.79	3.05	1.32	0.40	0.24	18.62
Sharon	0.30	0.40	0.14	0.99	1.91	3.30	4.48	2.33	2.28	0.12	0.45	0.27	16.97
Skaar	0.80	0.15	0.50	2.15	2.15	4.28							
Stanton									2.14	0.77	0.65	0.12	
Steele	0.47	0.48	0.15	1.20	2.36	3.24	6.04	2.73	2.38	1.69	0.27	0.14	21.15
Towner	0.24	1.16	0.24	1.40	1.64	1.98	1.36	1.31	1.41	0.53	0.35	0.80	12.42
Turtle Lake	0.26	0.67	0.31	1.31	1.52	1.45	5.37	1.97	1.40	1.08	0.54	0.37	16.25
Valley City	0.41	0.27	0.23	1.06	2.36	5.90	4.51	2.21	2.75	0.06	0.60	0.36	20.72
Wahpeton	0.18	0.44	0.20	1.78	1.94	6.95	1.75	1.95	2.02	0.76	0.37	0.40	18.74
Walhalla	0.48	1.30	1.04	0.84	1.13	1.53	2.18	2.55	1.56	0.87	0.83		
Washburn	0.36	0.46	0.26	1.28	1.77	1.35	6.16	1.87	2.35	0.66	0.61	0.27	17.40
Westhope	0.53	0.56	0.20		0.87	3.53	4.01	1.89	1.31	1.25	0.48	0.14	
Williston	0.56	0.78	0.44	2.03	0.50	5.93	1.38	1.05	2.60	0.79	0.78	0.18	17.00
Willow City	0.64	0.88	0.94	1.05	1.43	2.61	1.48	1.92	2.19	0.70	0.47	0.64	14.95
Ohio													
Akron	2.45	1.11	2.24	2.27	3.72	1.54	3.19	5.49	3.56	1.92	3.43	4.73	35.65
Amesville		2.67	3.22	3.47	3.55	3.37	6.51	4.12	3.47	1.28	3.39	6.81	
Ashland	3.99	1.64	2.80	1.75	3.41	2.00	1.76	4.55	2.86	1.55	2.20	5.75	34.26
Athens	2.63	2.18	2.93	2.79	3.12	4.45	7.35	8.89	3.28	1.20	3.40	6.56	48.78
Bangorville	4.02	1.72	3.06	1.49	4.97	2.89	2.52	5.40	6.22	1.43	2.46	5.99	42.17
Batavia	3.87	1.99	2.05	2.46	2.29	6.31	3.64		0.89	1.34	2.76	7.09	
Bellefontaine	3.46	1.60	3.05	1.91	4.63	2.53	2.26	6.98	2.88	2.17	1.93	6.20	39.60
Bellpoint	3.32	1.52	2.70	1.56	3.56	4.77	3.41	4.40	2.50	1.64	1.63	6.50	37.51
Benton Ridge	3.24	1.58	3.33	1.84	3.45	2.37	4.88	3.50	4.77	1.48	1.56	5.08	37.06
Beverly	2.82	2.51	2.96	3.07	4.12	3.78	5.34	5.91	1.81	1.23	4.02	4.90	42.47
Bowling Green	1.39	0.98	2.55	2.16	3.58	2.54	3.31	3.73	4.71	1.34	1.83	3.85	31.97
Bucyrus	4.10	1.80	3.70	1.80	4.61	2.90	5.74	3.28	4.27	2.08	2.03	6.04	42.35
Cadiz	3.75	2.25	2.62	2.57	3.82	1.55	2.75	3.86	3.55	1.02	1.97	6.63	36.34
Cambridge	3.17	2.09	3.48	2.80	3.92	5.38	3.30	5.79	4.82	1.74	3.01	6.42	45.92
Canfield	1.91	1.18	2.06	1.56	4.01	1.57	2.65	2.19	2.67	1.32	2.77	5.87	29.78
Canton	2.92	1.28	1.62	1.90	5.51	2.62	2.85	4.34	3.18	0.91	3.79	4.94	35.86
Catawba Island	1.96	1.45	1.70	1.77	3.08	1.59	2.99	1.64	5.13	1.70	2.22	4.22	29.45
Chillicothe	3.52	2.54	3.60	4.15	2.94	3.98	2.20	3.58	3.47	1.52	2.26	6.37	40.13
Chilo	5.00	2.56	3.30	4.61	2.12	4.05	3.71	6.24	1.33	1.20	2.34	5.57	42.13
Cincinnati (Abbe Observatory)	4.64	1.81	3.50	2.96	2.34	3.18	2.51	3.72	1.40	0.92	2.28	6.94	36.20
Cincinnati (Government Building)	4.25	1.73	3.47	3.27	2.00	4.07	2.87	8.24	0.77	0.89	2.15	7.06	40.77
Circleville	4.75	2.48	4.20	3.19	3.21	3.47	2.48	4.01	4.55	2.16	2.52	6.07	43.09
Clarington	4.03	2.82	3.29	3.87	3.73	5.65	4.29	3.09	3.37			6.09	
Cleveland (Weather Bureau)	2.61	1.39	1.89	2.21	2.91	1.49	2.09	3.97	3.32	1.73	2.64	4.50	30.75
Cleveland (Carroll University)	2.48	1.64	1.85	2.07	2.96	1.95	2.86	3.21	3.08	1.47	1.99	3.91	29.47
Columbus	3.46	2.51	3.04	2.12	2.42	5.10	4.09	4.97	3.39	1.66	2.30	6.12	41.18
Coshocton	2.93	1.91	2.91	2.68	3.29	3.19	2.37	5.68	2.87	1.73	2.80	5.88	38.24
Dam No. 28, Ohio River	5.09	5.10	3.52	3.88	2.75	4.33	3.76	4.47	2.96	1.32	3.11	6.90	47.19
Danbury	2.30	1.43	2.93	1.91	3.10	2.51	1.97	2.53	5.71	2.16	2.23	4.40	33.18
Dayton (Weather Bureau)	3.83	1.60	2.42	1.56	2.56	3.69	1.50	3.23	3.45	1.86	2.26	6.94	34.80
Dayton (Boyer)	4.12	1.90	3.07	2.02	3.03	5.79	2.02	3.81	3.92	2.10	2.25	7.14	41.17
Defiance	1.63	1.09	3.17	1.88	3.94	0.93	5.37	2.26	3.47	1.54	1.58	3.95	30.81
Delaware	3.69	2.37	2.58	1.62	3.14	5.42	3.09	4.44	2.92	1.91	2.29	8.27	41.74
Demos	3.29	1.87	3.24	3.76	3.57	3.62	4.41	2.55	3.57	1.80	3.59	6.99	42.26
Dennison	4.66	2.21	2.99	3.18	4.57	4.86	1.32	5.03	1.84	1.64	3.58	6.29	42.17
Dover	1.42		2.80	2.77	4.70	4.04	1.52	4.92	2.40	1.37	2.42	5.01	
Dublin	3.02	2.03	2.16	1.53	3.08	3.83	5.21	2.89	3.65	1.38	2.16	5.71	36.65
Eaton	2.52	2.11	2.99	2.28	3.31	3.73	1.44	4.89	1.61	0.98	1.84	7.28	34.98
Fernbank	3.74	2.42	3.40	2.97	1.90	4.69	1.76	4.93	1.27	0.75	2.38	5.97	36.18
Findlay	3.38	1.63	3.79	1.99	3.96	2.86	4.05	5.04	3.67	1.45	1.97	5.05	35.84
Franklin									3.93	1.71	2.54	6.49	
Fremont	2.45	1.46	2.50	2.21	3.88	2.68	2.90	3.41	4.35	1.95	1.86	5.46	35.20
Gallipolis	4.24	4.25	3.64	3.92	2.63	4.20	4.69	5.09	3.11	1.45	3.11	5.46	45.79
Garfield Heights						2.41	2.06	4.54	3.51	2.22	1.85		
Germantown	4.00	2.26	3.18	2.43	3.26	3.00	1.88	3.72	2.70	1.42	2.27	6.12	36.33
Gnadenhutten						5.09	3.98	3.92	2.39	1.41	3.36	5.47	
Granville		2.39	2.95	3.10	3.20	3.18	5.03	6.04	3.78	1.70	2.60	7.20	
Green	6.17	3.45	4.10	4.13	2.74	3.80	1.74	5.32	0.75	1.59	3.92	8.30	45.01
Greenfield	4.32	2.28	3.86	3.94	3.56	4.35	2.43	4.37	3.00	1.69	2.40	6.89	43.09
Green Hill	3.81	1.39	2.66	1.66	4.45	2.94	3.73	4.11	2.36	1.19	3.22	5.01	36.53
Greenville	3.66			2.05	5.69	3.64	2.47	4.97	3.20		1.15	4.25	
Hamilton	3.10	3.02	3.64	2.58	3.28	3.25	1.21	4.18	2.55	1.39	2.94	6.75	37.89
Hillsboro	4.74	2.80	4.58	5.16	3.96	3.02	3.20	5.52	2.08	1.58	2.58	8.08	47.30
Hiram	4.07	1.87	2.65	2.06	4.34	3.25	3.18	2.56	2.89	1.76	3.93	5.13	37.69
Ironton	5.25	4.57	4.60	3.85	2.52	2.99	3.40	3.48	1.62	1.96	3.35	7.88	45.47
Jackson	4.45	2.73	3.99	4.12	3.26	2.71	2.62	8.60	0.99	1.78	3.56	4.17	37.99
Kenton	3.22	2.06	2.35	1.52	4.65	3.63	2.67	2.33	1.45	1.22	1.19	4.58	30.89
Kings Mills	3.69	3.39	4.26	2.49	3.35	3.25	3.28	5.46	2.23	1.74	2.86	7.66	43.66
Kinsman	3.41	1.17	1.93	2.08	3.67	3.32	3.62	2.78	2.37	1.56	3.08	4.51	33.50
Lakeview	3.19			1.85	4.55	3.53	2.58	2.05	2.32	0.93	1.83	7.01	

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Ohio—Continued													
Lancaster	4.40	2.18	3.82	3.35	3.11	3.26	1.63	5.08	6.25	1.89	2.55	8.03	45.55
Larue	3.72	1.99	3.44	2.08	5.71	3.04	4.52	4.90	5.04	1.52	1.74	6.26	43.96
Lima	3.28	1.84	4.13	1.95	4.78	2.98	4.02	4.99	4.78	1.67	1.49	4.81	41.32
Logan	3.66	2.34	3.55	3.36	2.82	2.99							
London	3.40	1.87	2.38	2.30	2.22	2.68	5.16	7.53	2.09	1.75	2.16	6.36	39.90
McArthur	4.02	2.58	3.35	3.18	2.91	2.92	3.08	4.84	3.16	0.74	3.71	8.43	42.92
McConnelsville	3.96	2.50	3.26	3.32	3.80	5.41	6.40	6.16	3.96	1.60	3.24	6.14	49.75
Madison	2.93	1.24	1.94	3.11	2.33	1.08	3.99	2.50	4.79	1.53	2.80		
Mansfield	4.47	1.21	2.65	1.95	4.51	4.85	3.20	4.97	2.03	1.83	2.37	6.46	40.50
Marietta (No. 1)	4.06	2.78	3.37	4.26	3.83	4.76	6.16	4.24	1.56	1.42	4.12	6.57	47.13
Marietta (No. 2)	4.59	3.50	3.84	4.62	4.28	5.11	6.54	5.27	1.40	1.11	4.52	7.43	52.21
Marietta Experiment Farm	3.09	2.42	3.08	3.58	3.76	4.11	6.15	4.07	2.02	1.36	4.14	6.16	43.94
Marion	4.41	1.71	2.13	2.12	6.03	4.88	4.35	2.29	4.50	1.72	2.06	6.14	42.34
Marysville	3.61	1.55	3.35	1.91	3.76	2.97	1.53	3.27	2.27	1.71	2.14	7.53	35.60
Medina	3.49	1.11	2.34	2.16	3.68	2.96	2.76	5.33	2.84	1.53	3.15	5.25	36.60
Miamisburg									3.15	1.69	2.43	6.36	
Middleport	5.25	3.23	4.04	3.75	3.08	7.69	5.07	6.36	1.98	1.51	3.08	6.79	51.83
Middletown								4.44	4.31	1.67	2.26	6.44	
Milfordton	3.24	1.67	3.24	2.15	4.28	4.14	6.72	3.17	2.59	2.04	2.57	7.05	42.86
Millersburg	3.65	1.50	2.79	2.86	4.31	2.84	2.11	5.14	2.81	1.54	2.80	5.10	37.45
Milligan		2.02				2.64							
Millport	4.31	1.69	2.05	1.67	4.80	3.56	4.96	4.12	2.56	1.21	3.44	5.10	39.47
Milton Dam	2.27	1.12	1.92	1.74	4.20	3.37	3.21	3.99	4.86	1.22	2.65	3.80	34.35
Montpelier	2.28		8.47	1.77	3.83	2.70			4.06	2.15	1.59	3.58	
Mount Healthy	3.72	2.22	3.65	2.79	2.61	4.07	6.03	4.60	1.89	1.06	2.58	6.37	41.59
Napoleon	2.58	1.48	4.47	2.53	4.57	2.54	4.18	4.24	3.54	1.73	1.84	4.95	38.65
New Bremen	2.78	1.94	1.68	2.10	5.02	3.05	2.20	3.57	2.95	1.45	1.30	4.62	32.66
New Carlisle	2.90	1.91	2.53	1.82	3.22	3.32	1.47	5.54	1.93	2.04	2.32	7.30	36.30
Norris Point	3.75	1.74		3.15	4.73								
North Bass Island	1.49	0.73	2.08	1.30	2.23	2.11	3.76	1.76	3.90	1.96	1.58	3.95	26.85
North Royalton	3.24												
Norwalk	2.47	0.74	2.18	1.58	3.84	1.59	1.48	4.63	3.96	1.86	1.90	4.38	30.61
Oberlin	3.21	1.06	2.22	2.46	3.55	1.74	2.32	5.68	3.48	1.97	2.66	5.22	35.57
Oeta	3.56	2.18	2.89	2.25	2.87	3.45	2.20	2.37	3.35	1.58	2.09	5.91	34.70
Ohio State University	3.09	1.79	2.97	1.95	2.69	5.18	5.93	4.33	4.07	1.70	2.28	6.57	42.55
Ottawa	3.21	1.48	2.72	1.89	3.87	2.42	7.39	2.38	2.79	0.86	1.77	4.72	35.50
Oxford	4.79	2.76	3.40	3.19	3.15	3.73	1.82	6.36	3.78		2.20	7.28	
Pataskala	4.52	2.29	3.09	2.86	3.15	4.87	4.30	5.09	6.26	2.29	3.17	7.16	49.65
Paulding	2.17	1.38	3.44	2.07	4.61	2.94	7.63	2.42	3.58	1.52	3.27	5.12	40.15
Peebles	4.69	3.18	4.07	5.76	2.84	4.70	6.97	4.61	3.13	1.70	3.37	7.34	52.36
Philo (No. 1)	3.11	2.13	3.20	2.42	2.71	3.72	4.81	8.55	4.99	1.77	2.36	5.84	45.61
Philo (No. 2)	3.33	1.93	3.64	2.91	2.81	5.73	4.94	8.47	6.01	2.17	2.53	6.15	50.62
Piqua	3.12	1.14	2.96	2.05	4.30	2.57	3.31	3.90	1.69	1.97	2.13	6.62	35.76
Pleasant Hill	2.70	1.25		1.55	3.79	2.72	2.82	4.76	1.45	1.83	1.34	6.03	
Portsmouth (No. 1)	4.61	4.80	3.80	4.98	2.18	3.40	4.63	3.67	2.54	1.31	3.38	6.95	46.25
Portsmouth (No. 2)	3.60	4.57	4.00	5.36	3.13	4.40	4.54	4.13	2.46	1.28	3.32	8.18	48.97
Prospect	2.79	2.15	2.81	1.97	4.88	2.99	3.18	4.76	2.73	1.40	1.96	6.00	37.62
Put-in-Bay	1.99	1.00	2.78	3.61	3.09	3.97	2.92	2.63	4.40	2.54	1.92	5.07	35.92
Saint Paris	3.87	1.55	3.26	2.62	4.74	4.04	3.12	4.80	2.56	1.79	2.04	7.45	41.84
Sandusky	2.50	1.21	2.22	1.86	3.19	2.21	2.32	3.59	3.26	1.79	1.77	4.08	30.00
Sidney	3.46	1.50	3.38	2.33	4.76	1.87	1.80	4.17	2.92	1.70	1.54	6.02	35.45
Springfield (No. 1)	3.32	1.71	2.77	1.88	2.49	2.66	3.06	5.61	2.37	1.94	2.24	6.67	36.72
Springfield (No. 2)	3.74	2.16	2.87	1.73	2.96	3.01	2.79	6.55		0.91	1.76		
Summerfield	3.64	2.72	3.03	2.64	3.68	4.54	3.93	4.91	4.98	1.56	3.08	6.50	45.21
Tiffin	3.53	1.24	2.93	1.95	4.05	3.30	5.09	2.97	5.73	1.71	1.99	5.35	39.84
Tiltonville	2.57	1.64	2.71	2.53	2.85	1.80	3.22	5.18	2.92	0.84	1.95	4.50	32.71
Tippecanoe City								3.38	2.02	1.83	1.48	6.71	
Toboso	3.59	2.93	3.08	2.95	3.52	3.98	11.34	6.40	3.58	2.23	1.99	5.60	51.19
Toledo	1.75	1.16	3.13	2.77	3.03	3.53	2.77	2.67	3.69	2.07	1.40	5.74	33.71
Upper Sandusky	3.44	1.33	2.77	2.13	4.41	3.06	3.88	2.83	4.75		1.46	6.03	
Urbana	3.82	1.81	2.63	1.83	4.01	3.10	4.46	4.28	2.23	2.40	2.18	6.65	38.90
Valley Crossing	3.68	2.68	2.39	2.70	2.57	3.40	3.21	5.02	2.77	1.54	2.46	6.78	39.20
Versailles	2.97	1.37	2.47	2.24	4.65	3.26	3.77	3.60	4.08	1.19	1.51	5.39	36.50
Vickery	2.27	1.13	2.46	1.84	3.44	2.73	2.57	3.88	4.52	1.88	2.09	4.85	33.66
Walhonding	4.62	1.70	3.05	2.90	5.27	2.65	2.48	3.72	3.28	2.46	2.79	6.13	41.05
Wapakoneta	2.74	1.34	2.57	1.97	5.11	2.39	2.07	3.09	2.85	1.36	1.38	4.34	31.21
Warren	4.45	1.91	2.85	1.98	4.72	2.85	4.06	2.36	2.77	1.34	2.25	4.25	35.79
Wauseon	1.66	0.99	3.44	2.20	4.11	2.12	4.21	5.22	3.36	1.76	1.44	4.42	34.93
Waverly	3.91	2.32	3.46	4.84	3.13	3.99	4.00	3.63	4.02	1.58	2.97	5.62	43.47
Waynesville	3.37	2.41	3.40	2.63	2.61	4.82	3.10	3.60	4.31	2.34	2.47	6.87	41.93
West Manchester	3.49		2.66	2.22	4.04	2.30	2.06	5.08	3.29		1.80	6.30	
Wickliffe	2.87	1.06	1.82										
Williamsfield	3.41	1.00	2.12	2.10	2.88	1.88	3.03	2.48		1.63	2.69	5.22	
Willoughby				1.83	2.63	1.68	3.47	3.78	4.51		2.86	10.49	53.81
Wilmington	5.67	4.32	5.92	4.63	2.90	5.10	2.75	4.07	3.15	1.95	2.82	5.25	36.30
Wooster (No. 1)	4.33	1.79	2.49	2.28	4.11	1.99	2.08	4.70	3.08	1.38	2.34	4.87	33.52
Wooster (No. 2)	3.66	1.24	2.40	2.62	4.08	2.03	2.23	4.28	2.39	1.38	1.86	6.32	34.20
Xenia	3.44	2.13	2.10	1.69	3.24	3.79	2.83	2.61	2.34	1.85	2.51	4.71	30.63
Youngstown	2.49	1.10	1.65	1.16	3.46	3.36	2.81	3.21	2.92	1.25	1.80	6.20	43.21
Zanesville	3.17	2.01	3.25	2.90	2.95	3.01	5.61	5.74	3.89	1.82	2.66		
Oklahoma													
Ada	2.61	1.45	1.64	4.10	9.51	3.22	0.02	2.42	9.93	11.80	4.40	4.35	55.45
Altus	0.76	0.28	1.75	2.16	3.76	5.26	1.53	2.89	2.36	9.69	1.15	0.76	32.35
Alva	0.00	0.04	1.74	3.45	5.45	5.61	3.58	0.90	4.61	7.75	0.81	0.59	34.53
Antlers	4.07	6.20	3.62		11.80	4.25	0.26	T.	11.30	8.37	2.47	12.27	
Apache	3.78	0.42	3.54	5.70	5.34	5.68	0.34	2.93	3.53	12.66	2.56	1.68	48.16
Arapaho	0.00	0.18	1.65	3.48	5.60	5.55	1.50	2.14	9.90	10.35	0.80	0.70	41.85
Ardmore	2.41	1.68	0.79	4.71	4.63	3.24	0.04	1.69	2.23	11.61	2.63	4.35	40.01
Bartlesville	1.21	1.40	2.65	4.22	7.16	6.10	3.67	0.74	5.80	6.50	1.59	1.81	42.85
Beaver	0.00	0.37	0.52	2.55	6.00	5.42	0.69	0.55	4.02	10.36	1.23	1.07	32.78
Billings	T.	0.38	2.08	5.85	5.77	8.72	T.	1.13	8.23	8.31	0.35	1.44	42.26
Blackwell	0.10	0.20	2.04	4.29	5.53	8.25	1.17	1.48	8.10	6.06	0.95	1.12	39.29
Bristow			4.15	2.60	6.51	2.80							
Broken Arrow	4.08	0.70	4.22	3.82	6.68	6.43	1.17	2.28	4.26	9.93	4.28	3.72	51.57
Broken Bow	5.14	4.40	2.00	5.40	6.98	5.63	0.76	2.87	6.78	2.90	2.55	4.92	50.33

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Oklahoma—Continued													
Buffalo	0.00	0.10	0.80	3.03	6.38	6.18	1.39	0.16	3.73	7.01	0.88	0.75	30.41
Calvin	3.12	2.30	1.99	6.77	10.93	2.79	0.67	1.06	5.93	6.41	5.15	5.36	52.48
Camargo	T.	0.21	2.00	2.08	5.22	7.38	0.10	1.18	5.05	6.21			
Canton	T.	0.38	1.31	2.25	5.88	4.84	T.	1.86	6.26	7.17	0.69	1.10	31.74
Carnegie	1.23	0.31	2.80	6.43	3.40	4.61	0.85	2.68	4.95	11.72	1.10	1.35	41.43
Chandler	3.22	0.59	3.78	3.06	10.71	3.56	1.16	0.60	11.56	9.14	1.90	2.39	51.67
Chattanooga	3.04	0.66	1.13	4.52	2.19	7.44	1.07	1.51	4.67	7.88	4.87	1.28	40.26
Cherokee	0.00		1.03	4.26	7.02	2.88	1.88	0.85	5.90	7.62	0.61	1.12	
Cheyenne							2.03	1.10	12.35	10.48	1.18	0.66	
Chickasha	3.03	0.39	3.06	5.53	6.62	3.08	0.61	2.57	6.37	12.08	1.72	2.21	47.27
Claremore			3.10	3.98	6.16	8.39		0.35	5.07	10.67	4.01	4.06	
Cleveland	1.22	0.47	2.84	5.03	6.47	3.13	0.51	0.55	8.49	7.25	1.97	2.42	40.35
Cloud Chief	0.35	0.32	2.58	5.73	5.19	5.12	0.57	1.88	6.94	9.65	1.09	0.82	40.24
Durant	4.11	1.71	1.99	3.62	5.56	3.17	0.30	0.70	4.74	11.68	2.38	7.17	47.13
Enid	0.01	0.27	2.80	2.90	5.49	7.78		0.08	6.91	7.24			
Erick	T.	0.50	2.09	3.86	2.27	5.26	1.80	1.13	9.19	8.47	1.12	0.87	36.56
Eufaula	3.29	2.46	4.13	3.40	13.34	1.63	0.05		10.20	7.71	4.69	5.59	
Fairfax	0.85		2.20	3.65	7.55	3.10	2.20	0.20	4.89	6.29	1.26	1.70	
Fort Gibson	5.61	3.30	4.27	3.69	7.34	3.79	0.99	1.12	5.71	8.05	5.42	5.64	54.93
Fort Reno	0.85	0.80	1.81	5.27	6.54	3.59	0.05	1.24	8.50	9.64	2.14	1.40	41.83
Frederick	2.78	1.01	0.70	3.68	2.36	9.78	1.39	2.12	2.89	8.88	3.17	1.54	40.30
Geary	0.51	0.14	1.88	3.65	6.42	5.61	0.03	2.80	8.21	9.35	1.15	1.29	41.04
Goodwell	0.00	0.61	0.78	1.57	1.34	4.47	1.54	1.75	5.02	4.21	1.53	1.30	24.12
Guthrie	1.14	0.58	2.47	4.84	7.67	3.42	1.04	2.34	9.34	9.65	1.21	1.60	45.30
Hammon	0.00	0.56	2.03	3.56	6.81	7.70	0.38	1.45	12.27	9.58	1.02	0.64	46.00
Hennessey	0.32	0.11	1.81	3.20	5.30	3.40	T.	1.73	5.10	6.18	0.84	1.40	29.39
Hobart	0.35	0.55	3.03	4.33	4.09	5.84	0.31	2.25	6.20	12.94	1.15	0.84	41.88
Holdenville	4.15	1.19	2.42	4.67	13.66	2.78	0.49	1.76	13.47	9.74	3.88	5.48	63.69
Hollis	T.	0.30	1.75	3.10	1.98	3.56	1.07	3.00	4.35	13.06	0.95		
Hooker	0.00	0.25	0.39	1.31	5.33	3.99	2.19	2.14	3.23	6.39	0.88	0.45	26.55
Hugo	4.49	5.39	4.32	3.94	10.10	5.95	0.56	0.25	7.89	5.14	2.12	7.01	57.16
Hurley	T.	1.02	0.84	1.45	4.86	6.02	5.83	2.81	3.00	6.21	1.11	1.20	34.35
Jefferson	T.	0.11	2.31	4.98	6.72	7.99	0.04	0.62	9.36	6.18	2.12		
Kenton	T.	0.85	0.57	0.60	3.76	4.38	1.61	2.90	2.43	6.13	0.67	1.38	25.28
Kingfisher	0.60	T.	2.07	3.39	7.15	4.11	0.50	3.65	8.95	8.18	0.91	1.25	40.76
Lawton	4.56	0.86	1.41	4.11	5.58	3.83	1.15	1.83	4.84	11.49	4.06	2.00	45.72
Lawtonka Lake	3.80				5.25								
McAlester	3.79	1.76	2.48	7.43	13.57	3.29	4.89	1.90			5.07		
Mangum	0.05	0.70	3.02	2.62	1.40	5.23	2.19	3.93	8.03	15.75	1.51	0.70	45.13
Marlow	3.38	1.03	1.44	5.39	7.36	3.46	1.37	2.63	2.77	9.18	3.25	2.28	43.54
Meeker	5.42	0.90	5.80	3.97	11.44	4.11	0.50	1.76	10.28	11.30	2.91	2.77	61.16
Miami	2.63	1.20	2.42	3.00	5.45	9.37	0.79	0.15	3.10	7.67	3.51	4.91	44.20
Muskogee	6.23	1.58	4.82	5.88	8.11	4.24	0.63	2.23	5.41	9.97	4.89	5.87	59.86
Mutual	0.00	0.05	2.05	2.66	6.22	4.20	0.25	0.55	7.27	9.15	0.62	0.20	33.22
Newkirk	0.89	0.74	2.68	4.27	6.93	8.09	1.90	1.05	7.70	8.32	1.42	1.45	45.44
Norman	4.40	0.59	3.55	4.39	8.03	4.37	0.03	2.66	11.02	12.03	2.64	2.12	55.83
Oakwood	T.	0.18	1.51	2.63	6.85	4.60	0.45	1.32	7.79	7.14	0.72	0.93	34.12
Okay	3.43	2.72	4.20	3.06	6.81	3.84	1.69	1.97	4.43	8.56	4.75	5.41	50.87
Okeene	T.	0.19	2.35	3.34	6.30	4.65	0.20	0.49	6.14	7.23	0.89	0.92	32.70
Okemah	5.89	0.40	3.16	3.88	8.91	1.81	1.06	1.73	13.22	12.11	4.76	4.26	61.19
Oklahoma City	2.74	0.20	2.58	4.27	7.01	3.52	0.15	3.57	10.28	9.64	2.13	2.06	48.25
Okmulgee	5.49	0.89	2.35	3.56	7.75	4.02	0.56	0.64	10.15	10.94	3.90	4.92	55.17
Pauls Valley	1.95	1.78	2.18	4.99	10.22	2.40	0.55	2.69	5.55	10.99	1.49	3.27	48.06
Pawhuska	0.82	0.36	2.39	3.97	6.76	4.77	3.35	0.05	5.23	5.91	1.31	2.44	37.36
Perry	0.34	0.12	1.76	6.11	7.98	5.33	0.85	0.82	8.03	6.02	1.60	1.19	40.15
Poteau	3.31	3.83	2.14	4.90	11.17	2.49	1.55	1.79	6.21	5.03	3.44	6.03	51.89
Ralston	0.37	0.43	1.98	3.93	6.36	2.45	2.25	0.54	6.37	6.44	1.09	1.86	34.07
Ravia	1.72	2.84	1.48	2.72	6.01	4.45	0.64	0.85	5.49	11.25	4.66	4.87	46.98
Reno Junction	0.80	0.10	2.39	4.21	4.88	3.07	0.02	1.29		9.11	0.82	1.05	
Shattuck				2.31	3.88	8.46	1.65	1.82	8.56	7.70	0.69	0.33	
Shawnee	5.73	1.01	3.44	4.55	9.51	3.97	1.65	0.67	11.60	12.57	2.46	2.74	59.90
Smithville						2.55	1.40	1.46	14.41	5.50	3.84	11.00	
Spavinaw			1.51	4.19	5.72	8.59	2.63	0.12	8.63	8.96	3.26	4.86	
Stillwater	1.00	0.33	1.43	4.23	9.72		T.	0.38	13.98	7.62	0.84	1.86	
Sulphur	2.51	1.28	1.80	5.30	8.88	3.87	T.	2.51	6.54	10.75	2.81	4.26	50.51
Tahlequah	3.99		3.76					1.31	3.99	7.26	6.50	5.53	
Tamaha	2.62	3.16	2.69	5.73									
Tulsa	1.54	1.41	4.49	5.99	6.95	7.20	1.58	1.18	8.32	10.78	3.06	3.36	55.86
Tuskahoma	3.36	3.21	3.16	4.06	9.13	3.90	1.20	2.00	14.43	9.76	3.76	7.64	65.61
Union City		0.66	2.10	4.72	6.17	4.24	0.85	4.04	9.99	13.08	1.97	1.96	
Vinita	2.23	1.24	2.48	3.04	5.66	7.96	1.96	0.05	3.37	8.55	3.13	3.73	43.40
Walters	3.50	0.81	0.64	4.03	3.45	5.44	0.41	0.51	5.85	9.21	2.11	2.44	38.49
Watts	3.90	2.38	4.49	3.06	8.49	4.36	1.27	3.24	3.26	7.82	4.76	4.76	51.79
Waukomis	T.	0.30	2.45	5.55	6.38	4.34	0.16	0.75	6.70	5.55	0.83	1.13	34.14
Waurika	1.27	1.43	1.04	3.33	3.20	7.08	0.72	2.23	2.37	7.45	2.40	1.81	34.33
Weatherford	0.15	0.33	1.96	3.30	6.43	6.38	0.41	1.58	8.07	11.45	0.82	0.82	41.79
Webbers Falls	3.33	2.47	4.21	4.10	10.28	3.99	0.80	0.90	7.45	8.14	6.06	5.65	57.38
Wichita National Forest	2.64	0.12	2.13	5.91	4.05	6.08	0.82	1.74	3.63	11.62	2.69		
Wilburton	3.38	2.64	1.79	6.21		4.32		2.15	9.50	9.17	4.77	7.29	
Woodward	T.	0.11	2.12	2.20	8.86	5.96	1.88	0.38	12.26	12.83	1.19	0.95	48.74
Wyandotte	1.92	1.82	2.48	3.78	5.48	10.28	1.80	T.	6.53	9.06	3.25	4.24	50.64
Yonkers	4.82	1.79	5.09	3.89	6.10	4.33							
Oregon													
Albany	11.90	1.50	2.37	3.05	1.30	2.05	1.11	0.06	0.81	2.39	3.45	6.01	36.00
Andrews	0.44	0.02	0.10	1.14	1.04	1.47	0.23	0.18	1.17	1.01	0.45	0.58	7.93
Ashland	1.88	0.50	0.84	1.58	1.39	1.96	0.65	0.97	1.87	3.09	1.24	2.56	17.63
Astoria	13.94	3.66	4.97	4.19	3.88	1.47	1.99	0.97	1.69	2.82	4.65	11.17	55.40
Baker	0.80	0.53	0.36	1.28	1.59	2.54	0.60	0.77	0.36	2.19	0.38	1.16	12.56
Bear Creek	1.14	0.27	0.41	1.71	1.84	1.63	2.44	0.14	0.65	2.15	0.48	1.21	14.07
Bear Valley	1.58	0.63	0.96	1.55	1.35	1.76	1.76	0.69	0.62	2.08	0.40	1.20	14.58
Beech Creek	1.85	0.37	0.81	1.44	2.10	2.23	1.40	0.95	0.60	3.18	0.54	1.12	16.59
Bend	4.08	0.65	0.49	0.87	0.96	1.24	2.27	T.	0.05	1.46	0.34	3.25	15.66
Big Eddy	3.48	0.35	0.56	1.11	0.50	0.38	1.30	0.66	0.78	0.64	0.44	2.33	12.53
Blitzen	0.48	0.06	0.51	1.34	1.25	1.79	1.23	0.28	1.27	1.35	1.16	0.37	11.69
Brookings	12.36	2.29	3.04	5.90	3.53	0.79	0.30	0.98	2.21	4.56	6.66	8.31	50.03

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
***Oregon*—Continued**													
Cascade Locks	24.92	2.83	8.37	4.40	3.19	1.25	1.76	2.08	0.94	3.02	7.95	15.55	76.26
Cascadia	15.50	2.80	7.07	5.00	5.15	5.00	2.10	0.40	2.10	6.00	5.24	10.73	67.09
Cazadero	13.92	3.91	4.35	3.81	4.40	3.49	3.39	0.88	1.38	3.75	3.68	9.28	56.24
Chiloquin	1.52	0.48	0.03	2.00	0.84	0.92	0.76	0.24	1.34	1.50	1.14	2.43	13.29
Clarno	1.17	0.49	0.13	1.41	0.38	0.76	1.82	0.18	0.29	2.25	0.42	1.08	10.38
Classic Lake	22.70	5.41	8.52	4.69	6.27	2.58	2.97	0.23	2.77	4.70			
Condon	2.15	1.04	0.22	1.75	0.78	1.02	1.91	0.94	0.40	2.17	1.04	1.45	14.87
Coquille River Lighthouse	10.64	1.91	2.98	3.45	3.33	0.69	0.53	0.16	0.80	1.84	3.81	5.68	35.82
Cornucopia	10.25	1.94	3.28	5.15	3.30	5.42	0.55	1.52	0.81	3.62	3.56	5.52	44.92
Corvallis	10.88	2.16	2.57	2.71	0.99	1.09	1.08	0.19	0.71	2.39	3.98	8.32	37.07
Cottage Grove	11.57	1.79	3.52	3.71	2.28	2.19	1.14	0.47	1.95	4.37	4.23	6.54	43.76
Cove	3.67	0.80	1.72	2.85	3.59	4.99	0.50	0.59	0.79	5.04	2.19	2.09	28.82
Crane						1.52	0.04	0.10	0.61				
Crater Lake	8.20	3.49	3.75	3.47	2.94		2.03	0.92	2.00	3.00	7.55	9.00	
Dayville	0.39	0.15	0.21	2.00	0.91	1.64	2.80	0.41	0.21	2.55	0.42	1.03	12.72
Detroit	21.47	3.89	4.70	3.66	3.95	2.58	3.02	1.50	1.22	4.06	7.55	13.11	70.71
Doraville	11.26	2.00	3.03	2.69	2.04	1.34	2.41	0.28	0.86	2.88	3.16	8.26	40.21
Drain	11.96	1.50	2.80	3.49	2.08	1.02	0.81	0.47	0.94	3.55	3.45	6.48	38.55
Drewsey	1.49	0.00	0.20	1.36	1.75	2.53	0.20	0.44	0.80	2.45	0.40	0.67	12.29
Dufur	2.37	1.11	0.32	1.10	0.47	0.95	1.38	0.38	0.60	0.70	1.11	4.42	14.91
Echo	0.71	1.63	0.26	1.18	0.34	0.94	0.65	0.54	0.46	2.02	0.95	1.21	10.89
Eugene	10.07	1.56	2.29	2.96	1.38	1.90	1.06	0.25	1.21	2.75	2.78	4.84	33.05
Fish Lake	5.97	1.20	2.33	2.95	4.16	3.78	1.35	0.43	3.13	6.74	5.00	6.45	43.49
Forest Grove	12.31	3.25	2.07	1.94	1.14	1.72	1.90	0.03	0.76	1.77	3.43	7.26	36.98
Fossil							1.70	0.78	0.83	2.57	0.50	1.32	
Fremont	1.34	0.85	0.11	1.18	1.08	0.92	1.08	0.27	0.55	0.77	0.08	1.63	9.86
Government Camp	21.89	5.25	12.36	4.62	5.92	3.42	1.37	0.98	2.56	7.22	5.25	12.15	82.79
Grants Pass	3.75	0.94	0.44	1.54	1.02	0.92	0.04	0.15	1.43	2.79	0.99	2.91	16.92
Harney Branch Experiment Station	0.47	0.09	0.09	1.94	0.86	1.52	0.33	0.06	0.39	1.38	0.87	0.44	8.44
Harper	0.76	0.03	T.	0.63	2.86	2.39	0.43	0.76	0.40	1.79	0.25	0.27	10.57
Hay Creek	1.70	0.63	0.16	1.81	1.30	0.74	3.34	0.10	0.54	1.54	0.39	0.79	13.04
Headworks	18.19	4.61	5.93	4.12	6.32	3.92	3.36	1.63	1.79	4.00	9.00	11.67	74.54
Heppner	1.00	1.39	0.40	2.86	0.68	1.73	1.50	0.40	0.57	2.72	0.98	1.55	15.78
Hermiston	0.76	0.96	0.22	1.05	0.34	0.91	0.71	0.73	0.38	2.11	0.61	0.83	9.61
Hilgard	3.49	1.34	1.86	1.70	3.70	5.34	1.44	0.04	0.35	3.47	1.95	1.69	26.37
Hillcrest Orchard	1.81	0.47	0.52	1.09	1.00	1.48	0.86	0.77	1.26	2.49	1.02	1.70	14.47
Hood River	11.25	2.14	2.64	1.79		0.45	1.25	0.52	0.27	1.14	2.35	3.05	
Howardville	5.91	1.50	3.28	3.03	3.52	3.71	0.52	0.86	0.19	2.87	2.81	5.35	33.55
Huntington						2.26	0.47	0.10	0.15	1.10			
Ibex Mine	1.00	0.52	2.38	2.56	1.67	1.31	0.56						
Intake			3.45	1.67	2.89	2.61	3.93	0.88	1.35	3.63	6.07	6.99	
Jacksonville	2.92	0.95	0.76	1.58	0.67	1.53	0.39	0.28	1.07	2.10	0.86	2.74	15.85
Jefferson	11.31	2.06	2.70	2.73	1.94					2.93	3.66	5.72	
Jewell	23.23	2.47	7.41	2.90	3.94	2.29	1.26	0.42	1.35	6.31	6.11	15.46	73.15
Joseph	1.82	2.21	0.91	1.71	3.27	4.51	0.84	0.94	0.64	3.12			
Kent	3.09	0.63	0.36	1.42	0.46	0.35	1.92	0.25	0.68	1.45	0.37	1.25	12.23
Kingman	0.53	T.	0.10	0.81	1.54	1.65	0.12	T.	0.57	1.55	0.49	0.24	7.60
Klamath Falls	1.38	0.52	0.04	1.34	0.57	0.41	0.60	0.20	1.46	1.43	0.68	1.22	9.85
La Grande	3.73	0.65	2.30	2.28	2.31	2.96	0.97	0.32	0.45	3.01	2.10	1.69	22.77
Lake Creek	2.02	0.21	1.20	2.46	1.99	3.00	0.23	0.19	0.81	4.15	1.61	1.79	19.66
Lakeview	0.87	0.61	0.01	1.48	0.85	1.67	1.16	0.36	1.60	1.81	0.33	0.38	11.13
Lapine	2.47	0.63	0.12	0.94	1.03	1.80	1.59	0.64	0.33	1.47	0.66	2.25	13.93
McKinley	14.88	2.18	4.46	4.90	4.35	2.36	0.41	0.06	1.00	4.01			
McMinnville	11.02	2.23	1.75	1.21	1.19	0.87	1.42	0.23	1.24	1.58	3.97	6.75	33.46
Madras	1.50	0.38	0.12	1.01	1.06	0.58	1.44	0.04	0.75	1.51	0.21	0.88	9.48
Marshfield	13.12	3.09	5.82	4.78	4.34	2.26	0.92	0.08	1.24	4.06	5.40	9.06	54.17
Medford	1.63	0.38	0.41	1.00	0.58	0.69	0.59	0.89	0.99	2.00	0.87	1.53	11.56
Merrill	0.64	0.05	T.	0.63	0.64	0.25	0.56	0.22	0.57	2.66	0.51	0.46	7.19
Mikkalo	1.93	1.02	0.18	0.93	0.28	0.37	1.20	0.41	0.37	1.33	0.56	1.67	10.25
Milton	0.87	0.60	0.00	0.55	1.14	1.82	0.16	0.81	0.21	2.75	0.55	0.99	10.45
Miramonte Farm	11.55	2.63	3.04	1.51	1.97	2.01	2.15	0.11	1.21	2.65	4.50	6.76	40.09
Modoc Orchard	2.36	0.61	0.55	1.29	0.88	0.71	0.44	0.96	0.82	2.56	1.44	2.65	15.27
Morgan						0.18	1.22	0.17	0.35	0.81	0.37	1.21	
Moro	2.29	0.81	0.56	1.28	0.45	0.62	1.48	0.30	0.63	0.96	0.91	2.29	12.58
Mount Angel	14.21	2.78	3.03	2.53	2.50	2.39	2.32	0.20	0.23	2.82	2.15	5.20	40.36
Newhall Ranch	2.46	0.20	0.44										
Newport	17.26	2.66	7.52	5.03	4.06	1.19	0.94	0.43	1.60	3.97	6.68	9.41	60.75
Oakridge						0.90		1.94	0.94	2.08	2.46	6.05	
Ochoco	3.67	0.77	0.93	2.09	1.66	1.74	1.81	0.31	0.66	3.00	0.85	0.71	18.20
Olive Lake	6.23	2.04	3.79	3.05	2.18	3.90	1.06	0.81	0.39	3.66	2.37	5.01	34.49
Oregon City	13.00	2.55	3.14	2.10	1.68						4.77	7.00	
Ortley	5.82	1.66	0.80	1.53	0.86	0.93	1.50	0.66					
Parkdale	14.05	2.45	2.50	2.27	1.42	0.93	1.37	1.00	0.58	3.04	3.98	12.23	45.82
Pendleton	2.13	2.25	1.43	1.71	1.39	2.90	0.43	0.65	0.55	2.14	1.40	2.33	19.31
Pilot Rock	0.77	0.89	0.09	1.14	1.72	2.60	0.83	0.38	0.33	3.00	1.04	1.45	14.24
Portland	9.57	1.81	1.83	1.90	1.48	1.19	2.17	0.26	0.59	1.61	4.15	6.25	32.81
Port Orford			2.99	4.80	3.54	1.92	0.26	0.11	0.99	3.81	2.14	7.78	
Power House	2.15	3.91	0.66	1.25	1.43	2.62	0.58	0.60	0.25	4.02	0.93	2.99	21.39
Prairie City	1.41	0.36	1.11	1.41	1.60	1.53	1.51	1.19	0.40	2.65	0.85	1.18	15.20
Prineville	1.86		0.08	1.01	1.25	1.16	1.62	T.	0.35	3.04	0.47	1.48	
Prospect	6.58	1.29	1.97	2.58	2.94	1.50	1.29	0.40	1.28		3.67		
Reservoir No. 3	0.62	0.04	0.18	1.16	1.91	2.16	0.31	0.74	0.32	2.26	0.19	0.55	10.44
Richland					0.70								
Riddle	6.02	1.27	1.19	1.53	1.68	0.97	0.37	0.16	1.02	3.42	1.55	3.70	22.88
Riverside	0.88	0.16	T.	0.90	1.10	3.07	0.88	0.25	0.65	2.26	0.25	0.43	10.83
Rock Creek	3.12	1.03	1.22	0.68	2.15	2.41	0.96	0.66	0.31	1.89	0.67	2.25	17.35
Roseburg	5.69	1.41	1.32	2.23	1.56	1.22	0.59	0.30	1.63	3.40	1.95	4.31	25.61
Round Grove	1.37	0.39	0.15	1.75	1.24	1.61	1.15	0.10	0.83	1.62	0.88	1.32	12.44
Salem	10.17	2.62	1.99	1.70	1.89	0.97	1.21	0.05	0.70	2.21	3.80	6.22	33.53
Silver Lake	1.27	0.57	0.24	1.19		1.61	1.56	0.38	0.75	0.35	0.12	0.80	
Siskiyou	3.84	1.84	0.78	4.30	1.00	1.49	0.56	0.29	3.53	2.97	2.08	5.52	28.20
Sparta	4.02	0.88	2.03	1.55	2.40		0.84	0.10	0.16	1.51	0.12	2.50	
Starkey	1.28	0.86	0.87	2.18	3.70	3.80	0.65	0.65	0.21	3.15	1.02	1.41	19.78
Summit											6.33	11.38	
Sunrise Valley	0.76	0.02	0.20	1.33	1.51	1.14	0.17	0.07	1.14	1.59	0.51	0.87	9.31

