UNITED STATES DEPARTMENT OF AGRICULTURE
WEATHER BUREAU

REPORT

OF THE

CHIEF OF THE WEATHER BUREAU

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LETTER OF TRANSMITTAL

UNITED STATES DEPARTMENT OF AGRICULTURE
WEATHER BUREAU,
Washington, D. C., August 29, 1931.

SIR: I submit herewith a report of the work of the Weather Bureau during the fiscal year ended June 30, 1931.

Respectfully,

C. F. MARVIN,
Chief of Bureau.

Hon. ARTHUR M. HYDE,
Secretary of Agriculture.

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PART I

ADMINISTRATIVE REPORT

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REPORT

OF THE

CHIEF OF THE WEATHER BUREAU

LEGAL FUNCTIONS

In order that readers interested in the study of these periodical reports of the activities and service of the Weather Bureau may be informed regarding the duties of this bureau, it seems appropriate to cite briefly the specific acts of Congress which outline and define the functions of this Federal organization.

In the act of Congress transferring the meteorological work of the Signal Office to the Weather Bureau of the Department of Agriculture, approved October 1, 1890, the duties of the service are thus summarized:

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

All the meteorological work of the Government developed under these and older equivalent laws applicable while the Weather Bureau was a part of the Signal Corps of the War Department, up to the advent of civil aviation.

With the passage of the air commerce act, approved May 20, 1926, it was considered expedient to legally define the duties and responsibilities of the Weather Bureau relative to air navigation by the following new legislation:

> Section 3 of the act entitled "An act to increase the efficiency and reduce the expense of the Signal Corps of the Army, and to transfer the Weather Service to the Department of Agriculture," approved October 1, 1890, is amended by adding at the end thereof a new paragraph to read as follows:
>
> "Within the limits of the appropriations which may be made for such purpose, it shall be the duty of the Chief of the Weather Bureau, under the direction of the Secretary of Agriculture, (*a*) to furnish such weather reports, forecasts, warnings, and advices as may be required to promote the safety and efficiency of air navigation in the United States and above the high seas, particularly upon civil airways designated by the Secretary of Commerce under authority of law as routes suitable for air commerce, and (*b*) for such purposes to observe, measure, and investigate atmospheric phenomena, and establish meteorological offices and stations."

It seems proper to make the general statement that under these specific laws, as supported by the current annual appropriations, the activities of the bureau in all its varied lines are in a state of wholesome growth, development, and efficiency. From its very nature our work is intimately identified with reporting the constantly changing picture of the passing weather. As such we must, and we believe we may justly claim to be, figuratively "up to the minute" in our knowledge of atmospheric conditions, not only over the continental United States and its possessions, but, through international cooperation and exchanges, over the greater part of the Northern Hemisphere. This alertness to existing conditions by means of extended systems of frequent observations and reports engenders habits of promptness and efficiency that are reflected in all the work of the bureau.

It is this same widespread system of frequent simultaneous observations and reports that forms the basis for the daily forecasts, warnings, and advices as to near-future weather conditions. Thus it is seen that the forecaster, from his position of up-to-the-minute knowledge of present weather all over the world, aspires to perform the duty imposed upon him by the laws cited above by telling the public just what he thinks the weather is going to be. Even though certain conjectural factors surround the effort, the bureau believes it is fully justified in claiming that its forecasts of storms, floods, cold waves, hurricanes, etc., constitute a very valuable public service.

EXTENDING THE PERIOD OF FORECASTS

Throughout its history the bureau has made efforts to extend the period over which successful forecasts could be issued as far as practicable. With the advent of radio, giving us a more complete picture of world weather conditions, the bureau inaugurated some years ago its so-called weekly outlook, in which the forecast is made to cover approximately a week in advance. Furthermore, within its organization, studies have always been in progress to determine, if possible, methods by which forecasts for months, seasons, and even years in advance could be formulated, and such studies still constitute a part of the program of research within the bureau organization. It is believed that the views of the bureau are in accord with those of leading meteorologists throughout the world—that up to the present time no sufficiently conclusive scientific basis has been found on which to make successful forecasts of this character.