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Oregon—Continued													
Talent	1.35	0.40	0.67	0.84	0.72	1.39	1.44	0.18	1.77	2.81	0.93	1.91	14.41
The Dalles	4.40	0.57	1.58	1.20	0.34	0.65	1.18	0.70	0.93	0.58	1.04	3.05	16.22
Toledo	24.59	3.51	8.54	5.82	3.96	1.68	0.92	0.15	1.73	4.51	7.95	12.68	78.04
Tule Lake	0.33	T.	T.	0.20	0.51	------	0.65	------	------	------	------	------	------
Ukiah	2.71	1.06	0.43	1.98	1.94	4.79	1.65	0.34	0.32	3.10	0.66	1.32	20.30
Umatilla	0.78	0.74	0.21	0.89	0.28	0.68	0.70	0.81	0.35	1.95	0.73	0.55	8.67
Umpqua	13.38	1.96	5.70	5.30	4.38	1.22	0.80	0.26	1.08	3.99	5.38	7.53	50.98
Union	2.14	0.58	0.80	1.89	1.94	3.43	0.70	0.40	0.48	3.26	1.15	0.69	17.40
Vale	0.29	T.	T.	0.71	1.09	1.50	0.45	0.15	0.22	2.49	0.48	0.10	7.48
Valley Falls	0.47	0.00	0.11	1.05	0.85	2.27	1.82	0.08	1.31	1.95	T.	0.74	11.25
Waldo	9.02	1.79	1.16	3.72	2.22	1.44	0.03	0.03	1.24	4.36	2.15	------	------
Wallace Orchard	8.77	3.19	2.09	1.65	1.58	1.94	1.02	0.07	0.69	2.61	3.20	5.84	32.65
Wallowa	2.06	0.66	0.84	1.65	2.84	3.47	0.21	0.06	0.60	2.14	0.45	2.26	17.05
Warmspring	2.26	0.39	0.17	0.15	0.45	0.47	1.62	------	------	0.50	0.24	0.52	------
Wasco	3.20	0.86	0.65	0.91	0.63	0.77	1.57	0.34	0.92	0.96	0.77	1.81	13.39
Welches (near)	11.14	3.90	8.67	5.07	6.04	3.87	3.94	1.23	1.28	5.47	8.26	13.88	72.75
Weston	2.36	1.74	0.82	1.39	1.74	3.49	0.99	0.50	0.62	4.06	1.62	1.98	21.31
Williams	4.63	1.52	0.64	1.84	1.01	1.62	0.10	0.05	0.91	2.56	1.13	5.90	21.91
Willow Creek	13.53	3.17	4.11	7.27	4.84	2.33	0.80	0.05	1.48	4.24	5.70	7.71	55.23
Yonna	0.63	0.15	T.	1.19	0.53	0.80	1.11	0.03	------	------	------	------	------
Pennsylvania													
Allentown	5.11	2.34	3.68	3.14	3.01	0.69	2.46	2.40	3.63	4.57	2.11	5.35	38.49
Altoona	3.75	1.68	2.56	3.87	3.87	2.14	6.30	2.20	2.85	1.26	3.66	6.56	40.70
Ausonia	1.91	1.28	0.84	2.18	3.90	1.69	0.92	4.09	2.31	1.91	1.55	3.21	25.79
Arendtsville	3.36	1.78	2.30	------	------	------	------	------	------	------	------	------	------
Beaver Dam	3.44	2.28	2.25	1.89	4.43	2.79	3.37	2.38	4.48	1.15	3.26	5.99	37.71
Beaver Falls	3.29	2.26	2.15	1.79	4.31	2.03	2.11	1.87	3.71	1.19	2.90	5.51	33.12
Bellefonte	4.09	2.26	1.27	2.92	------	------	------	------	------	------	------	------	------
Bethlehem	3.99	2.43	3.87	------	2.74	0.41	3.15	2.48	4.10	4.13	------	3.58	------
Bigerville	------	------	------	2.38	2.62	1.86	2.70	------	8.68	1.89	1.90	3.63	------
Bloserville	4.45	1.71	2.04	3.94	2.94	5.26	3.91	3.11	6.53	1.60	2.83	5.61	42.93
Bradford	4.50	2.03	2.54	2.53	3.62	3.90	4.85	1.94	2.60	1.48	3.14	5.77	38.90
Bradys Bend	3.26	2.36	2.54	2.36	4.93	2.19	4.83	1.81	1.65	1.55	3.26	6.48	37.22
Brookville	4.00	2.20	1.43	1.17	4.77	2.17	3.03	3.29	1.77	1.41	2.85	5.59	33.68
Bustleton	4.51	2.79	3.57	4.68	1.78	2.66	3.66	2.85	3.72	4.22	2.33	4.58	41.35
Carlisle	4.65	2.35	2.10	3.00	2.36	5.24	5.50	1.26	5.61	2.27	2.33	4.20	40.87
Catawissa	4.20	1.77	1.20	2.41	3.47	3.21	7.28	1.80	5.44	3.28	2.07	3.62	39.75
Cedar Run	3.33	1.27	1.68	2.34	3.68	1.31	1.82	2.93	1.95	1.56	2.21	3.48	27.56
Center Hall	4.37	1.29	0.92	1.30	7.43	2.72	------	------	3.66	1.32	1.78	6.16	------
Chambersburg	4.44	1.92	2.35	2.47	3.62	1.67	7.78	3.61	5.17	1.64	2.87	4.81	42.35
Clarion	4.37	1.57	2.05	1.65	4.77	1.65	------	------	------	------	------	------	------
Claysville	3.13	1.81	2.94	3.87	3.42	3.12	3.21	3.55	4.60	1.27	3.42	6.60	40.94
Clearfield	3.67	3.10	2.37	2.68	4.21	2.07	4.68	2.88	2.92	1.32	3.99	7.56	41.45
Cloe	3.15	2.04	2.13	2.92	4.63	1.74	4.65	2.31	2.09	1.36	3.19	6.21	36.42
Clymer	4.63	2.21	2.33	3.03	4.45	7.08	6.25	2.80	3.39	1.28	3.33	7.35	48.13
Coatesville	4.52	2.53	4.01	5.89	3.35	1.59	1.58	6.11	3.98	4.11	2.45	5.01	45.13
Colebrook	3.84	2.17	2.84	2.93	2.20	1.59	4.77	2.16	4.32	4.01	2.29	4.15	37.27
Confluence	4.84	3.49	3.21	3.78	1.97	6.52	4.11	3.96	1.69	1.50	3.50	6.11	44.68
Conshohocken	------	------	------	------	------	------	------	3.51	3.77	3.49	2.27	4.04	------
Coraopolis	3.94	2.15	2.27	2.97	4.66	3.68	5.67	3.52	1.96	1.04	2.56	5.96	40.38
Corry	5.31	2.29	2.62	2.59	4.60	3.25	2.05	2.45	2.69	1.64	3.79	6.10	39.47
Creekside	3.48	------	------	3.02	4.74	7.99	7.54	4.45	2.98	1.64	4.38	8.55	------
Cresson	4.77	2.62	3.41	5.07	4.05	3.56	7.50	3.01	3.51	1.59	4.53	6.32	49.94
Derry	4.74	3.77	2.91	3.97	3.89	4.79	5.64	3.02	2.71	1.41	3.76	5.82	46.43
Doylestown	4.18	2.13	4.31	5.25	2.31	1.89	4.01	4.98	4.60	3.52	2.93	4.16	44.36
Driftwood	4.90	2.39	1.68	2.22	4.57	3.73	2.53	2.56	------	------	------	------	------
Ebensburg	5.04	2.40	3.12	3.80	4.84	3.16	4.99	2.83	3.28	1.69	3.33	7.02	45.50
Elk Lick	7.74	4.80	3.88	4.85	2.60	6.74	3.43	3.44	2.73	1.92	3.69	5.99	51.71
Emporium	4.55	3.16	2.35	2.59	5.23	2.05	3.04	2.27	------	1.12	2.91	5.45	------
Ephrata	3.65	2.08	3.82	4.01	3.09	1.71	2.09	1.88	3.89	3.16	2.29	3.87	35.24
Erie	2.67	1.45	1.89	2.23	2.62	1.17	0.93	1.43	3.52	1.35	2.45	4.73	26.43
Everett	------	------	------	------	------	2.75	4.53	2.88	3.14	1.19	------	------	------
Falls Creek	4.50	2.72	2.10	2.98	6.29	4.29	2.24	2.96	2.16	1.14	3.01	6.66	41.05
Forest City	5.77	2.06	1.40	3.60	3.92	2.50	4.48	5.44	3.99	3.00	3.55	3.54	43.25
Franklin	4.90	2.13	2.07	1.96	4.11	2.08	2.82	1.86	3.06	1.79	3.10	5.45	35.53
Freeland	6.69	2.66	2.03	2.55	4.81	3.90	7.93	2.76	3.29	3.29	1.91	4.00	45.82
Freeport	5.07	2.51	3.14	3.12	5.02	5.52	4.23	2.72	2.65	1.45	4.26	7.24	46.98
George School	4.92	2.92	3.86	4.67	1.82	1.94	5.13	4.30	5.27	4.01	2.32	4.28	45.44
Gettysburg	3.73	2.23	2.93	2.94	2.71	1.62	7.21	3.88	5.27	1.87	2.18	4.07	40.64
Girardville	5.26	2.43	1.52	2.54	2.99	2.19	3.25	3.24	3.57	3.31	2.35	4.54	37.19
Gordon	5.49	2.27	1.74	2.36	3.75	1.81	3.92	2.82	3.51	3.37	2.67	5.95	38.76
Gouldsboro	5.70	1.93	1.70	2.61	3.68	5.57	8.77	1.95	5.10	3.18	2.30	4.27	44.76
Graterford	4.90	3.06	4.31	4.08	1.38	0.76	4.15	2.79	3.25	2.72	2.42	4.17	38.01
Greensburg	4.21	3.43	2.80	3.58	4.40	4.75	3.53	3.14	3.12	1.76	3.57	6.37	44.66
Greenville	5.92	1.87	1.73	2.09	4.37	1.85	2.90	1.82	3.88	1.55	3.58	4.70	36.26
Grove City	4.06	1.94	1.85	1.45	5.41	2.77	5.18	2.36	3.27	1.89	6.84	4.41	41.43
Hamburg	3.55	2.95	3.99	4.11	3.08	0.99	2.40	3.27	6.72	4.09	3.28	4.87	43.20
Hanover	3.32	1.74	3.89	3.38	2.48	2.58	4.99	6.05	5.88	2.09	2.88	4.16	43.44
Harrisburg	3.14	1.84	1.83	1.74	3.14	2.30	3.33	0.73	4.06	2.20	1.95	3.75	30.01
Hawley	5.53	1.96	1.47	2.24	3.23	3.99	4.53	2.96	4.36	2.75	2.65	4.99	40.66
Herrs Island Dam	3.76	2.16	2.33	3.67	3.69	4.46	6.38	3.74	1.88	0.90	2.18	3.74	40.89
Holtwood	4.69	2.54	2.74	2.92	2.55	1.54	3.45	2.77	2.43	4.30	2.15	3.83	35.71
Huntingdon	3.48	2.15	1.80	2.85	3.34	1.69	7.15	3.54	2.81	1.19	2.75	4.92	37.17
Indiana	6.12	2.79	1.79	------	------	4.07	1.99	0.50	2.98	2.82	3.02	5.09	------
Ingram	3.88	2.23	2.42	------	3.93	4.13	6.35	3.21	1.90	1.18	2.85	6.14	------
Irwin	3.19	2.37	2.61	2.82	4.44	2.38	3.75	4.04	2.91	2.01	2.46	5.68	38.26
Jersey Shore	3.63	1.83	1.40	1.58	4.70	3.13	5.46	3.55	3.92	------	------	------	------
Johnstown	5.34	3.12	4.04	4.19	3.41	5.04	6.26	4.92	4.70	1.46	4.05	6.31	53.84
Kennett Square	------	------	------	------	2.16	0.75	4.47	3.32	6.58	3.76	------	------	------
Ketner	4.19	2.41	1.07	1.97	4.47	2.68	2.61	2.51	3.59	1.52	3.38	5.25	34.55
Lancaster	4.71	2.39	3.66	3.37	3.12	1.79	2.94	2.41	3.46	4.14	2.56	4.26	38.81
Lansford	3.78	1.48	1.73	1.95	2.81	2.11	2.30	3.21	3.78	2.78	1.76	5.73	35.42
Lawrenceville	2.85	0.80	0.70	2.00	2.55	2.10	2.50	1.43	2.67	1.90	1.65	2.00	23.75
Lebanon	3.42	2.10	2.58	2.52	2.48	1.88	6.21	1.50	3.91	3.68	2.85	4.22	37.44

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Pennsylvania—Continued													
Lewisburg	5.28	2.00	1.91	2.57	4.26	1.92	8.06	3.24	2.71	2.89	2.48	4.29	41.61
Linesville	4.63	1.60	2.36	2.02	3.51	2.34	2.01	3.15	2.57	1.64	3.69	4.92	34.44
Lloyd	2.74	1.18	1.54	2.33	3.55	1.90	1.66	2.39	2.19	2.00	2.42	------	------
Lock Haven	3.44	1.66	2.96	1.73	4.51	2.30	4.94	2.66	2.21	2.16	2.08	------	------
Lock No. 4	3.36	2.13	2.79	3.43	3.18	2.13	2.96	2.88	2.34	1.74	2.88	6.43	36.25
Lycippus	4.96	3.26	3.88	4.31	3.31	4.74	5.67	3.03	1.88	2.20	3.44	6.31	46.99
Lykens	4.43	1.80	1.45	1.99	4.03	2.36	4.44	2.43	4.97	2.97	3.74	4.36	38.97
Marcus Hook	4.54	2.45	3.06	5.28	1.54	0.96	3.51	4.85	5.54	3.72	2.22	4.38	42.05
Martin	3.46	2.39	3.03	3.78	2.68	5.85	4.85	4.76	2.06	1.26	3.38	4.71	42.21
Mauch Chunk	5.41	1.87	2.50	2.80	4.15	2.10	3.03	4.01	3.85	3.98	3.60	5.17	42.47
Mifflintown	3.95	1.59	1.44	2.48	3.61	2.02	7.75	1.32	3.26	1.84	2.45	3.84	35.55
Montrose	3.60	0.65	1.12	2.31	4.65	3.31	2.27	3.85	3.83	3.95	2.29	2.81	34.64
Mount Pocono	------	------	------	------	------	------	------	3.17	7.70	6.01	4.38	2.61	------
Mount Union	3.29	2.13	1.82	3.38	3.59	3.14	5.66	1.82	3.67	1.59	2.57	5.15	37.75
Muncy Valley	5.02	1.29	1.88	1.95	4.76	1.85	5.72	4.08	3.90	4.08	3.11	4.98	42.62
Narberth	4.70	2.82	3.94	5.48	2.03	1.27	3.14	6.72	3.88	4.07	2.78	5.02	45.85
Neshaminy Falls	5.04	2.06	3.62	4.59	1.53	3.27	3.39	2.96	4.12	4.05	2.05	4.52	41.20
New Castle	3.95	1.56	3.82	1.69	4.43	2.47	4.76	3.61	2.86	0.93	2.81	4.98	37.87
Newell	2.51	1.99	2.47	2.90	2.66	3.34	4.69	2.11	1.91	1.37	2.74	4.70	33.39
North Shenango	5.65	1.59	3.09	1.68	3.34	2.09	2.38	------	------	------	------	------	------
Palmerton	3.47	1.03	1.85	2.62	4.54	1.79	2.53	3.59	2.93	3.21	2.71	2.74	33.01
Parkers Landing	5.29	2.56	2.24	1.89	4.40	2.62	3.28	1.97	1.54	1.62	3.72	7.29	38.42
Penn Line	3.57	1.42	2.36	1.84	3.81	2.27	2.46	2.93	4.30	1.57	3.28	4.44	34.25
Philadelphia (Weather Bureau)	4.78	2.71	3.58	5.09	1.23	0.65	3.51	4.26	3.64	3.77	1.91	4.06	39.19
Philadelphia (d)	5.60	2.40	4.18	4.15	1.28	0.84	3.91	7.06	4.73	3.09	1.86	4.32	43.42
Phoenixville	3.89	2.41	5.21	4.52	2.44	0.95	3.91	7.30	4.67	4.02	1.98	4.77	46.07
Pittsburgh	3.49	2.18	2.15	3.82	3.34	4.28	6.74	4.24	1.62	1.05	2.39	6.22	41.52
Pottstown	3.66	2.25	3.39	3.34	2.55	0.49	3.58	3.87	4.26	4.10	2.10	5.39	38.98
Pottsville	5.34	2.14	2.11	1.99	4.05	1.93	3.23	3.07	5.74	3.67	3.08	4.85	41.20
Quakertown	3.31	2.32	3.82	3.31	2.34	1.11	2.52	2.71	5.29	4.24	2.21	4.64	37.82
Reading	3.52	2.38	3.56	3.24	2.43	0.54	2.89	1.27	3.34	3.61	2.21	4.51	33.50
Renovo	3.10	1.15	1.69	2.53	3.97	3.13	3.66	1.86	2.13	1.55	1.69	4.44	30.90
Ridgway	4.04	1.58	2.00	2.24	4.57	1.33	2.69	2.49	2.27	1.24	2.67	5.44	32.56
Saegertown	4.41	1.83	2.48	1.86	4.52	2.48	3.69	2.35	3.29	2.16	3.84	6.25	39.16
Saltsburg	5.13	2.69	2.76	3.39	4.25	5.50	5.23	2.86	5.15	1.71	3.44	6.44	48.55
Scranton	4.24	1.58	1.65	2.92	3.26	3.05	4.72	3.32	4.38	2.42	2.20	2.42	36.16
Selinsgrove	5.08	1.56	1.39	2.34	3.50	2.09	3.57	2.76	2.44	2.98	2.40	4.59	34.70
Sharon	3.09	1.14	1.82	1.18	3.81	1.47	3.97	3.12	2.99	1.16	2.59	4.31	30.65
Shawmont	4.61	2.66	3.44	4.91	1.72	0.75	2.76	4.24	3.80	3.70	2.67	4.31	39.57
Somerset	5.57	4.48	3.23	3.64	2.11	7.83	6.70	3.13	2.26	1.82	4.13	6.95	51.85
Springdale	4.69	2.23	2.50	3.14	4.54	5.30	6.88	2.62	3.27	1.20	3.07	7.22	46.66
State College	4.17	2.24	1.72	2.39	4.44	2.92	7.09	1.84	2.51	1.60	2.29	4.48	37.69
Stoyestown	5.38	2.84	3.24	4.42	2.00	6.47	7.19	4.11	2.84	1.83	------	------	------
Summit	3.76	2.12	2.87	1.63	3.89	2.89	2.33	2.93	------	------	------	------	------
Sunbury	4.84	2.98	1.06	------	3.24	------	6.10	4.54	3.56	2.87	2.13	3.84	------
Tionesta	4.85	2.18	1.81	2.14	4.65	------	1.85	2.31	3.39	------	------	------	------
Towanda	2.41	1.18	1.36	1.70	2.51	3.51	2.45	2.18	2.51	3.39	1.90	2.92	28.02
Turnerville	4.60	1.24	2.20	1.00	2.65	3.97	2.25	------	------	------	------	------	------
Uniontown	3.68	2.50	3.26	3.97	2.62	4.59	4.44	4.14	2.86	1.97	3.20	5.08	42.31
Unity Reservoir	4.73	2.73	3.13	3.49	4.13	4.90	4.11	3.33	2.83	2.10	3.37	6.42	45.27
Vandergrift	3.74	------	2.88	3.36	4.82	6.63	9.86	3.49	2.00	1.32	2.53	7.40	------
Warren	2.55	1.42	1.54	1.75	3.81	1.74	3.11	1.87	2.59	1.03	3.13	3.84	28.38
Washington	3.13	1.85	3.01	3.59	3.21	6.03	3.65	2.69	2.64	1.52	3.18	6.19	40.69
Waynesburg	3.01	1.76	------	4.16	2.58	3.65	6.03	4.36	3.65	1.61	3.97	5.21	------
Weikert	5.05	2.09	1.77	2.08	3.66	1.07	7.34	1.46	3.05	1.97	4.75	------	------
Wellsboro	2.75	1.24	1.46	2.24	2.97	1.39	0.98	2.24	2.16	2.04	1.63	3.12	24.22
West Bingham	3.27	1.30	1.52	2.45	4.14	3.11	2.46	------	3.12	1.77	2.11	4.30	------
West Chester	3.99	2.30	3.43	4.49	2.86	1.19	2.36	5.44	4.37	2.97	1.84	4.42	39.66
Westford	4.32	1.36	2.71	1.33	3.66	1.57	2.19	2.70	3.53	1.64	3.81	5.07	33.89
West Newton	2.71	2.07	2.18	3.00	3.51	2.03	3.50	4.00	2.68	1.43	2.60	6.16	35.87
White Haven	6.06	1.70	1.93	2.67	2.87	3.83	7.30	2.61	3.27	2.94	2.68	2.96	40.82
Wilkes-Barre	3.97	1.50	1.50	2.36	3.47	3.08	4.53	3.60	6.73	2.76	1.96	3.17	38.63
Williamsport	4.26	1.93	2.25	1.93	3.79	1.88	4.30	2.27	5.40	2.93	2.28	4.40	37.62
York	2.87	1.26	3.69	3.51	2.21	3.68	4.55	2.98	4.91	2.95	1.97	3.70	38.28
York Haven	3.19	1.96	2.65	3.86	2.27	1.67	2.52	1.76	4.95	2.41	1.31	3.51	32.06
Porto Rico													
Aguirre	0.00	2.03	0.10	2.03	1.66	2.23	1.42	2.34	2.63	7.80	1.27	0.12	23.63
Albonito	5.60	1.50	3.11	3.37	0.31	3.62	2.87	6.14	5.15	14.69	9.79	4.91	61.06
Arecibo	4.95	3.70	6.00	4.92	1.25	3.10	2.65	4.90	5.50	3.95	6.75	5.95	53.62
Barceloneta	5.96	2.37	3.11	4.44	3.26	1.30	3.10	2.55	3.83	5.15	5.72	4.98	45.07
Bayamon	3.46	3.99	2.65	2.97	1.47	3.39	3.15	5.52	4.67	6.79	6.73	6.15	50.94
Cabo Rojo	2.28	1.61	2.26	8.07	3.73	1.59	10.35	9.25	7.88	4.23	4.91	0.47	56.63
Caguas	3.90	1.68	1.78	5.74	1.09	3.93	5.43	5.48	3.89	9.95	4.75	4.90	52.52
Camuy	4.16	1.86	4.02	3.11	1.32	0.66	2.75	1.64	2.60	6.14	2.97	2.91	34.14
Canovanas	5.05	3.77	3.67	5.29	0.69	4.94	5.14	6.25	3.56	9.23	7.45	4.33	59.37
Carite Dam	1.78	3.43	3.50	9.35	3.01	9.51	6.55	4.84	7.12	12.51	4.70	1.65	67.95
Cayey	2.86	1.22	1.83	2.91	0.30	4.37	3.47	3.78	3.97	11.41	9.50	3.57	49.19
Cepero	4.37	3.92	2.89	3.16	0.67	5.87	3.00	4.09	7.07	9.26	6.74	6.22	57.26
Cidra	------	1.24	2.35	4.12	------	------	------	------	------	1.11	3.32	5.85	------
Coamo	0.40	0.61	0.26	3.52	1.80	1.21	3.28	2.14	1.79	5.54	4.28	0.63	25.46
Coloso	1.27	4.10	0.73	11.40	6.19	10.83	9.17	9.41	6.41	10.64	7.27	3.49	80.91
Comerio Falls	6.70	3.88	3.53	6.79	0.96	5.86	3.36	8.33	5.53	6.28	12.67	6.22	70.01
Corozal	5.84	2.51	4.30	5.16	1.23	7.47	5.84	10.79	7.94	7.95	10.40	9.07	78.50
Dorado	3.99	4.75	2.13	2.95	2.31	4.20	5.09	4.37	4.07	5.92	5.88	6.55	52.21
Ensenada	0.35	0.11	0.00	4.04	1.24	0.59	2.87	0.57	1.95	3.00	1.05	0.62	16.39
Fajardo	2.24	1.65	1.64	4.28	1.69	6.39	3.22	4.26	4.29	10.39	7.87	1.66	49.58
Guayabal Reservoir	0.37	0.61	1.69	8.62	1.33	1.45	2.03	4.15	10.27	12.86	4.59	1.85	49.82
Guayama	0.34	2.70	0.86	5.70	1.20	4.97	4.53	3.62	5.00	7.60	1.56	0.63	38.71
Humacao	1.09	1.17	2.31	7.94	3.99	10.11	5.08	7.30	5.84	6.94	6.78	1.26	59.81
Isabela	4.30	1.10	1.50	3.00	1.95	0.85	3.30	1.90	3.00	6.80	3.10	5.10	35.90
Jajome Alto	2.82	3.91	4.41	6.82	2.42	3.12	5.09	4.75	8.60	10.13	5.31	2.62	65.00
Jayuya	4.08	0.97	2.14	7.60	2.66	1.84	4.16	3.19	4.53	12.73	8.98	[5.00]	[62.68]
Josefa	------	------	------	------	2.12	5.44	2.79	3.31	2.86	8.62	1.51	0.30	------
Juncos	1.68	0.73	0.20	3.89	0.98	9.76	4.52	5.46	5.05	13.57	2.90	2.50	51.24

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Porto Rico—Continued													
Lares	3.00	1.55	2.47	13.83	11.96	5.57	6.49	8.83	10.51	7.20	3.70	4.24	79.35
Manati	5.43	2.80	3.23	0.92	4.58	2.13	3.63	2.96	4.30	4.93	5.62	7.00	47.53
Maricao	0.30	1.30	2.95	14.55	11.20	2.35	18.50						
Maunabo	1.53	2.88	2.84	5.04	1.16	7.00	3.90	6.15	8.90	11.10	4.90	2.15	57.55
Mayaguez	2.37	1.56	2.29	13.86	7.67	5.81	14.01	12.73	4.84	6.80	3.54	1.50	76.98
Mona Island	1.83	2.03	2.77	1.89	1.80	2.43	1.95	2.07	6.28	6.53	0.70	0.98	31.26
Patillas Reservoir	0.92	4.71	1.85	5.61	2.09	6.58	4.71	4.19	5.64	8.89	3.40	0.47	49.06
Penuelas	1.85	0.55	0.35	5.45	1.30	2.30	1.05	6.87	8.90	12.90	5.85	1.30	48.67
Ponce						0.74	2.23	1.55	7.03	6.29	1.77	0.10	
Potala	0.00	0.00	0.00	3.92	1.03	0.50	2.03	1.18	4.30	5.05	2.65	0.08	20.74
Rio Grande	5.86	4.07	1.23	7.78	0.67	7.26	4.43	9.57	1.86	7.80	5.60	9.63	65.76
Rio Piedras	4.52	4.54	5.18	2.97	1.43	5.01	4.42	5.32	4.99	8.43	7.87	5.08	59.76
San German	1.29	0.72	1.83	5.72	2.84	0.34	8.73	9.42	7.56	9.18	4.29	0.97	52.87
San Juan	2.84	2.93	1.70	3.85	1.13	3.04	2.74	4.08	6.65	4.92	8.08	4.17	46.13
San Sebastian	1.62		2.65	10.80	8.92	9.51							
Santa Isabel	0.22	0.60	0.06	1.77	1.09	1.11	1.48	0.66	1.26	4.34	3.46	0.07	16.12
Santa Rita	1.17	0.28	0.10	5.51	1.75	1.25	1.25	1.35	1.89	4.88	3.35	2.38	25.16
Toro Negro Reservoir	2.30	1.37	1.23	8.61	3.27	1.70	4.02	4.68	9.73	22.82	12.17	5.38	77.28
Utuado	5.50	1.10	1.10	9.60	12.20	6.10	4.10	5.55	10.15	7.63	7.00	3.00	73.03
Vieques Island	1.28	1.04	1.38	2.54	0.71	3.19	1.39	2.25	3.68	6.82	5.85	1.88	32.01
Yabucoa	2.46	3.67	0.59	6.24	3.01	9.13	4.15	8.07	5.94	6.96	4.74	1.90	56.86
Rhode Island													
Block Island	5.43	1.85	4.62	5.78	0.41	1.81	2.02	1.10	3.39	3.76	2.62	4.78	37.57
Bristol	6.19	2.36	4.82	5.39	1.06	4.02	0.96				3.09	3.56	
Greene	6.01	1.87	3.83	5.33	1.32	4.75	2.97	2.57	2.97	5.62	6.29	5.72	49.25
Kingston	8.97	2.10	5.93	6.70	1.39	2.81	1.96	2.28	2.75	7.78	4.14	7.05	53.84
Pawtucket	6.72	1.78	3.46	5.15	1.45	4.01	2.98	2.03	1.25	4.64	4.06	5.36	42.89
Providence	6.55	1.97	3.14	4.75	1.19	4.31	3.09	1.48	1.52	4.00	3.62	5.13	40.84
South Carolina													
Aiken	2.92	3.53	5.19	3.03	6.45	1.62	6.44	5.23	1.93	0.46	1.51	3.60	42.00
Anderson	4.31	5.44	5.43	6.25	8.99	2.02	3.91	5.60	1.20	1.76	4.01	6.04	54.96
Blackville	2.18	5.05	5.42	1.37	6.30	2.05	4.35	7.65	4.67	0.68	1.60	4.09	45.41
Blairs	2.51	4.89	5.62	3.46	5.47	2.54	2.99	4.29	1.60	1.38	3.32	4.20	42.27
Calhoun Falls	3.30	6.25	7.74	4.15	9.71	1.53	1.15	4.86	0.63	0.12	3.41	6.31	49.16
Camden	2.19	3.15	5.05	2.67	2.32	3.82	4.59	10.53	4.85	0.62	1.70	3.63	45.12
Catawba	3.26	4.54	6.38	3.60	6.24	1.09	3.34	8.89	3.22	0.97	2.68	3.18	47.39
Chappells	3.74	5.14	4.98	3.76	5.25	2.85	2.11	4.55	1.30	0.70	3.30	5.59	43.27
Charleston	2.21	1.03	2.38	1.06	6.30	3.58	7.23	12.29	2.11	2.09	1.79	3.91	46.58
Cheraw	2.41	3.09	4.16	4.39	2.76	0.93	4.01	6.08	2.07	1.18	2.47	1.98	35.53
Chester	2.23	5.04	6.63	3.08	4.53	1.85	5.47	8.10	1.43	1.40	2.64	4.35	47.05
Clemson College	3.66	5.84	4.87	5.76	10.98	2.14	5.97	6.03	0.45	0.53	3.66	6.60	56.49
Columbia	2.54	2.83	3.30	2.17	2.97	5.27	2.37	5.47	3.13	0.70	1.34	2.72	34.81
Conway	2.59	2.20	5.14	1.54	6.07	1.47	6.36	5.76	4.30	2.28	2.35	2.67	42.73
Darlington	2.67	2.29	3.92	4.00	4.92	1.08	5.42	8.29	3.65	0.84			
Due West	3.12	5.74	6.34	4.95	7.77	6.48	3.15	3.15	1.54	0.44	3.46	5.14	51.28
Edgefield	3.95	5.56	6.21	4.20	4.39	1.16	4.54	5.65	1.71	0.42	2.67	4.75	45.21
Effingham	1.89	2.02	3.76	3.07	4.12	1.03	5.06	6.35	5.09	0.87	1.24	2.59	37.09
Ferguson	1.56	2.96	4.47	2.87	4.49	1.91	3.53	11.32	3.28	1.53	2.01	4.21	44.14
Florence (No. 1)	1.53	2.75	4.12	2.88	11.22	3.74	4.32	7.61	1.22	0.80	1.13	2.45	43.77
Florence (No. 2)	2.02	2.35	4.16	2.95	9.92	1.40	3.82	7.20	1.76	0.71	1.23	1.56	39.08
Garnett	1.40	1.43	6.25	1.49	8.33	5.00	6.19	9.95	4.73	1.44	2.14	4.66	53.01
Gaston Shoals	4.77	4.01	6.13	4.03	5.96	0.55	3.41	9.99	1.42	1.79	4.88	3.39	50.33
Georgetown	4.58	1.55	4.42	1.35	3.06	2.10	8.85	14.30	5.97	2.40	3.25	3.47	55.33
Greenville	2.08	4.62	5.81	5.77	5.79	1.73	6.21	11.17	1.41	0.51	4.39	4.59	54.68
Greenwood	3.62	6.06	7.85	4.13	7.80	2.09	2.85	6.33	0.44	0.85	2.85	5.26	50.13
Heath Spring	2.13	3.66	5.04	4.30	4.16	2.50	3.04	8.18	6.15	0.96	2.65	1.98	44.75
Kershaw	2.93	3.55	3.79	2.73	3.79	2.21	5.08	9.53	4.25	1.01	2.43	2.83	44.13
Kingstree	1.79	2.31	3.93	2.11	6.07	1.48	3.40	8.27	3.66	0.60	2.11	2.17	37.90
Landrum	4.71	4.33	6.41	4.81	13.45	2.78	3.11	8.82	1.85	0.98	4.54	5.49	61.28
Laurens	3.37	5.38	3.97	5.05	3.90	3.81	3.28	3.57	0.95	0.91	3.76	4.81	42.76
Liberty	2.54	6.21	6.70	5.30	10.32	2.35	3.19	10.48	0.55	0.56	5.70	6.36	60.26
Little Mountain	3.48	4.37	4.26	4.60	6.01	0.72	3.18	6.70	2.48	1.45	2.62	4.29	44.16
Monetta	2.88	5.03	4.93										
Newberry	4.10	5.20	5.31	4.50	3.19	2.46	1.86	5.97	1.27	1.74	3.64	5.29	44.53
Orangeburg (No. 1)	1.29	3.85	4.53	2.47	3.98	3.37	3.70	9.44	2.50	0.82	0.96	4.16	41.07
Orangeburg (No. 2)	1.27	3.88	5.08	2.28	4.10	2.92	5.42	7.68	3.02	0.53	1.03	5.10	42.31
Parris Island	3.20	0.70	3.10	0.70	6.20	5.20	4.49	8.22	1.98	1.58	1.43	4.05	40.85
Pelzer	4.00	5.68	7.24	5.46	8.99	1.40	7.66	6.84	1.42	0.44	4.62	4.92	58.67
Pinopolis		4.90	3.00	0.57	10.16	2.66	5.11		4.68	1.53	2.13	3.58	
Rimini	1.65	3.10	4.97	2.25	4.43	2.36	4.50	8.45	4.97	1.75	1.10	3.85	43.38
St. George	0.87	1.34	4.20	1.98	6.44	3.45	8.10	6.77	2.09	2.38	1.80	4.58	44.00
Saluda			0.45				2.41	4.94	1.81	1.40	3.21	4.55	
Santuck	4.00	5.99	6.41	5.01	7.38	1.44	4.94	6.57	1.02	1.39	4.18	4.67	53.00
Society Hill	2.10	3.07	4.26	3.96	7.58	1.35	5.09	12.29	4.68	1.45	1.91	2.53	50.18
Spartanburg	3.96	4.57	7.56	4.98	4.99	0.79	7.17	6.55	1.11	1.19	4.83	4.05	51.75
Summerville	2.10	1.18	5.32	2.28	8.09	3.04	7.03	8.30	4.42	1.19	3.63	4.24	50.82
Trenton	3.64	4.43	4.73	3.91	5.05	1.53	5.29	4.19	1.47	0.91	2.08	3.82	41.05
Walhalla	3.68	4.73	5.35	4.92	10.19	1.86	3.98	8.63	1.87	0.82	4.54	5.74	56.31
Wedgefield	2.54	2.73	3.73	2.27	3.68	1.92	2.67	6.03	9.62	0.20	1.10	2.92	39.41
Winnsboro	3.58	4.63	4.48	4.65	7.76	1.48	5.15	8.29	2.06	1.04	3.28	3.46	49.86
Winthrop College	2.70	4.68	5.86	4.35	8.42	0.60	5.25	7.93	0.00	1.30	3.23	3.77	47.99
Yemassee	1.27	1.40	5.67	1.17	11.60	4.15	5.41	6.27	3.92	2.96	2.54	5.83	52.19
South Dakota													
Aberdeen	1.65	0.85	1.06	2.32	1.85	5.42	4.15	1.09	3.92	0.48	0.55	0.47	23.81
Academy	0.35	0.00	0.40	1.64	2.73	5.76	1.95	4.67	1.94	0.68	0.28	0.40	20.80
Alexandria		T.			1.63	3.26	3.85	3.96	4.43		0.70		
Ardmore	0.05	0.30	0.40	0.98	3.80	5.93	0.61	3.09	1.52	1.28	0.13	0.25	18.34
Armour	0.50	T.	0.30	2.09	2.75	3.12	2.20	4.31	3.14	0.63	0.51	0.22	19.77
Bellefourche	0.35	0.48	0.81	0.98	1.14	2.63	5.44	7.62	5.78	2.22	0.06	0.24	27.75
Bowdle					1.36	4.93	3.26	1.65	2.21	0.50	0.38	0.15	
Britton	0.94	1.09	0.36	1.69	1.42	4.00	2.39	1.18	0.97	0.65	0.18	0.37	15.24

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
South Dakota—Continued													
Brookings	0.27	0.07	0.29	3.00	2.59	5.74	1.94	3.03	1.73	1.41	0.23	0.23	20.53
Burke			0.21	1.42	3.93	3.87	7.66	3.02	2.03	0.50	0.62	0.10	
Camp Creek	0.51	0.12	0.20	0.34	0.92	2.84	2.25	2.83	4.56	1.69	T.		
Canistota	0.31	0.04	0.70	2.98	2.21	3.57	1.88	4.19	2.47	0.59	0.45	0.52	19.91
Canton		T.	1.20	2.40	3.75	4.10	3.67	4.77	4.00	0.90	0.33	0.30	
Castlewood	0.93	0.13	0.39	4.08	3.86	6.38	2.74	1.29	2.37	0.84	0.25	0.25	23.51
Centerville	0.70	0.10	1.60	2.48	3.99	3.84	1.78	3.97	3.39	0.76	0.41	0.60	23.62
Clark	0.94	0.34	0.73	2.78	2.60	5.34	2.23	1.06	3.11	0.98	0.41	0.23	20.75
Colome	0.56	0.03	0.26	1.24	2.60	4.31	3.81	1.98	2.97	1.15	0.36	0.20	19.47
Cottonwood	0.10	T.	0.31	0.73	2.41	4.87	5.28	3.08	3.05	1.89	0.18	0.40	22.30
Crow Creek	0.38	0.14	0.66	1.75									
Custer	0.39	0.08	0.98	1.02	2.49	3.76	7.84	5.37	2.60	2.63	0.40	0.35	27.95
Deadwood	0.65	1.00	3.30	1.85	2.00	5.90	9.30	5.10	6.60				
Deerfield	0.67	0.32	0.65	1.26	4.19	3.79	4.59	3.39	3.28	1.88	0.10	0.31	24.43
De Smet		0.40	0.40	1.75	2.35	5.73	2.10		1.89	1.20	0.45	0.40	
Dowling	0.12	0.04	0.27	0.83	1.34	4.55	3.84	4.73	2.97	1.78	0.05	0.27	20.79
Dumont	0.64	0.80	2.07	0.74	3.02	4.22	7.77	4.28	3.86	2.39	0.25	0.34	30.38
Dupree	0.61	0.31	0.22	1.77	0.63	3.03	3.34	5.61	3.91	1.17	0.15	0.85	21.60
Eales	0.60	0.10	0.38	1.86	1.33	3.66	2.06	1.97	1.63	1.04	0.14	0.55	15.32
Elk Mountain	0.65	0.65	0.34	0.31	1.93	3.48	5.24	2.84	4.00	1.82	0.48	0.49	22.23
Elm Springs (near)				0.91	1.70	5.48	3.24	5.88	3.29	1.96	T.	0.35	
Eureka	0.13	0.17	0.35	1.31	3.56	4.17	3.67	1.79	2.56	1.52	0.22	0.20	19.65
Fairfax	0.60	0.25	0.60	1.70	2.92	4.33	2.71	4.51	5.25	0.95	0.45	0.39	24.66
Faulkton	0.25	0.05	0.41	1.40	3.62	5.86	2.49	2.91	2.00	0.65	0.32	0.10	20.06
Flandreau	0.45	T.	0.75	3.06	3.30	4.29	1.06	3.17		0.93	0.65	0.28	
Forestburg	0.05	T.	0.33	1.86	1.31	6.34	2.68	2.75	2.38	0.38	0.36	0.53	18.97
Gannvalley	0.50	T.		1.17	2.04	4.45	5.12	4.95	2.22	0.47	0.35	0.25	
Greenmont	1.10												
Hardy Ranger Station	0.96	0.65	1.92	1.20	3.17	3.61	0.94	2.88	3.79	2.67	0.10		
Harveys Ranch	0.95	1.40	1.30	1.50	2.47	4.73	5.56	1.54	2.75	2.13	0.30	0.25	24.88
Hermosa	0.10	T.	1.29	0.82	4.60	5.09	2.18	4.41	3.44	2.19	0.10	0.29	24.51
Highmore	0.42	0.01	1.01	1.63	2.04	5.15	3.81	5.00	1.17	0.87	0.21	0.19	21.51
Hopewell	0.34	0.12	0.42	2.00	1.51	3.18	1.54	3.10	2.50	1.90	0.21	0.10	16.92
Hot Springs	0.70	0.40	1.00	1.10	4.81	5.26	2.47	2.98	1.79	2.11	0.45	0.50	23.57
Howard	0.18	T.		2.39	1.21	5.56	2.33	3.81	2.61	1.15	0.44	0.26	
Huron	0.28	0.05	0.25	1.50	1.58	4.14	4.17	2.89	1.95	0.63	0.31	0.22	17.97
Interior	0.60	0.00		0.97	3.93	4.63	4.55	6.38	1.95	2.36			
Ipswich	0.48	0.25	0.16	1.27	3.14	3.43	4.08	1.44	2.01	0.53	0.21	0.15	17.15
Isabel	0.25				1.81	3.21	4.58	3.00			0.23	0.13	
Kennebec	0.21	0.03	0.38	0.97	2.35	5.22	3.16	3.73	1.58	0.24	0.37	0.30	18.54
LaDelle	0.21	0.05		1.88	1.74	6.16	3.53		4.03	2.63	0.65	0.20	
Lead	0.59	1.09	2.00	1.75	2.07	5.42	7.34	4.64	5.08	2.74	0.43	0.44	33.59
Lemmon	1.75		0.15	0.79	1.67	5.31	4.67	2.97	4.93	1.58			
McIntosh	0.45	1.00	0.10	2.26	0.89	4.92	3.37	1.38	3.21	0.80		0.38	
McLaughlin	0.40	0.45	T.	3.35	1.75	6.30	6.21	2.20	3.55	1.12	0.33		
Marion	0.10	T.	0.94	3.87	3.72	5.70	2.87	4.33	3.88	0.08	0.65	0.37	27.11
Meadow	0.34	T.	0.08	0.79	1.26	5.12	3.17	3.00	4.39	1.53	0.29	0.22	20.29
Mellette	0.70	0.50	0.50	1.58	2.83	3.17	4.04	1.34	2.53	0.63	0.29	T.	18.11
Menno	0.10	0.00	0.10	3.05	3.60	3.93	2.28	3.44	3.60	0.87	0.35	0.59	21.91
Milbank	2.59	1.29	1.12	2.79	2.52	2.68	1.54	1.21	2.08	0.49	0.52	0.41	19.24
Miller	0.28	0.06	0.34	0.82	0.96	3.32	4.52	2.49	2.11	1.28	0.02	0.25	16.45
Mitchell	0.20	0.06	0.52	2.51	1.77	7.29	3.05	6.25	1.98	0.40	0.29	0.20	24.52
Mud Butte	0.40	T.	0.11	0.77	0.92	5.75	2.93	3.78	2.72	1.97	0.00	0.40	19.75
Murdo	0.25	T.	0.15	1.55	1.86	3.98	3.05	2.11	5.14	0.97	T.	0.40	19.76
Newell	0.22	0.23	0.32	0.82	2.31	3.81	4.54	5.35	5.95	3.14	0.27	0.41	27.37
Oelrichs		0.50	1.20	0.90	3.82	8.21	1.58	4.62	1.93	4.40	0.60	T.	
Onaka	0.40	0.45	0.25	2.25	1.65	5.38	3.85	2.57	2.40	1.35	0.25	0.30	21.10
Onida	0.27	T.	0.20	1.67	2.14	3.33		5.87	1.83	0.65		0.01	
Orman	0.34	0.17	0.68	0.71	1.66	3.43	3.41	4.89	5.08	2.50	0.17	0.57	23.61
Ottumwa	0.14	0.61				3.68	2.17	5.71	2.78	1.75		0.60	
Parkston	0.21	T.	0.56	2.00	2.05	2.55	3.56	2.81	3.50	0.80	0.28	0.43	18.75
Pierre	0.14	0.04	0.68	1.54	1.43	5.67	2.67	3.76	1.21	0.30	0.20	0.24	17.88
Pine Ridge	0.34	0.30	0.38	0.60	0.35	3.18	3.17	4.17		3.41		0.60	
Pollock	0.56	0.50	0.74	1.57	0.82	5.20	7.94	1.33	3.54	0.56	0.20	0.27	23.23
Pukwana									1.68	0.35	0.15	0.21	
Rapid City	0.37	0.14	1.07	0.89	4.25	5.62	2.25	3.50	4.90	1.83	0.06	0.22	25.10
Redfield	0.30	0.15	0.33	1.71	2.10	5.33	2.13	1.15	2.47	0.21	0.31	0.30	16.49
Redig	0.39	0.40	0.55	1.00	0.74	3.22	2.22	3.05	2.74	1.70	0.20	1.10	17.31
Rochford	0.83	0.59	1.04	1.54	3.56	3.48	3.35	3.26	3.14	1.92	0.12	0.25	23.08
Roslyn	0.72	0.36	0.33	1.87	3.07	3.23	2.19	1.04	1.46	0.39	0.67	0.05	15.38
St. Francis	0.42		0.33	0.82	3.25	3.95	3.02	2.84	3.07	1.85	0.17	0.18	
Sioux Falls	0.60	T.	1.23	3.28	3.64	5.92	3.21	3.88	5.79	0.73	0.55	0.40	29.23
Sorum [1]	0.59	T.	0.52	0.61	0.87	4.26	3.26	2.95			0.02	0.21	
Spearfish	0.37	0.37	1.90	1.12	1.68	4.21	7.84	4.28	6.18	3.56	0.52	0.39	32.42
Tyndall	0.30	T.	0.36	3.01	7.38	6.72	2.08	4.39	4.25	0.45	0.00	0.42	29.36
Vale	0.17	0.23	0.49	0.99	1.70	3.60	4.07	5.27	7.34	2.98	0.03	0.24	27.11
Vermilion	0.40	0.06	1.06	3.45	2.89	5.91	2.15	8.85	5.20	0.57	0.24	0.88	31.66
Victor						2.47	1.45	3.92	1.85	0.47	0.53	0.21	
Vivian	0.15	0.03	T.	1.47	1.59	4.04	1.98	3.19	1.03	1.08	0.33	0.15	15.04
Wagner	0.65	T.	1.45	2.97	2.95	1.57	3.61	4.20	3.56	0.60	0.50	0.08	22.14
Waters Ranch	1.55	0.36	1.60	1.62	1.83	4.04	4.23	3.75	4.94	3.99	0.18	0.55	28.64
Watertown	0.91	0.15	0.48	2.65	1.77	5.29	1.41	0.63	1.67	0.23	0.31	0.38	15.88
Wentworth	0.21	T.	0.30	2.45	2.96	5.60	2.39	3.35	2.82	0.51	0.23	0.23	21.05
White Lake	0.26	T.	0.65	1.69	1.37	3.76	1.95	3.91	1.92	0.80	0.26	0.67	17.23
Wood	0.59	0.08	0.77	1.54	3.37	5.57	3.94	1.72	1.33	1.60	0.25	0.41	21.17
Yankton	0.48	0.06	0.95	3.50	4.00	6.49	1.68	6.55	6.01	0.61	0.32	0.77	31.42
Tennessee													
Ashwood	5.75	3.55	7.65	6.60	7.12	2.05	4.60	8.25	3.40	1.35	3.00	6.10	59.42
Bluff City	7.01	4.25	5.73	3.18	2.81	6.94	5.19	3.87	2.06	1.52	1.71	4.27	48.54
Brownsville	5.60	4.63	10.19	4.92	9.05	4.17	5.19	5.25	5.36	2.40	4.31	7.58	68.65
Carthage	7.43	5.00	9.15	5.22	7.31	4.60	3.08	5.44	1.75	1.69	4.49	5.30	60.46
Cedar Hill	8.69	5.13	8.84	5.12	4.87	4.66	2.94	7.41	2.32	2.53	3.56	7.10	63.17
Celina	7.77	4.84	7.66	5.21	6.97	3.34	3.82	9.67	2.00	0.30	3.24	6.42	61.24

[1] Name changed from Jefferson.

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Tennessee—Continued													
Charleston	5.29	4.91	7.56	6.55	6.66	4.92	7.82	3.72	2.41	0.84	4.41	3.84	58.93
Chattanooga	4.81	5.52	6.69	5.56	8.14	5.06	6.31	2.94	2.90	0.86	4.88	5.09	58.76
Clarksville	8.11	4.41	8.99	4.33	4.41	7.12	2.40	7.78	2.86	2.87	3.19	8.60	65.07
Clinton	7.39	5.90	8.47	5.76	7.29	7.05	3.91	1.89	3.37	0.52	3.64	4.84	60.03
Coldwater	5.04	4.54	6.28	5.65	7.97	3.58	3.72	4.42	1.13	1.63	4.78	6.21	54.95
Cookeville	7.08	4.69	9.72	5.07	5.80	3.50	1.85	8.76	2.77	0.66	3.26	5.34	58.50
Copperhill	8.27	4.85	4.24	5.65	7.87	6.39	7.34	4.83	0.41	2.01	3.57	5.12	60.55
Covington	7.08	4.80	7.75	6.71	10.68	6.78	6.15	5.01	6.39	3.07	3.20	6.50	74.12
Crossville (near)	4.36	4.71	6.16	5.17	4.77	4.79	6.10	6.29	2.25	0.77	2.95	5.18	53.50
Dandridge	6.08	4.14	6.85	4.59	4.62	4.30	-------	-------	1.94	1.05	1.47	4.58	-------
Decatur	5.47	4.43	6.54	4.74	8.91	3.26	5.64	2.91	2.85	1.39	4.28	5.86	56.28
Dickson	7.31	4.18	8.08	5.38	5.48	3.81	2.91	5.90	1.58	2.87	3.57	5.97	57.04
Dover	8.73	3.78	9.59	3.67	5.89	6.42	3.60	8.77	4.12	3.72	4.21	8.17	70.67
Dyersburg	8.29	5.40	8.37	5.05	8.03	6.00	5.20	3.65	4.92	3.25	3.93	-------	-------
Elizabethton	5.00	3.42	5.37	2.19	3.07	5.86	6.44	6.26	1.77	0.80	0.93	3.23	44.34
Florence	4.39	3.41	7.15	6.39	5.15	1.68	3.72	6.62	1.56	1.69	3.03	5.63	50.42
Franklin	4.27	3.77	7.82	6.15	5.98	4.74	3.22	6.36	2.37	1.28	2.80	4.72	53.48
Gatlinburg	5.44	5.44	10.17	3.33	5.98	5.30	5.04	9.21	1.12	1.61	1.43	4.76	58.83
Greeneville (near)	5.28	3.50	6.47	2.23	5.54	2.57	-------	-------	-------	0.78	1.37	3.36	-------
Halls Hill	4.37	4.20	6.44	4.80	6.62	2.82	1.55	4.52	1.83	1.65	2.78	5.16	46.74
Henderson	5.37	6.92	6.11	-------	15.39	2.79	-------	-------	-------	-------	-------	-------	-------
Hohenwald	5.38	4.61	7.95	7.20	6.69	2.62	2.41	11.62	3.56	2.24	3.52	6.67	64.47
Jackson	5.26	3.96	9.18	4.87	7.41	2.34	2.29	3.87	4.00	3.01	3.46	5.40	55.05
Jefferson City	5.69	4.99	5.43	3.37	4.61	3.35	2.17	2.67	1.17	1.15	1.39	4.95	40.94
Johnson City	5.21	3.64	5.62	2.79	-------	-------	-------	-------	-------	1.01	1.20	4.53	-------
Johnsonville	7.72	4.92	9.95	4.85	8.60	3.56	4.58	9.61	2.52	3.71	3.75	7.34	71.11
Kenton	6.44	3.19	7.31	4.27	6.75	4.75	2.32	5.70	3.78	2.09	4.31	6.31	57.22
Kingsport	7.35	4.62	5.72	2.67	4.77	3.16	5.65	4.83	1.14	1.40	1.76	5.60	48.67
Kingston	6.85	5.43	8.05	4.44	6.26	6.70	4.15	6.85	4.05	1.25	3.18	4.36	61.57
Knoxville	5.73	4.80	7.82	5.65	4.53	4.26	5.32	2.97	1.50	0.74	1.96	3.72	49.00
Lebanon (near)	5.93	3.83	8.37	7.15	5.55	3.68	1.64	9.38	1.37	1.95	-------	5.71	-------
Lewisburg	5.34	5.63	6.94	4.82	7.55	3.72	1.59	11.40	0.84	1.10	3.09	7.13	59.15
Liberty	6.60	5.47	8.53	5.71	6.35	4.53	3.45	9.32	1.85	1.17	3.47	5.54	61.99
Loretto	5.33	6.70	7.63	7.25	6.80	2.60	6.08	-------	-------	-------	-------	-------	-------
Loudon	5.67	4.41	7.67	5.04	4.86	3.03	4.34	6.78	1.82	0.95	4.04	5.63	54.24
Lynnville	6.29	5.48	7.08	5.93	7.56	3.71	4.36	5.81	1.17	1.35	3.84	7.03	59.61
McGhee	5.60	4.31	7.94	5.08	6.30	3.41	4.31	5.56	4.60	0.89	3.07	4.27	55.34
McMinnville	6.08	3.41	6.22	5.47	6.93	4.53	6.64	8.77	4.55	1.21	3.32	5.46	62.89
Madison	6.17	4.40	8.08	5.15	4.79	4.88	3.70	7.31	2.01	1.24	3.49	5.29	56.51
Memphis	5.05	4.61	7.03	6.55	6.16	5.04	3.65	5.06	5.47	2.74	3.08	5.35	59.79
Milan	6.52	4.86	9.37	4.35	8.02	3.49	7.14	7.89	3.49	2.80	3.22	6.55	67.70
Moscow	4.73	4.28	8.75	6.66	8.89	3.19	3.32	2.98	1.06	2.42	3.20	6.75	56.23
Nashville	5.89	4.36	7.69	4.26	4.31	4.42	2.13	9.60	1.44	1.23	2.87	4.32	52.52
Newport	5.99	4.99	6.62	4.57	5.19	2.65	3.08	5.27	2.40	1.46	1.22	3.79	47.23
New River	5.94	3.94	7.16	4.55	5.75	6.10	3.96	3.58	1.82	0.86	3.10	4.82	51.58
Palmetto	5.01	4.68	6.05	4.06	8.33	4.26	3.42	9.82	1.23	1.34	1.97	7.18	57.85
Paris	7.97	5.21	10.55	4.35	8.14	2.68	2.50	5.90	4.93	4.01	3.94	8.79	68.97
Perryville	4.80	4.92	9.04	4.64	5.82	1.86	1.77	4.46	2.92	4.03	2.03	5.44	51.73
Pinewood	5.37	4.12	8.75	5.91	8.44	3.76	0.98	8.19	3.05	2.37	3.35	3.66	57.95
Rockwood	6.14	4.46	7.20	5.11	5.70	3.81	3.70	5.15	2.55	0.74	4.65	5.03	54.24
Rogersville	6.91	4.34	6.71	3.27	3.33	4.84	3.99	1.75	2.03	1.11	1.84	4.84	44.96
Rugby	6.90	5.30	6.90	5.48	4.17	5.15	3.65	2.50	2.10	0.70	3.06	5.02	50.93
Savannah	5.12	4.65	7.35	5.77	7.24	4.71	3.38	7.16	3.01	4.50	3.15	6.24	62.28
Selmer	-------	-------	-------	-------	-------	-------	-------	-------	-------	5.51	2.93	6.24	-------
Sevierville	6.47	4.98	8.82	4.50	6.08	1.88	3.85	4.54	1.53	1.19	1.30	6.11	51.25
Sewanee	7.18	3.21	7.70	5.79	5.23	2.77	1.80	-------	1.80	1.56	4.30	6.02	-------
Springville	7.32	4.61	-------	3.99	-------	-------	-------	-------	-------	-------	-------	-------	-------
Tazewell	7.29	5.37	6.46	4.64	5.96	3.74	3.84	3.95	2.52	0.72	2.92	4.73	52.14
Tullahoma	5.99	5.10	6.77	6.30	9.03	4.46	7.60	5.24	3.50	1.25	4.72	7.28	67.24
Union City	-------	-------	-------	4.90	11.20	3.81	3.22	4.68	3.30	2.62	4.82	6.68	-------
Walling	5.76	5.04	7.03	5.65	7.96	6.11	5.83	8.50	2.20	1.09	3.13	7.42	65.72
Waynesboro	5.92	4.72	8.13	9.42	7.30	3.00	3.47	9.42	3.12	2.09	2.99	7.94	67.52
Worsham	6.88	5.00	7.97	4.90	4.84	3.94	2.64	10.02	1.03	1.67	4.02	6.07	58.98
Texas													
Abilene	3.10	2.67	2.33	5.73	0.88	3.81	0.22	1.28	1.10	7.64	2.09	1.92	32.77
Albany	3.04	2.15	2.23	4.90	1.19	3.74	0.20	1.79	1.26	12.27	1.93	2.46	37.16
Alice	0.17	5.41	2.63	1.04	0.22	1.33	2.14	5.08	3.31	9.13	2.05	4.96	37.47
Alvin	1.33	6.65	7.50	6.18	1.95	5.92	1.70	5.66	4.14	2.50	3.50	16.15	63.27
Amarillo	0.00	1.71	2.97	3.22	1.70	9.76	1.85	1.54	6.42	7.34	2.13	1.11	39.75
Anahuac	1.32	8.37	6.26	6.84	4.92	3.87	3.65	8.83	6.18	2.72	2.25	14.38	69.59
Anderson	4.30	6.40	3.52	5.34	6.31	4.90	1.50	3.25	4.76	2.58	6.40	9.23	58.59
Angleton	1.36	6.28	6.07	5.39	1.49	5.59	8.75	2.85	6.88	3.55	3.79	10.72	62.72
Arthur City	2.50	3.90	5.00	4.60	8.35	3.29	0.30	1.25	3.85	3.89	2.00	6.15	45.08
Aspermont	0.76	1.52	1.29	2.90	2.06	7.76	0.40	2.77	1.64	5.48	2.18	1.26	31.06
Austin	0.47	6.75	4.18	3.81	1.59	0.30	3.07	1.46	8.41	9.25	4.91	7.04	51.24
Austwell	1.07	5.28	3.48	3.00	0.96	1.50	1.15	2.06	9.29	3.72	3.04	10.78	45.32
Ballinger	2.70	3.75	2.35	7.47	2.10	0.25	1.35	1.75	1.65	7.90	3.05	1.72	36.04
Balmorhea	-------	-------	-------	-------	-------	-------	-------	-------	0.90	1.48	1.48	2.17	-------
Beaumont	3.53	9.02	4.30	9.42	29.58	5.22	3.14	8.68	8.39	2.04	3.97	16.99	95.28
Beeville	1.20	9.10	3.50	1.93	0.19	0.25	4.36	1.90	6.85	4.49	3.85	3.83	40.45
Big Spring	0.29	3.01	2.16	4.58	1.24	2.50	1.68	0.77	1.38	4.20	2.29	1.60	25.79
Big Wells	0.18	6.28	2.75	0.00	0.19	0.00	1.39	3.61	5.14	1.70	3.77	4.07	29.08
Blanco	0.25	3.49	2.94	4.05	3.55	1.07	2.59	1.50	4.34	3.68	4.65	4.71	37.42
Boerne	0.56	5.35	3.28	4.89	1.61	1.48	3.23	1.92	9.97	7.18	4.02	4.74	48.23
Bonham	4.65	3.85	1.90	2.62	3.26	4.57	1.39	1.09	1.90	4.09	1.33	7.37	38.02
Bon Wier	3.65	8.51	7.90	13.88	9.20	8.86	8.90	4.34	-------	-------	-------	11.35	-------
Booker	-------	-------	-------	-------	8.32	7.50	2.11	0.93	4.29	10.49	0.90	0.80	-------
Bowie	2.83	1.68	1.37	4.57	2.37	3.90	1.04	1.32	1.41	8.50	3.26	3.18	35.45
Brazoria	1.69	7.28	8.09	7.49	1.91	3.60	6.35	2.57	12.12	7.73	5.40	12.16	76.39
Brazos	2.78	2.03	0.72	5.44	1.42	4.26	2.27	1.07	0.80	6.06	2.81	4.43	34.09
Breckenridge	-------	-------	-------	-------	-------	3.09	0.84	1.16	2.21	5.38	3.21	3.19	-------
Brenham	1.85	6.92	4.76	4.76	4.69	1.18	1.78	6.73	4.18	5.16	6.56	3.34	57.36
Bridgeport	3.42	2.37	1.70	5.06	1.95	10.75	2.20	0.95	1.16	7.49	4.23	4.41	45.78
Brownfield	0.53	1.97	0.98	1.71	1.26	1.30	1.66	2.54	4.37	5.78	0.77	1.00	23.96
Brownsville	0.13	7.64	1.32	0.35	0.48	1.98	1.53	1.34	4.55	4.45	3.34	2.86	30.07

Monthly and annual precipitation (in inches and hundredths) for 1923—**Continued**

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Texas—Continued													
Brownwood	1.78	3.71	1.35	5.74	1.27	1.84	1.35	2.86	2.72	5.41	3.08	2.60	33.71
Buena Vista	0.92	2.56	0.52	0.64	0.34	1.13	0.82	1.41	3.30	0.31	0.88	1.03	13.86
Cameron	3.11	4.57	3.81	6.24	0.58	1.13	0.99	0.55	4.24	4.79	2.82	8.63	41.46
Canadian	0.00	0.35	1.98	2.91	4.09	9.23	0.32	0.98	8.06	9.58	0.81	0.77	39.08
Canyon				2.61	0.87	6.54	0.85	3.31	10.50	9.80	2.03	1.03	
Carrollton												5.16	
Center					3.38	5.60	1.12	3.25	8.56				
Childress						1.42	1.05	3.85	2.37	9.27		0.70	
Chillicothe	2.01	0.62	0.68	3.50	4.55	6.65	0.21	3.29	1.23	8.88	1.89	1.04	34.55
Clarendon	T.	0.95	3.18	2.27	1.26	4.30	2.22	2.99	9.04	8.17	0.99	0.50	35.87
Clarksville	7.79	2.86	3.18	3.99	5.97	2.86	0.97	3.57	3.50	3.50	2.31	8.86	49.36
Claude	0.00	0.88	2.38	1.39	0.57	8.08	3.41	3.39	12.68	8.26	1.36	0.40	42.80
Claytonville	1.19	2.67	1.84	5.38	2.26		0.00		1.21				
Cleburne	2.85	4.05	1.24	4.14	0.57	2.84	2.05	0.99	1.41	4.73	1.66	5.64	32.17
Clifton	1.69	5.38	2.24	5.74	0.52	2.72	0.75	0.61	2.72	5.49	1.81	7.39	37.06
Clint	0.33	1.34	0.42	0.00	0.00	0.09	1.07	2.41	1.22	0.57	0.37	0.77	8.59
Coleman	3.46	3.98	1.63	10.25	1.68	3.02	0.24	2.60	2.88	4.97	3.16	4.12	41.99
College Station	3.10	4.54	6.07	3.93	3.45	0.94	3.30	1.68	4.09	3.19	5.29	8.20	47.78
Colorado	0.75	3.35	1.79	3.78	3.64	3.13	0.13	1.70	2.15	5.32	1.60	1.05	28.39
Columbus	1.97	7.21	5.62	6.64	1.93	1.19	3.46	2.60	2.53	1.32	4.95	9.77	49.19
Conroe	3.82	5.64	4.46	6.54	3.47	4.59	3.09	3.61	7.97	6.40	5.07	11.10	65.76
Copperas Cove	1.38	3.75	1.83	6.66	0.71	1.44	2.96	0.79	2.49	6.92	2.08	4.92	35.93
Corpus Christi	0.40	2.61	2.28	0.61	0.09	0.53	1.06	2.64	6.35	4.50	2.15	5.17	28.39
Corsicana	2.35	4.58	2.84	5.30	1.62	3.78	0.79	1.35	5.03	2.67	2.24	8.88	41.43
Cotulla	0.50	8.18	4.38	0.60	0.30	1.59	0.57	1.15	4.41	2.10	2.79	3.05	29.62
Crosbyton	0.44	0.80	1.71	2.76	2.17	5.82	0.06	1.69	4.39	8.51	1.50	0.71	30.56
Crowell	1.55	0.85	1.08	3.97	1.82	8.39	0.00	5.32	1.95	9.91	2.31	1.11	38.26
Cuero	0.52	6.35	5.18	1.43	2.52	0.61	1.95	2.74	6.01	2.85	4.20	9.92	44.28
Dalhart	0.00	1.03	1.72	4.09	1.78	6.05	0.87	6.92	2.10	5.88	1.64	1.32	33.40
Dallas	4.04	1.99	1.62	6.39	1.35	8.99	0.62	0.97	3.14	5.34	2.05	6.53	43.03
Danevang	1.50	6.05	7.00	5.05	0.50	2.45	4.35	2.15	11.97	1.25	3.85	9.60	55.72
Del Rio	0.84	1.60	2.47	1.62	0.22	1.51	2.52	0.49	2.27	4.49	4.13	0.94	23.10
Denison (near)	2.92	4.44	2.06	3.26	2.20	3.86	0.20		1.68	11.40	2.40	6.90	
Denton	2.43	1.55	1.99	3.39	0.88	5.57	0.50		1.61	7.38	2.40	5.52	
Dialville	3.09	6.48	4.88	6.90	1.66	1.70	1.29	3.37	6.48	3.02	3.02	8.86	50.75
Dilley	0.30	6.84	2.92	1.07	0.23	0.76	1.75	2.22	5.83	3.40	3.67	3.28	32.27
Dimmitt	0.00	1.25	2.25	5.23	1.32	5.35	0.95	3.04	7.22	9.51	1.72	0.74	38.58
Dublin	1.95	3.73	1.31	5.18	0.62	4.57	1.45	0.61	4.25	5.32	2.06		
Dundee	2.18	0.82	0.19	2.75	1.32	2.45	0.15	1.92	2.86	8.45	2.34	1.69	27.12
Eagle Pass	0.45	4.82	2.89	1.37	0.03	2.65	2.46	1.82	4.47	1.39	2.74	1.65	26.74
Eastland	2.20	3.07	2.36	4.71	0.69	3.89	1.20	1.00	3.05	6.21	3.51	3.62	35.51
Eden				2.83	1.16	1.06	0.00	1.62	5.68	6.20	1.32	2.88	
Edna	1.38	6.00	5.61	3.46	2.33	3.76	1.46	2.53	5.54	2.07	3.56	12.10	49.80
El Paso	0.64	1.41	0.33	0.04	0.01	0.09	0.20	2.96	0.41	0.58	0.53	0.93	8.13
Encinal	0.70	7.87	3.61	0.87	0.02	0.82	2.03	1.11	8.35	1.52	3.36	3.77	34.03
E. V. Ranch		1.00	0.60	0.00		2.00							
Fairland	0.74	5.14	2.26	6.11	0.87	0.91	1.62	2.77	2.34	4.60	2.85	4.44	34.65
Falfurrias	0.10	5.27	1.33	0.41	0.00	1.32	2.67	1.26	3.37	4.16	0.82	4.50	25.21
Finley	10.19	5.45	4.73	5.16	4.77	3.20	1.10	0.50	10.20	4.40	2.50	8.65	60.85
Flatonia	1.45	4.37	3.28	2.91	1.90	0.94	2.15	6.72	4.06	2.71	4.58	7.66	42.73
Flint	5.14	5.84	4.05	6.44	1.68	3.05	0.28	1.30	4.38	3.84	2.18	7.73	45.86
Floresville	0.25	9.95	3.35	3.00	1.20	0.65	2.90	3.74	5.62	4.30	2.81	5.61	43.38
Fort Clark	0.49	2.79	5.65	1.62	0.92	0.73	2.70	2.00	4.68	5.16	2.16	1.96	30.86
Fort Davis	0.87	1.26	0.76	0.48	0.00	1.78	2.81	4.85	1.44	2.04	0.92	0.96	18.17
Fort McIntosh	0.35	5.50	2.30	0.30	0.45	1.47	0.40	T.	12.94	1.80	1.89	2.11	29.51
Fort McKavett (near)	1.50	5.49	1.02	4.06	1.07	1.27	0.95	4.85	5.08	5.19	4.11	2.46	37.05
Fort Stockton	1.00	3.00	0.67	3.15	0.50	1.65	2.42	T.	1.61	1.43	1.70	1.70	18.83
Fort Worth	4.60	2.05	1.52	5.30	0.54	6.74	0.99	1.68	2.06	6.05	1.63	4.68	37.84
Fowlerton	0.25	8.37	3.72	1.14	0.00	1.01	0.45	4.80	5.34	3.91	2.65	3.26	34.90
Freeport	3.12	5.92	6.38	4.60	0.35	4.55	2.91	4.48	9.18	3.59	6.02	8.87	59.97
Gainesville	3.11	2.88	2.06	6.08	2.19	3.03	0.30	2.04	1.80	8.73	3.60	5.27	41.09
Galveston	6.99	5.09	4.53	4.45	3.56	3.24	5.80	4.61	9.91	3.11	4.11	7.84	63.24
Garden City	0.64	3.85	1.75	3.08	0.59	0.40	1.19	0.57	0.82	3.33	1.39		
Gatesville	1.32	2.97	2.27	4.08	0.93	3.18	0.19	0.70	3.29	5.39	1.75	3.93	30.00
Georgetown	0.31	4.21	2.30	5.03	1.85	1.46	1.32	1.36	6.74	5.37	2.88	6.43	39.26
George West			4.21	0.69	0.27	0.50	3.17	3.38	2.51	5.25	4.37	9.76	
Goldthwaite				6.39	1.05	1.02	1.08	1.75	2.74	3.47	1.72	2.74	
Goliad	0.50	8.33	3.87	2.23	1.69	0.67	1.36	1.84	6.83	4.88	3.80	9.15	45.35
Gonzales	0.61	3.92	3.39	2.68	2.49	0.83	2.94	3.52	3.49	2.81	4.16	7.59	38.43
Goose Creek	2.24	6.41	6.13	9.30	3.96	4.64	2.58	7.10	8.88	2.05	4.09	15.00	72.38
Graham	3.95			4.50	0.65			1.69	1.80	8.58	3.04	2.77	
Grand Falls	1.00	2.33	0.00	1.33	0.13	0.72	0.41	0.58	1.98	1.90	1.44	1.04	12.86
Greenville	3.43	1.70	2.41	3.91	0.76	4.75	0.52	1.91	3.38	3.65	1.40	8.39	36.21
Groesbeck	1.74	4.09	3.70	5.41	0.46	0.18	0.14	2.13	2.27	5.24	2.44	8.45	36.25
Groveton							1.28	2.81	6.76	3.71	6.07	13.25	
Hallettsville	1.83	7.65		5.39	1.95	0.42	3.03	2.01	3.50	2.16	4.15	10.19	
Hamilton	1.50	4.12	1.70	6.10	0.42	1.89	3.48	0.97	7.10	5.77	3.60	2.97	39.62
Hamlin	0.96		1.33	7.13	1.54			3.24		8.75			
Harlingen	0.13	12.10	1.23	0.46	0.33	0.93	1.03	0.33	12.72	7.84	2.85	2.79	42.74
Hartsburg										2.08	3.96	11.11	
Haskell	1.66	1.46	0.76	3.21	1.13	5.44	1.77	1.99	0.91	9.27	2.02	1.37	30.99
Hebbronville	0.00	5.06	6.00	0.33	0.00	0.97	0.00	0.36	2.92	2.11	1.32	3.03	22.10
Hempstead	2.89	5.81	5.32	6.33	2.81	1.49	1.89	6.22	7.02	3.26	6.23	9.68	58.95
Henderson	4.48	6.23	4.59	6.71	2.00	5.85	0.80	0.28	5.17	4.02	2.73	8.25	51.11
Henrietta	1.35	1.50	0.35	3.60	1.05	3.45	0.35	2.30	1.05	7.50	1.60	1.65	25.75
Hewitt	0.98	4.67	1.94	4.88	0.66	1.45	0.28	0.31	2.66	3.81	2.15	8.44	32.23
Hico	1.55	2.88	1.21	4.60	0.50	2.77	1.26	0.79	2.84	2.97	2.14	3.07	26.58
Hillsboro	2.24	3.56	1.75	6.85	0.95	1.85	0.10	0.09	3.62	4.55	1.95	8.48	35.99
Hill's Ranch	0.56	5.87	3.16	5.66	1.27	0.18	1.20	0.77	3.98	7.16	4.33	6.00	40.14
Hondo	0.30	6.37	3.61	3.09	0.41	2.09	2.87	2.33	4.48	3.10	4.14	3.92	36.71
Honey Grove	4.49	4.06	3.15	3.79	4.42	2.99	0.94	4.51	3.87	4.78	2.17	6.79	45.96
Houston	1.31	4.03	5.37	9.66	3.89	6.79	0.82	3.82	6.25	2.88	3.64	14.38	62.84
Hovey			0.51	1.42	0.56	2.85	0.80	4.67	2.01	2.09	0.99		
Huntsville	2.50	7.04	4.20	5.95	6.65	2.95	0.70	2.83	7.45	1.70	5.60	10.65	58.22
Index	8.43	3.68	4.56	4.51	4.60	4.82	2.34	0.72	9.77	2.69	2.55	9.00	57.67
Jefferson	4.82	5.60	4.34	5.01	3.74	5.20	0.82	0.86	2.84	3.11	2.91	11.50	50.75

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Texas—Continued													
Junction	1.46	4.64	1.99	6.68	4.50	0.70	2.20	0.62	7.25	9.45	3.30	1.95	44.47
Karnes City	0.30	5.69	4.40	2.54	1.25	1.00	3.05	4.70	3.26	5.92	5.92	6.29	44.32
Kaufman	5.75	3.30	2.49	5.95	1.09	11.81	T.	0.73	8.37	2.70	2.67	10.06	54.92
Kerrville	0.42	4.19	1.97	4.10	1.04	1.11	2.29	1.45	6.50	4.02	4.74	3.29	35.12
Knickerbocker	2.60	3.35	1.10	2.10	0.00	0.00	1.15	1.50	2.35	5.47	2.45	1.12	23.19
Kopperl	1.40	4.00	1.06	6.90	0.60	2.90	0.90	0.50	2.80	5.74	2.30	6.51	35.61
Lagrange	1.27	5.14	6.05	4.03	2.68	1.59	2.02	6.47	5.78	2.81	5.94	8.42	52.20
Lamesa	0.32	2.80	1.53	3.29	1.65	3.87	0.74	2.30		6.00	2.83	1.41	
Lampasas	1.25	5.26	1.94	5.60	0.76	0.60	1.41	1.62	1.52	5.07	2.36	3.22	30.61
La Parra	0.37	4.07	2.50	0.20	0.20	2.65	0.50	2.26	7.47	8.73	3.27	3.18	35.40
La Pryor	0.43	4.46	3.06	2.05	1.16	2.24	1.94	2.30	6.79	2.45	1.87	2.83	31.58
Laredo	0.38	5.80	2.19	0.38	0.38	1.16	0.43	0.90	8.65	2.13	2.49	3.12	28.01
Liberty	2.59	5.71	5.74	9.06	7.33	5.77	3.66	5.13	4.42	4.41	3.71	14.03	71.56
Lieb (near)	0.00	0.70	2.70	1.82	3.58		1.18	0.80	4.60			1.41	
Little River												7.50	
Llano	1.15	4.20	2.38	5.43	1.34	0.51	1.76	1.71	4.59	5.52	3.20	2.82	34.61
Long Lake	3.21	4.70	4.54	5.17	1.78	2.02	0.44	0.88	7.02	3.87	3.64	8.60	45.87
Longview	3.19	5.71	2.06	4.14	1.63	2.34	0.81	T.	1.07	2.76	2.03	7.78	33.52
Lubbock	0.24	0.86	1.04	3.18	2.77	3.98	1.65	1.59	2.67	6.80	0.85	0.64	26.27
Lufkin			3.95				1.15		6.78			8.10	
Luling	1.25	6.06	3.95	4.19	2.22	0.60	2.79	3.59	5.54	2.86	5.94	6.45	45.44
McGregor	1.01	3.95	1.88	4.71	1.43	1.08	0.80	0.91	2.05	6.64	2.05	7.87	34.38
McKinney	3.53	2.38	2.94	3.77	1.96	7.47	0.36	1.65	4.95	3.65	1.26	6.30	40.22
Madisonville	3.61	8.32	5.28	6.51	3.35	2.48	1.90	5.47	5.83	1.72	4.38	9.10	57.95
Marble Falls	0.35	3.89	2.49	6.09	2.26	1.63	1.61	2.05	2.52	6.02	3.58	4.46	36.95
Marshall	4.69	7.39	2.88	6.95	1.51	2.64	1.10	0.87	4.43	2.56	2.77	8.70	46.49
Matagorda	1.32	6.53	11.21	2.76	1.55	3.43	5.12	1.05	2.24	4.92	5.78	9.03	54.94
Mathis	1.08	10.11	3.00	1.17	0.20	3.02	2.05	4.25		6.02	5.28	6.25	
Memphis	0.05	0.70	1.42	1.62	0.90	5.23	2.21	4.73	4.51	6.94	1.04	0.49	29.84
Mercedes	0.00	7.28	1.21	0.36	0.30	1.46	1.01	0.09	3.56	5.29	1.52	3.06	25.14
Mexia	1.58	4.48	2.94	6.22	0.33	0.59	0.27	0.39	3.54	3.89	2.20	10.07	36.50
Miami	0.00	1.05		2.45	3.14	8.30					0.95	1.15	
Midland	0.39	4.19	2.33	0.97	0.15	0.72	1.95	1.23	0.82	3.04	0.69	1.19	17.67
Mission	0.04	5.83	1.70	0.35	0.10	1.96	0.47	0.00	2.80	5.66	0.97	3.01	22.89
Montell	0.44	3.27	2.68	2.33	0.48	3.93	1.36	1.82	7.40	5.12	2.58	1.82	33.23
Morris Ranch	1.67	4.73	2.57	5.12	2.05	1.53	0.47	1.96	4.94	5.73	3.63	3.45	37.85
Mount Pleasant	11.30	4.02	2.92	5.10	1.45	2.20	0.09	0.69	5.05	3.82	2.62	6.02	45.28
Muleshoe	0.09	1.57	1.51	1.83	0.77	10.05	1.70	1.12	2.32	6.27	1.33	0.53	29.09
Munday	3.21	1.18	0.30	3.96	1.64	5.64	T.	2.25	1.23	8.28	1.44	1.36	30.49
Nagogdoches	3.75	6.20	6.22	9.90	4.92	4.20	1.42	1.84	8.80	2.71	5.07	9.38	64.41
Navasota	4.05	6.26	3.89	4.14	4.65	2.38	0.16	5.76	5.27	2.64	4.96	9.50	53.66
New Braunfels	1.16	4.44	2.48	3.77	3.32	2.25	2.15	1.58	3.77	5.57	3.06	5.94	39.49
Nixon	1.14	4.76	3.40	1.68	2.56	1.51	3.80	4.23	6.99	3.59	4.44	6.21	44.31
Nolan	1.45	4.45	1.95	5.30	1.45	2.99	0.21	0.95	1.24	7.31	2.18	1.32	30.80
Orange	5.76	11.67	6.24	8.30	5.85	4.46	4.27	2.99	7.83	2.32	4.03	12.11	75.83
O 2 Ranch	1.15	2.10	0.70	0.90	T.	1.50	0.40	2.40	0.30	5.20	0.40	1.43	16.48
Paducah	0.10	0.86	2.37	3.55	3.15	4.75	2.23	2.33	1.82	6.54	1.34	0.99	30.03
Paint Rock	2.20	4.49	1.70	3.17	1.10	0.73	1.24	2.47	2.11	5.26	2.78	2.82	30.07
Palestine	3.12	3.71	4.12	4.75	2.12	1.41	1.04	1.83	6.22	3.66	2.52	8.48	42.98
Panhandle	0.00	1.85	2.40	2.15	3.05	8.60	4.25	2.60	7.00	7.65	0.95	2.06	42.56
Paris	4.58	3.55	3.74	3.02	5.58	3.11	0.87	4.79	8.97	4.01	2.61	6.49	51.32
Pearsall	0.15	5.09	4.31	1.90	0.19	1.62	1.89	2.20	5.33	5.56	3.64	3.52	34.80
Perryton									5.00	10.45	1.12	0.60	
Pierce	1.01	6.23	5.78	6.27	2.11	1.11	4.80	5.07	6.59	1.97	4.01	9.54	54.49
Plainview	0.21	0.91	2.41	2.60	1.26	5.42	1.85	2.80	3.14	6.84	1.33	0.88	29.65
Port Arthur	3.20	6.21	5.97	4.42	6.86	2.81	4.90	9.71	6.60	1.72	3.52	9.59	65.51
Post	T.	2.16	1.10	3.15	2.92	4.57	0.03	1.41	5.30	7.15	1.16	0.82	29.77
Putnam	2.10	2.97	2.53	5.37	1.64	3.68	0.50	0.99	3.38	5.37	1.51	2.81	32.85
Quanah	0.90	0.70	1.61	4.16	3.00	7.42	0.85	4.55	0.85	10.27	0.90	0.60	35.71
Raymondville	0.19	5.39	2.24	0.15	0.14	3.03	1.18	0.26	1.84	4.04	1.57	3.70	23.73
Ricardo	T.	4.47	1.71	1.11	0.30	0.41	1.44	2.19	7.65	5.53	2.35	3.17	30.33
Ringo Crossing	6.86	3.73	3.12	4.82	3.30	2.20	0.48	1.08	4.22	1.94	1.92	9.60	43.27
Riogrande	0.00	6.39	0.69	0.00	0.00	0.90	0.00	0.00	4.20	0.75	1.20	0.90	15.03
Riomedina	0.00	5.84	2.91	2.46	0.35	0.23	3.60	2.16	4.38		3.19	3.85	
Riverside	4.71	6.71	4.13	6.76	7.21	1.76	2.80	3.31	6.85	3.58	6.12	11.47	65.41
Robstown	1.30	7.48	3.03										
Rochelle			6.36	4.71	1.83	2.08	0.82	1.41	6.59	4.12	2.67	1.85	
Rockland	3.60	8.85	6.83	10.33	5.61	2.65	1.80	2.58	4.70	3.80	4.65	7.95	63.35
Romero	0.00	1.05	0.98	3.57	1.48	6.63	0.30	3.45	3.10	8.66	2.23	2.81	34.26
Rosebud						0.00	0.00						
Rosenberg	1.73	5.06	5.49	10.38	1.70	2.48	1.60	2.17	3.53	2.96	4.15	8.90	50.14
Rossville	0.61	5.95	3.36	3.77	0.93	0.91	1.55	2.21	5.50	2.46	3.98	5.87	37.10
Runge	1.39	0.94	4.38	3.47	0.77	0.83	4.21	3.34	4.22	3.40	4.41	7.74	45.10
Sabinal	0.28	5.33	2.36	3.88	0.10	2.29	3.50	0.68	3.53	4.29	2.71	2.77	31.72
San Angelo	2.64	3.97	1.41	2.44	1.61	0.55	1.08	2.04	1.67	2.78	2.99	0.81	23.99
San Antonio	0.46	5.47	3.07	3.24	1.33	0.79	2.54	2.94	2.98	1.39	4.21	4.29	32.71
San Benito	0.08	9.48	1.29	0.39	1.10	2.51	4.71	T.	6.90	7.47	2.09	2.16	38.18
San Marcos	2.09	6.99	2.13	4.16	1.55	0.73	1.08	4.30	4.25	5.61	3.90	6.38	43.17
Santa Gertrudis	0.49	5.05	2.18		0.00		2.12	2.31	3.17	7.08	3.39	6.26	
Sealy	2.00	5.07	7.13	8.39	3.81	1.78	3.78	4.30	6.48	3.17	4.03	11.88	61.82
Seguin	0.75	5.67	2.37	2.45	2.50	0.83	0.39	3.99	5.93	5.13	2.91	5.64	38.56
Seminole	0.43	3.12	0.66	4.31	0.30	1.56	0.69	1.64	2.17	7.06	1.33	1.03	24.30
Seymour		3.30	0.20	2.50	1.15	2.55	0.00	3.17	0.96	8.60	3.08	0.85	
Sherman	3.91	2.46	0.87	3.43	2.72	3.00	3.68	1.26	2.73	9.58	3.61	7.88	44.23
Sinton	0.59	3.84	2.67	1.46		1.60			4.96	4.77	3.09		
Smithville	1.78	5.31	5.15	3.99	1.86	0.73	1.95	1.90	5.91	5.73	5.36	7.27	46.94
Snyder	0.40	2.25	2.05	4.28	0.75	2.40	0.93	2.10	2.00	6.88	3.15	1.36	28.55
Somerville	4.60	5.35	4.30	3.60	2.35	2.70	0.35	1.80	10.55	2.20	5.30	5.88	48.98
Spearman	0.00	0.96	2.58	2.60	4.31	6.32	0.60	0.83	3.60	8.07	0.65	1.00	31.52
Spur	0.05	0.85	1.01	3.89	1.14	5.19	0.26	1.40	1.57	6.58	2.36	0.87	25.17
Stephenville	1.81	3.45	1.21	3.62	0.51	2.88	1.35				2.16	2.27	
Study Butte			0.77	1.87	T.	1.35	2.35	2.43	1.71	1.50	1.53	1.64	
Substation No. 14	1.55	3.98	3.01	4.09	0.29	0.56	3.38	0.46	2.82	5.69	4.04	2.81	32.18
Sugarland	1.21	3.63	6.49	9.06	1.03	3.47	1.47	5.49	6.18	3.98	3.58	11.24	56.83
Sulphur Springs	6.46	4.46	3.94	6.61	1.90	3.52	1.13	1.76	5.35	0.78	2.58	8.38	47.07
Taylor	0.37	4.08	3.23	4.91	1.51	1.81	1.22	1.38	5.19	3.26	3.25	5.54	35.75

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Texas—Continued													
Temple	0.62	4.59	2.37	7.31	1.57	3.36	1.76	0.50	4.13	5.29	2.22	8.63	42.35
Three Rivers	0.30	10.00	5.00	0.23	0.10	1.00	2.40	3.90	4.06	4.17	4.63	6.96	42.75
Trinidad	4.43	5.01	2.79	5.49	0.65	2.46	0.00	1.16	2.76	1.54	2.20	9.14	37.63
Troup	4.25	6.10	3.59	7.28	1.50	3.78	1.63	2.46	4.52	4.29	2.26	7.52	49.18
Tulia	0.01	0.79	2.21	1.64	1.09	2.40	2.49	2.09	6.13	8.72	1.31	0.65	29.53
Uvalde	0.40	3.88	3.07	4.03	1.03	3.42	0.67	0.49	3.94	4.00	2.34	2.57	29.84
Valley Junction	2.20	5.10	5.57	7.35	1.35	0.35	0.15	0.60	4.95	5.05	3.35	8.10	44.12
Vega			3.56	3.28	1.22	7.38	3.54	3.52	4.90	9.48	2.95	1.84	
Victoria	1.70	5.75	3.85	2.29	1.68	1.97	3.10	1.74	7.59	2.52	3.81	8.67	44.67
Waco	0.37	5.81	2.53	5.05	0.38	2.46	0.49	0.89	3.26	3.83	2.59	8.63	36.29
Waxahachie	2.95	3.70	1.40	4.96	2.45	3.75	0.60	0.20	4.19	3.16	2.24	7.81	37.41
Weatherford	2.47	2.13	1.56	4.50	0.76	5.33	2.39	1.58	1.13	5.66	2.50	3.09	33.10
Whitsett	0.29	5.85	3.66	1.01	0.46	1.43	2.75	4.23	4.27	3.49	1.56	6.18	35.18
Wichita Falls												2.43	
Willis	6.30	4.40	6.00	10.20	12.80	5.10		3.75	12.20	8.00	9.00		
Wills Point	3.61												
Winfield (near)	10.93	4.22	6.09	8.57	1.18	2.20	0.74	1.20	6.25	3.55	2.77	9.78	57.48
Winters	1.07		1.50	7.62	2.18	0.70		0.82	5.48	4.27	2.89	1.24	
Woodsboro	1.01	4.44	2.00	3.67		0.50							
Yoakum	1.18	5.91	5.84	2.71	2.10	2.48	3.32	2.14	4.83	2.33	4.24	11.13	48.21
Utah													
Alpine	0.63	0.66	0.81	2.69	1.60	1.63	0.01	1.04	1.51	1.20	1.16	0.54	13.48
Alton	1.39	1.03	0.38	2.58	0.29	0.16	1.82	1.58	0.48	0.45	0.50	0.79	11.45
Alunite	1.04	0.47	0.82	0.42	1.02	0.13	1.85	0.61	0.57	0.42	0.54	0.67	8.56
Beaver	1.20	1.00	0.61	0.95	0.97	0.25	0.97	1.43	0.74	0.79	0.11	0.36	9.38
Benmore	1.06	1.80	1.71	1.94	1.57	0.43	1.50	0.68	0.55	1.22	0.05	0.93	13.44
Big Plains	1.80		1.16	1.48	0.66	0.50	1.48	0.95	0.48	0.37	0.64	1.06	
Black Rock	0.92	1.39	0.47	2.30	1.16	0.00	0.40	0.30	0.18	0.99	0.12	0.52	8.75
Blanding	0.88	0.79	1.20	0.73	0.70	0.08	2.11	3.25	0.68	0.85	1.93	2.11	15.31
Bluff					0.07			0.10			0.95	0.41	
Brigham City	1.92	0.05	1.24	3.06	1.82	1.91	0.35	0.75	1.51	3.45	1.53	1.02	18.61
Bryce Canyon					0.30	0.15	0.58	3.63	1.08	0.25			
Cannonville	0.79	0.53	0.38	1.47	0.30	0.03	1.18	2.08	0.80		1.00	0.50	
Castle Dale	0.40	0.77	T.	1.00	0.37	0.00	1.95	2.00	0.23	0.66	0.62	0.54	8.54
Castle Rock	1.92	0.22	0.98	2.64	1.50	0.45	2.70	0.56	1.58	1.76	0.17		
Cedar City	0.70	1.40	1.20	2.26	0.71	0.42	1.34	1.50	1.73	0.98	0.46	0.93	13.63
Clarkston	2.85	0.30	1.10	1.15	1.55	2.20	1.65	0.75	1.05	3.15	1.20	0.40	17.35
Corinne	1.65	0.16	0.57	1.92	1.80	1.40	0.10	0.47	0.98	2.45	1.35	0.39	13.24
Cottonwood Weir	2.05	0.84	2.53	4.54	2.15	2.04	1.50	1.46	1.95	2.56	0.48	1.43	23.53
Coyoto			0.41	1.64	0.35	T.	1.64	1.36	0.47	0.49			
Delle	1.13		0.03	1.41	1.08	0.29	0.20			1.86	0.30	0.59	
Deseret	0.78	0.95	1.19	1.63	1.67	0.00	0.31	0.67	0.07	0.98	0.00	1.15	9.40
Dry Gulch Ranger Station	1.20					0.12	0.73		1.38				
Duchesne	0.45	0.56	0.83	1.49	0.55	0.21	1.09	1.31	0.74	1.00	0.60	0.44	9.27
East Portal					1.27	0.77	2.28	1.74	1.02	1.42			
Elberta	1.43	0.91	0.95	1.54	1.35	0.69	0.54	0.37	0.29	0.94	0.02	0.07	10.00
Elkhorn-Ashley	3.30		1.00	1.92	1.30	0.03	0.39		2.58	1.49	0.50	1.11	
Emery	0.25	0.70	T.	0.30	0.60	0.00	1.36	1.26	0.60	0.55	0.52	0.30	6.44
Enterprise	2.30	0.75											
Erekson	0.91	0.37	0.58										
Escalante	1.05	0.50	0.20	0.70	0.20	0.00	2.50	4.50	1.10		1.40	0.33	
Farmington	2.96	0.32	1.29	4.59	1.88	1.62	0.14	1.67	1.94	2.55	2.27	1.22	22.45
Fillmore	0.86	1.12	2.01	2.50	1.47	0.12	2.28	0.34	0.62	2.09	0.25	1.78	15.44
Fishlake Ranger Station						0.00	2.41	2.30	1.20				
Fort Duchesne	0.55	0.39	1.15	1.64	0.37	T.	T.	1.28	0.96	0.77	1.16	0.37	8.64
Fruitland	1.30	0.64	0.50	1.08	0.89	0.18	1.36	1.72	1.22	1.39	0.66	0.35	11.29
Garland	1.90	0.22			2.13		0.83	0.34	1.39	3.45			
Gooseberry Ranger Station		0.87				T.	2.27	1.11	0.91				
Government Creek	1.20	0.66	1.42	2.11	1.96	0.70	0.88	1.15	0.47	2.97	0.07	0.67	14.26
Grantsville	1.84	0.39	0.76	1.76	1.87	0.42	0.37	0.84	0.82	2.32	0.22	1.23	12.84
Great Basin Experiment Station						0.41	3.20	1.13	0.65	2.02	1.19		
Great Basin Experiment Station, Alpine						0.20	2.01	1.74	0.97	1.48			
Great Basin Experiment Station, Oak Brush						0.36	2.23	1.06	1.87	1.63			
Green River	0.47	0.13	T.	0.82	0.27	T.	0.73	1.58	0.36	0.38	1.16	0.10	6.00
Hanksville	0.06	0.06	0.01	0.22	0.41	0.00	0.31	2.05	0.28	0.08	1.08	0.90	5.46
Hanna	2.13	0.70	0.10										
Hatch	1.58	0.43	0.46	0.80	0.48	T.	2.84	3.38	0.56	0.60	0.26	0.74	12.13
Heber	1.65	0.67	1.12	2.58	1.37	1.20	0.49	1.69	0.86	2.19	0.59	0.64	15.05
Hiawatha	0.69	1.45	0.84	1.92	0.98	T.	2.55	2.51	0.67	1.02	0.38	0.40	13.41
High Line City Creek	2.91	0.90	3.58	6.04	2.57	2.22	0.23	2.17	2.33	3.02	2.47	1.40	29.84
Hole-in-the-Rock	0.47	0.27	1.11	2.62	3.10	0.09	2.22	1.77	1.89	2.97	0.55	0.27	17.33
Huntsville	4.47	0.68	2.33	3.89	1.97	1.28	0.59	1.43	1.48	2.55	1.89	1.55	24.11
Hurricane	1.74	0.32	0.35	1.58	0.09	0.50							
Ibapah	1.03	0.50	0.67	1.86	2.12	0.74	0.84	0.83	1.83	2.21	0.50	1.40	14.53
Joseph	0.47	0.72	0.73	0.82	0.63		0.53	0.63	0.37	0.17			
Jozella Ranch	0.98	0.80	0.10	1.36	0.05	T.	0.75	0.46	1.40	0.29	0.90		
Kanab	1.18	0.62	1.30	1.37	0.32	0.08	3.06	1.25	1.54	0.21	0.47	0.95	12.35
Kanosh	0.85	1.31	1.74	2.45	1.48	0.04	1.11	0.47	1.23	2.05	0.40	1.62	14.75
Kelton		T.	0.27	0.06	T.	0.05	0.04	0.64	0.80	0.25	0.04	0.04	
Koosharem		0.45	0.33						0.39	0.58	0.18	0.72	
Koosharem Ranger Station						0.00	1.68	2.88	0.55				
Laketown	1.24	0.05	0.52	2.70	2.00	1.21	0.73	0.90	2.05	2.88	0.03	1.14	15.45
La Sal	0.45	0.07	0.15	0.70	0.80	0.07	1.16	1.96			1.80	0.70	
Leeds (near)	1.00	0.62	0.23	1.93	T.	0.26	1.43	0.53	T.	0.16	0.62	T.	6.78
Lemay	T.	0.15	T.	0.32	0.29		0.08	T.	0.05	0.27	T.	0.13	
Levan	0.84	1.18	1.16	2.55	1.62	0.51	2.25	0.93	1.79	1.42	0.25	0.81	15.31
Loa	1.31	1.55	0.41	0.80	0.54	0.20	1.99	1.82	0.46	0.10	0.15	0.28	9.61
Lockerby	1.43	0.66	0.54	0.96	1.29	T.	1.90	3.03	2.50	0.37	2.50	3.62	18.80
Logan	2.71	0.48	0.96	3.10	1.53	1.81	0.58	0.64	1.30	2.14	0.87	0.79	16.91
Lone Tree	0.36	0.75	0.67	2.41	0.47	0.15							
Lower American Fork	1.06	0.45	1.07	2.22	1.79	0.52	0.14	1.10	1.95	1.21	0.80	0.57	12.88
Lower Mill Creek	2.65	0.77	2.62	4.55	3.01	2.48	0.75	0.78	3.27	3.03	1.02	1.82	26.75