It may be mentioned again that there appear to be three methods of approach in this matter, namely, (1) the direct physical process of cause-and-effect relationship between known physical causes and attendant weather conditions; (2) the so-called periodicities or cyclical recurrences of weather phenomena, either in the sequence of conditions themselves or as correlated to some astronomical or other sequence of events; (3) the mathematical correlations between the present weather in one locality with either past weather in the same locality or the past weather in some other locality. It is only fair to say that the bureau has conducted very intensive investigations in one or the other of these possible lines of approach without as yet having found a sufficiently sound basis yielding possibilities of successful forecasting. Furthermore, the bureau is abreast of the information in these fields to be found in the literature contributed by other students in the United States and elsewhere.

OBSERVATIONS AND REPORTS

The need for more detailed information from the existing network of stations reporting to the Weather Bureau and a further enlargement of the field of observation has become urgent. Demands for specialized forecasts, clamors for extending the forecasts beyond the periods now covered, the increasing distances traveled by man in comparatively short time intervals, all combine to make it more essential than heretofore that weather information be collected speedily not only from the North American Continent but from the adjacent oceans and considerable portions of other continents.

Progress toward these ends has been made in the past year. Plans were completed to secure by telegraph much-needed additional data from the existing stations of the Weather Bureau and of the Canadian Meteorological Service. Detailed information concerning barometric changes taking place during the three hours preceding the observation, reports of relative humidity and data regarding time of occurrence and character of precipitation are the more important items provided for in the new scheme.

Furtherance of the international selected-ship program, described in previous reports, is yielding an increased number of ships' weather reports from the North Atlantic. Additional ships of United States registry were secured for making reports by radio to the Weather Bureau when in the Atlantic west of 35° West and to European meteorological services when east of 35° West. In addition, a beginning was made in the selected-ship service for the southern Atlantic, Caribbean Sea, and Gulf of Mexico.

In accordance with the program of international cooperation, radio reports were received by the Weather Bureau in increasing numbers from ships of foreign registry when in the western Atlantic. These are included in bulletins along with observations from our own reporting ships and broadcast for the benefit of marine and other interests.

Reports from United States and foreign selected ships in the eastern Atlantic, transmitted to European services, have been included in a bulletin transmitted to the Weather Bureau. During the past year a new arrangement was set up whereby ship reports from the eastern Atlantic and weather information from representative land stations in Europe and Asia are transmitted twice daily to the Weather Bureau from the British Meteorological Service through the powerful radio station at Rugby. These bulletins are being copied by the Navy radio station at Bar Harbor, Me., and forwarded to the Weather Bureau by land line. This service from Rugby corresponds to a similar bulletin containing reports from ships west of longitude 35° West and land observations from stations in the United States, Canada, Alaska, Central America, the West Indies, etc., which is broadcast twice daily directly from the Weather Bureau in Washington through the Navy station at Arlington for the benefit of European meteorological services. Through these cooperations an excellent exchange of meteorological information between America and Europe is secured.

Preparation of general forecasts and warnings as well as specialized information was facilitated by the increased number of ships' reports available from certain areas of the Atlantic and by the international exchanges.

FORECASTERS IN TRAINING

Increasing demands upon the Weather Bureau for special forecasts to serve aviation, forest protection, and numerous agricultural and other interests have made it imperative that an ample corps of trained and experienced forecasters be available. To this end the bureau has established a class of forecasters in training, funds for the purpose having been first added to the appropriations for the fiscal year just ended.

Selections for the class were made from among the employees of the bureau having the requisite educational qualifications and experience in the general work of the bureau. Training of this group began at the central office in Washington where intensive instruction was given in the preparation of weather maps and practical experience was gained in making daily forecasts of weather and temperature. A series of lectures on meteorology and the application of mathematics and physics to forecasting problems was an important part of the class work.

As this training progressed the six members of the class showing the greatest aptitude for the work were chosen to continue and the others were given appropriate field assignments.

At the termination of the detail in Washington these six employees were assigned in pairs to three important field forecast centers—those in Chicago, Denver, and San Francisco. Instruction in meteorology and related phases of physics and mathematics is being continued by correspondence from the central office.