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Utah—Continued													
Lowder Ranger Station							0.20	2.83	2.25				
Lucin	0.70	T.	T.	0.76	2.75	0.70	0.50	0.60	0.90	1.65	0.00	0.17	8.73
Lund	1.40	1.20	0.18							0.35	0.50	0.20	
McCornick	0.55	0.53	0.61	1.68	2.13	0.00	0.30	0.68	0.24	1.60	0.15	1.75	10.22
Mammoth Ranger Station							3.80	1.06	1.95				
Manila	0.48	0.38	0.48	1.47	1.80	0.00	1.09	0.91	1.65	1.89	0.44	0.62	11.21
Manti	0.48	0.79	1.16	1.60	1.05	0.27	2.25	0.62	0.78	0.78	0.48	0.72	10.98
Maplewood	0.93	1.16	1.85	3.97	1.25	0.65	1.09	1.15	1.05	3.60	0.78	1.70	19.18
Midlake	0.10	0.01	0.04	2.55	0.40	0.85	T.	0.65	0.00	T.	0.00	T.	4.60
Midvale	1.23	0.70	1.45	3.08	1.65	0.75	0.08	1.55	1.06	2.15	0.50	1.32	15.52
Milford						0.56	1.06	1.06	0.24	0.76	0.14	0.27	
Millville	3.01	1.12	1.40	2.69	1.25	2.30	1.10	0.80	1.70	3.30	1.40	1.52	21.59
Moab	0.17	0.15	1.30	1.00	0.45	T.	0.79	0.37	1.07	0.61	1.15	0.80	7.86
Modena	1.40	0.95	0.90	1.22	0.32	0.24	0.81	2.13	0.46	0.10	1.02	0.41	9.96
Monticello	1.20	1.22	0.93	0.67	0.92	0.22	1.42	2.90	2.36	0.80			
Morgan	5.86	0.50	2.80	3.62	1.72	1.28	0.15	1.10	1.34	1.88	0.80	1.80	22.85
Moroni	0.40	1.16	0.95	1.12	0.97	0.33	1.10	0.62	0.25	0.86	0.28	0.40	8.44
Mosida	1.34	0.72	0.79	1.19	0.94	0.43	0.72	0.81	0.55	1.11	0.29	0.49	9.38
Mountain Dell	2.28	0.50	1.65	3.68	2.72	1.08	1.01	1.71	1.39	2.43	1.08	1.40	20.93
Mountain Ranch Ranger Station						0.02	2.06	1.31	0.28	1.07			
Mount Emmons		0.01	0.29	1.40	0.04	0.03	0.59	1.22	1.40	0.82	0.37	0.36	
Myton	0.15	0.83	0.55	1.27	0.73	0.14	1.84	0.78	0.86	0.96	0.43	0.38	8.92
Nada	1.40	1.02	0.85	0.95	0.62	0.06	0.36	1.91	0.27	0.56	0.24	0.34	8.58
Nephi (near)	1.69	0.82	0.75	1.32	1.33	0.66	1.96	0.60	0.61	0.94	0.15	0.53	11.36
Newcastle											1.00		
New Harmony	4.60	0.90				0.00		0.22	T.			1.00	
Oak City	0.86	0.94	1.51	2.03	2.20	0.55	0.73	0.13	0.74	2.91	0.17	0.99	14.56
Ogden	2.67	0.40	2.12	3.70	1.84	1.54	1.64	1.59	2.13	2.14	2.58	1.00	22.75
Orderville	1.66	0.68	0.86	1.47	0.01	0.14	2.09	2.04	0.37	0.52	0.62	1.26	11.72
Orr's Ranch[1]	0.53	0.23	0.19	1.25	1.78	0.53	0.22	0.61	0.96	2.11	0.19	0.26	8.86
Panguitch	0.65	0.33	0.30		0.00	0.00	2.00	1.10	0.02	T.		1.05	
Park City	6.29	2.05	3.93	4.32	1.17	0.94	2.83	1.10	1.17	1.91	0.57	1.00	27.28
Park Valley	0.97	0.27	0.43	1.47	0.95		0.68	2.56	0.61	3.28	0.57	0.29	
Parowan	1.20	0.79	0.86	2.72	0.64	0.08	1.02	1.75	1.12	1.30	0.11	1.23	12.82
Payson	1.90	1.47	1.92	3.72	1.24	1.07	1.07	2.18	0.62	2.15	0.70	1.92	19.96
Pine View	3.30		0.93	2.70	1.60	0.10	0.90						
Pinto	2.27	2.92	2.36	2.62	0.82		1.51	0.96	0.67				
Piute Dam	0.33	0.50	0.27	1.17	0.58	T.	1.77	0.48	0.29	0.50	T.	0.38	6.27
Price	1.01	0.77	0.05	1.69	0.77	0.02			0.15	0.76	0.70	0.57	
Provo	1.43	0.85	0.94	2.73	1.14	0.83	0.69	1.02	1.44	1.83	0.68	0.97	14.55
Provo Bench	1.41	0.71	0.57	2.83	1.41	0.81	0.79	1.19	1.53	1.82	1.08	1.39	15.54
Randolph	0.99	0.20	0.63	1.50	0.75	0.88	1.70	0.62	2.51	2.69	0.30	0.65	13.42
Richfield	0.23	0.38			0.67			0.30		0.87	0.00	0.65	
Richmond	1.88	0.76	2.03	4.09	2.14	1.20	1.37	0.75	2.46	2.23	1.23	1.36	21.50
Riverdale	2.25	0.18	0.35	3.19	1.72	1.78	0.27	0.56	2.05	2.24	2.02	0.81	17.42
St. George	0.70	0.41	0.90	0.70	0.00	0.16	0.31	0.77	0.46	0.10	1.06	0.49	6.12
St. John	0.61	0.26	0.20	1.46	0.34	0.74	T.	0.12	0.48	1.49	0.12	0.21	6.03
Salduro	0.61	0.07	0.03	0.58	1.57	0.85	0.06	0.03	0.52	1.42	0.01	0.04	5.79
Salina										0.91	0.33	0.63	
Saltair	0.80	T.							1.35	2.82		1.02	
Salt Creek	1.19	0.44	4.85	0.65	1.86	1.28	2.60	1.00	0.85	1.34	0.84	0.60	17.50
Salt Lake City	1.90	0.35	1.67	3.56	1.91	1.39	0.21	2.41	1.41	2.18	1.05	0.92	18.96
Santaquin	2.20	0.71	1.93	2.61	1.13	0.73		1.97	1.03	2.23	0.28	2.17	
Scipio	0.75	0.63	0.87	1.64	1.70	0.26	0.90	1.53	0.32	0.74	0.17	0.74	10.25
Sevier Bridge Dam	0.55	0.44	0.95	1.49	1.15	0.13	1.32	1.63	0.20	0.91	T.	0.22	8.99
Silver Lake	5.60	2.55	5.25	5.73	2.43	1.35	1.95	1.46	1.96	3.44	1.94	5.06	38.72
Snake Creek	3.81	1.52	2.85	4.11	1.35	1.30	2.07	1.13	1.23	1.53	0.69	1.24	22.83
Snowville	1.09	0.14	1.60	3.16									
Soldier Summit		0.75					1.83	1.34	0.40	0.49	0.55	1.32	
South Fork Ranger Station					2.50	2.80		1.40	2.50	2.70			
Spanish Fork	2.48	1.08	1.92	4.60	1.63	0.58	2.02	1.22	0.86	2.24	0.49	2.05	21.17
Springdale	2.04	0.72	1.16	1.55	0.10	0.30	1.81	1.58	1.39				
Sunnyside	0.63	0.67	0.30	2.17	0.70	T.	2.51	1.52	1.16	1.53	0.29	0.50	11.98
Thistle	2.93	0.41	1.64	3.45	0.95	0.48	1.87	1.92	0.88	2.26	0.90	0.61	18.30
Thompsons	0.55	0.16	0.35	0.80	0.92	0.00	1.70	1.90	1.10	0.58	1.20	0.56	9.82
Tooele	1.79	1.05	1.49	3.59	2.33	0.71	0.52	0.47	1.97	3.50	0.48	2.26	20.16
Tremonton	1.60	0.12	0.94	2.62	2.59	0.83	0.35		1.56	3.15	1.34	0.30	
Trout Creek Ranger Station							2.79	1.48	2.04	2.81	1.50		
University of Utah	1.60	0.40	1.57	3.57	2.22	1.43	0.22	2.05	1.53	2.07	1.19	0.89	18.74
Utah Lake (Lehi)	0.42	1.02	0.53	2.59	1.00	0.25	0.21	1.36	1.10	0.95	0.42	0.89	10.74
Vernal	0.05	0.76	0.50	2.00			0.07	0.70	1.16	0.84	0.50		
Watson (near)	0.51	0.64	3.46	1.08	0.31	0.00	1.96	1.67	2.10	0.83	1.19	0.50	14.25
Wendover	0.28	0.05	0.00	0.81	1.11	1.39	0.28	0.53	0.59	1.51	0.06	T.	6.61
Widtsoe	1.08	0.13	0.37	2.02	0.39	0.07	0.89	2.60	1.31	0.71	0.29	0.79	10.65
Winter Quarters	1.12	1.02	1.26	1.94	1.41	0.42	2.93	0.94	0.62	1.32	0.38	0.76	14.12
Woodland	1.93	1.53	4.19	2.98	1.43	0.59	2.08	2.06	2.07	1.28	0.40	2.05	22.89
Woodruff								0.49	1.93	2.50	0.20	0.33	
Vermont													
Bellows Falls			2.13	3.93	2.50				3.07	4.29		3.97	
Bennington		1.35	1.03	2.82	2.16	3.77	5.68	2.70	4.16	3.79	4.99	3.00	
Bloomfield	2.96	0.85	2.00	5.42	1.84	3.80	4.77	3.59	3.41	4.29	5.29	2.93	41.15
Burlington	2.42	0.48	1.79	3.13	2.38	3.76	2.26	2.29	3.74	2.45	3.20	1.35	29.25
Cavendish	5.58	1.66	3.35	3.96	2.62	1.97	4.88	1.45	3.22	4.54	4.30	4.67	42.20
Chelsea	4.49	1.22	2.48	4.93	2.14	1.40	2.61	2.84	2.50	3.91	3.72	2.99	36.23
Cornwall	2.84	0.98	1.10	2.35	1.77	2.22	2.48	1.09	2.47	3.67	3.20	1.48	25.65
Enosburg Falls	2.51	0.88	2.04	3.99	3.18	5.22	1.96	1.86	5.07	4.00	3.38	1.76	35.85
Garfield	3.19	1.64	2.36	5.14	3.01	4.36	1.91	3.88	4.35	4.41	3.20	3.06	40.51
Northfield	3.41	0.47	1.84	3.60	1.75	2.94	2.43	1.07	2.37	3.75	3.93	2.25	29.81
Norwich		1.50			2.17	1.22			3.26				
Rutland	4.66	1.01	2.21	3.54	2.74	1.98	4.17	1.51	3.10	4.63	3.14	2.85	35.54
St. Johnsbury	3.13	0.95	1.83	4.76	1.70	2.08	2.44	2.38	2.87	3.43	3.52	2.62	31.71
Somerset	7.58	2.67	3.34	3.68	3.55	4.42	4.45	4.39	3.95	5.60	4.78	5.14	53.55
Vernon	5.44	1.86	2.01	3.10	2.45	2.39	4.95	2.33	3.43	5.53	4.36	5.43	43.28
White River Junction	4.11	1.08	2.13	5.02	2.15	1.03	3.57	1.17	2.71	4.37	3.83	3.84	34.51
Woodstock	4.26	1.85	2.90	4.68	2.93	1.72	3.55	1.22	3.09	4.05	4.76	3.25	38.26

[1] Name changed from Sells.

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Virginia													
Arcola	2.47	0.78	2.16	1.97	2.08	3.69	5.18	4.35	6.92	1.55	2.26	2.84	36.25
Ashland	4.75	3.26	6.05	3.31	1.40	3.23	------	------	------	------	------	------	------
Blacksburg	3.39	4.17	4.34	2.28	2.41	6.43	4.98	3.04	1.98	2.07	3.18	3.85	42.12
Buchanan	4.00	2.16	4.58	2.35	1.90	2.56	4.19	5.93	5.23	1.65	3.54	2.22	40.32
Burkes Garden	5.10	5.84	4.44	3.18	4.46	7.17	3.48	4.66	5.46	0.30	3.00	5.16	52.25
Callaville	4.55	3.49	6.72	4.12	0.84	1.38	6.62	4.72	7.05	1.85	2.81	1.86	46.01
Cape Henry	2.51	2.08	6.55	5.85	1.13	1.42	3.64	3.13	4.15	1.81	2.03	2.05	36.35
Catawba Sanatorium	2.70	2.36	3.43	3.07	2.29	3.60	3.35	9.76	3.00	2.29	3.20	2.98	42.03
Charlottesville (near)	3.74	1.89	4.88	3.73	1.45	2.19	4.40	7.18	2.86	1.29	2.93	2.30	38.84
Chatham	------	------	------	------	1.13	1.74	6.22	2.26	5.75	0.80	1.70	3.45	------
Clarksville	4.00	3.46	5.61	5.13	0.94	2.21	4.86	7.99	4.66	1.07	2.03	2.51	44.47
Columbia	3.43	2.77	6.37	3.32	1.21	2.02	5.80	6.29	2.01	1.18	2.93	1.80	39.13
Culpeper	3.00	1.80	3.93	3.41	2.13	2.60	4.48	5.80	4.49	1.05	2.96	2.16	37.81
Dahlgren	4.92	3.14	5.61	5.27	0.76	2.64	5.27	4.87	3.53	1.14	2.10	2.98	42.23
Dale Enterprise	2.79	0.98	2.00	2.88	1.39	2.09	2.49	7.19	4.62	0.77	2.35	1.47	31.02
Dante	5.31	5.10	5.37	3.27	4.63	8.45	4.60	4.48	2.78	1.20	2.22	4.57	51.98
Danville	3.60	4.00	5.38	3.67	1.24	1.54	6.49	4.51	6.75	1.40	2.14	2.53	43.25
Diamond Springs	------	------	7.05	6.85	2.45	1.93	4.60	3.42	7.30	3.10	3.56	1.97	------
Franklin	3.24	2.56	6.83	4.99	3.28	1.23	3.64	4.00	4.00	1.32	2.40	1.71	39.20
Fredericksburg (near)	4.49	2.41	5.40	4.90	1.75	2.49	6.93	5.73	4.74	1.83	2.73	2.44	45.84
Guinea Mills	3.64	3.75	6.05	3.66	1.07	1.42	7.20	2.60	1.77	1.10	2.91	2.67	37.84
Hawfield	3.20	2.20	5.01	3.61	2.03	3.13	4.11	7.42	5.81	1.12	3.12	2.73	43.49
Hopewell	3.61	3.06	6.44	3.64	1.59	0.77	5.89	5.98	5.72	1.17	2.03	1.46	41.36
Hot Springs	3.68	2.02	3.89	3.53	3.16	3.31	4.28	8.48	3.14	1.29	3.11	2.37	42.26
Ivanhoe	3.83	3.16	4.21	2.02	3.91	5.21	2.74	2.33	4.75	1.64	3.06	1.94	38.80
Langley Field	1.57	1.52	4.01	3.42	2.27	2.19	5.99	3.15	3.33	1.45	2.58	1.21	32.69
Leeds Manor	3.83	1.67	2.85	3.08	1.25	3.87	7.71	4.16	------	1.97	3.05	3.48	------
Lexington	2.71	2.25	5.13	4.03	1.83	1.90	3.51	1.89	3.49	1.35	2.43	1.71	32.23
Lincoln	3.79	2.38	3.43	2.14	1.65	1.85	3.37	3.59	3.92	2.09	2.63	4.42	35.26
Lynchburg	2.25	2.38	5.91	2.71	1.66	2.12	2.52	3.44	2.84	1.50	1.98	2.72	32.03
Macon	------	3.27	5.96	4.03	0.60	1.65	4.01	3.02	4.24	1.47	2.18	2.57	------
Manassas	3.11	1.74	4.14	3.75	2.19	2.79	3.01	4.18	4.34	1.55	2.52	2.59	35.91
Marion	4.93	5.85	4.61	2.72	3.38	11.17	3.74	3.07	2.00	1.51	2.04	4.48	49.50
Mayhurst	2.65	1.69	5.35	3.69	2.14	2.58	11.14	6.56	4.34	0.75	2.52	2.69	46.10
Mendota	7.33	5.55	5.95	3.05	3.62	5.19	6.25	4.21	2.87	1.45	2.34	4.07	51.88
Mineral (near)	4.18	2.34	5.94	4.65	1.40	1.76	4.30	4.59	4.44	1.10	3.19	2.23	40.12
Mount Moriah Farm	4.71	2.50	4.44	4.30	1.09	------	------	------	------	------	------	------	------
Mount Weather	2.19	2.14	1.43	2.94	1.64	3.74	7.07	6.12	3.94	2.62	3.25	3.09	40.17
Narrows	3.31	5.17	3.02	2.41	2.18	4.67	3.52	4.95	2.38	0.78	2.39	2.85	37.63
New Canton	3.54	3.19	6.73	3.67	1.50	1.60	7.19	4.61	3.31	0.94	3.46	2.65	42.39
Newport News	2.62	2.96	7.80	4.83	2.37	2.36	4.67	3.86	1.73	1.75	3.34	1.69	39.98
Norfolk	1.74	2.01	5.12	3.59	1.90	1.43	4.14	4.47	3.23	1.70	1.95	0.93	32.21
Onley	2.35	3.36	7.55	3.40	2.05	0.91	4.05	2.38	1.69	3.55	4.25	2.73	38.27
Pulaski	2.86	3.11	3.69	1.82	2.71	4.29	4.00	3.29	3.90	1.56	2.74	2.71	36.68
Quantico	3.05	2.17	5.37	2.55	1.20	3.29	3.88	4.55	2.96	1.22	2.20	2.26	34.70
Radford	3.35	4.25	3.54	1.64	1.77	4.01	6.77	2.47	2.85	1.70	2.37	1.79	36.51
Randolph	3.40	4.49	6.03	4.38	0.62	1.57	4.79	4.02	5.19	1.15	2.48	2.73	40.85
Richmond	4.61	3.09	5.88	3.96	1.16	2.09	10.87	6.41	4.25	2.16	2.20	2.28	48.96
Roanoke	2.88	3.12	4.06	2.25	1.64	3.57	4.85	7.10	3.58	1.54	2.88	4.06	41.53
Rocky Mount	3.48	3.29	7.37	2.85	1.89	3.41	3.98	2.11	5.48	1.60	3.09	3.00	41.55
Runnymede (near)	3.63	3.44	6.83	5.06	2.71	0.95	8.61	6.31	4.11	1.95	2.81	0.69	47.30
Saltville	------	------	------	------	2.36	8.95	3.58	1.87	2.57	1.73	3.06	4.97	------
Speers Ferry	6.30	4.99	4.80	1.75	2.20	3.50	4.75	3.45	1.55	0.70	0.75	3.35	38.09
Staunton	2.95	1.05	3.45	3.14	1.04	2.29	4.41	4.13	2.66	1.14	2.27	1.66	30.19
Stuart	3.46	3.63	9.42	3.91	3.31	2.64	4.74	5.27	3.25	1.67	3.77	4.29	49.36
Warsaw	4.90	3.96	5.28	4.85	1.68	2.15	7.64	5.91	3.95	------	2.73	2.45	------
West Point	3.62	------	------	------	------	------	------	------	------	------	------	------	------
Williamsburg	3.28	3.35	6.24	4.65	1.24	2.07	9.45	10.84	7.10	2.14	2.39	2.35	55.10
Winchester	2.11	1.90	2.22	3.13	1.03	2.26	4.88	3.75	2.62	1.29	2.16	3.54	30.89
Wise	------	------	------	------	------	------	------	------	4.16	1.96	2.06	6.96	------
Woodstock	2.85	1.52	2.90	2.60	0.54	1.87	3.43	3.04	2.76	1.02	2.92	1.84	27.29
Wytheville	3.07	3.90	3.03	2.14	3.27	8.07	3.27	2.39	4.84	1.37	2.28	3.19	40.82
Virgin Islands													
St. Croix:													
Annally	3.54	2.05	3.73	2.87	0.34	4.03	1.28	4.94	3.93	8.26	4.78	3.81	44.16
Bonne Esperance	[2.00]	1.77	2.17	1.57	0.31	2.73	1.18	3.95	3.48	9.33	4.31	4.61	[37.41]
Christiansted	0.85	1.11	1.20	1.41	0.43	2.84	2.07	2.17	3.99	9.35	3.55	1.53	30.51
Cotton Grove	1.69	1.66	1.75	0.99	------	------	------	------	------	------	------	------	------
Experiment Station	1.77	1.57	2.07	1.56	0.36	2.58	1.28	2.77	5.26	8.49	4.31	1.78	33.80
Frederiksted	2.25	0.96	------	------	------	------	------	------	3.85	10.13	4.05	3.95	------
King's Hill	1.96	1.15	2.22	1.21	0.47	3.01	0.85	2.83	3.49	6.20	3.50	3.83	30.72
St. John:													
American Hill	1.93	1.45	1.50	1.46	0.98	3.99	1.92	3.16	5.64	10.03	8.53	1.09	41.68
Cruz Bay	[2.00]	1.14	1.62	2.08	0.17	2.79	1.52	1.70	4.85	8.94	4.79	1.38	[32.98]
St. Thomas:													
Anna's Retreat	2.24	1.16	1.48	2.99	1.01	2.29	1.15	2.39	6.00	9.20	4.66	1.00	35.57
Canaan	3.81	1.29	1.40	2.43	0.35	2.68	1.64	2.13	5.95	9.74	7.02	1.78	40.22
Charlotte Amalie	2.90	1.45	2.16	2.83	1.41	2.32	1.61	2.74	4.68	10.03	7.38	1.54	41.05
Washington													
Aberdeen	17.58	4.55	5.66	4.48	3.30	------	0.70	0.05	1.72	5.00	4.33	12.84	------
Anacortes	4.45	1.40	2.16	1.57	2.54	1.06	0.27	1.25	1.49	2.70	2.22	4.13	25.24
Anatone	4.10	2.60	2.15	2.06	3.02	4.66	1.67	0.44	0.08	4.42	2.70	3.15	31.05
Arlington	9.65	1.80	5.65	2.65	5.60	2.42	0.78	1.66	2.43	3.35	4.16	9.56	49.71
Attalia	0.57	0.25	0.02	0.25	0.41	0.77	0.14	0.31	0.61	1.80	0.34	0.51	5.98
Bellingham	6.37	1.35	2.78	2.16	3.11	1.52	0.26	0.83	1.97	2.32	2.36	6.66	31.69
Blaine	7.14	1.79	2.39	0.56	1.72	1.04	0.69	0.60	0.97	2.20	2.59	4.74	26.43
Blewett	9.10	1.80	1.40	1.60	------	------	------	------	------	------	------	------	------
Bremerton	9.98	2.79	1.29	1.20	1.28	0.62	0.64	1.94	1.74	2.66	2.48	4.64	31.26
Brewster	1.37	0.53	0.06	0.35	0.37	2.53	0.79	0.33	0.35	0.99	0.36	2.00	10.03
Buckley	10.15	2.56	3.13	2.51	4.18	2.19	2.06	2.12	1.79	5.34	4.09	6.21	46.33
Bumping Lake	15.25	2.53	2.18	2.22	1.14	1.98	2.40	2.40	0.50	4.72	4.28	7.71	47.31
Camp Lewis	11.39	3.25	2.81	2.03	2.05	0.55	0.98	1.40	0.96	3.18	2.73	------	------
Carbonado	9.94	3.42	4.07	------	4.60	1.81	2.33	1.87	1.35	3.62	3.22	6.83	------
Castle Rock	17.66	2.11	4.12	3.06	2.35	1.27	2.28	0.57	1.39	4.03	4.41	11.15	54.40
Cedar Lake	25.10	6.70	11.25	6.70	7.25	4.90	2.50	1.85	2.40	6.95	8.22	16.39	100.21

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Washington—Continued													
Clearbrook	8.72	2.28	3.28	1.54	4.49	1.78	0.78	0.83	3.22	2.72	5.31	8.03	42.98
Cle Elum	7.14	1.42	2.83	1.46	1.07	0.72	1.17	0.98	0.79	2.23	2.93	5.89	28.63
Colfax	2.75	0.85	1.10	0.61	1.19	3.55	0.56	0.10	0.05	1.10	2.83	3.11	17.80
Colville	2.84	0.73	0.61	0.88	1.74	3.10	1.35	1.04	0.25	1.25	0.98	1.27	16.04
Conconully	2.45	0.31	0.16	1.47	1.14	3.74	1.38	1.19	0.19	1.45	0.88	2.14	16.50
Coupeville	2.72	0.46	1.47	0.51	2.47	0.92	0.95	1.12	0.94	1.59	0.98	2.85	16.98
Cowiche	1.82	0.46	0.19	0.65	0.09	0.21	2.36	0.70	0.80	0.90	0.27	2.13	10.58
Davenport	1.95	2.20	0.42	1.03	0.43	2.85	0.45	0.90	0.13	1.42	0.45	1.37	13.60
Davis Ranch	19.18	2.55	8.46	3.05	2.52	2.33	1.45	1.00	2.85	3.82	7.62	19.31	74.14
Dayton	2.71	1.89	0.67	1.16	1.63	2.05	0.19	0.45	0.18	2.43	2.15	2.70	18.21
Deer Park	4.58	1.40	1.47	1.76	0.83	3.72	0.81	2.00	0.49	1.11	1.76	2.95	22.88
Dirtyface Mountain	12.18	1.91	2.99	2.60	1.36	0.67	0.73	1.73	0.39	3.16	4.68	9.74	42.14
Dryden	5.59	1.50	1.14	1.17	0.78	1.05	1.10	1.35	0.49	2.75			
Ellensburg	1.51	0.36	0.47	0.64	0.38	1.05	0.58	0.88	0.93	0.67	0.49	1.89	9.85
Ephrata	0.79	0.72	0.12	2.00	0.41	1.62	0.81	0.12	0.50	1.17	0.17	0.71	9.14
Everett	4.77	1.83	2.06	1.40	2.23	2.17	0.57	1.60	1.57	2.27	1.85	6.40	28.72
Fairfax	13.46	2.11	1.90										
Forks	26.50	9.00	9.70	4.35	6.75	1.23	2.23	0.82	2.80	5.70	12.60	29.50	111.18
Fort Simcoe	2.76	1.13	0.26	0.67	0.11	0.90	1.82						
Glacier	2.90				1.15						0.85		
Goldendale	5.28	0.80	0.80	0.87	0.71	0.54	1.76	0.59	0.64	0.95	1.13	4.01	18.08
Granger (near)	0.33	0.18	T.	0.30	0.45	0.03		1.28	0.91	0.95		0.91	
Grapeview	16.63	4.48	2.83	1.54	2.02	0.70	1.21	1.22	1.88	3.13	4.57	8.54	48.75
Hanford	0.37	0.40	0.05	0.85	0.27	1.11	0.33	T.	0.43	1.03	0.06	0.56	5.46
Harrington	2.23	0.98	0.48	1.26	0.52	2.95	0.70	0.56	0.30	1.07	0.73	1.82	13.60
Hatton	1.38	0.31	0.19	0.64	0.85	2.92	0.45	0.47	0.47	1.64	0.78	0.90	11.00
Headworks	10.80	3.01	2.93	2.35	5.35	1.62	1.90	2.46	0.84	4.54	2.93	7.63	46.36
Irene Mountain	0.95	0.49	0.33	1.12	1.40	4.60	1.58	2.37	0.76	1.33	0.50	0.79	16.22
Kahlotus	2.01	0.61	0.28	1.01	0.88	2.76	0.31	0.27	0.30	1.47	0.94	1.45	12.29
Kalama (near)	16.08	3.16	6.33	3.41	3.96	2.79	2.38	0.70	1.29	3.19	3.86	10.38	57.53
Kennewick	0.57	0.80	0.92	0.67	0.32	1.13	0.43	0.19	0.46	1.91	0.38	1.13	8.91
Kent	7.73		1.41	1.32	1.31								
Kettle Falls	3.10	0.27	0.82	1.22	1.11	2.35	2.63	1.73	0.27	1.05	1.74	1.63	17.92
Keyport	10.22	2.50	1.25	1.27	1.96		0.47						
Kiona	1.50	0.32	0.00	0.77	0.49	1.48	0.52	0.10	0.36	1.32	0.35	1.09	8.30
Kosmos	12.92					1.41							
La Center	10.22	1.11	3.44	1.84									
La Crosse	2.64	0.70	0.00	1.11	1.13	3.28	0.53	0.10	0.25	1.10	1.83	1.85	14.53
Lake Clealum	12.43	1.89	3.77	2.43	1.38	1.02	1.35	0.95	1.21	3.63	5.00	6.30	41.36
Lake Kachess	16.59	2.62	4.78	2.07	1.99	1.10	1.59	1.79	1.04	4.15	6.78	11.42	55.92
Lake Keechelus	20.54	2.46	6.61	3.00	2.89	1.47	1.25	1.85	1.10	5.53	8.02	11.60	66.32
Lakeside		0.52	1.00	0.94	0.78	1.51	0.95	0.29	0.49	1.42	0.59	2.24	
Landsburg	11.50	2.85	4.28	2.84	3.31	2.77	2.03	1.73	1.40	4.51	3.95	7.23	48.40
Laurier	2.50	0.34	0.82	0.91	1.62	3.05	1.34	1.02	0.83	0.79	1.56	2.10	16.88
Leavenworth	6.32	0.90	0.98	1.40	0.78	0.71	1.45	2.41	0.53	2.47	2.61	6.08	26.64
Lind	1.63	0.17	0.12	0.88	0.70	3.69	0.24	0.24	0.69	2.11	0.59	0.62	11.68
Locke	4.67	1.44	2.50	0.56	1.29	2.90	2.18	1.79					
Long Beach													
Longmires Springs	18.48	3.86	8.76	4.43	4.78	2.37	1.95	2.20	1.29	8.07	8.76	15.11	80.06
Lost Creek	1.72	0.20	0.08	0.85	1.60	3.73	1.12	2.02	0.37	1.86	0.10	0.28	13.93
Lowden (near)	0.70	1.15	0.36	0.38	0.72	0.79	0.14	0.44	0.31	1.43	0.48	1.08	7.98
Mansfield	1.12	1.03	0.15	0.81	0.53	1.83	0.98	0.87	0.60	1.08	0.28	1.35	10.63
Marietta	6.22	2.32	2.24	1.54	2.90	1.27	1.02	0.79	1.71	1.48	1.96	5.70	29.15
Maryhill	2.64	0.15			0.18	0.12	0.22	0.34	0.50	0.69	1.04	2.11	
Mill Creek	5.70	2.91	2.39	2.31	2.84	7.84	0.25	0.73	0.30	6.05	5.40	5.40	42.12
Mottinger	1.50	0.44	0.14	0.89	0.43	1.15	0.52	0.67	0.37	1.44	0.60	0.77	8.92
Moxee	0.45	0.23	0.12	0.34	0.44	0.64	1.85	0.87	1.36	0.56	0.22	1.08	8.16
Nespelem	1.15	0.77	0.40	0.78	1.06	3.10	0.92	0.60	0.33	1.81	0.45	0.84	12.15
North Head	10.07	4.41	2.94	2.50	2.09	0.96	1.31	0.24	2.05	2.66	3.36	8.30	40.80
Oakville	13.27	2.24	3.64	2.31	2.28	0.62	1.08	0.76	1.30	2.34	3.40	8.94	42.18
Odessa	1.46	0.66	0.25	0.84	0.58	2.92	0.43	0.31	0.33	1.95	0.31	1.13	11.17
Olga	5.76	1.89	2.56	1.25	2.90	0.95	1.05	1.37	1.69	2.14	2.52	7.19	31.27
Olympia				2.31	2.18	0.43	1.62	0.80	1.60	3.44	3.32	9.21	
Omak	1.71	0.14	T.	0.49	1.18	2.86	1.08	1.31	0.28	1.22	0.48	1.42	12.17
Oroville	2.00		0.32	1.16	0.86	3.03	0.85	1.78	0.37	1.05	0.56	1.39	
Paradise Inn	10.60	8.05	8.10	5.95	10.65	3.38	2.13	2.28	3.21		10.92	13.10	
Peola	4.60	1.61	1.04	2.14	2.39	4.37	2.08	0.91	0.40	2.70	3.16	4.13	29.53
Pomeroy	1.97	0.92	T.	1.90	1.42	3.08	0.73	0.31	0.18	1.94	2.05	3.07	17.57
Port Angeles	5.45	2.76	1.90	0.51	1.27	0.79	1.23	1.38	1.47	1.55	1.54	5.45	25.30
Port Townsend	1.92	0.71	1.03	0.29	2.76	0.71	1.04	1.08	0.88	1.43	0.96	2.66	15.47
Prosser	0.62	0.26	0.16	0.75	0.42	0.64	0.67	0.40	0.57	0.93	0.09	1.16	6.67
Pullman	3.25	1.34	0.96	1.22	1.02	3.01	0.69	0.20	0.17	1.58	2.59	1.96	17.99
Puyallup	10.12	1.89	2.30	1.51	2.25	0.61	1.65	2.00	1.15	1.62	2.29	6.23	34.62
Quilcene	6.24	1.85	0.89	0.85	2.49	2.17	1.09	2.44	1.86	4.13	2.23	7.66	33.90
Quinianlt	31.60	7.86	9.98	6.81	6.39	1.91		2.20		7.73	6.75	14.58	
Republic	2.23	0.53	0.47	1.32	1.75	3.24	1.55	2.41	0.41	1.60	0.81	1.06	17.18
Rimrock	12.00	1.36	1.98	1.58	0.29	0.05	2.37	0.18	0.63	3.08	2.56	7.14	32.62
Ritzville	2.06	1.08	0.26	1.03	0.73	2.71	0.21	0.25	0.59	1.34	0.89	1.32	12.47
Rock Island	1.38	0.30	0.12	0.41	0.42	1.15	0.89	0.53	0.81	0.82	0.37	1.61	8.81
Rosalia	2.88	0.80	0.49	1.95	1.55	5.19	0.62	0.72	0.28	1.04	2.22	2.09	19.83
Seattle	7.51	2.72	1.37	1.67	1.45	1.01	0.68	1.98	1.37	2.05	2.06	3.31	27.18
Sedro Woolley	8.90	2.29	4.97	2.25	4.92	2.55	2.12	1.17	2.79	3.62	4.67	7.62	47.87
Sequim	3.03	1.36	1.30	0.28	1.42	0.62	0.86	1.46	1.17	1.32	1.29	2.73	16.84
Silverton	22.37	6.50	8.25		6.65	2.74	1.22	0.90	3.48	7.72	6.68		
Sixprong	1.13	0.63	0.21	0.53	0.35	1.01	0.82	0.67	0.39	0.85	0.46	1.12	8.17
Snoqualmie Falls	11.89	2.04	4.73	3.24	2.51	2.92	1.34	2.04	1.44	4.72	4.28	8.65	49.80
Snoqualmie Pass	11.70	6.30	8.10	4.00		0.05	1.86	1.70	2.50	9.95	12.60	18.57	
Snyders Ranch	5.69	0.87	0.58	1.15	0.82	2.07	1.21	1.57	0.21	1.69	1.64	5.00	22.50
South Bend	16.69	4.12	7.39	4.19	4.56	1.26	1.69	0.54	3.14	3.77	4.87	12.53	64.75
Spokane	1.90	1.63	0.54	1.58	0.75	3.03	0.77	2.12	0.31	0.58	0.87	1.84	16.02
State University	7.00	1.73	1.36	1.31	2.09	1.05	0.76	1.87	1.45	1.68	2.12	4.79	27.16
Stehekin	11.98	1.47	2.01	1.29	1.21	0.86	0.63	0.85	0.10	2.54	3.40	8.34	34.77
Stokes Ranch	5.51	0.42	0.43	0.82	0.80	1.40	1.60	0.59	0.15	1.67	1.53	4.43	19.85
Sultan					3.98	2.60	0.87	2.13	2.82	4.42	5.21	12.02	
Sunnyside	0.25	0.14	0.05	0.40	0.17	0.94	0.77	0.88	0.80	0.89	0.11	0.82	6.22
Tacoma	10.90	3.23	2.07	1.14	1.39	0.29	0.76	2.28	1.16	2.41	1.85	4.83	32.31
Tatoosh Island	14.30	7.76	5.66	3.75	2.91	0.57	1.38	1.80	1.74	3.17	7.04	21.01	71.09
Tieton Canyon	6.40	0.35	0.80	0.95	0.40	0.80	2.60	0.80	0.52	2.05	2.00	4.15	21.32

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
***Washington*—Continued**													
Timentwa	2.39	1.02	0.26	0.86	1.44	3.41	1.74	0.80	0.89	0.60	0.72	1.20	15.33
Touchet Ridge	8.04	2.84	2.19	2.43	3.19	4.87	0.32	0.97	0.42	5.51	5.52	5.33	41.63
Trinidad	1.05	0.58	0.02	0.68	0.31	0.71	0.74	0.07	0.69	0.88	0.20	1.30	7.23
Vancouver	7.59	1.85	1.63	1.18	1.74	1.33	2.05	0.30	0.47	1.55	3.73	5.46	28.88
Vashon Island	8.37	3.99	1.68	1.59	2.59	0.60	0.73	1.93	1.54	3.15	3.85	5.29	35.22
Wahluke	0.18	0.15	0.00	0.69	0.70	0.29	0.00	0.14	0.40	1.01	T.	0.68	4.24
Wallace	2.92	0.50	0.50	1.55	2.26	4.41	1.42	1.84	0.73	1.59	1.11	2.64	21.47
Walla Walla	1.85	1.80	0.47	1.24	1.36	2.89	0.33	0.57	0.21	3.11	1.18	2.18	17.19
Wapato				0.05	0.64	0.20	2.03						
Waterville	1.41	0.72	0.11	1.11	0.51	0.87	1.15	0.39	0.69	1.35	0.40	1.83	10.54
Wellpinit									0.26	1.27	0.43	1.70	
Wenatchee	3.11	1.29	0.09	0.43	0.61	1.57	1.11	0.65	0.90	2.06	0.67	3.19	15.68
Wenatchee (near)	3.24	1.27	0.30	0.88	0.42	1.52	1.99	0.82	1.13	1.59	1.04	3.50	17.70
Wheeler	0.60	0.34	0.22	0.67	0.98	1.89	0.38	0.36	0.54	1.13	0.20	0.88	8.19
White Salmon	9.54	1.87	1.87	1.97	1.09	0.28	1.31	0.50	0.32	1.76	2.93	6.84	30.28
Wilbur	2.78	1.02	0.28	1.20	0.65	2.00	1.16	1.60	0.23	1.90	0.60	0.68	14.10
Wind River	31.88	3.53	8.34	4.56	3.45	1.11	1.49	1.78	1.06	5.24	7.62	18.61	88.67
Winthrop	3.44	0.48	0.19	0.77	0.63	1.71	1.49	1.00	0.26	1.38	1.18	4.29	16.82
Yakima	0.45	0.30	0.19	0.38	0.42	0.48	1.97	0.80	0.86	0.49	0.24	1.07	7.65
West Virginia													
Bancroft	4.91	4.47	3.07	3.06	2.03	3.64	5.20	3.94	3.36	1.63	2.86	7.31	45.48
Bayard	4.83	5.46	3.25	3.96	2.88	6.71	4.10	2.35	5.03	0.95	3.82	5.22	48.56
Beckley	4.18	3.68	4.43	3.28	3.30	4.21	3.89	5.06	1.00	1.00	1.70	4.20	39.93
Bens Run	4.21	3.34	3.36	3.80	2.65	2.84	5.74	3.58	1.51	1.19	4.31	6.04	42.57
Benson								5.86	4.76	1.64	4.72	6.39	
Bluefield	4.42	5.56	3.52	2.90	0.87	2.69	2.68	5.01	2.61	1.17	2.03	3.29	36.75
Brandywine	2.55	0.90	2.10	2.35	1.50	2.20	3.20	1.95	3.55	0.85	2.20	1.50	24.85
Brownsville								6.42	4.91	1.45	4.05	6.01	
Bruceton Mills	5.63	3.10	3.11	6.08	2.12	5.74	5.80	5.06	2.40	1.87	4.11	6.56	51.58
Buckhannon	6.11	5.10	3.45	3.74	2.63	10.37	5.12	3.44	2.61	1.52	4.18	7.61	55.88
Burlington	2.18	2.16	1.48	2.79	1.51	3.18	2.35	3.95	2.87	1.50	2.70	2.70	29.37
Camden-on-Gauley	3.80	3.30	3.00	3.60	1.02	5.02	3.70	2.80	3.60	1.80	3.60	9.80	45.04
Cairo	4.82	3.21	4.23	4.01	3.08	4.16	7.15	4.39	4.23	1.80	3.92	6.80	51.80
Charleston	7.02	4.85	3.93	2.99	2.93	4.35	6.07	3.50	2.49	1.66	2.80	6.49	49.08
Cheat Bridge	5.51	4.60	4.62	3.36	1.96	6.49	5.79	4.00	4.36	1.27	4.26	8.04	54.26
Clarksburg	4.78	3.44	2.96	4.61	2.52	5.13	3.25	3.61	3.25	1.18	4.10	5.54	44.37
Clay	4.64	3.31	2.82	2.77	2.62	4.74	2.56	4.48	1.89	1.92	3.40	6.12	41.27
Cortland	4.74	3.92	2.32	3.66	2.38	4.40	4.97	3.09	4.89	0.75	3.65	8.68	47.45
Crawford										2.41	4.75	6.95	
Creston	5.47	4.13	3.85	4.26	2.22	3.71	6.41	6.70	2.46	2.02	3.72	6.05	51.00
Dam No. 10, Monongahela River	4.75	3.09	3.65	4.88	2.60	6.63	4.08	4.44	2.61	1.13	3.28	5.61	46.75
Dam No. 15, Monongahela River	4.06	2.90	3.15	4.20	2.01	4.53	6.50	3.13	2.86	1.21	3.86	5.38	43.79
Dam No. 12, Ohio River	3.13	1.67	2.84	3.63	3.17	2.88	4.30	5.79	4.29	1.14	2.56	5.99	41.39
Dam No. 13, Ohio River	3.29	1.88	2.23	3.26	2.50	2.47	3.58	3.14	3.54	1.38	3.04	5.70	36.01
Dam No. 19, Ohio River	4.23	3.06	3.74	3.93	3.32	4.73	6.04	5.16	3.51	1.18	3.46	6.23	48.59
Dam No. 20, Ohio River	4.86	3.61	4.24	3.61	2.74	3.50	8.68	6.25	1.86	1.38	3.70	5.48	49.91
Dam No. 26, Ohio River	4.55	5.03	2.86	4.42	3.19	3.73	5.15	5.85	2.05	1.33	2.52	5.62	46.30
Davis	6.19	6.75	4.76	4.41	2.46	6.15	5.55	3.43	3.07	1.15	3.83	7.65	55.40
Elizabeth	4.76	3.49	3.06	4.01	2.27	3.70	9.46	6.72	3.41	1.44	3.40	5.07	50.79
Elkins	5.10	3.73	3.32	3.20	1.96	6.94	3.73	3.08	2.33	0.89	3.28	6.95	44.51
Fairmont	5.11	3.92	3.45	3.50	2.26	5.25	5.04	4.05	3.24	1.42	4.09	6.16	47.49
Gary	4.53	5.30	4.49	3.05	5.33	6.48	3.85	6.25	2.30	1.52	2.64	4.26	50.00
Glenville	6.04	4.66	3.36	3.52	3.72	5.18	7.85	7.83	4.48	1.86	4.00	6.22	58.72
Grafton		3.78	2.64	4.10	1.61	7.34	3.28						
Green Sulphur Springs	6.14	4.47	3.92	3.61	3.28								
Harpers Ferry	2.02	2.19	2.28	2.83	1.64	1.94	2.63	4.03	2.39	2.04	2.15	3.21	29.35
Hinton	3.57	3.18	3.42	3.33	2.56	4.60	6.40	4.20	2.02	1.16	2.91	2.68	40.03
Horner										1.19	4.12	7.20	
Huntington	5.00	4.75	3.54	3.56	3.09	5.20	3.60	4.82	2.30	1.38	2.74	6.18	46.16
Inwood	2.00		2.13	1.46	1.71	3.63	3.31	2.95	3.98	1.10	3.03		
Janelew								3.85	3.69	1.28	3.91	6.26	
Kanawha Falls	2.90	3.22	3.37	3.16	2.59	1.91	7.74	2.87					
Kayford	4.99	3.79	4.05	2.89	4.42	6.41	3.42	6.97	3.43	2.59	3.48	5.96	52.40
Lewisburg	3.55	2.51	4.40	3.38	2.16	2.68	2.90	5.74	2.93	0.98	3.13	2.99	37.35
Logan							3.15	3.61	2.36	2.28	2.40	5.77	
Lost Creek	5.46	4.68	2.94	3.81	2.60	4.63	4.59	5.08	4.95	1.20	3.88	6.42	50.24
Mannington	4.98	3.18	3.69	4.48	2.91	4.60	5.25	3.83	3.19	1.35	4.74	6.58	48.78
Marlinton	4.64	4.11	4.38	4.31	2.78	3.44	5.30	4.89	2.92	1.53	4.01	4.82	47.13
Martinsburg					1.63	2.56	3.90	2.92	3.10	1.35	4.89	4.12	
Moorefield			2.04	2.64	0.61	2.71	2.65	2.24	2.71	0.98	2.23	1.98	
Morgantown	3.25	3.19	2.94	3.87	2.07	5.17	4.02	4.79	2.75	1.29	2.93	4.21	40.48
Moundsville					3.33		4.60	2.50	3.60	1.82	3.05	6.40	
New Cumberland	3.62	2.21	2.20	3.06	5.04	3.32	3.50	4.30	3.52	0.99	2.97	6.80	41.53
New Martinsville	4.76	2.41	3.35	3.85	3.85	5.30	6.00	4.59	3.30	1.65	4.00	6.80	49.86
Organ Cave							3.52	4.60	5.36				
Parkersburg	4.14	2.32	3.35	3.47	2.31	5.42	5.52	7.38	2.92	0.82	2.97	5.36	45.98
Parsons	7.60	3.76	3.00	3.50	2.00	6.80	4.20	2.31	2.40			6.50	
Philippi	4.54	4.22	2.53	3.12	2.21	6.71	4.10	5.06	4.68	1.07	4.40	5.39	48.03
Pickens	6.51	7.38	5.50	3.62	4.49	9.18	8.36	12.42	4.63	2.19	4.82	10.96	80.06
Piedmont	4.26	4.64	1.58	4.01	1.39	3.65	2.51	3.12	1.82	0.65	3.03	4.00	34.66
Point Pleasant	4.66	4.11	3.25	3.58	2.97	3.10	5.22	4.46	3.63	1.31	2.91	6.60	45.80
Powellton	4.87			1.52			2.22	3.42	1.14	1.37	2.92		
Raleigh	2.40	3.90	4.30	3.90	2.00	3.60	2.60	4.00	2.80	1.32			
Ravenswood	5.34	3.25	3.00	3.12	2.02	4.42	6.98	2.89	3.21	1.38	3.40	5.28	44.29
Roanoke										1.60	3.82	7.07	
Robertsburg	4.98	4.90	3.23	4.08	2.06	3.58	4.03	4.58	2.91	1.00	3.04	6.62	45.01
Romney			1.66	3.23	1.32	2.91	3.14	4.40	2.82	1.20	1.39	2.87	
Rowlesburg	5.98	4.51	3.59	3.90	2.89	7.44	2.98	4.38	3.78	0.71	4.03	8.04	52.23
Ryan	5.20	3.97	3.10	2.85	1.41	5.00	4.42	6.14	3.72	2.16	3.33	6.95	48.25
St. Marys	4.36	3.42	3.51	4.24	2.95	3.95	5.86	4.89	2.66	1.19	4.47	5.98	47.48
Sharples	4.15	3.10	4.49	2.35	3.33	4.43	3.79	4.10	3.23	1.20	3.95	6.20	44.32
Smithfield	5.94	3.76	3.97	4.60	3.66	5.36	5.10	3.06	3.16	1.63	5.35	7.30	52.89
Spencer	4.53	4.53	3.56	3.32	1.70	5.54	5.89	3.69	4.31	1.79	2.96	6.41	48.23
Stony River Dam	2.45	4.28	1.64	2.83	1.60	4.49	4.32	2.52	3.31	0.68	3.97	5.41	37.50
Sutton	5.95	4.77	3.28	3.63	2.84	6.08	7.55	8.16	3.71	1.84	3.92	6.59	58.32

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
West Virginia—Continued													
Terra Alta	5.59	3.99	3.03	4.86	3.34	5.97	4.25	4.49	4.05	1.34	4.30	6.73	51.94
Union	2.85	3.14	3.71	3.03	3.07	2.76	4.83	4.93	2.65	0.66	3.07	4.08	38.78
Upper Tract	1.13	0.75	0.88	1.00	0.48	1.25	------	1.60	4.30	1.05	3.25	1.00	------
Valley Chapel	------	------	------	------	------	------	------	------	------	1.48	3.97	5.76	------
Vandalia	------	------	------	------	------	------	------	5.09	3.85	1.69	------	------	------
Wardensville	1.48	0.81	0.95	2.19	0.18	2.54	4.65	4.03	------	------	------	------	------
Wellsburg	3.41	2.13	2.89	3.52	4.42	6.67	3.22	4.77	4.92	1.29	3.24	6.39	46.87
Weston	4.76	4.92	2.83	3.18	2.56	6.25	7.92	2.32	4.15	1.19	3.25	6.63	49.96
Wheeling	3.16	1.74	3.21	3.69	3.45	2.05	4.00	4.13	3.89	1.25	2.87	6.36	39.80
White Sulphur Springs	4.82	3.73	3.13	2.99	2.04	2.83	2.99	3.15	4.79	1.23	2.60	1.30	35.60
Williamson	4.56	4.64	5.33	3.27	2.22	2.42	4.66	2.57	1.59	1.91	2.33	6.07	41.57
Wisconsin													
Amery	1.13	0.71	0.67	2.11	2.71	5.67	1.85	1.54	2.37	1.02	0.39	0.43	20.60
Antigo	1.48	0.44	1.80	1.32	2.19	4.50	3.27	3.52	1.33	0.47	0.40	1.00	21.72
Ashland	1.87	0.46	1.67	1.01	1.56	3.24	5.12	1.88	2.04	0.76	1.09	1.43	22.13
Beloit	0.50	0.74	3.79	1.45	1.42	4.83	3.72	3.88	4.85	3.28	0.88	2.02	31.36
Big St. Germain Dam	1.48	------	1.40	1.50	2.75	7.65	4.50	1.90	2.50	1.20	0.75	0.78	------
Break Water	1.39	1.17	1.98	1.96	1.65	6.13	5.48	1.72	1.01	1.23	0.62	1.02	25.36
Brodhead	0.85	1.30	3.68	1.83	1.16	3.19	4.65	4.47	4.80	2.86	1.13	2.21	32.13
Brule Island	2.31	0.96	2.06	2.08	1.38	6.21	5.10	2.56	2.95	1.23	0.78	0.93	28.55
Burnett	0.96	0.68	1.91	2.12	2.58	3.83	3.39	2.42	2.60	2.66	0.89	1.12	25.16
Cecil	0.57	0.57	2.07	0.66	2.34	3.61	3.20	3.24	2.00	2.87	0.76	1.33	23.22
Coddington	0.64	0.17	1.95	1.73	2.93	4.51	2.47	3.58	5.33	0.71	0.71	1.57	26.30
Cornucopia	1.57	0.47	1.06	0.72	1.71	3.01	3.89	1.79	3.33	0.57	0.81	1.20	20.13
Danbury	2.16	------	0.75	1.23	3.45	4.45	6.95	0.71	1.65	0.24	0.13	0.48	------
Darlington	0.68	0.47	3.50	1.92	1.26	3.68	1.98	2.84	5.10	1.53	0.93	1.50	25.39
Deerskin Dam	1.25	0.28	1.25	0.99	1.85	7.77	6.00	2.15	2.05	1.10	0.96	0.67	26.32
Downing	1.47	1.02	1.28	1.48	1.48	6.40	3.95	3.85	3.50	2.10	0.03	0.80	27.36
Eau Claire	1.24	0.64	2.30	1.94	2.29	7.41	2.37	2.11	3.37	0.93	0.53	1.47	26.60
Florence	1.74	0.47	3.07	2.65	1.61	7.41	4.84	1.93	3.13	1.33	0.66	1.41	30.25
Fond du Lac	2.41	0.70	6.47	2.26	1.78	1.51	1.92	3.68	2.37	3.23	0.83	1.55	28.71
Grand River Locks	0.79	0.76	1.79	2.74	1.27	2.02	2.61	1.28	3.78	1.73	0.80	1.61	21.18
Grantsburg	1.61	0.21	0.82	2.61	3.04	4.53	4.33	2.07	2.54	0.60	0.46	0.61	23.43
Green Bay	1.73	0.91	2.93	2.33	1.50	2.53	3.31	3.65	1.48	1.98	0.60	1.19	24.14
Hancock	0.65	0.33	1.22	3.50	1.92	2.60	1.10	2.85	4.12	0.83	0.77	1.86	21.75
Hatfield	1.20	0.96	2.22	2.60	2.43	5.06	2.65	3.68	3.34	0.49	0.68	2.07	27.38
Hayward	1.92	------	1.52	2.25	3.80	5.59	5.46	2.00	0.74	0.87	0.03	0.45	------
High Falls	2.17	0.90	1.95	2.03	2.04	4.90	7.89	2.18	3.37	1.05	0.43	1.45	30.36
Hillsboro	1.09	0.69	1.90	3.39	1.96	2.85	1.30	1.54	4.34	0.59	0.78	1.69	22.12
Iron River	0.92	0.35	1.45	1.25	1.43	2.88	5.10	1.74	1.76	0.71	0.69	0.68	18.96
Kilbourn	0.89	0.56	2.14	4.68	1.87	3.23	1.04	1.25	6.51	0.99	1.25	1.84	26.25
Koepenick	1.40	0.50	2.10	2.00	1.70	5.45	3.40	2.15	4.50	0.70	0.40	1.82	26.12
La Crosse	0.75	0.70	2.63	1.69	1.53	4.86	0.62	2.30	4.00	0.70	0.39	1.53	21.70
Lake Mills	0.84	0.59	2.31	2.38	2.16	3.40	2.56	5.42	3.30	4.54	0.96	1.68	30.34
Lancaster	0.84	1.35	4.30	3.13	2.13	4.50	2.27	4.93	6.14	1.38	1.34	1.87	34.18
Long Lake	1.35	0.24	1.59	1.70	2.13	5.08	4.19	1.40	2.04	1.05	0.75	0.62	22.14
Madison	1.25	0.93	4.14	2.59	1.90	3.05	2.28	5.59	4.36	2.12	0.68	2.12	31.01
Manitowoc	1.83	1.45	4.34	2.53	2.00	1.13	2.42	5.78	3.43	4.76	0.91	2.37	32.95
Marinette	1.55	0.92	2.67	2.44	2.00	3.39	4.00	2.20	2.44	2.16	0.98	1.67	26.42
Marshfield	1.21	0.51	1.82	1.42	1.83	4.03	1.25	2.99	3.09	0.77	0.78	1.27	20.96
Mather	1.02	1.00	1.70	3.12	1.97	3.39	1.76	2.81	4.67	0.35	0.55	1.00	23.34
Meadow Valley	1.01	0.84	1.72	2.73	1.52	4.14	1.94	3.28	7.22	0.35	0.57	1.72	27.04
Medford	1.30	0.23	1.79	1.05	1.84	5.81	3.83	2.86	2.34	1.15	0.30	0.79	23.29
Menasha	1.45	1.11	2.86	2.16	2.36	2.09	2.15	2.18	2.05	1.81	0.48	1.69	22.39
Merrill	1.27	0.49	1.24	1.83	1.86	4.87	4.87	2.94	3.12	0.89	0.44	1.22	25.04
Milwaukee	1.78	1.17	4.42	1.90	1.81	3.23	1.98	2.91	5.22	3.39	0.71	2.34	30.86
Minocqua	1.51	0.45	1.72	1.50	2.40	8.36	5.38	1.88	1.47	1.53	1.05	0.85	28.10
Mondovi	0.47	0.65	1.65	2.18	3.41	7.55	2.38	4.43	3.77	0.91	0.54	1.28	29.22
Neillsville	1.02	0.71	2.12	2.67	2.48	7.17	0.76	4.12	4.19	0.60	0.77	1.82	28.43
New London	1.67	1.06	2.52	2.10	2.01	3.67	3.36	2.98	1.25	1.87	0.75	1.18	24.42
Oconto	1.35	1.21	1.64	1.87	1.82	4.55	2.46	2.50	1.14	1.90	0.39	1.66	22.49
Oshkosh	2.03	0.88	2.65	1.95	1.90	3.17	1.67	2.07	1.63	2.63	0.47	------	------
Park Falls	2.60	0.40	2.50	3.12	3.06	11.26	5.74	3.00	2.35	2.66	1.06	1.58	39.33
Pine River	1.32	1.29	2.26	3.00	1.89	3.68	2.59	2.48	2.92	1.75	0.84	1.60	25.62
Plum Island	1.95	0.70	3.20	2.01	0.95	1.97	4.64	2.53	1.22	3.95	1.50	1.45	26.07
Plymouth	1.57	1.39	3.36	1.97	2.18	2.40	1.89	2.12	2.31	3.32	1.43	1.39	25.33
Portage	0.82	0.81	2.10	2.71	2.60	2.71	1.77	1.68	5.74	2.25	0.68	1.50	25.37
Port Washington	2.65	1.08	3.58	2.23	2.78	3.85	3.37	2.95	3.78	3.52	1.63	2.25	33.67
Prairie du Chien	0.84	0.26	2.90	2.62	1.82	4.74	1.62	3.92	4.42	0.72	0.92	1.08	25.56
Prairie du Sac	1.41	0.88	2.30	2.55	1.78	2.70	1.43	3.37	4.04	1.55	0.73	1.52	24.26
Prentice	1.96	0.60	1.45	2.19	2.25	7.86	3.71	4.30	2.19	1.66	0.51	0.52	29.60
Racine	1.30	0.85	4.64	1.68	1.66	3.87	3.28	4.33	5.87	4.42	0.66	2.39	34.25
Rest Lake	1.65	0.13	0.74	0.93	2.52	6.68	7.78	3.01	1.95	2.27	0.84	0.98	29.48
Rhinelander	1.37	0.30	1.57	2.60	2.09	9.06	4.13	2.88	2.02	0.76	0.48	0.80	28.06
Richland Center	1.32	0.48	2.37	2.64	1.78	4.21	1.12	2.66	3.28	0.52	0.70	2.23	23.31
Ripon	1.09	0.65	2.45	3.43	2.55	1.80	3.67	1.88	2.96	2.72	0.57	1.35	25.12
River Falls	1.34	0.35	1.25	1.53	2.80	5.59	3.71	2.84	4.87	1.24	0.27	0.53	26.32
Shawano	------	------	------	------	------	5.17	2.86	3.09	2.51	1.39	0.71	0.91	------
Sheboygan	1.24	0.83	3.62	1.26	1.81	3.59	1.95	2.17	2.00	3.23	0.88	1.24	23.82
Solon Springs	1.64	0.10	1.30	1.74	1.95	5.85	4.50	2.20	3.55	0.50	0.21	0.52	24.06
Spooner	1.76	0.28	1.15	2.33	2.59	3.95	5.79	1.12	2.49	0.63	0.49	1.04	23.62
Stanley	1.25	1.20	0.95	2.48	2.69	9.30	3.00	3.20	3.09	1.35	0.70	0.90	30.11
Stevens Point	1.26	0.74	4.88	5.35	2.15	6.51	2.68	1.33	3.62	0.54	1.06	1.87	32.01
Sturgeon Bay	1.83	0.90	2.58	2.13	1.91	2.47	1.44	3.39	2.29	3.36	1.31	1.46	24.97
Superior	1.43	0.12	1.13	1.02	2.10	4.90	4.57	1.29	2.09	0.30	0.34	0.65	19.04
Tomahawk	1.25	0.44	1.75	2.97	2.22	7.95	3.57	2.15	2.42	0.67	0.45	0.79	26.63
Viroqua	0.77	0.95	1.60	1.31	1.82	6.14	------	3.48	4.53	0.83	0.65	1.96	------
Watertown	1.76	1.11	3.30	3.16	1.85	4.48	3.95	3.33	1.67	4.02	0.95	1.71	31.69
Waukesha	1.92	0.83	5.89	2.89	1.83	3.90	1.74	3.31	4.85	4.18	1.55	1.28	32.17
Waupaca	1.73	1.06	3.10	3.13	1.87	3.06	4.05	4.17	3.68	1.51	0.90	1.58	29.86
Wausau	1.29	0.85	2.27	1.46	1.56	5.33	3.36	1.96	3.57	0.70	0.77	1.65	24.77
West Bend	1.74	0.73	4.01	1.97	2.43	3.78	2.81	1.88	2.47	3.34	1.25	2.02	28.43
Weyerhauser	1.95	0.45	1.24	2.30	3.05	5.54	2.58	1.71	2.26	1.87	0.60	0.86	24.41
Whitehall	1.17	0.64	1.83	1.54	2.44	6.75	2.79	3.42	3.71	1.00	0.69	1.65	27.63
Williams Bay	0.73	0.57	3.96	1.46	1.12	3.63	2.92	5.31	4.96	3.26	1.30	2.55	31.78
Winter	1.24	0.24	1.40	2.82	2.20	5.48	5.44	1.31	2.55	2.25	------	------	------
Wisconsin Rapids	1.08	0.95	1.94	2.64	2.01	6.76	0.80	3.13	5.61	0.44	0.50	2.36	28.22

Monthly and annual precipitation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Wyoming													
Afton (near)	2.46	0.32	2.50	1.33	1.90	1.39	1.27	0.65	3.02	1.88	0.91	0.54	18.17
Alta	1.33	1.96	1.33	1.14	0.68	2.28	0.96	2.19	0.94	0.69	0.95	2.39	16.84
Archer	0.06			0.86	2.98	2.41	1.62	2.92	2.68	3.45	0.16	0.09	
Barnum			0.42	2.68	1.36	1.17	2.97	0.44	3.96	1.33	0.12	0.45	
Basin	0.17	0.10	0.50	1.05	1.51	0.76	1.11	0.82	2.74	0.77	0.54	0.47	10.54
Bedford	2.46	0.69	1.35	2.06	2.23	2.00	1.31	0.73	2.49	1.24	1.11	0.94	18.61
Big Creek	0.84	0.98	2.14	1.77	2.04	1.23	2.07	3.19	1.14	1.27			
Border	2.56	0.43	2.24	2.05	1.54	0.88	1.08	0.42	4.99	3.83	0.73	0.87	21.62
Bow Ranger Station	0.87	2.15	2.34	2.21	2.57	2.08	3.60	1.17	2.93				
Brooks Lake						1.22		0.68					
Buffalo	0.30	0.36	0.91	2.00	2.89	3.44	4.36	3.49	7.92	1.27	0.12	0.18	27.24
Casper	0.57	0.90	1.97	1.33	2.99	2.05	2.66	0.39	5.10	1.40	0.24	1.64	21.24
Centennial	2.00	0.49	2.06	1.16	2.14	1.70	3.80	0.99	2.02	2.47	0.30	0.75	19.88
Cheyenne	0.06	0.57	1.49	3.26	2.58	2.32	3.23	2.06	2.78	2.83	0.28	0.28	21.74
Chugwater	0.00	0.61	1.49	2.10	5.26	3.55	2.26	1.17	1.44	3.40	1.00	1.43	23.71
Clark	0.11	0.41	0.30	0.92	0.55	1.38	1.26	1.20	2.27	0.96	0.46	0.77	10.59
Clearmont	0.34	0.27		2.26	1.20	1.67	4.20	3.00	5.60	1.02	0.90	0.28	
Cody	T.	0.27	0.55	1.08	0.70	1.69	1.85	1.64	3.27	2.14	0.34	0.71	14.24
Colony	0.56	0.43	0.99	2.11	1.43	2.73	4.74	5.81	6.63	2.91	0.45	0.58	29.37
Crandall Creek	1.54	0.41	0.94	1.26	0.71	2.65	1.83	1.38	2.08	1.67	0.70	1.60	16.77
Deaver	0.05	0.02	0.19	0.99	0.49	1.18	0.84	0.81	1.24	0.41	0.12	T.	6.34
Diversion Dam	0.60	0.41	0.47	0.90	1.21	1.13	3.14	0.17	3.77	2.89	0.30	0.09	15.08
Dixon	0.63	0.78	0.52	1.52	0.29	0.32	0.84	3.00	0.92	0.89	0.35	0.71	10.77
Dome Lake	1.33	1.26	4.05	3.63									
Douglas	0.23									1.68	0.11	1.27	
Dubois	0.19	0.19				0.45			3.06	1.49	0.26	1.64	
Dutch Joe	4.73	1.62	3.00		1.85	1.53	3.21	1.34	3.58	2.43			
Dwyer	T.	0.20	0.64	2.33	3.10	3.50	3.65	0.81		3.77			
Echeta	0.20	1.00	2.10	1.40	2.30	1.65	4.75	3.84	6.32	2.38	0.80	0.45	27.19
Eden						0.27	0.00	0.10	1.27	0.43	0.20	0.21	
Elk Mountain	0.50	1.30	2.30	1.60	0.38	0.17	3.30	2.60	3.30	3.20	T.	0.70	19.35
Encampment	0.58	0.87	1.32	0.95	1.67	2.12	0.70	1.00	1.45	1.09	0.30	0.77	12.82
Ervay	0.57	0.82	1.76	3.06	3.02	1.81	1.55	0.44	6.08	2.06	0.23	1.72	23.12
Evanston	1.67	0.87	1.28	3.23	1.64	0.91	0.55	1.23	2.51	2.59	0.67	1.57	18.72
Fort Laramie	0.02	0.26									0.29	0.42	
Foxpark	2.00	1.77	0.96	3.21	2.43	1.71	3.99	1.59	3.89	2.59	0.58	0.71	25.43
Gillette	0.21	0.52	0.45			1.79		4.61	4.75	1.20	0.42		
Green River	0.52	0.26	0.32	0.87	2.03	0.03	1.00	0.05	2.62	0.93	0.57	0.38	9.59
Hampshire (near)	0.14	0.19	0.35	0.72	0.92	1.98	1.92	1.62	2.62	1.07	0.24	0.14	11.91
Hecla	0.18	1.00	2.05	3.98	2.64	2.99	3.58	1.94	3.00	2.40	0.10	0.42	24.28
Hunter's Station	1.10	1.10	4.39	4.37	2.58	3.13	5.16	2.55	5.68	9.15	0.55	2.25	42.01
Hyattville				0.00			1.50	3.00					
Jackson	3.93	1.68	1.72	2.52	2.25	1.55	0.62	1.44	1.14	1.97	0.20	2.45	21.47
Judson	0.21	0.37											
Kendall	2.46	1.15	1.51	0.96			0.32				0.86		
Kirtley	0.00	0.50	0.49	1.01	4.60	3.71	3.90	2.67	2.32	3.04	0.22	0.63	23.09
Knowles	0.34	0.78	0.93	2.04	1.96	5.08	4.33	7.17	7.88	4.60	0.89	0.47	36.47
Lagrange	0.25	1.37	0.70	1.95	2.80	4.60	0.86	1.22	1.26	3.04	0.73	0.81	19.59
Lander	0.41	0.77	1.88	2.38	1.90	0.86	2.26	0.23	5.64	4.10	0.65	0.48	21.56
Laramie	0.65	0.63	0.98	0.55	0.75	2.40	2.45	1.09	1.94	1.73	0.04	0.47	13.68
Lovell	0.32	0.24	0.11	0.97	1.11	0.37	0.25	1.15	1.77	0.43	0.35	0.77	7.84
Lusk	0.18	0.24	0.57	1.88	3.97	3.51	3.20	1.75	2.49	1.85	0.55	0.58	20.77
Lyman	0.81	0.53	1.42	2.58	1.74	0.31	0.34	1.13	2.04	3.67	0.28	0.32	15.17
Marshall										0.79	0.22		
Middle Fork (near)	0.63	2.15	3.36	5.58	3.65	2.50	2.52	1.30	7.94	3.83	0.83	0.72	35.01
Moran	3.29	1.21	2.80	2.37	1.66	1.74	1.08	0.75	1.01	1.62	0.86	3.13	21.52
Newcastle	0.50	0.37	0.50	0.71	2.45	4.05	4.13	3.51	3.91	1.85	0.50	0.42	22.90
Nine Mile Creek	0.16	0.06	0.48	2.83	3.82	1.79	1.10	2.15	5.22	0.89	0.10	0.15	18.75
Pathfinder	0.47	0.96	0.21	0.47	1.43	0.60	2.57	0.57	5.50	0.61	0.18	0.52	14.09
Pavillion	0.40		0.54	0.70	0.60	2.30	2.30	2.10	4.49	1.60	0.45	0.52	
Pine Bluff	0.08	0.31	0.60	0.78	3.60	4.99	2.11	1.64	1.01	2.67	0.10	0.38	18.27
Pinedale	1.14	0.46	1.07	0.38	1.27							0.51	
Powell	0.01	0.01	0.26	0.68	T.	1.06	0.50	0.45	1.52	0.51	0.14	0.27	5.41
Quaking Aspen Creek	0.08	0.78	2.64	2.38	2.58	0.69	4.37	3.40	6.10	3.43	0.81	0.85	28.11
Rawlins	0.10	0.90	0.66	1.81	1.85	0.48	0.97	0.86	1.72	0.57	0.25	0.85	11.02
Riverton	0.25	0.36	0.58	1.06	2.01	2.16	3.32	0.67	5.72	1.82	0.22	0.26	18.43
Rockypoint	0.38	0.87	1.64	1.52	1.45	2.76	3.63	3.09	6.20	2.15	0.80	0.32	24.81
Sage	0.90	0.16	0.45	1.24	2.26	0.34	0.23	0.24	3.67	4.52	0.30	0.53	14.84
Salt Creek	0.61	0.57	1.54	1.01	1.95	1.32	3.22	0.39	4.75	1.47	0.37	0.58	17.78
Saratoga	0.20	0.79	0.55	1.11	0.84	1.06	2.21	0.97	1.70	0.62	0.20	0.65	10.90
Sheridan	0.57	0.59	1.89	2.47	3.27	2.11	6.37	1.44	8.18	1.72	0.36	0.82	29.79
Sheridan Field Station	0.16	0.47	1.34	2.37	1.81	2.90	3.57	0.85	8.57	2.32	0.40	0.33	25.09
Shoshone Dam	0.00	0.28	0.56	1.52	0.96	0.95	2.15	0.80	4.65	2.68	0.48	1.08	16.11
South Pass City	1.30	0.67	1.10	1.38	0.93	1.89	2.83	1.76	1.63	1.59	0.37	0.58	16.12
Spencer (near)	0.20	1.00	0.19	0.92	2.32	2.81	3.51	1.25	2.60	1.47	0.21	0.76	17.24
Sundance	1.63	1.18	1.43	1.00	2.37	2.90	5.48	3.42	4.34	2.41	0.59	0.50	27.25
Thermopolis	0.79	0.72	0.86	1.55	2.61	1.98	3.31	1.63	7.10	1.16	1.22	0.72	23.65
Torrington	T.	0.19	0.13	2.00	3.28	4.47	1.58	1.16	1.47	2.52	0.40	0.47	17.67
Upton	0.64	0.64	0.40	0.39	1.59	3.15	4.59	2.76	4.24	1.77	0.35	0.33	20.85
Verona	0.28	0.85	1.63	2.50	2.87	2.80	3.80	1.57	8.61	1.80	0.63	0.74	28.08
Wheatland	0.01	0.27	0.83	2.22	4.87	3.84	3.13	0.10	1.74	3.86	0.23	0.55	21.65
Willow Springs Ranger Station	0.68			0.90									
Worland	0.17	0.07	0.18	0.61	1.27	2.00	1.97	0.92	3.84	0.56	0.38	0.18	12.15
Yoder	0.00	0.47	0.84	2.99	4.79	5.92	2.96	2.49	2.50	2.12	0.53	0.86	26.47
Yellowstone Park	1.49	0.59	1.00	1.81	1.71	2.10	0.95	0.70	1.05	1.24	0.48	1.22	14.34
Buffalo Ranch	0.20	0.50	0.95	1.00	2.38	2.43	1.19	0.94	1.91	1.49	0.30	2.30	15.59
Gallatin	0.61	0.35	1.13	1.52	0.70	2.83	2.02	1.85	0.89	1.15	0.59	0.97	14.61
Lake Yellowstone	3.04	1.26	0.65	1.81	2.21		1.52	0.46	1.17	0.94	0.40	2.32	
Riverside	2.81	0.64			2.52	2.10		0.70	1.03	1.19	0.57	2.09	
Snake River	4.15	1.63	4.59	3.37	2.80	1.88	1.63	1.49	0.69	1.84	1.28	3.42	28.77

SNOWFALL, 1923-24

Monthly and seasonal snowfall, 1923–24

NOTE.—Leaders under heading of months indicate no snow; under seasonal, report incomplete; T., a trace; *, no report
[Inches and tenths]

Station	1923				1924					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Alabama										
Anniston						0.1	5.1			5.2
Auburn							3.5			3.5
Birmingham						T.	6.5			6.5
Decatur				1.5		T.	T.			1.5
Evergreen										0.0
Florence				T.		T.	0.2			0.2
Gadsden						T.	3.1			3.1
Greensboro							6.0			6.0
Highland Home							T.			T.
Maple Grove							1.0			1.0
Mobile										0.0
Montgomery					T.	T.	1.4			1.4
St. Bernard					T.	T.	3.7			3.7
Union Springs							T.			T.
Valley Head				1.0		T.	2.0			3.0
Alaska										
Akulurak	0.1	(*)	0.5	(*)	(*)	(*)	(*)	(*)	(*)	
Allakaket	3.2	7.5	0.5	2.5	13.5	10.0	11.0	13.0		61.2
Anchorage	T.		15.8	9.2	5.3	1.0	2.4	8.8		42.5
Annex Creek			10.5	84.1	88.5	78.2	7.0	11.0		279.3
Atka		0.3	4.4	17.1	8.5	10.0	17.5	4.0		61.8
Barrow	3.8	11.6	4.9	5.7	4.7	0.7	(*)	(*)	(*)	(1)
Bethel	T.	0.8	2.7	15.0	8.0	7.0	17.5	16.6	T.	67.6
Broad Pass	30.7		8.2	13.3	26.5	13.0	8.7	68.0		168.4
Cache Creek	9.0	5.7	15.2	11.0	31.5	30.5	30.0	9.0	15.0	156.9
Candle	T.	(*)	2.0	5.0	0.5	(*)	10.0	(*)	(*)	
Chickaloon	(*)	(*)	16.0	6.0	13.0	1.5	9.0	(*)		
Chitina			24.2	11.9	(*)	(*)	(*)	(*)	(*)	
Cordova			0.2	25.7	30.1	18.7	10.2	27.8		112.7
Dillingham	T.	(*)	5.0	(*)	27.0		14.0	15.0		
Eagle	0.8	0.8	10.3	9.2	15.2	6.8	1.5	4.8	3.2	52.6
Fairbanks	2.7	1.0	7.9	3.0	6.8	2.0	0.8	5.5	0.3	30.0
Fortmann Hatchery			1.5	27.5	20.5	17.0	1.0	4.1		71.6
Fort Yukon	(*)	2.0	8.0	0.4	12.8	10.0	1.0		T.	
Geese Islands	T.		T.	2.8	2.6	3.0	(*)	(*)		
Holy Cross	3.0	6.0	14.0	27.0	10.0	9.0	13.5	11.0		93.5
Juneau		T.	4.5	43.6	32.0	36.4	3.3	13.6		133.4
Kake			0.2	13.0	28.6	22.7	0.8	9.0		74.3
Katalla			T.	22.3	15.5	34.9	4.3	21.8		98.8
Kennecott	(*)	T.	25.0	8.0	19.5	9.2	7.7	40.5		
Ketchikan				7.8	13.5	4.5		0.2		26.0
Killisnoo				14.5	34.0	6.5	1.2	0.2		56.4
Kodiak (Radio station)			(*)	8.4	(*)	(*)	(*)	(*)	(*)	
Kodiak (Experiment station)				19.4	7.8	12.5	2.0	4.4		46.1
Latouche			9.0	(*)	(*)	(*)	3.6	32.6		
Matanuska	T.		3.0	10.0	9.2	2.0	1.3	9.1		34.6
McKinley Park	6.5	0.4	5.6	0.5	(*)	(*)	1.3	6.8	0.3	
Nenana	1.2	T.	5.0	2.0	10.0	2.0	2.0	3.0		25.2
Nome	T.	1.0	3.1	20.7	1.2	5.4	8.4	3.5	T.	43.3
Noorvik	2.5	9.0	2.6	7.9	12.0	8.5	10.8	(*)	(*)	
Nulato	0.6	7.1	3.1	11.5	16.7	7.2	10.9	2.7	(*)	
Paxson	(*)	3.0	15.0	6.5	28.0	1.5	(*)	(*)	(*)	
Pilot Station	T.	(*)	3.6	8.5	6.5	5.7	15.5	14.9		
Rampart	2.7	1.4	9.1	3.5	20.4	4.5	3.0	4.0	0.1	48.7

[1] Traces at Barrow, July and August, 1923.

Monthly and seasonal snowfall, 1923–24—Continued

Station	1923				1924					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
***Alaska*—Continued**										
St. Paul Island	0.1		(*)	(*)	(*)	(*)	(*)	(*)	(*)	
Seward			7.0	82.0	12.0	36.0	5.5	19.5		162.0
Shaktoolik	(*)	(*)	3.1	4.7	6.1	(*)	(*)	(*)	(*)	
Shismaref	0.1	6.5	8.3	2.5	3.5	4.0	7.0		(*)	
Sitka			T.	10.0	7.5	12.8	T.	2.5		32.8
Skagway		1.2	9.1	19.1	16.3	6.3	0.5	9.6		62.1
Speel River		T.	17.5	93.2	56.8	55.7	10.3	18.6		252.1
Strawberry Point			1.8	28.8	36.0	12.2	2.9	(*)	(*)	
Strelna			14.0	5.0	10.0	(*)	1.0	4.5		
Talkeetna	18.0	(*)	15.0	7.0	21.0	21.0	22.0	43.0		
Tanana	0.9	T.	3.4	3.9	15.5	5.5	1.8	7.7		38.7
Tunnel	(*)	(*)	(*)	(*)	27.0	127.0	33.0	46.0		
Valdez	T.	3.0	28.0	64.0	115.3	65.0	87.0	(*)	(*)	
Whale Island			T.	15.1	5.3	11.3	1.0	1.9		34.6
White Mountain	1.0	1.6	9.1	18.4	6.4	10.7	28.7	4.5	T.	80.4
Yakutat			4.7	42.0	23.0	28.0	7.0	17.5		122.2
Arizona										
Ajo				T.						T.
Ashfork							11.8			11.8
Baboquivari				2.0	T.		T.			2.0
Benson				12.0			T.			12.0
Bisbee				37.0	T.		2.4	T.		39.4
Bly Ranger Station			0.5	33.0	1.0	1.5	42.0	3.0		81.0
Bowie				4.0			T.			4.0
Buckeye				T.						T.
Canille				2.2	0.5		12.0			14.7
Chin Lee				5.0	T.	T.	T.	T.		5.0
Clifton				14.0		T.				14.0
Cochise				4.0			1.7			5.7
Continental				5.7			T.			5.7
Flagstaff		1.0	4.7	19.2	2.5	0.8	24.8	1.5		54.5
Fort Apache			T.	3.0	1.2		6.5	T.		10.7
Fort Valley			3.0	0.8			(*)			
Globe				10.0			1.0			11.0
Grand Canyon	T.	T.	T.	25.0	2.0	T.	28.4	1.1		56.5
Henry's Camp		(*)	0.8	18.8	2.0	0.5	14.0	0.5		
Holbrook				5.5		T.	6.0	T.		11.5
Indian Oasis										0.0
Jerome				2.0			(*)			
Kayenta				6.0	T.	T.	2.0	T.		8.0
Kingman					1.0					1.0
Lakeside			1.5	14.0	1.0	1.0	40.0	0.5		58.0
Lee's Ferry				0.5	0.5					1.0
Mesa Experiment Farm										0.0
Miami				10.0			T.			10.0
Mohawk										0.0
Natural Bridge				9.0	T.		14.0	T.		23.0
Nogales				3.3	T.		2.0			5.3
Oracle				14.0			19.0			33.0
Paradise				37.0	0.5		4.5			42.0
Payson				7.0	1.0		12.5	T.		20.5
Phoenix										0.0
Pinal Ranch				18.5			15.0			33.5
Pinedale			0.5	10.0		3.0	15.5			29.0
Prescott				7.5	3.0		9.5			20.0
Prescott Dry Farm				4.0	1.8		3.0	T.		8.8
Reno Ranger Station				T.						T.
Sacaton				T.						T.
St. Johns			T.	12.4	6.5	4.5	9.0	T.		32.4
St. Michaels			T.	4.5	3.0	6.0	5.5	T.		19.0
Salome				T.						T.
San Carlos			T.	4.4						4.4
Seligman			T.	7.0	1.0		7.8			15.8
Show Low		T.		7.0	1.0	3.0	19.0	T.		30.0
Snowflake				5.5	4.0	1.6	4.0			15.1
Springerville			7.0	23.0	7.0	4.5	T.	0.5		42.0
Spring Valley Ranger Station			6.0	18.0			21.0	5.2	(*)	

Monthly and seasonal snowfall, 1923–24—Continued

Station	1923				1924					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Arizona—Continued										
Thatcher				10.5						10.5
Tombstone				6.0	0.7		1.0			7.7
Truxton Canyon				(*)	1.0		2.0			
Tuba City	(*)	(*)	(*)	(*)	1.6		0.5			
Tucson							5.0			5.0
University of Arizona				T.			T.			T.
Walnut Grove							1.0		(*)	
Willcox				3.5			(*)			
Williams			2.0	13.0	1.0	T.	26.4	8.5		50.9
Winslow				27.5	0.5		1.0			29.0
Yuma (Weather Bureau)										0.0
Arkansas										
Arkadelphia							5.0			5.0
Batesville					T.	T.	4.0			4.0
Bee Branch					0.5	T.	10.2			10.7
Bentonville			5.1	0.1	4.3	2.0	20.0			31.5
Brinkley						T.	1.7			1.7
Calico Rock					0.2	0.2	5.0			5.4
Camden							3.0			3.0
Clarendon					T.	T.	6.0			6.0
Corning				T.	1.2	0.4	T.			1.6
Dardanelle							5.9			5.9
Dumas				T.	1.0		4.0			5.0
Dutton			T.	T.	2.0	1.0	15.5			18.5
El Dorado							5.0			5.0
Eureka Springs			1.0	T.	2.5	T.	18.0			21.5
Fayetteville			8.0		3.0	2.5	18.2			31.7
Fort Smith			0.1	T.	0.5	T.	2.4			3.0
Georgetown						T.	2.5			2.5
Grannis					0.3	0.3	11.2			11.8
Helena					0.8	T.	2.9			3.7
Hope						T.	5.0			5.0
Jonesboro					T.	T.	0.3			0.3
Little Rock					T.	T.	6.6			6.6
Lutherville			T.		T.		4.0			4.0
Mount Ida						(*)	10.0			
Nail			T.	T.	1.0	1.0	12.0			14.0
Pindall			T.		0.2	T.	11.5			11.7
Pine Bluff					T.	T.	8.0			8.0
Portland						T.	5.5			5.5
Texarkana						T.	3.0			3.0
Waldron				T.	0.6	3.1	10.3			14.0
Wynne					T.	T.	T.			T.
California										
Bishop Creek	T.	7.0	3.0	4.0	T.	10.0	20.0	3.0	T.	47.0
Blue Canyon			2.0	11.0	29.0		37.0	4.0		83.0
Camptonville (near)				3.0	8.0		15.5	2.0		28.5
Canyon Dam				5.0	12.0	0.5	18.0	0.5		36.0
Cascada				12.0	5.0		40.0	5.0		62.0
Cedarville				11.0	5.0		5.5	0.5		22.0
Chester			4.0	12.5	17.5	T.	21.0	T.		55.0
Cliff Camp	7.0	7.0	3.0	33.0	16.0	3.0	74.0	7.0		150.0
Colfax				2.0	8.0		7.0			17.0
Cuyamaca				0.5	2.0		4.0			6.5
Deer Creek				11.0	9.0		22.0	2.0		44.0
De Sabla				1.0	5.0		10.2	T.		16.2
Dinkey Meadow		5.0	1.0	30.0	10.0	1.0	72.0	9.0		128.0
Dobbins (near)					3.5		0.8			4.3
Downieville				5.2	13.5		16.5	1.0		36.2
Dudleys				11.0	3.0		12.5	T.		26.5
Emigrant Gap		2.0	0.0	19.5	8.9		37.0	7.0		74.4
Eureka				T.	T.					T.
Fordyce Dam	9.0	10.0	5.0	56.0	43.0	25.0	61.0	19.0		228.0
Fort Bidwell				5.0	3.0		5.0			13.0
Fresno										0.0

Monthly and seasonal snowfall, 1923–24—Continued

Station	1923				1924					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
California—Continued										
Glennville				2.0			8.0			10.0
Grass Valley				1.5	6.0		13.0	0.5		21.0
Happy Camp				3.0	2.0		(*)	(*)		
Hat Creek				1.4	3.8		10.8	T.		16.0
Hayfork				12.0	10.0		3.0			25.0
Helm Creek	20.0	12.5	7.0	38.0	18.0	13.0	68.0	11.0		187.5
Hetch Hetchy				14.8	8.0		34.5	3.0		60.3
Hot Springs		(*)		(*)	5.0		20.0	(*)		
Hullville (near)				3.5	10.0		T.			13.5
Huntington Lake		13.0	3.5	19.0	19.0	7.0	63.0	17.0		141.5
Independence				0.1			1.3			1.4
Inskip	T.		T.	14.5	15.0		37.0	5.5		72.0
Julian				2.0	2.0		24.0	T.		28.0
Kennett				T.	5.5					5.5
Lake Eleanor				23.5	13.0		48.0	7.0		91.5
Lake Spaulding	T.	2.0	1.0	23.5	15.5		36.3	2.5		80.8
La Porte	T.		2.0	22.0	18.0	T.	25.5	1.8		69.3
Lick Observatory				3.0			(*)			
Los Angeles										0.0
McCloud				21.5	9.5		6.5			37.5
Madeline	2.0	T.	(*)	(*)	6.0	1.0	18.5	4.0		
Markleeville				10.0	3.0	2.0	25.0	2.0		42.0
Mill Creek (Amador County)				9.0	4.0		4.0			17.0
Montague				1.2	3.0	T.	0.8	T.		5.0
Mount Wilson		T.	T.	1.0	1.5	T.	25.4	11.0		38.9
Nevada City				T.	7.0		9.5	0.5		17.0
North Bloomfield				3.0	7.0		12.0	T.		22.0
North Fork				8.0	3.0		7.0			18.0
Placerville				2.0	3.0		0.5			5.5
Point Reyes										0.0
Quincy				5.0	6.0		12.0	T.		23.0
Red Bluff					8.0					8.0
Ruth				11.0	7.0		6.0		(*)	
Sacramento										0.0
San Diego										0.0
San Francisco										0.0
San Jose										0.0
San Luis Obispo										0.0
Seven Oaks				8.0	3.0	T.	59.0	6.0		76.0
Shield's Ranch		T.		9.0	2.0	2.0	10.0	1.0		24.0
Sierraville				10.0	8.0	1.0	27.0	1.0		47.0
Sisson				13.0	4.0		10.0	3.0		30.0
Springville (near)				10.5	3.5		41.0	3.5		58.5
Squirrel Inn				4.0	6.0		32.0	7.0		49.0
Summit	14.0	9.0	4.0	52.0	36.0	24.0	49.0	12.0		200.0
Tahoe	1.0		T.	31.0	11.0	0.5	34.5	9.0		87.0
Tamarack	17.0	13.0	10.5	61.0	37.0	34.0	69.0	27.0	T.	268.5
Twin Lakes		7.0	7.0	35.0	34.0	4.0	54.5	25.5	T.	[2] 167.9
Weaverville				3.0	8.0					11.0
West Branch				4.3	9.5		21.0			34.8
Westwood	1.0		2.0	10.2	9.2	1.2	20.1	1.1		44.8
Yosemite				17.0	4.5		39.3	1.5		62.3
Yreka				1.9	3.4		0.8			6.1
Colorado										
Akron		0.5	3.5	14.0	(*)	(*)	(*)	(*)	(*)	
Ames		13.0	5.5	39.0	12.0	24.5	63.0	(*)	T.	
Auldhurst	4.0	27.0	4.5	16.5	7.0	T.	20.0	13.0	3.0	95.0
Boulder		12.3	2.9	7.4	7.9	2.8	22.5	16.5		72.3
Buena Vista (near)	T.	5.0	2.0	2.8	T.	0.2	17.5	(*)	(*)	
Burlington		T.	3.0	9.0	2.0	16.5	23.0	2.2		55.7
Calhan		7.5	6.0	17.5	4.3	3.0	24.0	5.0	T.	67.3
Canon City		5.5	4.0	8.0	8.0	T.	15.0	9.5	T.	50.0
Cascade		7.0	12.0	35.0	8.0	12.0	70.0	8.0		152.0
Cathedral		3.0	7.0	12.5	7.0	6.5	21.0	T.		57.0
Cheesman	1.0	11.4	3.0	16.5	1.5	T.	8.3	14.7	1.0	57.4

[2] Trace in June, 1924.

Monthly and seasonal snowfall, 1923–24—Continued

Station	1923				1924					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Colorado—Continued										
Cheyenne Wells		(*)	3.0	7.0		6.0	26.5	1.0		
Collbran		(*)	T.	15.5	14.0	(*)	34.0	7.0	T.	
Columbine	0.5	9.0	7.0	22.0	20.0	12.5	35.0	5.0	3.0	[2] 114.0
Columbine Ranch		T.	5.0	23.0	7.0	T.	30.0	T.		65.0
Cope		3.0	3.0	12.0	(*)	14.0	35.0	(*)		
Crested Butte		1.4	0.9	14.0	3.0	7.0	25.0	(*)	2.0	
Cuchara Camps		23.5	28.5	28.0	16.0	13.0	65.7	31.6		206.3
Cumbres	18.0	19.6	16.5	54.0	20.0	17.4	158.8	49.5	3.5	357.3
Delta			(*)	7.0	10.0	0.2	(*)	1.5		
Denver		17.8	2.0	15.3	8.6	4.6	20.3	9.9	0.6	79.1
Dillon		9.5	0.2	15.7	12.8	18.0	35.1	8.5	8.0	107.8
Dolores			(*)	15.0	6.0	(*)	(*)	5.0		
Eads		T.	4.5	6.2	0.4	(*)	35.5			
Elk Creek	5.0	25.0	12.5	25.0	9.0	(*)	14.0	24.0	23.0	
Estes Park Fish Hatchery	6.0	39.0	5.0	16.0	8.0	7.0	38.0	19.0	32.0	170.0
Flagler		1.5	6.0	10.0	2.5	8.0	18.5	3.5		50.0
Fort Collins		9.7	0.5	3.3	7.2	7.0	21.0	4.5		53.2
Fort Lupton		7.5	1.0	5.2	7.8	6.0	29.5	9.0		66.0
Fraser	1.0	25.5	3.0	22.5	19.5	27.5	49.0	14.5	2.0	164.5
Fremont Experiment Station	6.9	33.2	11.2	13.3	9.0	5.9	37.4	35.9	11.5	[3] 165.3
Fruita (near)			(*)	(*)		T.	4.0			
Garfield	6.5	35.5	10.0	18.5	11.0	12.7	61.9	22.0	9.0	[4] 187.1
Garnett		5.0	T.	2.0	3.0	5.5	22.5	(*)		
Glenwood Springs			2.0	9.0	16.0	2.0	(*)	5.0		
Goodpasture		10.9	16.0	25.0	8.5	7.7	26.2	8.0	(*)	
Grand Junction			T.	9.4	3.5	T.	5.4	3.5		21.8
Greeley		2.5	0.2	4.0	3.0	9.5	21.6	7.0		47.8
Grover (near)		1.0		1.0	1.0	10.0	9.5	4.0		26.5
Gunnison		3.0	1.5	8.5	6.2	2.0	25.0	5.0	T.	51.2
Hartsel	T.	31.0	1.0	14.2	T.	2.0	13.5	10.5	T.	72.2
Hawthorne		22.5	10.0	16.5	13.5	7.0	44.0	29.0	1.0	143.5
Hayden		2.0	4.0	10.0	16.0	7.0	23.5	1.0	(*)	
Hermit	0.5	8.0	7.5	11.5	6.0	9.5	22.0	8.0		73.0
Holly		T.	1.5	6.5	T.	(*)	31.8	T.		
Hoyt (near)		T.	2.0	11.0	2.0	5.0	21.2	(*)	(*)	
Huerfano		4.0	9.0	16.0	7.5	7.0	15.5	(*)		
Idaho Springs	T.	29.1	6.0	9.5	5.3	6.6	12.2	20.7	T.	89.4
Ignacio		4.0	(*)	14.0	3.5	(*)	13.0	T.		
Julesburg		4.5	1.5	5.0	3.5	5.5	15.9	2.0	T.	37.9
Kassler		14.8	4.0	18.2	7.2	2.2	23.2	16.0		85.6
La Junta		T.	7.0	1.0	3.5	1.9	15.4	T.		28.8
Lake Moraine		18.0	30.0	17.0	6.0	10.0	34.5	46.0	11.5	173.0
Lamar			4.0	2.0	1.5	1.0	25.0	(*)		
La Porte		4.5	(*)	4.2	9.0	9.0	36.1	11.6		
Las Animas		T.	2.5	2.2	1.5	1.0	23.0	T.		30.2
La Veta Pass	1.0	16.2	26.0	27.0	14.0	20.5	69.0	34.0	0.9	208.6
Lay	(*)	(*)	2.0	24.0	11.0	9.5	39.0	9.0		
Leadville	(*)	(*)	1.9	18.5	14.5	21.2	28.1	(*)	(*)	(*)
Le Roy (near)		1.7	4.2	8.5	3.1	6.5	13.5	7.4		44.9
Limon (near)		2.0	12.0	10.0	2.0	4.5	26.5	4.0		61.0
Long Branch		3.5	5.0	5.0	3.7	4.5	23.5	3.0		48.2
Longmont		15.0	2.0	5.0	8.0	4.0	12.2	9.5		55.7
Longs Peak (near)	6.0	43.0	8.0	17.0	11.0	14.0	50.0	22.0	51.5	222.5
Manassa		(*)	1.0	6.0	5.0	6.0	18.0	(*)		
Meeker (near)		T.	1.0	12.5	6.0	6.0	24.5	2.0		52.0
Mesa Verde Park	T.	T.	3.0	2.0	7.5	3.5	30.0	15.0		61.0
Montrose				28.3	5.0	4.0	8.5	4.5		50.3
Monument		20.0	8.0	14.0	5.5	6.5	20.5	22.0	2.0	98.5
Morrison		(*)	(*)	18.0	6.0	5.0	23.0	14.0		(*)
Palisade Lake	5.5	19.5	8.0	33.5	12.5	12.0	77.0	28.5		196.5
Paonia				15.3	9.0	(*)	21.0			
Peetz		1.0	3.0	4.8	3.0	6.0	29.0	2.0		48.8
Pitkin	2.1	11.0	7.1	14.7	10.7	8.2	38.3	13.8	1.6	107.5
Pueblo		4.5	7.4	3.5	4.3	1.2	12.1	T.		33.0
Rico	1.5	9.0	11.5	30.0	19.0	12.5	56.0	(*)	3.0	(*)

[2] Trace in June, 1924.
[3] Includes June, 1924: Fremont Experiment Station, 1.0.
[4] Traces in July and August, 1923.
[5] Trace in August, 1923.