GENERAL WEATHER CONDITIONS OF THE YEAR

Perhaps never in the history of the country, certainly not in the history of the Weather Bureau, has there occurred such a long period of deficient precipitation over such a large section of the country, designated by the term "drought," as has prevailed for the past 12 to 15 months. This entailed such serious consequences to the agricultural and industrial conditions of the country as to deserve particular descriptive discussion.

As a result of the concentrated attention by the several experts of the bureau to statistics and reports of the drought conditions and diversities of views among them as to just how droughts should be defined and their characteristics classified, a small committee was formed to propose a specific definition. For this purpose the views of certain leading field officials were invited. It is believed appropriate to give here a brief outline of the work of this committee, whose full report will be otherwise published.

There was a complete unanimity of opinion among the field men on what seemed to them to be the insuperable difficulty of formulating a definition of drought that would apply to all cases that might arise. The committee, of course, could no more define drought in all of its phases than it could religion, for example.

From the beginning the committee recognized the futility of attempting to formulate a definition against which some objection would not lie, but it had hoped that out of the discussion a method of comparing previous droughts with those of the present and those which may come in the future would arise.

On the basis of the findings of the committee the bureau will hereafter compile the following-named major characteristics of droughts, whereupon it will be possible to present an accurate picture of the drought in its essential features:

Duration.

Deficit of rainfall with respect to the normal for the time and place.

Amount of past moisture as indicated by the rainfall previous to the beginning of the drought; for example, within the previous month.

Area involved.

Statistics of areas involved in past droughts are not available, and it is doubtful whether it is now possible to compile them. The idea of making a rigid comparison of past with present or future droughts in respect of area involved is beset with difficulties, but statistics collected will be valuable hereafter.

In the last thirty-odd years several voluntary attempts have been made to compile the rainfall statistics for previous droughts. The committee referred especially to the compilations made at New York City and Nashville, which were published in the Monthly Weather Review for November, 1914, and September, 1925, respectively.

The idea which the committee had in mind was not to set an arbitrary figure which shall be considered as indicative of severe drought, but rather to have compiled for the stations east of the Rocky Mountains (roughly) statistics upon periods of deficient rainfall.

The specific definition to which these considerations led the committee is as follows:

Drought: A lack of rainfall so great and long continued as to affect injuriously the plant and animal kingdoms and to deplete water supplies both for domestic purposes and for the operation of power plants, especially in those regions where the rainfall is normally sufficient for such purposes.

In connection with these views of the experts on the question, the following more detailed account of weather conditions for this fiscal year is of interest.

In the report of the work of the Weather Bureau for the fiscal year ended June 30, 1930, details of the unprecedented drought of last summer were given up to and including August. The following is a brief summary of conditions for the subsequent months of 1930, for the year as a whole, and for 1931 through July.

After the disastrous summer drought, the fall months of 1930 brought substantial relief throughout the Southern States, and also rather generally in all sections from the Mississippi Valley westward to the Rocky Mountains, practically all parts of these areas having more than normal rainfall. Deficiencies continued, however, from the Ohio Valley northward and eastward, particularly in the middle-Atlantic area, where most places had only about half the normal, or even less, especially the Virginias, Maryland, and Pennsylvania. The fall rains in the winter-wheat belt were opportune and very favorable in permitting the preparation of land and the seeding of grain and in promoting good germination and early growth. They were also helpful for fall crops of all kinds in the Southern and South-Central States.

Complete records for the 12 months of 1930 show that Oregon, Missouri, Tennessee, Kentucky, Indiana, Ohio, Michigan, West Virginia, Virginia, Maryland, Delaware, New Jersey, Pennsylvania, New York, and New England had the driest year on record. In Kentucky, West Virginia, and Virginia the 1930 rainfall was 20 per cent or more below the previous low record, while in Maryland it was about 30 per cent below the lowest for any year since State-wide data have been maintained. Forty of the 48 States had below-normal rainfall. The final figures for the year as a whole conclusively show that the 1930 drought easily takes first place for severity in the climatological history of the United States.