Monthly and seasonal snowfall, 1923-24—Continued

Station	1923				1924					Seasonal
	Sept.	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Colorado—Continued										
Rifle			0.5	9.0	8.5	2.0	11.0			31.0
Rocky Ford (near)		T.	4.0	1.0	2.0	1.0	13.5	1.0		22.5
Rugh Ranch [6]		38.0	4.5	6.5	6.5	7.0	22.0	(*)	(*)	
Sapinero (near)	1.0	14.0	6.5	25.0	20.0	21.0	72.5	17.0	(*)	
Savage Basin	8.0	14.4	12.8	31.0	15.0	27.0	81.0	(*)	15.0	(2)
Sedgwick		(*)	2.0	9.0	1.0	10.0	21.5	T.		
Shoshone			2.0	15.2	23.0	5.7	54.5	5.0		105.4
Silver Lake	T.	(*)	10.0	27.0	15.0	(*)	78.0	44.0	42.0	
Silverton (near)	T.	7.0	6.5	28.0	14.0	9.3	63.5	5.0		133.3
Simpson (near)		(*)	7.0	11.4	9.0	11.0	23.0	(*)		
Spicer (near)	T.	12.5	5.5	15.5	10.0	2.5	17.0	4.0		67.0
Springfield			6.0	10.0	3.0	6.0	13.0	T.		38.0
Steamboat Springs	T.	6.4	5.3	27.0	33.8	15.2	46.1	12.5	1.0	147.3
Sterling		T.	2.0	8.0	2.4	4.5	11.5	3.0		31.4
Tacoma		6.0	5.2	24.5	9.0	9.0	47.0	4.5		105.2
Telluride		7.0	5.0	21.0	24.0	13.0	55.0	6.0	T.	131.0
Terminal Dam		7.0	4.0	37.0	14.0	8.0	51.0	3.0	(*)	
Trinidad		(*)	4.4	29.0	3.5	2.0	13.5			
Trout Lake		22.0	13.8	35.5	7.1	23.7	63.7	19.5	3.0	188.3
Victor (near)	12.0	13.6	0.2	9.5	0.5	5.7	11.9	8.5	4.5	66.4
Wagon Wheel Gap	8.7	15.1	9.8	13.7	7.6	10.8	29.1	9.3	T.	104.1
Willard		(*)	(*)	9.0	2.0	11.0	16.0	6.0		
Yuma		(*)	3.0	10.0	7.0	9.5	18.5	2.0		
Connecticut										
Bridgeport				1.0	4.0	10.0	1.5	8.0		24.5
Colchester			1.0	7.5	5.0	10.0	9.0	10.0		42.5
Cream Hill			6.0	13.0	9.2	15.0	12.0	15.5		70.7
Hartford			T.	7.1	4.0	2.7	4.2	9.7		27.7
New Haven				7.8	2.9	9.8	3.2	7.8		31.5
New London				5.0	2.0	5.2	2.5	6.0		20.7
Norwalk				5.0	3.0	12.0	3.0	7.0		30.0
Waterbury			T.	5.0	9.0	5.5	12.0	9.0		40.5
Delaware										
Dover				1.5	T.	9.0	2.0	2.5		15.0
Millsboro				2.0	T.	6.0	2.0			10.0
Wilmington				1.5	0.2	12.2	[1.5]	8.0		23.4
District of Columbia										
Washington			T.	1.7	0.5	4.9	9.3	5.0		21.4
Florida [7]										
Georgia										
Albany										0.0
Athens						T.	1.5			1.5
Atlanta						T.	4.0			4.0
Augusta							1.0			1.0
Blue Ridge				0.5	T.	T.	11.5	T.		12.0
Brunswick										0.0
Concord							6.0			6.0
Cornelia				T.		1.5	2.5			4.0
Dahlonega				T.		T.	2.7			2.7
Gainesville						0.2	2.0			2.2
Lisbon							1.0			1.0
Macon							2.0			2.0
Norcross							2.0			2.0
Rome				T.		T.	2.5			2.5
Savannah										0.0
Statesboro										0.0
Thomasville										0.0
Toccoa						1.3	1.1			2.4
Waycross										0.0
West Point							3.0			3.0

[2] Trace in June, 1924.

[6] Name changed from Fry's Ranch.

[7] No snowfall reported in the State this season.

Monthly and seasonal snowfall, 1923–24—Continued

Station	1923				1924					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Idaho										
Aberdeen		T.		2.1	1.3	2.0	4.5	3.0		[2] 12.9
Alpha		2.0	6.0	18.4	13.0	2.0	15.0	2.5	0.5	[3] 60.4
American Falls		T.	T.	9.0	T.	T.	3.5	0.5		13.0
Arco		T.	1.0	5.0	1.0	9.5	10.0			26.5
Argora		2.0	2.0	17.0	3.0	2.0	13.0			39.0
Ashton		1.0	5.5	15.0	17.0	11.0	5.0	1.0		55.5
Avery			6.0	24.0	(*)	4.0	3.0	1.0		(2)
Blackfoot		T.	1.0	8.0	7.5	4.5	5.5	3.0	T.	[2] 29.5
Bliss				9.1	1.9	0.7	1.2			12.9
Bogus Creek				6.7	9.0	2.0	9.5	2.0	T.	[2] 29.2
Boise			T.	4.7	5.5	T.	1.6	T.	T.	11.8
Buhl				5.2	2.9	1.0	3.0			12.1
Burley	T.	1.0	0.2	8.0	5.2	2.2	7.5	1.0		25.1
Caldwell				1.0	5.5		1.0			7.5
Cambridge			1.0	13.5	14.2	1.0	2.5			32.2
Challis		1.5	T.	4.8	1.0	2.0	2.0	T.		[3] 11.8
Chattin's Flat				4.2	0.2	T.	T.			4.4
Coeur d'Alene			0.5	13.2	16.9	T.	3.0			33.6
Council		T.		16.0	5.5	T.				21.5
Cuprum		1.0	1.5	22.5	(*)	4.2	7.0	1.5	1.0	(2)
Driggs	(*)	(*)	8.0	21.5	(*)	4.0	14.0	(*)	(*)	
Elk City		2.5	12.0	31.5	42.5	(*)	(*)	5.0	2.0	(2)
Emmett				0.7	8.0		3.0			11.7
Felt		2.0	0.6	10.0	(*)	(*)	(*)			
Fort Hall		T.	T.	8.0	5.1	2.5	7.7	0.9		[2] 24.2
Geneva	6.0	1.0	8.0	8.0	21.0	6.0	25.0			[3] 78.0
Glenns Ferry			T.	6.5	2.0		3.5			12.0
Gooding			1.0	7.5	5.2	2.5	2.2	T.		18.4
Grace		T.	2.2	8.0	12.8	5.0	21.8	4.0		[2] 53.8
Grangeville			4.0	5.4	15.3	3.2	8.8	1.2		[2] 37.9
Grimes Pass		1.8	5.1	18.3	21.3	8.0	13.8	2.6	T.	[3] 71.7
Hailey		T.	2.0	16.2	0.5	2.8	15.5			[2] 37.0
Hazelton		T.	1.0	8.0	5.7	6.0	4.0	T.		[2] 24.7
Hill City			2.0	17.7	5.7	4.3	6.1	T.		[2] 35.8
Hollister	0.2		T.	7.5	3.4	8.0	2.0			20.7
Idaho City			3.0	13.2	15.9	4.0	4.8	3.0		[2] 43.9
Idaho Falls		1.0	0.5	7.7	2.0	4.3	2.4	0.5	T.	[2] 18.4
Irwin		T.	2.8	7.2	16.0	1.3	7.0	2.0		[2] 36.3
Juniper Buttes			5.5	9.0	1.0	6.0	7.5	4.0	0.1	33.1
Kamiah				2.2	4.1	T.	0.3			6.6
Kellogg			6.5	17.1	16.7	6.2	3.0			[2] 49.5
Kirkham			(*)	19.4	13.0		13.0	T.		
Lapwai				0.5	3.6					4.1
Lewiston				2.2	3.3		T.			5.5
Lifton	T.	3.0	0.5	8.5	4.5	2.2	23.8	2.0	T.	[3] 45.3
Little Camas	T.	2.6	5.0	18.0	9.5	7.7	10.0	1.5	0.5	[3] 55.3
Long Gulch			3.0	9.0	(*)	T.	5.5		1.0	
McCall		4.0	8.0	25.2	14.0	7.5	12.0	2.0	T.	[2] 72.7
Mackay		5.0	1.0	6.0	T.	T.	13.0			[3] 25.5
Malad		1.5	3.0	9.5	10.2	4.3	15.2	3.5		47.2
Meridian			T.	3.2	5.5	T.	0.7	T.		9.4
Monteview		2.0	2.2	1.6	2.6	3.1	3.8	T.		15.3
Moscow		T.	1.7	15.8	16.8	1.0	6.7	T.		42.0
Murphy			T.	4.8	4.0		0.4	T.		9.2
Musselshell			9.0	37.7	37.5	10.5	13.9	1.5		110.1
New Meadows		3.0	7.6	22.2	20.5	8.5	6.2	1.0		[2] 69.0
Nezperce			2.0	10.0	13.0	1.0	1.0			27.0
Oakley		4.0	T.	6.0	T.	6.0	9.0			25.0
Obsidian		9.0	2.7	16.5	6.0	9.6	10.0	2.5		56.3
Orofino				3.6	(*)	(*)				
Parma				0.8	6.7		0.8			8.3
Pine			4.5	23.0	13.0	4.5	8.0	0.5		53.5
Pleasant Valley				12.9	4.4	T.	1.4			18.7
Pocatello		1.5	0.4	3.7	5.8	1.5	13.6	1.5		[3] 29.0
Porthill			4.0	23.0	8.0	3.0	0.5			38.5

[2] Trace in June, 1924.
[3] Includes June, 1924: Alpha, 1.0; Challis, 0.5; Geneva, 3.0; Grimes Pass, 0.8; Lifton, 0.8; Little Camas, 0.5; Mackay, 0.5; Pocatello, 1.0.
[4] 5.5 at Cuprum, June, 1924.

Monthly and seasonal snowfall, 1923–24—Continued

Station	1923				1924					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Idaho—Continued										
Potlatch			2.0	14.5	7.5	2.0	8.0		T.	34.0
Prichard			9.0	37.0	19.0	3.0	5.0	(*)	(*)	
Priest River Experiment Station			5.3	41.6	21.4	5.0	5.0	0.3	T.	[2] 78.6
Pyle Creek			1.7	13.0	14.0	1.5	T.	T.		30.2
Richfield			1.0	6.5	1.0	4.4	9.0	4.0		25.9
Rupert		T.		1.5	(*)	T.	2.0	T.	T.	
St. Maries			1.0	8.8	11.4	3.0	T.			24.2
St. Michael's Monastery		0.3	7.5	24.0	34.2	5.8	2.9	T.	T.	[2] 74.7
Sandpoint			9.0	32.5	16.0	1.0	3.0	T.		61.5
Sheep Hill			4.0	15.4	14.4	2.8	7.2	3.5	1.0	[10] 48.8
Shoshone			1.0	9.5	3.5	3.3	3.0			20.3
Soldier Creek	1.5	T.	4.5	26.3	2.0	5.3	18.8	2.0	T.	60.4
Springfield		T.	1.0	3.8	2.5	3.5	5.8	T.		16.6
Sugar			2.0	12.0	2.5	2.5	1.6	1.0		21.6
Tripod Mountain		1.0	2.0	12.0	12.4	T.	4.5			31.9
Twin Falls		T.	0.2	5.4	4.0	4.0	1.7	T.		[10] 15.4
Wallace			11.0	28.6	17.8	7.5	7.0	T.		[10] 72.9
Warren		7.0	21.0	34.2	33.0	24.0	26.8	19.0	1.0	[10] 167.0
Weiser			T.	8.5	6.5		1.0			16.0
Wendell			0.5	6.8	5.9	1.0	2.5			16.7
Illinois										
Aurora		0.5		1.5	7.5	13.0	13.8	0.2		36.5
Bloomington				T.	5.1	6.5	9.8			21.4
Cairo				0.4	2.0	2.4	2.0	T.		6.8
Charleston				T.	8.4	1.5	10.5	1.6		22.0
Chicago		0.7	T.	1.6	5.7	7.7	11.9	T.	T.	27.6
Decatur				T.	9.2	5.5	13.2	0.5		28.4
Dixon		0.7		5.1	7.3	8.0	6.5	1.6		29.2
Du Quoin				0.5	2.5	4.6	12.0			19.6
Flora				T.	1.0	3.9	12.1	T.		17.0
Freeport		1.0	T.	10.0	6.0	10.5	16.5	1.0		45.0
Galva		0.4		1.1	8.1	10.0	11.0	T.		30.6
Hillsboro				T.	8.6	0.4	7.2			16.2
Kankakee		T.		T.	6.5	4.1	9.4	0.7		20.7
La Harpe				1.5	10.5	13.5	8.8	0.4		34.7
La Salle		0.1		0.4	5.8	10.3	12.7	0.2	T.	29.5
McLeansboro				T.	1.2	3.6	6.3			11.1
Marengo		1.3	T.	3.3	6.8	8.9	6.2	T.	T.	26.5
Mascoutah				0.5	1.5	2.3	14.0	T.		18.3
Mount Carmel				T.	3.2	0.3	3.7	T.		7.2
New Burnside				0.5	3.0	4.3	9.9	T.		17.7
Peoria		T.	T.	0.6	5.0	5.9	7.9	0.4		19.8
Pontiac		T.		0.5	4.4	5.0	6.5	2.0		18.4
Rushville				0.2	4.7	6.8	14.4	T.		26.1
Springfield		T.		0.8	6.6	7.3	8.7	0.2		23.6
Urbana			T.	0.5	8.1	2.9	11.1	T.		22.6
White Hall				T.	6.5	2.5	10.7			19.7
Indiana										
Angola		T.	T.	3.5	6.0	9.5	16.5	3.0		38.5
Bluffton			T.	1.5	7.8	8.1	15.3	2.0		34.7
Butlerville				2.5	3.1	3.9	7.3	0.9		17.7
Cambridge City				1.0	(*)	1.2	8.5	T.		
Evansville				1.0	1.1	2.0	4.6	T.		8.7
Fort Wayne			T.	1.5	8.1	8.7	9.9	6.7		34.9
Indianapolis			T.	1.0	5.1	3.6	16.4	2.0		28.1
Kokomo				(*)	8.0	7.5	17.0	2.0		
Lafayette				1.0	7.5	4.2	19.2	1.0		32.9
Marion				T.	12.5	6.5	17.0			36.0
Mauzy			0.2	3.0	6.6	4.1	11.1	1.0		26.0
Richmond				1.4	5.5	1.8	15.2	0.1		24.0
Royal Center			T.	2.4	7.0	3.6	11.5	1.0		25.5
South Bend			T.	1.0	9.0	7.2	15.3	2.0		34.5
Terre Haute				T.	4.0	2.9	11.3	0.2		18.4
Valparaiso		T.	T.	2.3	10.9	9.5	19.6	1.2		43.5

[2] Trace in June, 1924.

[10] Includes June, 1924: Sheep Hill, 0.5; Twin Falls, 0.1; Wallace, 1.0; Warren, 1.0.

Monthly and seasonal snowfall, 1923–24—Continued

Station	1923				1924					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Iowa										
Afton		1.8	1.5	3.0	3.5	6.1	3.5			19.4
Alta		2.5		7.0	3.0	10.5	16.0	3.0	T.	42.0
Belle Plaine		2.8	1.8	5.3	4.4	14.5	12.2	2.9		43.9
Belmond		0.7	1.0	5.1	6.1	9.3	15.9	2.4	T.	40.5
Centerville		(*)	7.7	0.7	0.4	16.7	2.4			
Charles City		0.2	1.5	9.4	13.2	12.8	14.0	2.0		53.1
Davenport		0.4	T.	0.9	8.7	11.7	6.0	1.0		28.7
Decorah		T.	2.5	8.0	12.0	9.0	25.0			56.5
Denison		4.0		5.5	9.0	5.0	20.0	1.5		45.0
Des Moines		2.5	0.3	6.2	4.5	19.3	7.0	0.3		40.1
Dubuque		1.4	3.0	7.3	4.3	8.6	10.1	0.8		35.5
Forest City		0.2	0.3	2.5	6.5	11.3	17.5			38.3
Guthrie Center		3.0		8.0	10.0	20.0	12.5			53.5
Humboldt		T.	T.	6.0	9.5	7.3	11.0	5.0	T.	38.8
Independence		1.1	4.6	4.2	5.1	8.6	8.0	1.7		33.3
Indianola		3.0	0.5	5.0	5.0	22.6	8.0			44.1
Inwood		2.9	0.1	5.7	4.5	8.5	18.8	0.4	2.8	43.7
Iowa City		2.0	2.0	2.0	5.5	8.5	4.5	1.5		26.0
Iowa Falls		1.0	2.0	8.0	6.5	11.0	18.1	7.0		53.6
Jefferson		3.0	T.	8.5	8.5	11.0	11.0	1.0		43.0
Keokuk		T.	3.7	1.1	9.0	12.0	7.1	T.		32.9
Little Sioux		3.0		5.0	1.5	5.2	11.0		T.	25.7
Marshalltown		2.4	2.0	4.0	5.7	14.3	12.3	5.1		45.8
Mason City		0.2	2.0	9.0	9.2	11.2	14.2	3.0	T.	48.8
Milford (near)		0.2	T.	3.8	2.6	9.5	14.4	2.1	T.	32.6
Mount Ayr		2.5	2.3	2.2	1.5	6.8	2.9	T.	T.	18.2
Mount Pleasant		T.	0.2	1.0	7.8	12.0	2.0	0.5		23.5
Oakland		1.0		T.	10.0	8.0	12.5			31.5
Oskaloosa		2.5	5.9	3.2	6.1	28.1	8.3	T.		54.1
Postville		0.2	3.0	4.9	3.5	10.0	18.5	1.0		41.1
Sioux City		2.9	T.	8.9	1.6	9.7	11.1	0.1	0.5	34.8
Thurman		1.0		2.1	9.5	7.2	(*)		T.	
Waterloo		1.0	2.5	4.5	2.1	9.5	10.5	2.8		32.9
Kansas										
Burlington			6.5	T.	1.5	6.5	9.5			24.0
Colby		T.		7.5	2.0	19.0	18.5	T.		47.0
Columbus			9.5	T.	4.1	5.5	7.8			26.9
Concordia		T.	1.5	0.5	9.2	1.0	20.3			32.5
Dodge City		T.	T.	2.2	2.1	8.7	24.3	T.		37.3
Garden City		(*)	0.2	5.6	0.6	13.0	25.5	T.		
Grenola			4.0	T.	2.0	5.0	13.5			24.5
Horton		T.	1.0	0.2	4.2	4.2	7.0			16.6
Hutchinson			2.5	2.0	4.0	2.0	19.0			29.5
Independence			9.0		4.2	8.0	11.1			32.3
Iola			7.3	T.	3.1	7.3	7.5			25.2
Lakin		T.	1.0	6.0	T.	13.5	46.0	3.0		69.5
Liberal			1.0	3.0	1.0	2.0	32.0			39.0
McPherson			2.0	1.0	4.0	6.5	18.5			32.0
Manhattan			1.0	0.8	3.8	2.8	14.5			22.9
Marion			2.0	1.0		6.0	19.5			28.5
Medicine Lodge			0.5	0.2	1.0	3.0	21.0			25.7
Minneapolis			T.	T.	6.0	1.0	11.5			18.5
Oketo		0.6		0.4	2.6	0.9	11.6		T.	16.1
Phillipsburg		(*)		1.0	4.5	7.0	26.2			
Richfield		T.	4.0	6.0	1.0	1.0	23.0	T.		35.0
St. Francis		0.5	T.	8.0	3.8	8.5	8.6	0.5	T.	29.9
Sedan			12.0		3.3	3.0	15.5			33.8
Topeka			2.0	0.8	5.6	6.1	13.1			27.6
Wakeeney				6.5	6.0	3.5	24.0			40.0
Wellington			1.0	(*)	1.5	1.0	16.6			
Wichita			1.8	0.1	1.2	1.0	15.1			19.2
Kentucky										
Beattyville		T.		0.5	T.	1.0	1.5	T.		3.0
Berea				3.0	1.0	5.2	2.5	0.5		12.2
Blandville				0.4	1.2	3.2	5.2			10.0

Monthly and seasonal snowfall, 1923–24—Continued

Station	1923				1924					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Kentucky—Continued										
Bowling Green				3.0	3.0	T.	T.	T.		6.0
Calhoun				0.5	1.5	1.5	1.5	1.5		6.5
Earlington				1.5	1.5	1.0	T			4.0
Eubank				2.0	T.	T.	1.0			3.0
Frankfort				1.0	1.2	1.5	0.2	T.		3.9
Greensburg				3.0	1.0	0.8	1.2			6.0
Hopkinsville				2.6	3.5	0.5	T.			6.6
Junction City				3.0	0.5	3.5	2.9	T.		9.9
Leitchfield				3.0	1.5	2.0	1.0	T.		7.5
Lexington				2.5	0.7	3.0	2.4	T.		8.6
Louisville				0.5	1.0	1.5	2.0	T.		5.0
Maysville				T.	T.	3.0	1.0			4.0
Mount Sterling				1.5	T.	1.7	2.5	T.		5.7
Owensboro				0.5	2.5	T.	T.	T.		3.0
St. John				3.0	3.0	2.3	T.	4.0		12.3
Scott			T.	3.0	2.0	3.4	6.4	0.8		15.6
Taylorsville				2.0	1.2	1.5	0.8	T.		5.5
Williamsburg				4.0		T.	2.8	T.		6.8
Louisiana										
Amite										0.0
Bastrop							7.0			7.0
Baton Rouge										0.0
Calhoun						T.	3.0			3.0
Franklin										0.0
Grand Cane						T.				T.
Kelly (near)						T.	T.			T.
Lake Charles										0.0
Ludington						T.				T.
Minden					1.0	T.	1.5			2.5
Monroe							3.0			3.0
Natchitoches						1.5				1.5
Newellton						T.	T.			T.
New Orleans										0.0
Plain Dealing						T.	3.8			3.8
Robeline						1.0				1.0
Ruston							3.5			3.5
Shreveport					T.	T.	1.2			1.2
Stables						T.				T.
Maine										
Cornish			1.0	19.0	22.0	21.0	8.2	11.0		82.2
Eastport			1.3	9.4	15.4	8.1	9.3	12.1		55.6
Farmington			T.	23.5	15.5	22.5	5.0	17.0		83.5
Gardiner			0.5	17.5	17.5	24.5	10.5	14.0		84.5
Greenville			T.	18.9	18.5	22.5	13.5	27.2	T.	100.6
Houlton			(*)	(*)	(*)	18.0	18.0	29.0		
Lewiston			T.	14.8	17.2	23.8	6.0	14.5		76.3
Madison			T.	14.5	10.5	22.5	6.8	11.0		65.3
Millinocket			T.	16.8	20.2	19.5	5.8	18.0		80.3
North Bridgton			T.	19.5	13.0	26.0	3.0	10.0		71.5
Orono				19.5	14.0	17.5	3.5	12.0		66.5
Portland			0.6	12.0	25.5	23.2	4.5	7.7		73.5
Presque Isle				10.2	10.0	14.0	15.0	20.0		69.2
Rumford				23.5	19.2	21.2	7.8	19.8		91.5
Van Buren			0.5	12.2	41.5	21.5	20.5	36.5		132.7
Winslow			T.	10.5	10.0	22.5	4.5	14.0		61.5
Woodland		T.	T.	19.0	11.5	13.2	8.0	17.0		68.7
Maryland										
Baltimore				1.7	0.4	10.2	11.6	9.4		33.3
Cecilton				1.0	T.	8.2	2.6	7.0		18.8
Clear Spring (b)			T.	0.6	5.0	18.0	12.8	9.0		45.4
Frederick			T.	1.0	2.3	13.1	13.4	9.8		39.6
Freeland			T.	1.5	1.0	14.7	25.5	10.0		52.7
Grantsville		T.	2.2	8.0	7.7	27.0	29.0	4.5		78.4
Oakland		0.5	4.7	8.0	8.3	15.4	21.5	5.9		64.3

Monthly and seasonal snowfall, 1923–24—Continued

Station	1923				1924					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Maryland—Continued										
Princess Anne				3.0	T.	3.5	1.0			7.5
Ridgely				1.0	T.	7.0	4.0	3.0		15.0
Solomons				0.5	T.	5.0	2.0	0.5		8.0
Westernport			T.	0.8	4.5	18.2	15.0	8.0		46.5
Massachusetts										
Amherst			1.0	9.2	9.5	12.8	2.2	8.0		42.7
Blue Hill			0.3	6.5	10.0	14.7	15.1	7.0		53.6
Boston			T.	3.0	8.5	10.4	7.4	3.0		32.3
Clinton			T.	8.4	10.5	14.8	18.8	10.0		62.5
Concord			T.	5.5	8.1	13.5	8.8	8.1		44.0
Fall River				4.8	5.0	7.5	16.5	3.0		36.8
Fitchburg			0.2	8.0	13.0	16.0	12.5	10.0		59.7
Framingham			0.5	7.5	9.5	15.5	12.5	7.0		52.5
Lawrence			0.1	5.5	18.5	15.2	7.2	6.0		52.5
Nantucket				5.8	0.3	3.6	7.6			17.3
Plymouth			T.	6.5	11.0	10.0	10.5	1.5		39.5
Provincetown					1.0	4.0	2.0	1.0		8.0
Rockport				0.5	9.0	8.8	3.5	8.0		29.8
Rutland			1.5	(*)	6.8	(*)	7.0	3.0		
Williamstown			8.7	8.6	13.7	20.8	1.7	17.0		70.5
Worcester			T.	8.0	11.9	19.1	17.2	9.3		65.5
Michigan										
Adrian				1.8	6.5	13.5	4.5	1.5		27.8
Alma		2.0	T.	8.0	8.9	23.0	6.0	3.5	T.	51.4
Alpena	T.	0.3	0.3	10.1	17.3	18.8	9.3	4.3	T.	60.4
Ann Arbor		T.	T.	1.4	7.5	14.1	5.9	7.1	T.	36.0
Battle Creek		T.	T.	3.0	7.0	10.0	9.0	1.0	T.	30.0
Bergland		3.2	7.9	16.3	28.9	24.6	25.0	7.7	2.0	115.6
Cadillac	T.	0.4	3.5	6.5	16.2	24.5	8.5	0.5	T.	60.1
Calumet	T.	8.2	6.0	25.0	45.0	11.0	5.0	3.5	T.	103.7
Croton		T.	1.0	2.5	17.5	10.5	7.0	1.0	T.	39.5
Detroit			0.3	5.5	10.1	13.5	7.5	0.8		37.7
Eagle Harbor		T.	1.0	9.0	15.2	3.8	3.5	1.0	T.	33.5
East Tawas	0.2	3.5		3.0	12.0	14.5	15.2	6.0	T.	54.4
Eloise			T.	0.5	8.5	8.5	3.5	2.0		23.0
Escanaba	T.	T.	0.6	5.7	22.9	10.6	13.3	6.6	T.	59.7
Ewen	T.	4.0	9.0	13.5	20.5	16.7	12.5	7.5	1.0	84.7
Fife Lake (near)	T.	0.5	1.0	10.0	17.5	15.0	7.5	1.0	T.	52.5
Flint (No. 1)		0.5	T.	5.0	5.0	17.0	2.2	4.5	T.	34.2
Frankfort		0.3	1.7	9.2	23.1	19.1	8.4	4.0		65.8
Grand Haven		0.6	0.6	6.1	24.9	15.5	9.6	0.4		57.7
Grand Marais		0.5	0.2	31.9	57.3	17.8	15.0	6.5	0.9	130.1
Grand Rapids		1.5	0.8	9.0	18.5	9.0	8.7	4.0	T.	51.5
Grayling	T.	1.0	0.5	7.0	23.0	23.0	11.0	3.0	T.	68.5
Greenville		0.1	1.0	9.0	12.1	14.0	5.0	2.0	T.	43.2
Harbor Beach		T.	T.	1.8	7.0	15.5	3.5	1.0	T.	28.8
Hart		0.3	1.0	7.0	23.1	22.0	9.0	2.0	T.	64.4
Hillsdale			T.	3.5	12.2	13.5	12.7	4.7	T.	46.6
Houghton	0.5	7.6	8.9	13.6	39.0	7.1	9.0	4.3	0.4	90.4
Houghton Lake		1.5	1.2	9.6	13.0	20.5	10.0	5.2	T.	61.0
Howell		0.3		5.5	6.9	15.7	3.4	5.0	T.	36.8
Humboldt	1.0	1.0	5.5	10.6	19.0	22.0	25.5	9.0	1.5	95.1
Iron Mountain		T.	2.0	8.0	8.0	8.0	9.0	4.0	T.	39.0
Ironwood	T.	6.0	6.5	10.0	13.0	12.0	26.0	10.0	2.0	85.5
Ishpeming	T.	T.	2.5	10.0	20.5	23.0	25.5	2.0	T.	83.5
Jackson (No. 1)		0.5		7.3	15.5	21.0	13.2	6.0	T.	63.5
Kalamazoo (No. 1)		T.		3.3	21.7	24.0	17.0	2.0	T.	68.0
Lansing		1.4	T.	8.2	9.3	15.6	9.8	4.0	T.	48.3
Ludington		0.3	1.7	6.0	19.7	24.2	12.9	2.5	T.	67.3
Luther		T.	3.5	6.1	18.6	21.8	10.4	5.0	T.	65.4
Mackinaw	T.	0.6	T.	6.5	28.5	20.0	11.5	1.0		68.1
Mancelona		0.5	1.1	9.0	31.5	13.0	9.0	3.0	T.	67.1
Marquette	0.2	2.0	1.5	13.8	36.9	21.8	28.0	5.3	0.6	110.1
Menominee			T.	5.5	18.5	16.0	18.0	T.		58.0

Monthly and seasonal snowfall, 1923–24—Continued

Station	1923				1924					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan	Feb.	Mar.	Apr.	May	
***Michigan*—Continued**										
Millington		1.0		4.5	8.0	13.5	5.3	3.3	T.	35.6
Mio	0.2	1.0	T.	9.0	23.2	25.5	15.2	1.5	2.0	77.6
Munising	T.	4.4	3.1	19.0	46.8	19.1	17.5	4.9	T.	114.8
Muskegon		1.0	1.5	3.5	42.1	21.1	10.0	1.0	T.	80.2
Newberry	T.	2.0	0.2	10.7	42.0	21.5	15.4	5.1	T.	96.9
Old Mission		T.	0.3	4.0	14.1	10.5	7.0	2.0		37.9
Omer		1.0	T.	3.0	13.0	18.0	16.0	5.5	T.	56.5
Onaway (near)	T.	1.0	0.5	13.5	31.0	30.5	14.0	6.0	0.5	97.0
Port Huron		T.	T.	6.4	9.5	20.5	3.2	3.5	T.	43.1
Roscommon	1.6	2.0	0.9	9.5	12.2	19.5	11.0	3.0		59.7
Saginaw (Weather Bureau)		0.2	T.	2.7	7.2	17.7	2.8	1.3	T.	31.9
St. James	T.	T.	2.0	7.0	15.0	12.0	11.0	T.	T.	47.0
St. Joseph				1.0	16.0	24.6	13.5	1.0		56.1
Sault Ste. Marie	0.3	4.7	2.4	16.9	28.3	10.6	8.9	4.9	1.1	78.1
Sidnaw	2.0	3.5	4.2	8.4	8.4	12.0	8.2	2.5	1.0	50.2
Victoria	1.0	7.5	6.0	13.0	51.0	31.0	10.0	9.0	2.0	130.5
Webber Dam		T.	T.	4.5	7.5	4.7	1.3	0.5		18.5
Whitefish Point	T.	6.0	0.4	24.3	39.0	6.0	16.7	9.7	T.	102.1
Ypsilanti				1.8	4.2	10.5	7.3	4.0		27.8
Minnesota										
Albert Lea	T.	T.	T.	9.0	4.0	8.0	13.0		T.	34.0
Alexandria		T.	7.0	2.0		2.0	14.0	2.0	(*)	
Argyle		0.8	0.2	4.0	7.4	3.0	4.0	4.5	7.0	30.9
Baudette		0.5	2.0	6.0	14.1	6.5	14.2	3.8	(*)	
Beardsley			4.0	2.0	4.0	7.0	17.5			34.5
Bird Island		T.	2.5	3.0	2.7	4.6	17.4	T.	T.	30.2
Campbell		T.	4.5	2.0	2.0	4.5	5.0	1.0	0.5	19.5
Collegeville		T.	4.8	0.4	1.5	1.3	16.5	3.0	T.	27.5
Detroit		T.	T.	10.0	6.0	6.0	10.0	8.0	T.	40.0
Duluth	T.	T.	3.3	7.5	2.3	7.9	4.1	9.0	5.7	39.8
Fairmont		0.2		3.5	3.2	9.2	18.5	1.0	2.0	37.6
Fort Ripley		(*)	3.0	4.0	3.5	4.0	11.0	3.3	0.5	
Gonvick (near)		T.	T.	3.4	9.5	0.8	5.0	3.5	11.0	33.2
Grand Marais	(*)	T.	4.5	12.5	13.5	18.0	8.0	11.0	(*)	
Grand Meadow		T.	0.5	6.5	3.3	8.5	20.5			39.3
Grand Rapids	T.	T.	2.0	8.0	6.9	5.9	2.6	2.5	2.0	29.9
Hallock		1.0	T.	0.5	7.0	1.5	4.0	0.5	T.	14.5
Itasca State Park		0.5	0.5	12.0	3.0	8.0	4.5	8.0	6.2	42.7
Leech Lake Dam		T.	3.1	6.6	5.3	5.1	1.2	4.4	2.9	28.6
Lynd		T.	T.	6.0	1.0	7.0	12.0	2.0	T.	28.0
Mapleplain		0.2	2.2	3.0	6.9	7.5	23.5	3.0	0.6	46.9
Meadowlands		(*)	3.5	5.5	1.6	4.7	(*)	0.5	0.5	
Minneapolis (Weather Bureau)		T.	1.4	2.7	7.7	5.5	12.6	2.0	0.5	32.4
Montevideo		T.	2.0	3.5	2.5	4.0	10.0	T.		22.0
Moorhead		0.2	1.3	4.6	1.8	3.2	1.4	2.1	0.7	15.3
Mora		T.	2.0	2.0	2.2	5.0	7.2	4.8	4.0	27.2
Morris			4.0	1.0	2.0	3.7	13.0			23.7
New London		T.	5.0	2.0	2.0	2.0	15.8			26.8
Park Rapids		T.	1.5	4.7	2.0	2.9	3.8	8.1	9.2	32.2
Pine River Dam		(*)	2.0	4.2	2.2	3.8	1.0	5.8	(*)	
Pipestone			T.	2.5	1.7	7.5	17.3	2.0		31.0
Red Lake		T.	1.0	4.3	2.0	1.3	4.0	2.3		14.9
Roseau	T.	T.	T.	2.5	8.5	2.5	5.0	5.0	(*)	
St. Paul		T.	1.2	4.5	10.3	6.0	19.1	1.3	T.	42.4
St. Peter		T.	0.5	4.1	4.6	5.9	10.4		0.5	26.0
Sandy Lake Dam		T.	3.0	6.0	2.0	5.0	1.0	9.0	(*)	
Thief River Falls	T.	0.1	0.2	3.4	4.9	2.7	2.6	2.1	1.8	17.8
Two Harbors	T.	T.	6.0	8.0	5.2	7.5	2.0	2.5	8.0	39.2
Virginia	T.	0.6	3.5	5.0	6.0	6.0	5.2	0.5	T.	26.8
Waskish		1.0	(*)	7.5	7.0	1.0	8.5	1.5	(*)	
Winnibigoshish		0.5	2.5	8.8	3.4	5.7	1.4	1.0	1.8	25.1
Winona			1.5	12.0	7.0	8.8	13.6	T.	T.	42.9
Worthington			0.2	4.0	5.5	6.1	16.5	2.0		34.3
Zumbrota			T.	13.0	3.5	3.0	11.5	0.5	(*)	

Monthly and seasonal snowfall, 1923–24—Continued

Station	1923				1924					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Mississippi										
Aberdeen				T.		T.	3.0			3.0
Agricultural College							T.			T.
Anguilla						T.	8.0			8.0
Austin				T.	1.0		2.0			3.0
Batesville					0.2		4.0			4.2
Bay St. Louis										0.0
Booneville				1.0		T.	T.			1.0
Brookhaven						T.				T.
Canton										0.0
Columbus						T.	6.0			6.0
Corinth				0.5	T.	T.	T.			0.5
Duck Hill				T.	T.	T.	T.			T.
Fulton				T.		T.	1.5			1.5
Greenwood							3.0			3.0
Hattiesburg										0.0
Hernando				2.0	1.0	T.	0.4			3.4
Hickory							3.0			3.0
Holly Bluff						T.	6.0			6.0
Holly Springs				0.5	2.0	T.	2.0			4.5
Jackson							T.			T.
Kosciusko						T.	11.0			11.0
Macon						T.	8.0			8.0
Magnolia					T.					T.
Meridian						T.	2.0			2.0
Moorhead				(*)		T.	5.0			
Natchez						T.	T.			T.
Okolona							2.0			2.0
Pontotoc					0.2	T.	5.0			5.2
Rosedale				T.	T.	T.	5.0			5.0
Swan Lake				T.	T.	T.	2.0			2.0
Tupelo				1.0	T.	2.0	10.6			13.6
University				T.	T.	T.	6.0			6.0
Utica							0.5			0.5
Vicksburg				T.		T.	2.0			2.0
Water Valley				T.	T.	T.	4.0			4.0
Waynesboro							T.			T.
Woodville										0.0
Yazoo City						T.	8.0			8.0
Missouri										
Appleton City			5.8	T.	5.0	7.2	4.5			22.5
Arcadia				0.9	2.5	5.5	16.1	T.		25.0
Bethany		0.5	5.0	1.8	3.0	12.0	5.5	T.	0.1	27.9
Caruthersville				T.	T.	2.0	T.			2.0
Clinton			7.0	T.	8.0	10.0	9.0			34.0
Columbia			0.8	0.3	10.3	10.3	8.9	T.		30.6
Doniphan					3.5	T.	9.0			12.5
Eldon			2.0	T.	7.6	11.0	16.4			37.0
Gano				3.0	5.6	6.2	18.0			32.8
Grant City		3.0	1.8	1.0	3.0	13.5	4.0			26.3
Hannibal			1.2	0.6	6.0	8.6	11.2	T.		27.6
Harrisonville			7.0	T.	6.0	9.5	8.0			30.5
Hermann				1.5	4.8	3.6	14.5	T.		24.4
Hollister					2.0	1.0	17.0			20.0
Jackson				0.2	2.0	7.5	14.0			23.7
Kansas City		T.	9.1	0.6	6.4	10.6	10.4			37.1
Kidder			8.0	1.0	2.5	10.5	6.7			28.7
Kirksville		T.	8.5		7.3	13.0	7.0			35.8
Koshkonong					6.0	T.	19.0			25.0
Lebanon			T.	T.	4.6	6.5	8.0			19.1
Lexington			7.5	0.2	10.5	10.7	8.3			37.2
Macon			0.3	T.	5.7	14.3	8.4	T.		28.7
Marshall			2.5	T.	13.5	16.0	8.0			40.0
Maryville		1.0	0.5	2.0	2.0	12.7	3.2			21.4
Mexico		T.	0.2	0.5	7.7	11.0	12.8	0.2		32.4
Neosho				T.	3.5	5.0	8.0			16.5
Nevada			7.5		4.7	5.0	9.5			26.7
Poplar Bluff				T.	2.9	1.5	4.0			8.4

Monthly and seasonal snowfall, 1923–24—Continued

Station	1923				1924					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
***Missouri*—Continued**										
Rolla				2.0	6.5	9.2	14.5			32.2
St. Catharine			8.0	1.0	9.0	14.5	13.0			45.5
St. Charles				4.0	7.0	1.5	10.5			23.0
St. Joseph		T.	2.3	1.2	3.3	11.4	10.1			28.3
St. Louis (Weather Bureau)			T.	0.7	3.9	2.3	15.8			22.7
Springfield			2.6	T.	3.3	4.6	10.1			20.6
Tarkio		1.5		3.5	4.0	10.0	8.5			27.5
Unionville		1.0	11.0	2.0	7.0	11.5	7.0			39.5
Warsaw			7.0	T.	16.5	13.0	8.0			44.5
Montana										
Adel		10.0	14.0	15.0	30.0	11.0	105.0	11.0	4.0	[11] 207.0
Agricultural College			2.5	11.0	22.0	8.8	(*)	(*)	(*)	
Anaconda		3.1	2.0	6.1	7.1	6.2	22.7	8.8	0.5	56.5
Augusta		4.0	2.0	10.5	10.0	6.0	31.0	4.5		68.0
Ballantine		0.2	T.	4.5	5.3	1.8	20.1	0.3		32.2
Belton		T.	(*)	43.5	29.5	2.0	(*)	T.		([12])
Biddle		1.0	T.	2.5	15.0	25.0	21.0	5.0	T.	69.5
Big Ox			4.0	11.0	11.0	5.0	20.0	3.0	1.0	55.0
Big Timber		1.0	1.0	13.0	(*)	(*)	22.5	T.		
Billings		2.0	T.	7.5	6.8	4.5	16.2			37.0
Brenner		13.3	7.9	17.3	8.4	5.5	31.3	5.3	0.5	[2] 89.5
Bridger		0.5	1.5	7.0	7.2	4.0	25.5	6.0		51.7
Broadus				4.0	9.5	6.0	3.5			23.0
Browning	T.	T.	4.0	12.5	5.0	2.1	14.0	T.		[11] 38.6
Busby		1.0	T.	4.0	8.8	7.0	15.5	2.0	T.	38.3
Busteed		7.0	1.0	7.8	8.3	2.7	20.3	2.0		49.1
Butte		1.0	3.2	9.0	8.5	9.7	16.2	2.9	6.0	[2] 56.5
Carter			5.0	13.0	6.0	2.0	(*)			
Cascade		3.0	2.6	6.3	9.5	2.9	21.7	T.		[11] 47.0
Choteau		T.	1.5	8.3	5.1	(*)	(*)			
Columbia Falls			4.1	11.7	28.0	2.0	5.5	0.5		[11] 65.8
Conrad			1.0	13.0	9.0	2.0	13.0	(*)		
Copper		1.0	3.0	12.5	10.5	6.0	24.6	21.0	T.	78.6
Crow Agency		4.0	0.5	6.0	7.0	5.0	34.0	4.0		60.5
Culbertson (near)		T.	T.	0.6	1.0	1.0	3.0	1.5	2.0	9.1
Cut Bank			4.5	11.5	8.0	7.0	9.0	7.5		47.5
Dayton			(*)	11.5	11.0		(*)			
Deer Lodge			(*)	(*)	4.5	4.4	T.			
Denton		T.	4.0	8.5	11.5	5.0	26.0	6.0	T.	61.0
Dillon		9.0	3.0	5.0	6.8	3.0	28.5	5.0	2.0	62.3
Dunkirk	T.	T.	1.5	8.0	4.0	2.0	4.2	1.0	0.5	21.2
East Anaconda		3.2	2.0	7.9	7.2	8.7	21.4	6.6	0.4	[2] 57.4
Findon		T.	1.4	16.3	16.8	1.3	20.6	10.6	4.0	[11] 71.2
Flathead Creek		5.0	4.5	10.0	8.0	4.5	12.5	T.	6.0	50.5
Flatwillow		T.	1.2	9.0	7.2	6.8	19.1	T.	2.0	[2] 45.3
Fortine		T.	T.	17.0	18.5	2.0	(*)	1.0		([12])
Fort Shaw		T.	3.0	5.0	(*)	3.0	(*)			
Frazer	(*)		T.	2.3	4.2	8.0	10.4	2.0	T.	
Garland		T.	0.2	3.4	7.2	5.3	4.0	T.	0.2	20.3
Geraldine		0.2	1.8	14.2	8.7	3.0	12.5	6.0	0.5	46.9
Glasgow		T.	T.	0.1	3.0	4.1	2.1	T.	T.	9.3
Goldbutte		T.	3.0	7.5	4.2	1.5	8.5	0.5	T.	25.2
Great Falls		0.3	2.5	8.0	5.8	6.6	6.7	1.0		30.9
Harlem	(*)	(*)	(*)	4.6	6.7	5.2	14.7	2.4		
Haugan		T.	12.4	43.2	12.6	5.3	5.4			[11] 79.9
Havre		T.	1.6	6.7	4.8	4.3	10.1	1.4	T.	28.9
Hays		0.2	(*)	(*)	7.5	12.0	18.9	7.2	T.	
Hebgen Dam		11.0	11.0	32.5	26.0	24.0	31.0	10.5	2.0	[11] 150.0
Helena		0.2	3.2	5.7	6.5	7.3	15.4	2.1	1.0	41.4
Hercules Ranch		T.	1.1	5.0	7.7	6.2	4.8	(*)	(*)	
Heron			(*)	47.0	25.0	1.5	4.2			
Highwood	T.	0.5	7.5	9.5	18.0	11.0	38.5	11.0	T.	[11] 103.0
Hobson		T.	2.0	9.2	11.5	7.2	23.5	5.0	T.	[2] 58.4

[2] Trace in June, 1924.
[11] Includes June, 1924: Adel, 7.0; Browning, 1.0; Cascade, 1.0; Columbia Falls, 14.0; Findon, 0.2; Haugan, 1.0; Hebgen Dam, 2.0; Highwood, 7.0.
[12] In June, 1924: Belton, 6.0; Fortine, 3.0.

Monthly and seasonal snowfall, 1923–24—Continued

Station	1923				1924					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Montana—Continued										
Holter		2.0	3.0	6.0	7.0	2.0	25.0			45.0
Kalispell			1.3	13.9	8.5	2.1	4.5	0.1		30.4
Kenilworth	(*)		0.8	2.0	2.0	3.0	T.			
Kinread			4.5	10.0	3.0	2.5	5.5		T.	[2] 25.5
Knowlton			3.0	6.0	5.0	8.0	16.5	6.0	1.0	45.5
Lewistown			(*)	(*)	(*)	10.2	26.4	(*)	(*)	
Libby			4.0	29.0	4.0	1.0	1.0	T.		39.0
Livingston		T.	T.	7.0	8.0	7.0	15.0			37.0
Lothair	(*)		2.5	5.5	4.8	2.3	3.9	T.	T.	(3)
Lustre		(*)	1.5	(*)	(*)	5.7	7.5	13.9	4.0	
Lytle		T.	4.0	10.5	4.0	4.5	11.0	0.5	T.	[2] 34.5
Malta		(*)	0.4	2.2	4.4	2.8	7.0	0.7		
Medicine Lake		T.	1.0	T.	1.0	4.0	9.0	1.0		16.0
Mildred		T.	T.	2.5	4.0	5.1	3.0	T.	T.	14.6
Miles City		T.	1.4	4.3	4.6	6.7	9.8	0.7	T.	27.5
Minneota	(*)	(*)	1.5	7.8	4.4	1.5	10.0	T.		
Missoula		T.	2.9	7.7	12.4	(*)	19.2	0.5		
Norris		9.0	8.0	8.2	8.3	8.7	38.0	11.0	10.0	101.2
Outlook			2.5	1.8	1.0	(*)	8.8	8.0	6.0	
Ovando		2.0	4.7	14.0	8.2	(*)	11.8			
Paxton			T.	1.0	2.5	2.7	2.9	T.	T.	9.1
Philipsburg		1.0	1.5	7.2	10.5	10.5	29.0	5.0	3.0	[2] 67.7
Pine Grove		T.	2.5	1.6	21.0	5.0	52.0	2.0	7.0	91.1
Pipestone Dam		2.0	3.7	3.2	10.3	12.7	22.8	T.	T.	[2] 54.7
Plains			3.5	(*)	(*)	(*)	(*)			(13)
Pleasant Valley			(*)	10.5	26.0		15.5			(13)
Plevna		0.6	3.6	5.9	2.7	6.4	12.6	8.4	0.5	40.7
Poplar	(*)		0.2	(*)	(*)	(*)	(*)	(*)	(*)	
Red Lodge		23.0	5.0	14.0	16.0	10.0	62.0	10.0	0.5	[2] 140.5
Renova		2.0	1.0	0.5	3.8	3.0	11.1		T.	21.4
Rock Springs (6 miles east)		T.	2.8	5.0	6.3	7.3	14.8	6.7	1.0	43.9
St. Ignatius		1.2	2.2	6.5	9.8	2.0	6.0	1.5		[2] 29.2
Savage				1.0		2.7	5.0	T.	T.	8.7
Scobey		T.	(*)	4.0	1.5	(*)	9.0	10.0	3.0	
Sentinel Butte Pass		T.	T.	1.7	6.9	3.5	7.2	(*)	4.0	
Snowbelt			2.0	4.6	5.3	5.4	18.6	0.3	2.0	38.2
Springbrook		0.5	0.5	1.7	5.0	3.2	23.0	T.	T.	33.9
Stevensville			T.	4.5	2.0		6.5			13.0
Sunset Orchard			2.0	3.0	T.	T.	16.5	1.0		22.5
Superior		0.5	1.3	(*)	(*)		(*)			
Thompson Falls			(*)	(*)	(*)	3.0	2.0			(13)
Trout Creek			7.0	(*)	14.7	2.0	4.7			
Upper Yaak River			2.0	26.9	10.3		3.0	0.5		[14] 43.2
Utica		3.5	2.0	5.0	10.2	5.8	22.0	5.3	T.	[2] 53.8
Valier		T.	1.8	14.5	7.9	2.0	13.5	3.9	T.	[14] 45.6
Victor			1.5	7.0	1.0	1.0	7.4	2.5		20.4
Virginia City		0.5	6.5	17.0	11.0	9.0	27.0	11.0	10.0	[2] 92.0
Wheaton		T.	1.0	8.0	5.0	4.0	17.5	3.0	3.0	41.5
White Sulphur Springs		T.	(*)	6.5	10.0	1.0	17.0	2.0		(2)
White Water		T.	0.5	0.9	5.0	3.0	9.5	4.5	6.0	29.4
Wibaux		T.	T.	1.8	3.0	(*)	4.0			
Winifred			3.5	8.0	3.5	5.5	9.0	4.0		33.5
Nebraska										
Ainsworth		11.5		6.0	6.0	16.0	15.5	T.		55.0
Albion		4.0		3.0	T.	9.0	17.0		T.	33.0
Auburn		1.0		5.0	4.5	8.0	12.5			31.0
Beatrice		T.		2.0	11.0	4.0	13.0			30.0
Beaver City		T.		T.	3.5	2.0	19.0			24.5
Broken Bow		4.0		3.0	2.0	5.5	12.5			27.0
Central City		4.0		9.0	2.5	6.5	15.7		T.	37.7
Chadron		12.0	T.	5.4	0.8	14.4	8.0	2.5	T.	43.1
Columbus		3.0		4.0	2.5	5.5	10.0	T.	T.	25.9
Culbertson		T.		5.0	4.0	9.0	22.4	T.		40.4
Curtis		3.0		3.0	3.0	5.0	17			31.0

[2] Trace in June, 1924.
[13] In June, 1924: Plains, 1.0; Pleasant Valley, 2.0; Thompson Falls, 2.0.
[14] Includes June, 1924: Upper Yaak River, 0.5; Valier, 2.0.

Monthly and seasonal snowfall, 1923–24—Continued

Station	1923				1924					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Nebraska—Continued										
Drexel		3.5	T.	6.5	3.9	9.7	10.2		T.	33.8
Dumas		9.0		2.0	1.2	6.0	12.0			30.2
Geneva		1.2		4.0	7.0	4.5	15.2	T.	T.	31.9
Gordon		7.3	T.	6.2	4.5	11.5	22.0	3.0	T.	54.5
Gosper		4.0		1.5	1.5	2.5	10.0			19.5
Halsey		7.3		3.0	4.8	4.2	10.7			30.0
Hartington		3.0		8.0	2.5	8.5	8.5		T.	30.5
Hay Springs		8.0	T.	7.5	6.5	19.3	25.0	6.0	2.0	74.3
Hebron		T.		2.0	8.0		16.5			26.5
Holdrege		3.0		2.0	3.0	3.0	20.0		T.	31.0
Imperial		2.5	0.5	10.0	5.7	9.0	19.5	1.5	T.	48.7
Kimball		9.0	2.0	4.5	4.0	5.0	14.0	5.0		43.5
Lincoln		0.5		2.5	5.2	7.1	9.2		T.	24.5
Minden		2.0		0.9	3.0	2.3	17.2			25.4
Nenzel		6.8		6.5	9.7	11.8	18.7	2.0		55.5
North Loup		4.0		3.5	7.5	6.8	13.2	T.	T.	35.0
North Platte		1.3	T.	4.3	1.0	2.7	17.7	T.		27.0
Oakdale		5.0		5.5	1.5	8.6	14.6		T.	35.2
Omaha		2.8	T.	5.9	5.5	9.6	10.5		T.	34.3
O'Neill		10.0		5.0	T.	14.0	17.5		T.	46.5
Oshkosh		7.0	3.0	6.0	3.5	5.0	16.0	1.0	T.	41.5
Pawnee City		0.5		1.5	4.3	2.5	7.5			16.3
Ravenna		4.0		3.5	4.3	3.7	11.1		T.	26.6
Scottsbluff		6.2	T.	5.6	2.1	3.9	13.5	3.6	T.	34.9
Stanton		5.0		5.0	2.0	18.0	15.5	T.	T.	45.5
Valentine		7.2		7.5	4.5	7.3	19.0	1.6	T.	47.1
Wakefield		4.5		7.0	T.	10.0	9.5		T.	31.0
West Point		8.0		11.0	13.0	13.0	20.0			65.0
Nevada										
Alamo					4.0		1.5			5.5
Arthur	8.7	2.8	2.8	8.6	6.8	9.2	24.0	7.6		70.5
Austin	(*)		2.8	23.0	15.0	2.0	27.5	5.0		
Battle Mountain	T.			15.0	(*)	(*)	4.5	2.5		
Beatty			0.5	1.0			2.3			3.8
Beowawe			T.	(*)	6.0	(*)	2.0	1.0		
Carson City			(*)	1.0	3.5	T.	3.0			
Clover Valley	T.			(*)	8.0		(*)			
Elko			T.	7.5	6.0	T.	6.0			19.5
Eureka	2.5	1.0	5.7	18.0	9.5	7.0	26.5	13.1		83.3
Fallon				(*)	6.5					
Gerlach				6.0	0.8					6.8
Golconda	(*)			8.5	1.0		3.0			
Gold Creek	8.5	T.	4.5	21.2	17.5	4.2	7.0	T.	T.	[15] 63.4
Goldfield		T.	0.5	2.5	1.5			1.5		6.0
Hylton	T.		T.	9.0	7.0	4.8	20.0	3.0		43.8
Imlay				4.0	1.5		1.2			6.7
Jungo				3.0	T.	1.2	1.5			5.7
Lahontan				3.1	6.0		0.9	0.3		10.3
Lamoille	(*)		(*)	23.8	3.0	13.0	30.3	10.5		
Las Vegas										0.0
Logandale										0.0
McGill	0.4	4.4		10.0	3.1	T.	12.5	7.4	T.	37.8
Mahoney Ranger Station	8.0		5.0	44.0	10.0	17.0	34.0	(*)		
Millett				2.0	5.0		22.0			29.0
Mina				2.5	1.0		5.5			9.0
Minden				3.5	8.5		9.5			21.5
Montello			3.0	4.0	1.0	8.0	4.0	T.		20.0
North Fork	5.0		2.0	6.0	6.0	4.0	7.0	0.5		30.5
Orovada [16]				1.5	4.0	T.	T.	T.		5.5
Owyhee	(*)	(*)	(*)	(*)	11.3	10.0	11.8	4.0		(2)
Pahrump		(*)					(*)			
Paradise Valley	T.		0.5	12.0	10.5	0.5	9.0	T.		32.5
Quinn River Ranch	T.			T.	(*)	(*)	(*)			
Reno		T.	T.	1.2	2.4	0.1	8.2	1.0		12.9
Rye Patch				2.8	0.5		4.5	1.0		8.8
Sand Pass				2.0	T.		3.5	T.		5.5

[2] Trace in June, 1924.

[15] Includes June, 1924: Gold Creek, 0.5.

[16] Name changed from Rebel Creek.

Monthly and seasonal snowfall, 1923–24—Continued

Station	1923				1924					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Nevada—Continued										
San Jacinto		(*)	1.0	12.5	7.0	2.5	(*)	(*)		
Schurz				4.0	4.0		1.5			9.5
Searchlight				T.			T.			T.
Sharp	T.	1.0			5.0		29.0	0.6		35.6
Smith			T.	1.5	(*)	T.	4.5			
Sulphur				4.0	1.5	T.	(*)	(*)		
Thorne				1.5	1.0					2.5
Tonopah	T.	T.	0.5	3.0	2.0		(*)	(*)		
Tuscarora (near)	12.0		1.8	22.3	11.0	3.5	27.5	4.0		[2] 80.3
Vya	1.0	0.5	T.	11.0	6.0	T.	9.0	6.0		33.5
Winnemucca			T.	10.4	1.2	0.2	5.0	T.		16.8
Yerington	(*)		T.	T.	2.0		(*)			
New Hampshire										
Berlin		T.	0.1	22.2	16.1	21.0	10.8	20.5		90.7
Bethlehem			5.0	20.0	7.0	9.0	8.0	12.0		61.0
Concord			T.	8.0	22.3	16.0	1.5	6.9		54.7
Durham			1.0	9.5	31.0	13.0	4.0	(*)		
Franklin				6.5	25.5	21.2	1.0	6.0		60.2
Hanover		T.	1.3	13.9	18.0	23.1	3.0	8.3		67.6
Keene			2.0	6.7	12.0	17.2	4.5	9.7		52.1
Pittsburg (a)		0.5	6.1	35.8	31.8	25.8	30.7	25.7		156.4
Plymouth			0.5	18.5	28.5	21.0	3.0	9.5		81.0
New Jersey										
Atlantic City				1.5	T.	12.8	T.	T.		14.3
Bridgeton				2.0	T.	5.5	T.	4.0		11.5
Cape May		T.		2.7	T.	5.3	T.	0.3		8.3
Dover			T.	4.3	1.5	13.0	3.1	9.3		31.2
Flemington			T.	3.0	1.0	14.5	3.0	8.5		30.0
Highwood			T.	3.0	2.0	10.5	3.0	10.5		29.0
Indian Mills				3.0	T.	11.5	7.5	5.0		27.0
Layton			T.	6.5	2.0	14.0	5.0	9.5		37.0
Long Branch			T.	1.0	T.	10.2	1.1	3.6		15.9
Newton				7.0	2.0	17.3	3.5	1.0		30.8
Plainfield				3.7	2.5	14.9	4.6	10.5		36.2
Sandy Hook				0.1	T.	8.5	0.1	2.4		11.1
Trenton			T.	1.5	0.6	15.6	3.2	7.5		28.4
New Mexico										
Abbott		6.0	14.0	15.0	3.0	1.0	15.8	3.3		58.1
Agricultural College				2.5						2.5
Albuquerque			0.5	2.6	T.	0.1	4.7	T.		7.9
Alma			T.	7.0	T.		T.			7.0
Ancho		2.0	9.0	28.5	1.0	3.0	4.5	3.0		51.0
Aspen Grove Ranch		3.0	9.0	42.0	6.0	13.0	50.0	19.0	T.	142.0
Aurora		13.5	27.0	24.0	7.5	10.0	30.5	16.0		128.5
Barton		33.0	18.5	14.0	2.0	15.0	42.0	22.0		146.5
Bateman's Ranch	5.0	20.0	11.8	29.1	13.5	15.6	46.1	7.5	T.	148.6
Bell Ranch		4.0	7.0	17.0	1.5	1.0	7.5	T.		38.0
Black Lake		6.5	3.0	16.0	1.0	3.0	27.0	7.0		63.5
Blackrock		T.		9.5	1.5	3.0	11.5	T.		25.5
Bloomfield		T.	T.	3.7	4.0	0.5	5.5	T.		13.7
Campana		2.0	12.0	18.5	T.	1.0	8.5	2.5		44.5
Capitan		T.	4.0	32.5	4.8	6.0	5.0	1.5		53.8
Carlsbad			0.5	12.0	T.	1.5	2.0			16.0
Chama	T.	2.0	12.0	26.0	12.0	7.0	43.0	16.0	T.	118.0
Cimarron (near)		5.0	7.0	9.0	7.2	8.5	23.8	1.5		62.0
Clayton		3.5	8.0	18.0	2.5	5.0	16.8	1.0	0.5	55.3
Cloudcroft		T.	14.0	29.0	12.5	7.0	16.0	2.0		80.5
Cloverdale Range Station				15.0	4.0		16.0			35.0
Clovis			11.0	11.8	0.6	4.0	2.3	T.		29.7
Corona		4.5	9.0	18.5	T.	3.0	9.5	3.5		48.0
Cuervo		T.	8.0	10.5	3.0	2.0	2.5	1.0		27.0
Dawson		3.5	4.0	8.0	5.0	6.0	18.0	T.		44.5

[2] Trace in June, 1924.

Monthly and seasonal snowfall, 1923–24—Continued

Station	1923				1924					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
New Mexico—Continued										
Des Moines		0.8	9.1	9.9	3.8	5.0	15.0			43.6
Dulce	T.	2.5	2.8	14.2	12.0	3.7	41.0	1.5		77.7
Duran		10.0	13.0	20.3	1.0	4.5	8.0	2.0		58.8
Elephant Butte Dam				18.0						18.0
Elizabethtown		16.0	15.0	16.5	13.0	4.0	41.0	14.0	T.	119.5
Elk (near)			T.	31.0	T.	6.0	T.	T.		37.0
Estancia		4.5	4.5	13.5	1.0	3.9	10.2	2.2		39.8
Fort Bayard			T.	20.0	0.3	2.0	4.9	T.		27.2
Fort Stanton			4.0	15.5	0.8	4.5	4.0	1.5		30.3
Gibson		1.7	0.5	6.9	(*)	1.3	6.8	3.0		
Glorieta Ranch			1.0	53.0		6.0	8.0			68.0
Hayden		2.0	9.0	15.0	2.0	(*)	(*)	(*)		
Haynes		13.0	3.0	5.7	7.5	5.0	23.0	8.0		65.2
Hermosa			1.0	53.0		5.0	T.			59.0
Hobbs			1.0	5.0	T.	3.0	4.0			13.0
Hope			6.0	15.0	T.	4.5	1.7			27.2
Jemez Springs		0.5	3.5	14.3	1.5	5.0	24.0	15.5		64.3
Las Vegas		3.0	7.5	16.3	1.0	8.5	26.3	T.		62.6
Lordsburg				5.0			7.0			12.0
Los Lunas (near)			0.1	2.2	T.	2.0	3.0			7.3
Maxwell (near)		T.	3.0	11.5	1.5	3.0	20.0	1.0		40.0
Miami		2.0	16.0	12.0	5.0	5.0	22.0	3.0		65.0
Mills		5.0	11.0	14.0	3.0	T.	20.0	6.0		59.0
Miller-Thorne Ranch			0.5	29.0	0.2	4.5	1.0			35.2
Montoya			14.5	29.5	1.0	1.0	6.5			52.5
Mosquero		5.0	12.0	15.0	1.0	2.0	9.8	3.0		47.8
Newman				T.						T.
Nogal (near)		T.	11.0	29.5	2.5	8.0	10.0	3.0		64.0
Palma		8.0	13.0	30.0	T.	8.0	11.5	(*)		
Palo Verde		4.5	11.0	19.5	5.5	1.5	13.0	3.2	T.	58.2
Pastura		5.0	17.0	20.0	1.0	2.0	4.0			49.0
Pinos Altos (near)		T.	7.5	39.5	13.0		42.5	5.5		108.0
Plainview (near)			0.5	11.0	T.	2.0	4.5			18.0
Porter		T.	6.5	22.7	0.6	0.8	4.6			35.2
Quay		T.	8.0	24.5	1.5	0.5	3.5	T.		38.0
Raton (near)		3.8	1.0	9.7	17.8	T.	10.0	T.		42.3
Red River Canyon	3.0	24.0	17.0	29.0	13.0	18.0	81.0	46.0	4.0	235.0
Regina		8.0	6.0	17.5	6.0	8.0	31.0	15.5		92.0
Richland (near)			4.0	10.0	0.2	T.	4.8	T.		19.0
Rociada		11.0	18.0	33.5	3.5	8.0	35.0	10.0	1.5	120.5
Roswell			3.8	13.4	1.6	5.0	1.6	T.		25.4
Santa Fe		2.0	2.2	12.4	2.7	1.8	9.6	7.1		37.8
Santa Rosa			6.0	24.5	0.6	4.0	5.4	T.		40.5
Senorito (near)		12.5	9.0	25.0	5.0	19.0	45.7	23.0		139.2
Solano		2.0	13.0	12.0	2.5	2.0	10.0	2.0		43.5
Tajique (near)		25.5	21.0	46.5	7.0	29.0	19.7	20.7	0.5	169.9
Taos Canyon		14.7	9.5	26.4	10.2	6.8	52.5	17.5	1.0	138.6
Tres Piedras		18.0	5.0	13.0	16.0	8.0	43.0	5.0		108.0
Truchas		7.0	10.0	11.0	4.8	5.5	20.0	8.0	0.5	66.8
Tucumcari (No. 1)		T.	5.0	24.8			3.5			33.3
Tularosa				2.5	1.2	1.0	(*)			
Weed Ranger Station		T.	3.5	29.5	1.5	7.5	7.0			49.0
White Oaks (near)		T.	7.0	41.0	3.0	5.0	2.8	(*)	(*)	
Winsors Ranch		9.0	16.0	24.3	5.0	9.0	62.0	14.0		139.3
New York										
Addison		T.	T.	2.7	1.3	12.5	2.1	6.5		25.1
Albany			9.5	8.1	5.3	11.3	0.8	14.0		49.0
Auburn		T.	0.9	7.4	(*)	(*)	12.1	8.0	T.	
Bedford Hills			T.	13.3	(*)	3.4	1.0	3.5		
Binghamton		T.	0.2	7.3	2.6	22.4	2.9	10.0		45.4
Bolivar		T.	4.0	7.0	17.0	21.0	8.5	6.5	T.	64.0
Brockport		T.	2.7	7.0	19.0	42.5	3.0	10.0	0.2	84.4
Buffalo		T.	0.9	5.5	9.0	22.0	5.1	4.1	0.1	46.7
Canton			3.	6.4	20.5	20.4	6.2	7.7		65.0
Dannemora		0.5	14.6	20.7	24.9	39.0	6.0	24.5	T.	130.2
De Ruyter		T.	2.0	9.8	8.4	21.3	4.5	4.0		50.0
Elmira		T.	T.	2.5	1.0	22.0	4.5	9.0		39.0

Monthly and seasonal snowfall, 1923–24—Continued

Station	1923				1924					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
New York—Continued										
Fredonia		4.2	1.4	2.1	21.9	18.2	5.9	1.4	1.6	56.7
Gabriels		0.1	6.5	22.0	31.6	18.8	10.8	20.2	T.	110.0
Geneva		T.	1.5	7.0	3.5	19.0	5.5	6.0		42.5
Glens Falls			10.5	12.5	13.0	30.0	1.5	13.0		80.5
Gloversville		T.	4.0	15.5	14.5	47.0	3.0	9.5	0.5	94.0
Hudson		T.	7.0	7.0	6.0	7.0	(*)	14.0		
Ithaca		T.	2.1	8.6	4.3	20.5	3.0	7.2	T.	45.7
Jeffersonville				9.0	5.0	11.0	2.0	8.0		35.0
Lauterbrunnen		T.	T.	5.0	7.0	19.0	5.0	5.0	T.	41.0
Little Falls (No. 1)			2.0	15.0	11.5	34.0	1.5	11.0		75.0
Lockport			2.0	6.0	11.0	24.5	1.0	2.0		46.5
Lowville			2.5	15.6	48.5	53.5	3.8	3.0	T.	126.9
Medford				3.7	0.4	10.9	6.2	6.2		27.4
Moira		T.	7.0	6.0	31.3	23.5	13.0	15.5	T.	96.3
Mount Vernon			T.	2.6	2.1	13.6	1.5	8.9		28.7
New Berlin		T.	T.	11.0	(*)	25.5	1.0	3.0		
New York City				1.2	2.6	11.5	3.0	8.0		26.3
North Lake			7.0	45.5	54.0	45.0	16.0	22.0	5.5	195.0
Norwich		T.	0.4	9.5	2.0	22.2	1.8	5.5		41.4
Oswego		0.5	4.2	8.8	26.7	20.7	3.8	3.8	T.	68.5
Port Jervis			T.	6.0	4.5	13.4	5.3	10.4		39.6
Rhinebeck			0.3	7.7	6.5	12.9	1.5	10.9		39.8
Rochester		T.	4.0	7.5	10.0	29.4	6.6	7.8	0.2	65.5
Roxbury		T.	3.0	11.0	9.5	16.7	15.8	16.0	T.	72.0
Setauket				4.3	2.3	10.2	5.8	7.5		30.1
Syracuse		0.1	1.3	7.1	12.8	21.0	4.7	6.8	0.1	53.9
Walton		0.2	1.0	4.0	3.0	13.5	0.3	(*)		
Warwick			T.	5.0	4.0	17.0	12.0	12.0		50.0
Watertown		T.	2.5	3.0	27.0	37.0	4.5	3.0		77.0
West Berne			8.0	14.0	4.0	17.0	4.0	12.0		59.0
West Point			T.	2.4	2.5	7.4	3.2	8.0		23.5
York		1.0	2.0	11.0	1.9	19.0	1.4	5.6	T.	41.9
North Carolina										
Asheville		3.0	0.1	1.0	T.	8.0	4.2	0.2		16.5
Banners Elk		6.0	3.0	4.0		25.5	21.0	0.5		60.0
Beaufort						T.				T.
Brewers				T.		5.0	4.0			9.0
Bryson City				T.		T.	5.0			5.0
Charlotte						2.4	2.3			4.7
Cullowhee			T.	T.		1.0	7.5	T.		8.5
Elizabeth City						1.0	2.0			3.0
Elkins				T.	0.5	7.0	1.0			8.5
Fayetteville						0.8	0.5			1.3
Goldsboro						T.	2.0			2.0
Greensboro				T.		9.0	3.0			12.0
Hatteras							T.			T.
Henderson				1.0		7.5	6.2			14.7
Hendersonville		T.	T.	T.	T.	8.5	2.5			11.0
Hickory				(*)		7.0	2.5			
Hot Springs		7.0		6.0	T.	6.0	9.0	T.		28.0
Jefferson		4.0	T.	T.	15.8	7.9	9.0	2.9		39.6
Lenoir				T.	0.5	4.5	2.0			7.0
Lumberton						T.	0.2			0.2
Marion				T.		2.0	3.5			5.5
Moncure				T.		3.0	1.8			4.8
Montreat		T.		T.	0.5	7.5	5.4	T.		13.4
Newbern						T.				T.
Pinehurst					T.	1.0	2.0			3.0
Raleigh				T.	T.	2.4	2.1			4.5
Rock House		T.	T.	0.1		2.6	6.0	0.5		9.2
Rockingham						2.0	1.0			3.0
Sloan						T.	1.0			1.0
Tarboro						2.0	2.0			4.0
Tryon				T.		2.5	1.0			3.5
Waynesville		0.8	T.	1.0	T.	8.5	5.0	T.		15.3
Weldon				T.		6.0	3.0			9.0
Wenona						(*)	1.5			
Wilmington							T.			T.
Winston-Salem				T.		9.5	3.0			12.5

Monthly and seasonal snowfall, 1923–24—Continued

Station	1923				1924					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
North Dakota										
Amenia	------	T.	2.0	7.0	T.	8.0	2.0	(*)	1.6	------
Arnegard	------	T.	------	3.0	3.5	5.0	9.5	9.5	2.0	32.5
Ashley	------	T.	------	7.0	1.0	4.0	5.0	15.2	T.	32.2
Beach	------	T.	3.0	1.1	T.	(*)	6.1	8.1	1.0	------
Berthold Agency	------	0.5	0.3	2.3	T.	T.	5.0	6.0	1.0	15.1
Bismarck	------	T.	T.	3.7	0.5	2.6	5.2	13.4	1.4	26.8
Carson	------	------	T.	4.0	0.5	2.7	13.2	9.8	1.0	31.2
Cooperstown	------	T.	T.	2.5	2.5	8.0	4.0	5.5	3.0	25.5
Crosby	------	T.	2.5	2.2	3.7	3.2	1.7	8.6	1.5	23.4
Devils Lake	------	1.4	0.2	4.1	5.1	7.0	5.6	9.1	5.2	37.7
Dickinson	------	0.8	------	3.0	0.5	4.0	10.9	10.0	7.8	37.0
Dunn Center	------	T.	------	1.0	T.	2.0	9.0	6.0	5.5	23.5
Dunseith	------	1.5	1.4	2.2	3.5	3.0	1.8	8.0	T.	21.4
Ellendale	------	0.2	T.	2.8	0.7	3.0	6.3	1.9	1.7	16.6
Fessenden	------	1.5	------	3.3	3.7	5.3	2.0	4.8	------	20.6
Fryburg	------	0.5	T.	4.0	3.0	5.0	12.0	13.5	5.0	43.0
Fullerton	------	T.	------	3.2	2.5	3.8	7.5	3.6	4.1	24.7
Grafton	------	------	------	2.5	5.8	4.4	2.2	(*)	5.8	------
Grand Forks	------	0.8	1.2	9.5	9.2	4.2	5.4	3.2	6.7	40.2
Hannah	------	5.0	2.0	5.0	12.0	T.	4.0	14.0	0.5	42.5
Hettinger	------	T.	------	6.0	2.0	(*)	11.2	6.8	4.0	------
Hillsboro	------	T.	------	6.5	2.0	4.0	0.5	1.5	2.9	17.4
Howard	------	T.	2.2	4.4	4.5	2.0	9.2	9.4	8.0	39.7
Jamestown	------	------	2.2	4.7	0.5	7.0	1.8	T.	T.	16.2
Lisbon	------	T.	------	5.0	T.	2.0	T.	1.0	2.5	10.5
McClusky	------	2.0	0.5	4.2	1.0	4.0	4.5	11.0	3.0	30.2
McHenry	------	1.5	2.0	4.5	3.0	6.0	2.0	6.0	4.0	29.0
McKinney	------	1.0	0.5	6.0	3.5	3.0	0.5	5.5	1.0	21.0
Minot	------	1.0	1.0	3.5	3.0	4.0	0.5	8.5	2.5	24.0
Mott	------	0.2	------	4.0	2.0	4.5	6.2	9.0	1.5	27.4
Napoleon	------	T.	------	4.0	T.	4.0	7.0	8.5	1.0	24.5
New England	------	1.0	T.	1.0	T.	T.	10.0	(*)	T.	------
Pembina	------	------	------	2.0	3.0	2.0	2.0	(*)	------	------
Pettibone	------	0.2	3.5	6.0	3.0	5.0	6.5	7.0	4.5	35.7
Powers Lake	------	1.0	2.0	3.5	2.0	3.5	(*)	(*)	(*)	------
Valley City	------	0.1	1.0	3.5	1.4	2.0	0.9	0.8	0.9	10.6
Williston	------	T.	0.3	2.1	2.8	3.6	6.4	8.2	4.3	27.7
Willow City	------	4.0	------	8.0	5.0	5.0	5.0	15.5	1.0	43.5
Ohio										
Akron	------	------	1.2	1.3	7.8	9.6	5.8	5.3	------	31.0
Ashland	T.	------	0.5	1.0	7.0	10.0	11.0	1.0	------	30.5
Cadiz	------	------	T.	2.0	3.4	9.4	12.7	5.6	------	33.1
Canfield	------	------	T.	2.4	7.9	9.6	13.1	6.3	------	39.3
Canton	------	------	0.2	0.2	5.2	6.8	8.0	3.5	------	23.9
Cincinnati	------	------	T.	2.7	0.9	2.9	7.6	T.	------	14.1
Cleveland (Weather Bureau)	------	T.	T.	T.	13.0	7.8	2.6	0.7	------	24.1
Columbus	------	------	T.	0.3	2.8	5.3	2.4	1.0	------	11.8
Dayton (Weather Bureau)	------	------	T.	2.9	3.0	2.6	7.0	3.0	------	18.5
Demos	------	------	T.	2.6	1.6	7.4	11.6	4.7	------	27.9
Dover	------	------	T.	T.	8.8	4.5	3.9	3.0	------	20.2
Hiram	------	------	2.0	3.0	13.0	13.5	15.0	5.5	------	52.0
Ironton	------	------	------	1.3	0.4	4.8	0.3	1.9	------	8.7
McArthur	------	------	------	1.0	2.5	4.5	0.5	T.	------	8.5
Marietta Experiment Farm	------	------	------	1.0	2.0	3.5	2.0	7.0	------	15.5
Marion	------	------	T.	3.0	8.5	8.1	6.5	1.0	------	27.1
Marysville	------	------	------	0.5	6.5	3.5	10.5	T.	------	21.0
Milfordton	------	------	1.0	0.8	4.3	7.8	9.4	0.5	------	23.8
Millersburg	------	------	T.	1.5	7.0	7.0	3.0	4.0	------	22.5
Millport	------	------	0.5	T.	3.9	10.1	8.6	5.6	------	28.7
Ottawa	------	------	T.	0.2	13.0	5.0	13.2	0.5	------	31.9
Peebles	------	------	------	2.0	2.0	7.0	1.0	T.	------	12.0
Sandusky	------	------	T.	0.3	10.3	10.0	5.9	2.4	------	28.9
Sidney	------	------	------	(*)	7.3	3.7	10.3	1.4	------	------
Tiffin	------	------	T.	1.0	11.5	9.5	9.0	2.0	------	33.0
Toledo	------	------	T.	1.5	9.1	13.9	6.6	1.6	------	32.7
Wapakoneta	------	------	T.	1.0	12.3	6.5	12.2	4.0	------	36.0

Monthly and seasonal snowfall, 1923–24—Continued

Station	1923				1924					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Ohio—Continued										
Wauseon			T.	0.5	9.5	8.5	8.0	2.5		29.0
Waverly				3.0	2.0	3.6	2.0	0.5		11.1
Zanesville			0.1	0.3	1.9	5.1	4.4	1.8		13.6
Oklahoma										
Ada							9.0			9.0
Altus			T.		T.		6.1			6.1
Alva			0.2	T.	2.0	T.	37.0			39.2
Antlers							4.5			4.5
Ardmore						T.	(*)			
Beaver			5.0	10.0	1.0	3.0	33.0			52.0
Blackwell			T.		2.0	2.5	12.0			16.5
Broken Arrow			3.8	T.	1.3	3.0	17.3			25.4
Broken Bow						T.	T.			T.
Buffalo			1.0	1.0		T.	17.5			19.5
Carnegie					T.	T.	10.5			10.5
Chandler					T.	0.5	13.5			14.0
Chickasha					T.	T.	8.6			8.6
Durant							3.0			3.0
Enid			(*)	(*)	(*)		(*)			
Erick			1.8			T.	11.2			13.0
Hammon			1.5	T.		0.4	21.0			22.9
Holdenville			T.			T.	12.9			12.9
Hugo							7.0			7.0
Kenton		0.1	5.9	13.7	1.5	9.6	13.8	0.1		44.7
Kingfisher					T.	1.0	20.0			21.0
Lawton							6.3			6.3
Muskogee			2.5		T.	3.3	17.3			23.1
Okeene					T.	3.0	13.5			16.5
Oklahoma City			T.		0.1	0.7	20.3			21.1
Okmulgee						4.0	6.0			10.0
Pauls Valley					T.	T.	12.9			12.9
Pawhuska			6.0	T.	4.5	6.0	18.0			34.5
Poteau			T.		0.1		T.			0.1
Shawnee						0.2	17.0			17.2
Stillwater					0.2	1.5	9.8			11.5
Sulphur							6.0			6.0
Tulsa			4.0		1.5	4.0	19.2	T.		28.7
Tuskahoma						T.	10.5			10.5
Vinita			8.0	T.	3.5	2.1	9.3			22.9
Waurika			T.		T.	1.0	4.0			5.0
Weatherford				T.	T.	0.5	21.5			22.0
Woodward			1.8	T.	0.1	4.2	29.5			35.6
Oregon										
Albany				1.5	3.0					[2] 4.5
Andrews			T.	1.6	3.9	T.	2.7	T.	T.	8.2
Ashland				10.2	T.			0.8		11.0
Astoria				1.5	1.0					2.5
Baker			T.	10.8	5.2	1.4	2.9	T.	0.1	[2] 20.4
Bear Creek		T.	T.	13.4	8.6	4.0	14.0	3.0	T.	[17] 44.0
Bear Valley			T.	7.8	8.8	3.5	20.5	5.5	T.	[17] 49.1
Beech Creek		1.0	1.0	9.5	6.5	8.0	12.0	9.0		[17] 51.0
Bend		T.	T.	7.0	2.0	0.5	5.2		0.5	[2] 15.2
Big Eddy				3.5	3.8		T.			7.3
Blitzen			T.	T.	(*)	T.	2.5	1.5		
Brookings				0.2						0.2
Cascade Locks				0.8	5.0		1.0			6.8
Cascadia		(*)		2.6	2.5		1.0	T.	(*)	
Cazadero				1.0	3.0		(*)	T.		
Chiloquin		1.0		10.2	4.2	T.	9.5	3.0	2.0	29.9
Clarno				1.0	5.0		T.	(*)	(*)	
Condon				4.5	4.0	0.5	6.0			15.0
Coquille River Lighthouse				T.			T.	T.		T.
Cornucopia		4.0	16.4	52.3	49.9	26.4	13.5	5.4	T.	[17] 168.4

[2] Trace in June, 1924.
[17] Includes June, 1924: Bear Creek, 1.0; Bear Valley, 3.0; Beech Creek, 4.0; Cornucopia, 0.5.

Monthly and seasonal snowfall, 1923–24—Continued

Station	1923				1924					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Oregon—Continued										
Corvallis				2.0	5.0			T.		7.0
Cottage Grove				4.5	1.5					6.0
Cove			2.0	9.5	15.0	T.	6.0	T.		32.5
Crater Lake	4.0	7.6	12.0	64.9	48.8	42.4	52.2	5.6		[18] 244.0
Dayville			T.	2.8	1.5		0.5	T.		[2] 4.8
Detroit				13.0	6.0		5.5	4.0	0.5	29.0
Doraville				4.7	4.3		3.1	0.5		12.6
Drain				2.5	3.5					6.0
Drewsey			T.	4.5	10.0	1.0	1.5			17.0
Dufur			T.	11.0	6.0		3.2	T.		20.2
Echo				3.0	3.0		T.			6.0
Eugene				0.5	5.7		T.	T.		6.2
Forest Grove				1.0	5.2		0.2	T.		6.4
Fossil				7.0	8.0		4.5	2.0		21.5
Government Camp		1.0	2.0	68.5	28.0	24.0	52.0	13.5	(*)	
Grants Pass				1.0	T.					1.0
Harney Branch Experiment Station			0.5	2.8	6.1	0.5	1.8	1.0	T.	12.7
Harper			T.	1.5	6.3	T.	T.			7.8
Hay Creek		T.	T.	7.2	2.0	T.	3.7			12.9
Headworks				1.5	4.0					5.5
Heppner			T.	4.0	8.0		1.0	T.		13.0
Hermiston				0.5	2.2					2.7
Hilgard			2.0	9.0	12.0		9.0	T.	T.	[2] 32.0
Hillcrest Orchard				0.5			0.5	(*)		
Hood River				3.8	8.0		T.	T.		11.8
Howardville			5.0	50.6	25.2	5.8	20.1	2.0	0.5	[18] 112.2
Intake			T.	2.5	5.0		0.7	T.		8.2
Jacksonville				5.0	1.0		0.2	T.		6.2
Jewell				0.3	3.1		1.6	T.		5.0
Kent				2.0	4.0		T.			6.0
Kingman				2.0	10.0	T.	T.			12.0
Klamath Falls		T.		6.2	3.0	T.	4.5	1.5		15.2
La Grande			1.5	9.0	9.0	T.	1.0	T.	T.	[2] 20.5
Lake Creek				20.5	1.0		2.5	1.5		25.5
Lakeview	2.2	0.1	1.1	3.1	1.5	0.2	4.4	2.6		15.2
Lapine		1.1	T.	9.7	6.0	1.6	13.4	0.5		[2] 32.3
McMinnville				6.0	5.0					11.0
Madras	T.	T.	T.	4.5	3.8	T.	2.7	T.	T.	11.0
Marshfield				0.5						0.5
Medford				3.0	2.5		T.			5.5
Merrill		(*)	T.	2.0	1.8		3.5	T.	T.	7.3
Mikkalo				5.0	2.0		1.0			8.0
Milton				4.8	5.0		T.			9.8
Modoc Orchard				5.8	3.0					8.8
Morgan				7.2	T.		T.			7.2
Moro				5.0	4.8		1.5			11.3
Mount Angel				2.0	0.2		T.			2.2
Newport				1.0	2.0					3.0
Olive Lake		8.5	5.5	36.5	32.0	18.2	36.5	15.0	1.5	[18] 164.7
Parkdale			T.	13.8	17.0	T.	8.0	4.0		42.8
Pendleton			T.	7.0	5.0		T.	T.		12.0
Pilot Rock			T.	7.0	1.0		3.5			[2] 11.5
Portland				0.1	4.8		T.	0.1		5.0
Port Orford				T.	(*)					
Power House				6.5	3.5		T.			10.0
Prairie City			T.	10.1	8.4	0.5	8.7	5.8	T.	33.5
Prineville				8.0	3.2		3.0			14.2
Reservoir No. 3			1.0	9.3	12.8	2.5	2.7	T.		28.3
Riddle				5.5	3.0		T.			8.5
Riverside			T.	5.0	5.8		3.9			14.7
Rock Creek		1.0	2.0	19.0	18.0	6.8	19.5	2.2		[18] 70.5
Roseburg				2.1	0.6		T.			2.7
Round Grove		T.	T.	6.7	3.5	T.	1.0	2.5	(*)	
Salem				5.0	T.		T.	T.		5.0

[2] Trace in June, 1924.
[18] Includes June, 1924: Crater Lake, 6.5; Howardville, 3.0; Olive Lake, 11.0; Rock Creek, 2.0.

Monthly and seasonal snowfall, 1923–24—Continued

Station	1923				1924					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Oregon—Continued										
Silver Lake			T.	1.0	T.	T.	T.	T.		1.0
Siskiyou		2.0		25.0	11.0	T.	10.0	7.0		55.0
Sparta		T.	3.0	27.0	27.0	4.0	4.0	T.	T.	65.0
Starkey			2.0	11.0	9.2	T.	6.5	8.0	1.5	[2] 38.2
Sunrise Valley			T.	6.0	3.8	T.	4.9			14.7
Talent				4.5	0.5		T.			5.0
The Dalles				7.0	6.5		T.			13.5
Toledo				2.0	4.8					6.8
Ukiah			0.5	7.0	7.1	T.	3.0	T.		[2] 17.6
Umatilla				0.3	1.1		T.	T.		1.4
Umpqua				0.5						0.5
Union			0.5	3.2	6.7	T.	1.2	T.		[2] 11.6
Vale				1.2	8.1	T.	T.			9.3
Valley Falls				1.5	3.0		4.8	1.0		10.3
Wallace Orchard				3.0	4.5		0.5			8.0
Wallowa				15.1	14.1		6.5			35.7
Warmspring				8.0	8.0	(*)	4.0			
Wasco				5.0	5.0		1.0			11.0
Welches (near)			T.	12.9	7.0	T.	2.0	0.5		22.4
Weston			T.	8.0	(*)		T.	T.		
Williams				6.6	1.0		T.			7.6
Willow Creek				T.						T.
Pennsylvania										
Altoona				3.0	8.0	27.0	30.0	6.0		74.0
Beaver Dam			2.7	1.5	3.7	9.1	9.5	4.5		31.0
Bradford		T.	2.8	5.7	11.6	24.0	8.4	2.0		54.5
Bradys Bend		T.	2.0	4.0	4.6	20.5	9.0	2.5		42.6
Brookville		T.	T.	2.0	1.5	24.0	7.0	3.0		37.5
Carlisle				T.	6.0	17.0	17.0	10.5		50.5
Catawissa				1.0	2.5	14.7	6.0	12.0		36.2
Chambersburg			T.	0.7	6.3	14.3	11.5	7.8		41.5
Claysville			0.2	2.1	0.6	2.7	17.5	2.5		25.6
Emporium		T.	T.	1.0	6.0	19.5	9.9	6.5		42.9
Erie		1.7	0.4	1.3	15.1	10.0	8.4	1.4		38.3
Franklin		T.	0.5	1.5	7.0	17.2	5.5	0.5		32.2
Gettysburg				1.5	3.5	13.8	22.2	9.0		50.0
Gordon			T.	6.0	5.0	12.6	11.0	12.0		46.6
Greensburg			1.5	5.4	2.5	14.5	12.0	5.8		41.4
Grove City			0.5	2.5	6.9	19.3	8.5	3.0		40.7
Harrisburg			T.	1.1	2.5	15.3	7.8	8.0		34.7
Holtwood				1.0	1.5	14.8	6.0	15.0		38.3
Johnstown		T.	1.9	1.1	7.6	26.5	12.3	4.0		53.4
Lebanon				2.7	(*)	19.8	3.2	12.0		
Lewisburg				1.0	5.0	16.0	8.0	10.0		40.0
Mauch Chunk			T.	2.7	3.0	18.3	2.2	8.0		34.2
Mifflintown				T.	5.0	20.0	4.0	9.1		38.1
Montrose			T.	5.0	T.	19.0	11.0	13.0		48.0
Palmerton			T.	3.7	2.0	22.5	0.8	8.0		37.0
Philadelphia				1.8	0.5	10.3	2.5	6.7		21.8
Pittsburgh			0.2	1.0	1.3	11.6	17.8	3.2		35.1
Pottsville				6.0	2.3	20.3	2.2	12.6		43.4
Quakertown			T.	5.7	3.2	18.9	4.4	11.2		43.4
Reading				2.0	2.0	14.1	3.2	10.0		31.3
Saegertown			T.	6.9	16.0	20.5	4.0	1.5		48.9
Scranton		T.	T.	5.1	2.9	15.0	6.9	7.0		36.9
Selinsgrove				1.0	4.0	11.6	7.0	10.0		33.6
Somerset			2.2	5.1	6.6	37.9	72.5	6.9		131.2
State College			T.	0.5	4.5	13.3	14.4	9.0		41.7
Towanda		T.	T.	5.1	1.1	12.3	2.9	8.8		30.2
Uniontown			T.	3.5	1.5	12.5	12.0	3.5		33.0
Warren		0.3	1.9	5.3	10.1	22.7	13.2	0.7	T.	54.2
Wellsboro		T.	T.	2.3	2.5	22.0	8.6	10.2		45.6
West Bingham		T.	0.5	4.0	3.5	18.0	11.5	7.0		44.5
West Chester				2.5	T.	18.8	5.0	12.8		39.1
Williamsport		T.	T.	T.	3.0	13.0	0.5	11.0		27.5

[2] Trace in June, 1924.