Following the fall rains over wide areas, the winter (December–February) was remarkable for abnormal warmth and dryness over much the greater portion of the United States. The temperature averaged from 4° to 16° above normal in central and northern areas of the country, and there was a marked absence of extremely cold weather, with subzero temperatures confined to the Northern States. Precipitation was generally scanty. It was the driest winter of record in Alabama, Indiana, Illinois, Michigan, Wisconsin, Iowa, Minnesota, North Dakota, Montana, Wyoming, and Oregon, and the driest since 1900–1901 in New York, New Jersey, Pennsylvania, Maryland, West Virginia, Kentucky, and South Dakota, and, with one exception, the winter preceding, also in Virginia. Only five States had as much as normal rainfall.

The accumulation of snow in the western mountains, which supplies water for irrigation purposes, was also markedly deficient. In western Utah, Nevada, Arizona, and practically all portions of the Pacific Coast States the winter ended with the smallest, or nearly the smallest, supply of stored snow in the mountains that has been known for 20 years. Also the shortages were marked in Montana, especially from the crest of the Continental Divide eastward. The least shortages were in the Rocky Mountain States from central Wyoming southward, where some drainage areas had about the normal amounts. New Mexico was the only Western State having as much as the normal winter snowfall.

The spring months (March–May) of 1931 had very favorable rains, mostly above normal, throughout the Atlantic areas. In the central valley States, where drought was severe last year, the totals for the season were near normal, though all States between the Rocky and Appalachian Mountains had deficiencies, with the greatest shortages centering in the Northwest, principally in North Dakota and Montana. Except in the Northwest and in some more western districts, the spring season rather generally had sufficient moisture for crop needs. At the beginning of summer the Atlantic area and the Ohio and middle-Mississippi Valleys were much better supplied with soil moisture than at that time last year, but the Northwest had considerably less than a year ago, and rain was badly needed over considerable areas.

June was very warm in the North and extremely dry in much of the South, especially the Southeast, while the Northwestern States continued markedly deficient in moisture, particularly the eastern Great Basin, Idaho, Montana, and the Dakotas. The acute drought condition that developed in the Northwest was due to a combination of deficient precipitation in the present year, coupled with an accumulated shortage in recent past years. In Iowa and North Dakota this is the third year with deficient rainfall and in Montana the fourth, while in Minnesota it has been deficient every year since 1919. In other sections there was sufficient rain to maintain crops in generally good condition, especially in much of the area that suffered most last year.

July was warm and dry in the central and northern sections of the country, especially in the western and northwestern Corn Belt, but in the South and East there was mostly abundant rain, and crops made unusually good progress. Small grains in the Northwest suffered severely from the heat and drought, while corn, potatoes, and other row crops deteriorated badly in many places from the western Lake region and upper-Mississippi Valley westward. There was insufficient moisture for pastures and hay rather generally in the central valleys and the Northwest, and much feeding of stock was necessary in many central-northern localities, but in the East and South conditions, as a whole, were highly favorable.

Table 1 contains a summary of precipitation data for all States, arranged geographically, since the beginning of the 1930 growing season, up to and including July, 1931, as follows: Spring, summer, and fall of 1930; winter of 1930–31, and for the months of March to July, 1931, separately. The contrast between this summer's rainfall and that of last year has been especially marked over a wide belt extending from the central-Mississippi Valley eastward to the Atlantic Ocean, where last year's shortages were the greatest. For example, the average July rainfall last year in Arkansas was only 20 per cent of normal, compared with 157 per cent this year; Tennessee, 54–110; Missouri, 24–81; Illinois, 30–88; Indiana, 53–91; Kentucky, 30–93; West Virginia, 41–106; Virginia, 38–117; and Maryland, 36–105.

TABLE 1.—*Percentage of normal precipitation by seasons, spring, 1930, to winter 1930–31, and for March–July, 1931*