Monthly and seasonal snowfall, 1923–24—Continued

Station	1923				1924					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Rhode Island										
Block Island				2.8	0.4	3.0	3.7	1.0		10.9
Bristol				4.0	2.0	6.8	8.5	(*)		
Kingston				9.0	3.5	6.5	9.5	3.5		32.0
Providence			T.	6.1	5.0	7.4	10.4	3.0		31.9
South Carolina										
Anderson						0.2	T.			0.2
Blackville							T.			T.
Blairs						T.	T.			T.
Calhoun Falls						T.	T.			T.
Catawba						2.5	0.2			2.7
Chappells						0.1				0.1
Cheraw						T.	T.			T.
Chester						0.5	T.			0.5
Clemson College						T.				T.
Columbia						T.				T.
Darlington						T.				T.
Due West						0.4				0.4
Edgefield							0.2			0.2
Gaston Shoals						2.5	0.5			3.0
Greenville						T.	T.			T.
Greenwood						1.0				0.1
Heath Springs						T.	T.			T.
Landrum						2.0	T.			2.0
Laurens						1.8	T.			1.8
Liberty						0.2	2.0			2.2
Little Mountain						T.	T.			T.
Newberry						0.2	T.			0.2
Pelzer						T.	T.			T.
Saluda						T.	T.			T.
Santuck						2.5	T.			2.5
Society Hill						T.	T.			T.
Spartanburg						2.5	1.3			3.8
Trenton						T.				T.
Walhalla						0.8	0.8			1.6
Winnsboro						T.	T.			T.
Winthrop College						2.0				2.0
South Dakota										
Aberdeen		0.2		3.8	4.5	4.0	14.2	T.	4.0	30.7
Academy		2.4		4.0	1.0	8.0	7.0		T.	22.4
Ardmere		9.0	4.0	6.0	1.0	10.5	16.0			46.5
Bellefourche		2.0	1.0	5.5	2.0	11.0	10.1	T.	T.	31.6
Britton		0.5	T.	3.7	1.0	1.6	11.3	2.0	1.7	21.8
Brookings		1.6	0.1	1.7	1.0	3.1	13.4		T.	20.9
Camp Crook		2.0		(*)	1.0	6.0	9.0	T.		
Colome		7.0		2.0	2.0	10.9	13.8		T.	35.7
Cottonwood		1.0		4.0	T.	2.5	T.	0.4		7.9
Custer		8.5	2.7	7.0	3.8	7.7	29.9	8.0	0.5	68.1
Deerfield		13.5	0.9	4.9	9.2	7.5	27.0	3.0	2.0	68.0
Dumont		7.2	2.6	5.1	14.0	28.9	34.6	12.5	8.0	112.9
Dupree		2.8		8.0	5.0	3.7	8.5	4.0	T.	32.0
Eales		1.1		5.5	1.5	9.5	7.9	7.5		33.0
Elk Mountain		9.5	3.2	7.0	2.2	6.2	8.0	0.8	T.	36.9
Eureka		0.9		2.0	0.2	1.2	2.8	T.	T.	7.1
Fairfax		5.0		3.9	3.5	16.8	27.5	4.0	T.	60.7
Faulkton		2.0	T.	1.0	T.	4.5	10.0	T.		17.5
Forestburg		1.7		5.3	1.2	9.5	7.8			25.5
Hardy Ranger Station		4.0	0.9	(*)	15.0	30.5	21.1	11.0	8.5	
Harveys Ranch	T.	9.0	3.5	3.0	15.5	17.0	25.5	14.0	9.0	96.5
Hermosa		0.5		2.9	5.0	8.2	11.9			28.5
Highmore				2.0	0.7	4.5	15.1	T.	T.	22.3
Hopewell		3.0		4.5	2.5	6.5	17.0	4.0	1.0	38.5
Hot Springs		7.0	4.5	5.0	5.0	10.0	28.0	4.0		63.5
Huron		1.3	T.	1.6	0.9	7.5	15.2	3.0	T.	29.5
Ipswich		1.0		1.5	1.0	3.0	4.9	T.	T.	11.4
Lead		11.0	3.7	4.2	6.6	22.7	21.1	14.9	6.7	90.9

Monthly and seasonal snowfall, 1923–24—Continued

Station	1923				1924					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
South Dakota—Continued										
Lemmon		2.0	(*)	(*)	(*)	(*)	(*)	5.0		
McIntosh		T.	(*)	4.0	1.0	3.8	5.1	5.0	T.	
Marion		1.5	T.	3.5	T.	12.0	16.0	T.	T.	33.0
Meadow		0.2		2.2	0.6	3.2	8.9			15.1
Mitchell		2.0		2.5	2.0	16.0	10.4	T.	0.2	33.1
Mud Butte		2.0		4.0	T.	4.0	10.0	0.5	T.	20.5
Oelrichs		10.0		T.	0.3	18.0	20.0	3.0		51.3
Orman		2.2	0.5	6.5	3.5	6.0	3.7	0.2	T.	22.6
Pierre		0.4		5.0	2.6	9.2	15.4	5.6	0.2	38.4
Pine Ridge		13.7	(*)	6.0	3.0	6.5	9.5	1.0	(*)	
Pollock		0.8		3.0	1.2	2.0	8.4		T.	15.4
Rapid City		3.0	0.4	2.6	4.2	9.5	17.6	1.6	0.2	39.1
Redig		1.0	T.	11.0	5.5	8.5	16.5	6.0	T.	48.5
Rochford		15.2	2.4	4.7	9.0	18.3	31.0	13.2	5.5	99.3
Roslyn		0.3	3.0	0.5	0.5	3.0	7.5	3.2	7.7	25.7
Spearfish		6.5	1.0	4.1	9.6	21.0	15.8	4.0	2.0	64.0
Tyndall		5.0		5.0	T.	9.0	11.0			30.0
Vale		4.0	T.	3.0	1.5	10.0	10.0	0.5	T.	29.0
Vermilion		5.0		8.0	5.4	14.4	13.0		T.	45.8
Vivian				1.5	T.	5.5	6.0	T.	T.	13.0
Wagner		4.5		8.0	2.0	11.5	15.5			41.5
Waters Ranch		12.1	3.0	6.3	13.6	19.8	16.2	1.4	0.6	73.0
Wentworth		T.	T.	1.4	1.1	3.7	9.1	0.4	T.	15.7
White Lake				6.0	0.5	7.5	7.5			21.5
Wood		2.5		3.6	1.3	10.3	7.1	T.	(*)	
Yankton		3.0		8.5	3.4	13.4	11.9	0.1	.T	40.3
Tennessee										
Ashwood				3.0	1.0	2.5	2.5			9.0
Celina				2.0	T.	0.2	T.			2.2
Chattanooga				2.2	T.	T.	1.4			3.6
Clarksville				2.2	3.0	2.8	1.0			9.0
Coldwater				1.0	T.	2.0	1.0	T.		4.0
Decatur				5.0	T.	1.5	4.5	T.		11.0
Florence				3.5	0.5	0.5	0.3	T.		4.8
Hohenwald				1.0	0.2	1.5	1.0			3.7
Jackson				T.	1.8	2.0	T.			3.8
Johnson City		3.5		4.5	T.	8.5	2.5	T.		19.0
Kenton				(*)	1.0	4.0	0.8			
Knoxville				0.4	T.	2.0	2.4	T.		4.8
McMinnville		T.		2.0	0.5	0.7	0.5			3.7
Memphis				T.	0.6	T.	T.			0.6
Nashville				3.0	0.7	1.5	0.8			6.0
Palmetto				2.0	T.	1.0	T.			3.0
Rogersville		0.5	T.	5.0	T.	2.5	1.0	T.		9.0
Rugby				5.0		1.5	4.0			10.5
Walling				2.0	T.	(*)	4.0			
Waynesboro				2.5	0.5	4.7	2.3	T.		10.0
Texas										
Abilene			0.3		T.	5.0	3.0			8.3
Albany			0.5			4.0	3.0			7.5
Amarillo		1.1	11.0	10.8	1.3	2.7	15.1	T.		42.0
Ballinger						10.0	T.			10.0
Big Spring						1.5	3.5			5.0
Bonham					T.	4.0	7.0			11.0
Bowie			1.5			5.0	8.0			14.5
Bridgeport			0.2			2.8	10.5			13.5
Brownsville						T.				T.
Brownwood						7.0				7.0
Canadian			2.0	1.7		2.0	10.5			16.2
Chillicothe					T.	T.	14.0			14.0
College Station						5.0				5.0
Colorado						0.6	T.			0.6
Corpus Christi										0.0
Crosbyton			5.0	0.5		T.	10.0			15.5
Dalhart		T.	8.0	12.0	0.5	0.9	13.8	T.		35.2

Monthly and seasonal snowfall, 1923-24—Continued

Station	1923				1924					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Texas—Continued										
Dallas						5.5	4.3			9.8
Del Rio						3.2				3.2
Eagle Pass						2.0				2.0
Eastland			1.0			7.5	1.2			9.7
El Paso				2.0		T.	T.			2.0
Flatonia						T.				T.
Flint						T.				T.
Fort McKavett (near)						6.0				6.0
Fort Stockton				3.0		6.0	1.0			10.0
Fort Worth			T.			7.5	6.0			13.5
Gainesville						1.0	6.5			7.5
Galveston										0.0
Greenville							3.5			3.5
Groesbeck						3.5				3.5
Hallettsville					T.	T.				T.
Haskell			T.			1.5	3.8			5.3
Henrietta						3.0	5.0			8.0
Houston					T.					T.
Karnes City						T.				T.
Kerrville						3.0				3.0
Knickerbocker						13.0				13.0
Lampasas						8.0				8.0
Llano						4.0				4.0
Lubbock			1.5	4.4	T.	1.0	6.6			13.5
Marshall					T.		T.			T.
Memphis			3.0	T.	T.	T.	11.0			14.0
Midland				1.0		6.0	1.5			8.5
O 2 Ranch				5.4		9.0				14.4
Paducah			6.0			T.	14.0			20.0
Paint Rock						16.0				16.0
Palestine				T.		T.	T.			T.
Panhandle		1.0	4.0	9.0		7.0	11.8			32.8
Paris						0.1	7.0			7.1
Plainview			5.0	3.5	T.	0.5	10.0			19.0
Port Arthur										0.0
Putnam						6.0	5.0			11.0
Romero		4.0	10.0	28.5	3.0	T.	19.5			65.0
San Antonio						T.				T.
San Marcos						T.				T.
Snyder			8.0	0.3		0.5	7.5			16.3
Somerville						1.0				1.0
Spearman		2.0	4.0	8.0		6.0	7.0			27.0
Taylor						4.6				4.6
Temple						15.5				15.5
Uvalde						T.				T.
Waco						13.0				13.0
Waxahachie						7.8	1.0			8.8
Winfield (near)						0.9	5.0			5.9
Utah										
Alpine			4.0	7.0	11.0	4.0	38.0	8.0		72.0
Alton		(*)	(*)	(*)	5.5		34.0			
Alunite		T.	2.0	9.8	4.0	3.5	23.5	2.0	T.	44.8
Beaver		T.	1.0	4.6	4.5	1.0	3.3	3.0		17.4
Black Rock				7.0	8.0		20.0	(*)		
Blanding		0.1		15.6	8.0	(*)	13.5			
Brigham City		T.	T.	7.0	1.0	1.5	7.0	T.		16.5
Castle Dale				6.0	3.0	1.0	12.0	1.0		23.0
Cedar City			T.	7.6	4.0	1.0	18.5	5.0		36.1
Deseret		1.0		6.0	3.0	(*)	15.0	2.0		
Duchesne		T.	1.0	4.5	T.		22.5			28.0
Elberta		T.	T.	16.5	4.3	T.	6.9	1.5		29.2
Emery			1.5	3.5	9.5	3.0	11.5	1.5		30.5
Farmington		(*)	(*)	13.5	7.5	5.0	T.	(*)		
Fillmore		9.0	1.0	20.0	22.0	1.0	38.0	7.5		98.5
Fort Duchesne			1.0	5.0	1.0	T.	7.5	T.		14.5
Fruitland	1.5	1.5	6.0	9.9	8.0	1.4	28.2	3.0		59.5
Government Creek		9.0	0.6	10.2	6.8	4.5	21.5	4.5		57.1

Monthly and seasonal snowfall, 1923–24—Continued

Station	1923				1924					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Utah—Continued										
Grantsville		(*)	T.	19.5	6.0	2.0	8.2	4.0	(*)	
Green River			(*)	1.3	2.5	T.	T.			
Hanksville				7.5	4.0	1.0	8.0			20.5
Heber	T.	T.	4.0	8.0	14.0	T.	16.0	3.0	4.0	49.0
Hiawatha		1.8	6.1	8.6	8.4	4.8	33.1	T.	T.	62.8
High Line City Creek	1.0	3.0	9.0	18.5	14.0	18.0	46.0	6.0	T.	115.5
Hole-in-the-Rock	12.0	19.0	10.5	6.0	6.0	5.5	36.5	17.5	5.0	118.0
Huntsville	(*)	(*)	4.0	7.0	11.0	13.0	24.0	4.0		
Ibapah		3.0	0.2	19.0	1.2	1.2	13.0	8.5		46.1
Kanab				1.0	5.0	T.	6.0			12.0
Kelton			T.	0.5	1.5	4.2	11.6	1.0		18.8
Laketown		T.		9.0	12.0	2.0	11.5	4.0		38.5
La Sal	(*)	(*)	T.	7.5	0.5	1.5	6.0	(*)	(*)	
Levan		1.6	3.0	15.0	6.5	2.5	21.0	3.5		53.1
Loa		1.0	2.0	3.0	3.0	2.5	2.2	6.0		19.7
Logan			2.0	10.7	3.0	2.3	13.5	(*)		
Lucin				2.3	1.0	T.	9.0	T.		12.3
Lund	(*)	(*)	T.	3.0	2.0	1.0	14.5	(*)		
Manila	2.0	8.0	2.0	13.0	1.5	3.0	33.5	10.0		73.0
Manti		3.7	1.0	7.3	4.7	2.2	27.6	3.2		49.7
Midvale		1.5	4.1	13.8	5.9	2.8	14.5	6.9		49.5
Milford		T.	0.8	3.0	5.5	3.4	23.5	3.3		39.5
Moab				5.5	5.4	T.	7.0	4.0		21.9
Modena	0.7	T.	T.	2.3	1.5	0.2	31.9	3.0		39.6
Morgan		2.0	3.0	10.0	12.0	6.0	18.5	4.0	T.	55.5
Moroni		2.5	2.0	4.2	4.0	2.9	14.7	6.6		36.9
Ogden	T.		2.8	10.1	8.0	4.5	2.0			27.4
Panguitch		(*)	(*)	11.0	7.0	0.5	15.0	1.5	1.0	
Park City	6.0	2.0	6.0	15.0	8.0	1.0	57.0	6.5	8.0	109.5
Parowan		2.5	T.	17.2	8.0	3.0	26.6	7.5		64.8
Price				3.1	5.4	(*)	(*)			
Provo			1.0	15.5	11.0	T.	16.5	T.		44.0
St. John	(*)	1.5	1.0	5.2	8.0	(*)	9.0	1.0		
Salt Lake City		2.6	3.8	13.0	7.4	6.6	19.6	7.2		60.2
Sevier Bridge Dam		T.	T.	7.6	3.0	T.	13.0	(*)		
Silver Lake	7.0	16.5	22.0	37.8	30.0	20.5	94.0	30.0	12.0	269.8
Soldier Summit	T.	3.0	5.5	19.0	14.5	1.8	20.2	10.0	(*)	
Sunnyside	0.5	10.0	6.0	8.2	4.8	1.5	12.0	T.	(*)	
Thistle		3.0	6.0	12.0	12.0	4.0	24.0	6.0		67.0
Thompsons				7.0	3.0		6.7			[2] 16.7
Tooele		5.5	3.0	14.0	7.0	(*)	(*)	(*)	(*)	
Tremonton		T.	0.7	3.5	8.0	1.5	7.4	T.		21.1
Utah Lake (Lehi)		T.	1.9	11.5	9.0	0.5	6.0	1.0		29.9
Vernal			3.0	(*)	6.0		0.5			
Watson (near)		T.	0.5	11.0	1.7	T.	12.5	5.0		30.7
Wendover			T.	T.	1.2	0.5	T.	T.		1.7
Winter Quarters	T.	11.0	5.5	15.0	12.5	5.0	43.5	4.0	1.0	[10] 98.0
Vermont										
Bloomfield		T.	0.5	23.5	10.5	14.0	7.5	7.0		63.0
Burlington		T.	7.6	7.0	12.4	20.8	4.5	19.1		71.4
Chelsea			6.0	17.0	24.0	29.0	3.0	22.0		101.0
Cornwall			9.0	8.5	19.5	30.0	T.	16.0		83.0
Enosburg Falls		T.	11.0	19.0	17.0	26.5	16.0	11.0		100.5
Garfield			10.0	35.5	25.0	24.5	9.0	13.0		117.0
Northfield		T.	10.3	21.5	21.7	27.5	2.6	25.3		108.9
St. Johnsbury			0.5	20.5	16.2	19.5	2.3	13.0		72.0
Somerset			3.5	14.0	10.5	20.8	3.8	24.5	0.5	77.6
Woodstock			4.0	25.0	18.0	25.0	3.0	20.0		95.0
Virginia										
Blacksburg		T.	T.	1.5	1.0	8.0	5.7	T.		16.2
Callaville				0.5	T.	5.0	4.0			9.5
Cape Henry				0.5		1.5	0.2			2.2

[2] Trace in June, 1924.
[10] Includes June, 1924: Winter Quarters, 0.5.

Monthly and seasonal snowfall, 1923–24—Continued

Station	1923				1924					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Virginia—Continued										
Charlottesville (near)				0.5	3.0	8.0	18.0	1.5		31.0
Culpeper				1.0	2.0	7.5	14.0	1.0		25.5
Dahlgren				0.5	T.	3.6	2.8	0.4		7.3
Dale Enterprise			T.	0.5	5.5	8.0	16.0	6.0		36.0
Dante		7.0	T.	10.0	0.5	4.5	3.0	T.		25.0
Franklin				T.	T.	4.5	1.5			6.0
Fredericksburg (near)				1.0	0.2	5.4	8.5	1.5		16.6
Hopewell				T.	T.	0.3	0.2			0.5
Hot Springs			T.	0.8	2.1	5.0	10.6	2.0	T.	20.5
Lexington				0.5	4.0	4.5	9.5	T.	T.	18.5
Lincoln			T.	0.5	T.	5.5	13.0	4.0		23.0
Lynchburg				0.6	0.8	1.3	5.2	T.		7.9
Narrows					5.0	7.0	4.0			16.0
New Canton				1.0	1.0	6.0	10.0	1.0		19.0
Newport News				T.	T.	5.5	0.5			6.0
Norfolk				T.	T.	3.0	0.5			3.5
Quantico				2.5	1.3	4.0	4.5			12.3
Richmond				1.0	T.	T.	3.7	T.		4.7
Rocky Mount				T.	T.	4.0	4.0			8.0
Runnymede				T.	T.	4.0	1.0			5.0
Williamsburg			T.	T.	T.	3.2	T.			3.2
Wise		7.0	1.5	8.0	1.0	6.2	4.0	T.		27.7
Woodstock			T.	T.	1.0	5.0	19.0	3.8		28.8
Wytheville		2.1	0.1	1.6	T.	7.6	9.6	T.		21.0
Washington										
Aberdeen				T.	1.0		1.0			2.0
Anatone			2.0	40.0	23.0	6.0	8.0			[2] 79.0
Arlington			T.				4.0			4.0
Blaine				T.			T.			T.
Blewett			4.0	22.0	27.0	14.0	7.0	3.0		77.0
Bremerton				0.2	(*)		T.			
Brewster				9.5	4.8	1.0				15.3
Buckley				T.	0.4		T.	T.		0.4
Bumping Lake			0.5	56.5	23.0	18.0	11.5	2.5	1.0	[2] 113.0
Carbonado			T.	3.0			0.5	T.		3.5
Cascade Tunnel			(*)	144.0	78.0	41.0	30.0	17.0		
Castle Rock				1.6	4.5		1.0			7.1
Cedar Lake			4.0	2.0	9.5		T.	8.0		[2] 23.5
Chesaw			(*)	10.0	5.0	1.5	T.	(*)		
Clearbrook							2.0			2.0
Cle Elum			2.0	18.0	19.0		4.0	1.0		44.0
Colfax			T.	4.5	5.5		T.			10.0
Colville				9.0	8.2	1.5		1.0		19.7
Conconully			1.5	22.2	5.5	3.0	T.	0.2		32.4
Cowiche			(*)	10.8	8.8	T.	T.			
Davenport			0.1	11.0	7.0					18.1
Davis Ranch			T.	11.0	15.2	T.	3.8	T.		30.0
Dayton			(*)	3.5	4.2		2.0	T.		
Deer Park			2.8	20.5	11.6	1.7	3.0			39.6
Dirty Face Mountain			5.2	75.2	30.0	7.5	2.5	T.		120.4
Dryden			(*)	(*)	23.0	3.5				
Ellensburg			T.	8.0	12.0	2.5				22.5
Ephrata			T.	3.5	3.4	T.				6.9
Everett				(*)	T.		2.5			
Goldendale				6.5	8.0			T.		14.5
Granger (near)			(*)	4.1	1.5	(*)	(*)	(*)	(*)	
Grapeview					T.					T.
Hanford				2.0	4.0					6.0
Harrington				1.5	3.0		T.			4.5
Hatton				T.	2.0					2.0
Headworks				5.2	1.0		1.0	0.5		7.7
Irene Mountain			1.5	12.8	3.2	2.5	2.2	0.5	T.	[20] 23.7
Kahlotus				T.	3.6		T.	3.0		6.6
Kalama (near)				T.	4.0		2.0			6.0

[1] Trace in June, 1924.
[20] Includes June, 1924: Irene Mountain, 1.0.

Monthly and seasonal snowfall, 1923–24—Continued

Station	1923				1924					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Washington—Continued										
Kennewick				5.5	5.0		T.			10.5
Kettle Falls				7.3	9.5	2.0		T.		18.8
La Crosse			T.	1.2	2.0					3.2
Lake Clealum			0.2	47.5	24.0	8.9	3.2	1.9		85.7
Lake Kachess			7.0	51.0	34.0	9.0	9.0	3.0		113.0
Lake Keechelus			9.0	(*)	32.0	13.0	20.5	6.5		
Laurier			5.5	17.2	16.8	4.5	2.2			46.2
Leavenworth			T.	56.0	17.5	11.0	T.			84.5
Lind				T.	4.0					4.0
Longmires Springs			2.0	55.0	27.0	4.0	34.0	8.0	T.	130.0
Lost Creek			(*)	2.5	2.2	T.	1.8	T.		
Maryhill				5.0	4.0					9.0
Mill Creek			(*)	7.0	9.0		5.0	T.		
Mottinger				T.	T.					T.
Moxee				4.3	2.8	T.				7.1
Nespelem			1.0	3.6	4.6	0.6				9.8
North Head				5.2	0.6		0.1			5.9
Oakville				0.8	2.5		1.0	1.5		5.8
Odessa			T.	2.5	3.5		T.	T.		6.0
Olympia				3.0	2.0		2.0			7.0
Omak				6.8	3.0					9.8
Paradise Inn	0.5	(*)	68.0	131.0	147.0	(*)	121.0	68.0	7.0	([21])
Peola			(*)	11.5	8.3	3.1	5.0	T.		([2])
Pomeroy			T.	2.0	4.0					6.0
Port Angeles				3.1	0.3		0.6	T.		4.0
Port Townsend				T.	T.					T.
Prosser				6.5	1.5		T.			8.0
Pullman			T.	10.0	7.2		4.5			21.7
Quilcene				T.	0.6					0.6
Republic			0.8	7.4	6.7	2.5	2.2	2.0	T.	21.6
Rimrock			3.0	35.8	15.1	1.1	4.6			59.6
Ritzville			0.2	1.5	1.8					3.5
Rock Island				6.0	4.3					10.3
Rosalia			2.0	6.3	4.9	1.5	4.2		0.5	19.4
Scenic			(*)	126.0	40.0	7.1	16.0	17.0	(*)	
Seattle				0.4	0.3		T.	1.5		2.2
Sequim					T.		0.5	T.		0.5
Sixprong				0.5	1.5		T.			2.0
Snoqualmie Falls			1.5	T.				2.0		3.5
Snoqualmie Pass		1.0	18.0	101.0	75.0	28.0	27.0	11.0		[22] 263.0
Snyders Ranch			10.0	65.4	17.5	5.2	2.1		T.	100.2
South Bend				0.7	0.7		0.5			1.9
Spokane			1.3	6.5	5.0	1.3	0.5	T.		14.6
State University				T.	0.3		T.			0.3
Stehekin			0.8	71.5	20.5	6.0	2.0			100.8
Stokes Ranch			7.8	57.8	14.5	11.8	0.8			92.7
Sultan					T.		2.8			2.8
Sunnyside				3.8	3.4					7.2
Tacoma				T.	0.5		T.			0.5
Tatoosh Island				T.	T.		T.			T.
Tieton Canyon				29.5	8.5		7.5			45.5
Timentwa			T.	12.0	9.0	2.0	T.			23.0
Touchet Ridge			1.0	13.0	11.0	4.0	17.0	T.	T.	[23] 47.0
Trinidad				4.5	3.9					8.4
Twin Sister Lakes			(*)	82.0	48.0	33.0	37.0	(*)	(*)	
Twisp			(*)	41.0	15.0	9.0	(*)			
Tye			(*)	157.0	44.5	31.0	27.5	13.0		
Vancouver				T.	6.0		1.3			7.3
Vashon Island				T.			T.	T.		T.
Wahluke			T.	2.0	T.					2.0
Wallace			7.1	23.4	11.1	8.6	T.	T.		50.2
Walla Walla			T.	4.7	3.8		T.	T.		8.5
Waterville			1.2	14.0	13.8	7.7	1.0		T.	37.7
Wellpinit			3.0	14.5	10.0	2.0	1.5			31.0
Wenatchee				21.0	5.5	2.0		T.		28.5

[2] Trace in June, 1924.
[21] 9.0 at Paradise Inn, June, 1924.
[22] Includes June, 1924: Snoqualmie Pass, 2.0.
[23] Includes June, 1924: Touchet Ridge, 1.0.

Monthly and seasonal snowfall, 1923–24—Continued

Station	1923				1924					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr	May	
***Washington*—Continued**										
Wenatchee (near)			T.	21.0	10.0	5.0	T.			36.0
Wilbur			1.0	9.0	4.5	2.0				16.5
Willard			(*)	28.0	12.0		7.0	(*)		
Wind River				12.0			4.5	1.0		17.5
Winthrop			4.0	52.0	16.0	15.0				87.0
Yakima				6.5	6.7	T.	T.			13.2
West Virginia										
Bancroft		T.		5.0	0.8	8.2	3.9	1.1		19.0
Bayard		T.	9.0	7.5	6.0	21.5	29.5	5.0	T.	78.5
Beckley		1.0		7.2	1.0	11.5	1.2	4.0		25.9
Bens Run				3.0	1.0	10.0	6.0	6.0		26.0
Bluefield		7.0	2.0	3.0	3.2	35.5	17.5	2.0		70.2
Brandywine			T.	1.0	2.0	6.0	19.0	4.0		32.0
Bruceton Mills			1.1	5.1	3.4	28.5	16.1	8.0		62.2
Buckhannon			T.	1.0	T.	15.5	8.0	4.0		28.5
Charleston			T.	0.2	0.1	3.1	5.0	(*)		
Cheat Bridge		T.	5.5	8.5	10.5	24.0	44.5	5.0	6.0	104.0
Clarksburg			T.	0.8	T.	11.2	3.5	4.0		19.5
Cortland			10.0	10.0	16.0	16.0	24.0	4.0		80.0
Creston				0.3	0.3	6.6	2.5	1.8		11.5
Davis		T.	6.5	9.5	4.5	38.5	25.8	5.8	T.	90.6
Elkins			T.	3.5	2.2	15.2	12.3	3.9	T.	37.1
Fairmont			T.	0.5	T.	23.5	8.0	3.0		35.0
Glenville			T.	2.2	T.	7.2	6.0	5.0		20.4
Harpers Ferry				0.5	2.5	9.2	14.5	6.0		32.7
Hinton		T.		0.5	2.0	5.5	4.0	T.		12.0
Huntington				2.2	0.2	6.6	0.6	0.6		10.2
Lewisburg		T.	T.	2.0	2.0	16.5	7.0	1.0		28.5
Lost Creek			T.	2.0	T.	9.2	2.5	4.0		17.7
Mannington			T.	4.2	1.6	8.0	8.9	2.5		25.2
Marlinton			T.	1.0	2.0	9.0	3.5	2.0		17.5
Parkersburg			T.	1.0	0.3	7.0	3.0	4.7		16.0
Pickens		1.0	8.0	16.0	5.0	51.0	30.0	9.0	1.0	121.0
Ryan				2.0	0.9	7.7	13.2	2.6		26.4
Smithfield			T.	1.5	0.8	9.5	4.8	5.5		22.1
Spencer				2.7	T.	8.0	5.0	3.5		19.2
Stony River Dam			3.5	3.5	7.8	14.0	30.5	7.0		66.3
Terra Alta		T.	3.9	11.6	8.3	24.2	14.4	7.3		69.7
Wellsburg			T.	T.	2.0	3.5	2.5	2.0		10.0
Weston			T.	1.0	1.0	13.0	6.0	4.0		25.0
Wheeling		T.	0.3	0.5	0.6	7.7	7.2	5.2		21.5
Williamson					T.	2.0	3.0	T.		5.0
Wisconsin										
Ashland	T.	0.6	4.2	4.6	7.3	10.1	9.1	13.0	3.0	51.9
Beloit		1.0		T.	14.0	10.0	5.0	T.		30.0
Brodhead		2.0	T.	9.0	4.0	15.0	6.0	1.0		37.0
Burnett		2.7	0.2	7.6	9.9	7.3	22.8	0.9	T.	51.4
Cecil		T.	4.0	8.0	11.0	15.0	14.0	2.0	T.	54.0
Coddington			T.	11.0	5.0	(*)	24.0	6.0	T.	
Cornucopia		1.2	3.0	9.5	7.8	7.6	7.4	3.4	4.2	44.1
Darlington		2.0	2.5	11.0	3.0	8.5	9.5	0.8		37.3
Deerskin Dam	T.	2.5	3.5	5.8	8.8	5.5	6.0	6.0	T.	[5] 38.1
Eau Claire		T.	1.8	8.5	9.9	12.1	19.0	2.9	T.	54.2
Florence	T.	0.5	3.0	7.0	14.0	9.0	17.0	9.0		59.5
Fond du Lac		0.5	T.	8.0	8.0	16.0	21.5	T.	T.	54.0
Grand River Locks		T.	1.5	8.0	6.5	7.8	20.0	T.		43.8
Grantsburg		T.	1.0	1.8	1.0	6.0	10.0	T.	T.	19.8
Green Bay			T.	7.7	9.1	16.2	24.1	1.9	T.	59.0
Hatfield			2.0	16.0	5.2	13.8	14.6	4.8		56.4
High Falls		T.	2.5	8.0	20.0	9.1	19.3	3.5	T.	62.4
Hillsboro		T.	2.0	14.0	5.0	4.0	24.0	T.	T.	49.0
Koepenick		1.0	3.0	6.0	11.0	6.0	18.0	8.0	T.	53.0
La Crosse			0.7	13.0	10.3	10.6	17.5	T.	T.	52.1
Madison		0.8	0.2	11.6	5.8	10.3	18.7	0.1	T.	47.5
Manitowoc		0.2	T.	12.0	13.0	32.5	24.2	4.0	T.	85.9
Medford		1.0	2.0	5.0	10.0	6.0	17.5	8.5		50.0
Milwaukee		0.8	T.	6.2	8.5	27.4	17.1	0.4	T.	60.4

[5] Trace in August, 1923.

Monthly and seasonal snowfall, 1923–24—Continued

Station	1923				1924					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Wisconsin—Continued										
Minocqua	-------	1.5	2.0	4.0	10.0	7.0	10.0	4.5	T.	39.0
Mondovi	-------	-------	1.0	12.0	6.0	26.0	18.0	T.	1.0	64.0
New London	-------	-------	T.	8.0	10.9	12.0	31.0	T.	T.	61.9
Park Falls	-------	2.0	3.5	9.0	12.0	10.0	18.0	5.2	T.	59.7
Prairie du Chien	-------	0.5	2.0	7.0	5.0	10.0	11.0	T.	-------	35.5
Prentice	-------	1.7	3.3	2.9	11.1	6.5	12.5	8.0	T.	46.0
Racine	-------	2.0	-------	3.5	4.5	17.0	7.0	T.	-------	34.0
Rhinelander	-------	T.	1.5	5.0	10.0	6.0	12.0	7.0	-------	41.5
Richland Center	-------	T.	T.	11.0	4.0	4.8	19.5	T.	T.	39.3
Ripon	-------	T.	T.	12.0	6.5	14.0	13.5	1.0	T.	47.0
River Falls	-------	0.5	0.8	3.5	10.9	6.2	13.7	2.0	0.5	38.1
Sheboygan	-------	1.2	T.	4.0	11.8	22.4	(*)	T.	T.	-------
Solon Springs	-------	-------	1.9	3.0	2.8	5.5	4.0	10.2	7.0	34.4
Sturgeon Bay	-------	-------	T.	3.5	11.0	21.0	15.0	T.	-------	50.5
Superior	-------	-------	2.0	5.6	1.2	5.6	1.9	4.3	4.0	24.6
Watertown	-------	1.2	T.	7.5	6.1	12.7	13.5	-------	T.	41.0
Wausau	-------	T.	5.4	10.7	11.4	10.5	31.7	4.5	T.	74.2
Weyerhauser	-------	0.5	1.0	3.0	11.2	7.5	18.5	9.0	T.	50.7
Williams Bay	-------	1.5	-------	10.5	9.0	14.9	19.0	0.3	-------	55.2
Wisconsin Rapids	-------	T.	3.2	8.6	16.6	14.3	25.1	3.0	T.	70.8
Wyoming										
Alta	1.0	0.5	1.0	29.4	5.0	7.0	14.0	4.0	5.0	[2] 66.9
Barnum	-------	5.0	T.	6.3	3.6	2.2	26.4	3.0	-------	46.5
Basin	-------	4.5	0.5	6.8	3.0	2.7	15.1	-------	-------	32.6
Bedford	2.0	1.0	8.5	12.5	19.5	8.5	35.0	6.5	2.0	[24] 97.0
Casper	T.	13.5	1.3	17.8	3.9	13.5	25.2	8.7	-------	83.9
Centennial	T.	24.6	3.0	8.7	16.2	7.9	28.5	10.8	12.0	[24] 111.8
Cheyenne	-------	7.3	0.4	4.1	4.3	14.3	20.0	9.7	T.	60.1
Chugwater	-------	10.0	2.0	15.0	6.0	9.0	16.5	7.0	-------	65.5
Clark	T.	1.5	1.0	7.9	3.5	3.8	6.8	T.	-------	24.5
Cody	-------	10.0	1.0	10.5	7.0	6.0	19.0	3.0	-------	56.5
Colony	-------	9.0	2.0	7.0	7.0	13.0	18.0	1.0	1.5	58.5
Crandall Creek	T.	13.0	6.0	23.0	10.0	4.0	9.5	10.0	T.	75.5
Deaver	-------	1.0	0.5	T.	4.0	2.1	6.5	T.	-------	14.1
Diversion Dam	-------	8.0	1.4	2.0	4.0	4.0	13.0	T.	8.0	40.4
Dixon	-------	1.0	4.5	10.9	13.0	9.5	21.2	-------	-------	[2] 60.1
Dome Lake	(*)	(*)	(*)	(*)	(*)	41.0	56.5	(*)	(*)	-------
Dubois	-------	15.0	3.0	14.0	5.0	5.0	14.0	3.0	5.0	64.0
Echeta	-------	11.0	3.0	4.5	9.5	22.0	12.5	9.0	2.5	74.0
Eden	(*)	T.	T.	2.1	1.2	1.5	2.7	2.0	T.	-------
Elk Mountain	2.0	18.0	T.	9.0	T.	21.0	30.0	14.0	9.0	103.0
Encampment	T.	3.0	3.0	14.0	6.3	6.0	11.0	2.5	T.	[2] 45.8
Ervay	7.0	24.0	3.0	23.0	10.0	10.0	23.0	16.0	10.0	126.0
Evanston	10.5	7.5	5.0	14.0	8.0	3.0	14.5	6.0	15.0	[24] 84.5
Foxpark	3.4	23.0	7.0	8.0	17.0	13.0	56.0	23.0	17.0	[2] 167.4
Green River	0.2	T.	T.	(*)	4.7	1.3	4.1	2.6	2.4	(2)
Hunter's Station	-------	36.0	10.0	30.8	12.0	18.0	94.0	29.0	38.6	268.4
Kirtley	-------	10.0	3.0	11.0	1.0	10.0	9.0	1.5	-------	45.5
Knowles	-------	5.9	11.5	9.0	6.0	17.2	25.0	9.0	4.0	87.6
Lagrange	-------	11.0	3.5	10.5	4.5	6.9	14.5	8.5	-------	59.4
Lander	T.	24.4	5.0	6.0	6.2	2.1	26.4	11.6	12.0	[2] 93.7
Laramie	1.8	8.5	0.5	5.2	4.2	9.6	4.9	4.9	5.6	45.2
Lovell	-------	0.5	0.4	7.8	5.5	0.8	8.0	1.3	-------	24.3
Lyman	-------	18.6	3.0	4.4	1.4	T.	10.2	5.7	5.5	[2] 48.8
Middle Fork (near)	T.	28.3	8.7	10.7	11.7	8.0	51.5	23.5	19.0	161.4
Moran	-------	6.0	8.0	36.0	17.5	11.0	9.0	6.0	2.0	[24] 99.5
Newcastle	-------	4.5	T.	4.0	4.5	5.0	7.8	T.	1.0	26.8
Pathfinder	0.5	2.0	1.0	6.2	2.7	4.0	4.8	5.0	-------	26.2
Pavillion	-------	6.5	1.6	7.3	7.0	4.3	15.5	2.8	1.5	46.5
Powell	-------	3.0	T.	3.0	3.2	0.3	0.1	T.	-------	9.6
Quaking Aspen Creek	29.0	32.0	10.0	14.0	18.0	13.0	45.0	22.5	32.0	215.5
Rawlins	T.	2.0	4.0	8.0	0.7	3.6	(*)	3.5	T.	-------
Riverton	-------	12.0	2.0	7.0	3.0	3.5	18.5	4.0	-------	50.0
Rockypoint	-------	3.0	4.5	3.5	10.0	19.0	23.0	7.5	2.5	73.0
Sage	3.5	6.0	1.0	5.5	5.6	1.8	13.6	2.5	-------	39.5
Salt Creek	T.	8.0	2.5	9.6	1.6	9.5	14.1	7.6	-------	52.9

[2] Trace in June, 1924.
[24] Includes June, 1924: Bedford, 1.5; Centennial, 0.1; Evanston, 1.0; Moran, 4.0.

Monthly and seasonal snowfall, 1923-24—Continued

Station	1923				1924					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Wyoming—Continued										
Saratoga		T.	2.0	11.0	3.0	6.5	8.0	0.5	T.	31.0
Sheridan		7.6	1.7	7.7	11.5	5.4	20.1	5.6	T.	59.6
Shoshone Dam		6.0	3.5	15.0	6.0	6.2	24.0	7.0		67.7
South Pass City	4.0	9.5	3.5	8.2	8.8	5.0	21.0	6.5	12.0	[25] 79.5
Spencer (near)		3.0	1.0	9.5	2.5	3.5	13.0			32.5
Sundance		10.0	5.2	9.5	15.0	15.5	28.0	1.5	5.0	89.7
Thermopolis		5.0	T.	8.0	4.0	8.5	17.0	2.0		44.5
Worland		3.0	0.5	2.6	11.0	7.2	8.5	2.0		34.8
Yellowstone Park		5.3	4.4	12.8	8.8	7.1	13.9	2.9	1.1	[25] 57.4
Buffalo Ranch		5.0	3.0	23.0	14.0	12.0	23.0	T.		[25] 84.0
Gallatin	T.	25.0	12.0	18.0	15.0	16.0	30.0	7.0	1.0	[25] 129.0
Lake Yellowstone		6.0	5.5	29.0	11.5	16.0	23.0	4.0	T.	[2] 95.0
Riverside		10.8	11.0	23.0	11.6	19.2	25.5	12.0	0.5	113.6
Snake River		17.0	20.0	42.0	21.0	22.0	24.5	12.0	T.	158.5
Canadian stations										
St. Johns, Newfoundland			T.	(*)	38.0	(*)	(*)	(*)	(*)	
Fogo, Newfoundland		T.	T.	26.7	63.8	78.8	15.4	21.6		206.3
Port aux Basques, Newfoundland		0.6	1.5	11.2	66.1	27.5	14.2	7.7		128.8
Sydney, Cape Breton Island		T.		19.5	39.0	37.5	17.5	16.0		129.5
Halifax, Nova Scotia				26.1	22.5	14.7	3.3	3.7		70.3
Yarmouth, Nova Scotia			0.4	7.4	23.3	17.0	15.4	3.7		67.2
St. John, New Brunswick				24.2	20.8	20.6	19.7	13.0		98.3
Charlottetown, Prince Edward Island			T.	24.5	16.5	21.5	13.1	18.5		94.1
Chatham, New Brunswick			T.	11.1	25.7	12.4	24.3	27.0	T.	100.5
Father Point, Quebec			3.6	15.7	20.6	15.6	16.1	17.2		88.8
Quebec, Quebec		0.1	6.1	20.8	41.3	25.9	9.4	30.5	T.	134.1
Montreal, Quebec			15.0	23.6	35.5	26.4	14.0	17.1	T.	131.6
Ottawa, Ontario		0.2	4.1	16.8	45.4	25.7	7.6	10.0	0.2	110.0
Kingston, Ontario		0.5	1.1	1.5	8.9	10.5	1.3	4.1		27.9
Toronto, Ontario			2.2	5.5	25.4	32.3	2.7	3.5		71.6
Port Stanley, Ontario		0.1	0.3	7.4	15.8	16.8	7.7	(*)	(*)	
Southampton, Ontario		1.0	1.6	4.2	35.6	20.9	7.4	2.2	T.	72.9
Parry Sound, Ontario		12.4	5.0	8.6	66.9	30.1	6.8	3.9	0.5	134.2
Cochrane, Ontario	1.0	2.0	4.0	1.0	13.0	7.0	2.0	6.0	1.0	37.0
White River, Ontario	2.0	21.3	4.4	6.9	16.1	10.8	1.8	7.4	4.4	75.1
Port Arthur, Ontario		T.	1.9	7.5	4.1	2.8	2.2	2.8		21.3
Winnipeg, Manitoba		2.2	2.8	2.9	4.2	4.1	0.9	7.4	0.1	24.6
Minnedosa, Manitoba		0.2	3.4	2.5	9.5	4.4	1.6	58.9	0.5	81.0
The Pas, Manitoba		0.2	3.4	8.0	2.6	2.7	4.0	11.9	0.2	33.0
Qu'Appelle, Saskatchewan		1.4	9.0	5.0	7.6	7.4	19.8	8.4	2.0	60.6
Moose Jaw, Saskatchewan		0.4	8.0	3.1	3.6	7.8	5.7	2.0		30.6
Swift Current, Saskatchewan		0.4	5.1	1.8	3.2	5.1	4.2	0.8	1.0	21.6
Medicine Hat, Alberta		T.	4.0	4.1	19.2	2.5	1.3	3.4		34.5
Calgary, Alberta	1.2	T.	4.4	10.8	8.4	11.0	24.0	11.9		71.7
Banff, Alberta	4.8	0.6	6.6	19.7	6.9	15.6	3.9	9.1	0.2	[26] 69.0
Prince Albert, Saskatchewan		T.	2.3	3.1	5.9	3.0	3.2	8.2	T.	25.7
Battleford, Saskatchewan			T.	2.2	4.2	6.6	1.3	1.5	6.5	22.3
Edmonton, Alberta	5.0	0.2	1.5	4.6	14.6	4.9	14.2	6.3	T.	51.3
Kamloops, British Columbia			1.7	8.0	16.4	0.7	T.			26.8
Vancouver, British Columbia				6.5	5.2		0.3			12.0
Victoria, British Columbia				T.	0.1		0.1			0.2
Barkerville, British Columbia	T.	4.5	29.7	45.8	22.2	37.0	23.5	37.3	15.1	215.1
Estevan Point, British Columbia	(*)			4.0	T.	T.				
Prince Rupert, British Columbia				9.2	0.3	1.0	5.0	5.0		20.5
Atlin, British Columbia	6.7		5.4	16.2	13.5	13.1	1.5	1.6		58.0
Dawson, Yukon	1.0	0.3	6.4	9.6	12.0	5.0	2.8	4.5	3.1	44.7

[2] Trace in June, 1924.
[25] Includes June, 1924: South Pass City, 1.0; Yellowstone Park, 1.1; Buffalo Ranch, 4.0; Gallatin, 5.0.
[26] Includes July, 1923: 1.0; June, 1924, 0.6.

EVAPORATION, 1923

Monthly and annual evaporation (in inches and hundredths) for 1923

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Alabama													
Silverhill	3.02	3.26	4.10	5.48	6.30	6.74	5.65	5.51	5.70	4.72	2.52	1.92	54.92
Arizona													
Lee's Ferry	2.45	2.98	6.02	7.66	12.31	13.17	12.38	9.55	7.50	6.31	2.58	1.83	84.74
Mesa	3.50	4.14	6.93	8.61	11.56	12.17	9.78	7.56	6.15	4.58	2.77	2.33	80.08
Roosevelt	2.17	2.93	5.52	7.66	11.98	13.28	12.22	9.70	7.58	5.78	2.88	1.61	83.31
Willcox		3.79	7.27	10.42	13.84	12.49	10.21	7.20	7.60	7.31	3.77	2.50	
Yuma	2.79	3.72	5.69	6.35	8.03	8.21	10.27			6.50	3.07	2.38	
Yuma (Citrus)	4.46	5.35	7.88	9.50	14.20	14.12	15.87	14.81	10.83	8.60	4.97	3.01	113.69
California													
Chula Vista	2.59	2.96	5.14	5.03	7.27	6.94	6.89	6.84	5.29	4.82	4.10	3.74	61.61
Oakdale	.83	1.52	4.65	4.48	9.36	10.57	15.23	13.13	10.20	5.78	3.41	1.68	80.84
Tahoe			3.54	3.43	4.21	2.95	4.56	5.17	3.35	2.18	1.82	1.42	
Hawaii													
Hoacae Upper	3.02	3.23	3.88	5.36	6.05	6.86	7.08	6.40	5.54	5.15	4.01	2.90	59.48
Maunawili Ranch	2.91	3.13	3.64	3.49	4.49	4.07	4.31	4.70	3.56	3.86	3.59	8.53	50.28
Idaho													
Arrowrock				3.63	5.53	5.49	10.10	9.21	6.67	1.86			
Deer Flat					4.32	5.29	7.88	7.20	5.34	2.91			
Jerome				3.72	6.51	6.50	5.79	7.64	5.76	3.10	2.07		
Kansas													
Tribune				7.25	7.61	10.73	9.11	9.26	7.47				
Wichita					6.72		10.28	13.44	7.02	3.44			
Minnesota													
Centerville					7.01	6.56	7.06	5.33	4.39	3.80	4.64		
Missouri													
Columbia				4.25	4.42	4.71	5.33	4.94	2.54	1.65	1.13		
University of Missouri			3.39	5.26	5.63	5.93	5.49	6.24	4.09	2.83	1.66	1.08	
Nebraska													
Lincoln				5.73	6.21	6.92	9.26	6.89	5.82	3.53			
Nevada													
Lamoille					6.43	8.20	8.73	8.55	5.84	2.59			
Pahrump	2.11		5.97	7.20	10.90	11.32	12.92					2.33	
New Mexico													
Agricultural College	3.37	2.93	6.88	9.55	12.36	11.28	11.30	8.95	7.09	6.18	3.00	1.85	84.74
Elephant Butte Dam	3.85	3.31	6.76	11.10	14.49	17.06	12.33	9.10	7.83	7.45	2.77	3.84	99.89
Gibson		1.51	3.52	7.06	13.83	18.20	12.19	8.16	7.77	6.14	2.57		
Santa Fe	1.81	0.96	5.44	6.28	8.58	10.60	8.75	6.71	4.77	3.82	1.97	1.06	60.75
Tucumcari				7.06	10.00	10.36	11.31	9.74					
New York													
Albany					5.47	6.03	5.99	5.69	3.10	2.55			
Ithaca					4.24	5.06	5.75	4.85	2.37	1.55	0.50		
North Carolina													
Chapel Hill	1.27	1.29		3.75	4.47	6.14	5.80	5.60	4.81	2.67	1.72		
Ohio													
Ohio State University				4.29	4.56	5.26	5.68	4.34	3.42	2.13			
Wooster				3.72	4.49	5.24	5.94	4.94	3.20	2.06			
Oregon													
Corvallis				2.88	4.00	4.65	5.51	6.02	3.00	2.41			
Porto Rico													
San Juan	5.74	5.61	8.32	7.01	8.30	7.88	8.16	8.90	7.24	5.54	5.22	6.32	84.24
Texas													
Beeville	3.53	2.26	4.61	3.97	7.72	8.26	7.54	8.17	4.78	3.92	2.34		
Hill's Ranch (floating pan)	2.27	2.87	2.97	3.90	5.85	6.39	6.84	7.39	3.54	3.41			
Hill's Ranch (land pan)	3.46	2.60	5.27	4.81	7.33	7.96	8.74	8.98	4.98	4.18	2.18	1.28	62.47
Spur	3.18	2.53	4.46	4.58	8.43	7.70	9.23	8.53	5.69	3.87	2.81	2.06	63.87

Monthly and annual evaporation (in inches and hundredths) for 1923—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Utah													
Myton				5.99	8.07	10.39	10.78	14.33	6.67	3.06			
Piute Dam						10.83	10.01	8.73	7.07	4.29	1.89		
Provo				3.60	6.21	6.33	6.95	6.23	3.98	2.12			
Sevier Bridge Dam				4.63	9.56	11.04	12.32	10.13	7.50	3.00			
Utah Lake (Lehi)					9.27	9.67	11.20	8.99	6.37	2.97	1.44		
Virgin Islands													
St. Croix	5.12	5.60	7.45	6.86	9.34	7.40	8.49	7.57	7.37	7.25		5.55	
Washington													
Lake Kachess					2.94	3.39	5.96	4.53					
Walla Walla			3.12	4.10	5.03	5.56	9.68	9.34	6.05	1.95			
West Virginia													
Clarksburg						6.01	5.53	5.24	3.40	2.22	1.10	0.90	

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