	1930			1930–31	1931				
	Spring	Summer	Fall	Winter	March	April	May	June	July
New England	95	89	79	71	116	89	127	164	114
New York	97	85	68	71	76	112	136	93	137
New Jersey	68	87	75	62	107	78	100	131	92
Pennsylvania	80	62	52	62	84	99	132	90	121
Maryland and Delaware	64	48	41	61	117	92	125	92	105
Virginia	62	51	52	67	96	110	138	75	117
North Carolina	67	69	94	70	85	116	120	52	102
South Carolina	75	71	116	72	75	106	131	46	91
Georgia	95	75	151	68	62	84	99	41	83
Florida	155	93	113	110	171	167	85	32	82
Alabama	78	66	182	62	66	80	84	35	105
Mississippi	93	47	154	70	80	45	90	55	181
Louisiana	79	56	165	93	89	48	73	42	100
Texas	98	56	139	132	121	73	66	61	118
Oklahoma	93	67	98	118	136	84	62	50	113
Arkansas	93	36	131	74	89	54	69	65	157
Tennessee	86	50	97	66	71	81	67	43	110
Kentucky	50	43	61	56	78	112	63	66	93
West Virginia	64	53	44	67	89	117	130	73	106
Ohio	65	56	66	53	62	134	85	92	98
Indiana	54	61	80	42	79	90	74	94	91
Illinois	57	60	93	40	86	79	106	82	88
Michigan	82	62	69	54	92	60	103	111	60
Wisconsin	83	81	80	46	101	48	49	114	57
Minnesota	92	69	126	37	108	43	75	95	66
Iowa	78	83	85	39	95	78	65	83	71
Missouri	59	54	111	69	100	81	97	60	81
Kansas	96	84	149	60	168	93	76	54	70
Nebraska	130	89	138	53	158	56	63	64	57
South Dakota	87	74	124	37	114	36	63	69	52
North Dakota	83	67	115	40	113	31	55	67	116
Montana	85	68	120	38	92	48	43	52	116
Wyoming	87	143	103	41	105	73	84	67	98
Colorado	87	123	103	59	88	67	94	83	87
New Mexico	85	103	123	118	118	228	92	56	95
Arizona	160	123	110	120	20	166	83	179	103
Utah	91	151	121	35	58	75	67	41	79
Nevada	139	85	157	42	51	87	45	96	38
Idaho	110	93	94	51	154	66	41	46	45
Washington	90	56	71	79	177	95	52	222	24
Oregon	85	47	70	45	133	67	37	185	2
California	95	26	78	51	38	75	95	249	44

RIVER AND FLOOD CONDITIONS

There were no important floods in any part of the country in the year that ended on June 30, 1931. In fact, on account of the protracted period of dry weather, many streams were unprecedentedly low. In the Mississippi system the lowest stages were above the confluence of the Ohio; over the Ohio basin there was enough rain to give stages below Cairo that were comparatively higher than those that prevailed in the upper valley. The St. Louis stages are fairly representative of the entire drainage of the upper Mississippi Basin, as the increment between the mouth of the Missouri and the mouth of the Ohio is small, and at St. Louis, between July 1, 1930, and June 30, 1931, the range in water level was from 13.3 feet down to 1.9 feet below zero. Daily readings have been made at St. Louis since January 1, 1861, and in the entire series of records no like period of low stages can be found. It can, therefore, be safely said that less water reached Cairo from the upper Mississippi in the year ended June 30, 1931, than in any other year for which records are available. This can be said despite the fact that low-water readings are not as nearly comparable as high-water stages. Some low stages are caused by severe freezes and others are due to the fact that the river, unaided by dredges, will cut its way through bars in a protracted period of low stages. (The stages that have prevailed at St. Louis since June 30, 1931, are lower than those of a year ago.)

There was no necessity for the issuance of flood warnings, but the period was valuable for the river forecasters, inasmuch as it afforded an opportunity for the uninterrupted study of forecasting methods, based on the long series of data that are available at most river-district centers.

Requests for river-stage data have increased considerably on account of the development of all branches of hydraulic engineering. In the past year especial attention has been given to the accurate recording of low-water stages, as the demand for low-water data is second in importance only to the extremely high stages.

Gage and bench-mark descriptions have not been published since 1928. This information is used constantly by hydraulic engineers, and it is being thoroughly revised by publication in Daily River Stages for 1931.

Weak spots that have appeared in the observational and reporting system have been strengthened where possible by the addition of river-stage and rainfall stations.

In the Colorado Basin work has been continued on an intensive scale to enable the forecasting of the discharge of the lower Colorado in cubic feet per second. These forecasts have been largely for use in preliminary work in connection with the Hoover Dam, and as construction work progresses they will become still more valuable.

Advantage has been taken of the low water to repair and adjust river gages. The encouraging progress that has been made has been, of course, due in good part to low rivers, but it was in a greater measure made possible by the assignment of two Weather Bureau men to the technical inspection of river gages and to the repair work shown to be necessary by the inspections. Weather Bureau problems, involving the forecasting of both ordinary stages and flood heights, differ so greatly from other hydrologic problems that it has been found quite necessary to have instrument men trained in Weather Bureau practice, and thoroughly familiar with the public demands that must be met by the bureau, to make the surveys at and around the river-gage stations. More instrument men are needed, but under the existing conditions no effort is being made to obtain them.

Valuable aid has been given the bureau by the Army engineers and engineers of the United States Geological Survey in the repair and adjustment of gages. In most cases the Weather Bureau has reimbursed the cooperating services by a transfer of funds for the work done. In other cases the work has been performed on a purely cooperative basis.

Snowfall measurements in the mountain snow fields of the Western States have been continued. This work is rapidly assuming a character that is more local than the Weather Bureau can properly handle, and efforts are being made to reach an agreement under which the bureau will carry on general observations or measurements that may be considered representative of large regions, while towns and irrigation or power plants will make the very intensive surveys in the smaller basins from which they draw their supplies of water.

AEROLOGICAL ACTIVITIES OF THE WEATHER BUREAU

It is well understood that there has been, since the passage of the air commerce act in 1926, a very active extension of the work of the Weather Bureau in its aids to the navigation of the air, and this topic has been well covered from year to year in the reports as submitted. Notable extensions were made in this program of work during the last fiscal year, and at the same time the urgency for economy has called for special consideration, resulting in very appreciable savings being made from the appropriations. This has been brought about, without impairment of the service, by the elimination of some of the least important features and by the postponement of some part of the program of fixed expenditures, awaiting more urgent need thereof on the part of transport activities. Naturally, the depression has affected the latter activities and lessened the urgency for extensions originally contemplated. This policy of conservatism will characterize the program of work for the ensuing year.

WEATHER BUREAU STANDARD OF ANEMOMETRY

Stations of the Weather Bureau, from their origin, about 1872, to the close of 1927, used only one fixed type of Robinson 4-cup anemometer for all measurements of wind movement and velocity. The cups were of hemispherical form, 4 inches in diameter, mounted on slender steel arms nominally 6.72 inches from the axis of revolution to the centers of the open faces of the cups.

Between the years 1888 and 1890 these anemometers were given a somewhat limited series of calibration tests, first by means of a hand-driven whirler installed in the large closed court of the Pension Building. When this equipment was used at night, when the air within the great court was exceptionally still, the anemometers could be whirled in a great circular path about 56 feet in diameter. Limited to hand power, however, the test velocities did not exceed about 35 miles per hour.

Subsequently the performances of the anemometers were checked in the high natural wind velocities which occur with frequency on the summit of Mount Weather. To give strength to the results for higher velocities, flat, thin pressure plates normally exposed to the wind stream were also tested for pressure coefficient per unit area.

The results of both lines of tests have been completely sustained by the wide extension of aerodynamic knowledge made possible by the advent of aeronautics and the development of wind-tunnel test laboratories of the highest order.

Briefly presented, the results of the investigation ending in 1890 are as follows:

Under ordinary open-air conditions, relatively thin flat plates, ranging from 1 to 3 feet square, exposed normally to the wind, will experience a total wind pressure, in pounds per square foot, given by the equation

$$P = 0.004 \frac{B}{30} W^2 \qquad (1)$$

In this equation B represents the average barometric pressure. The ratio $B \div 30$ is needed in case wind-pressure values are desired at localities which are some distance above sea level. The wind velocity represented by the term W must be the true or corrected velocity if derived from indications of the cup anemometer. The tests led to the conclusion that this true velocity could be obtained from the standard 4-cup anemometer by the following equation:

$$\log. W = 0.509 + 0.9012 \log v \qquad (2)$$

in which v is the linear velocity of the centers of the cups; that is, the indicated velocity $V \div 3$.

The pressure formula in (1) is believed to still quite correctly represent wind-pressure conditions on engineering structures in the open air, and it has also been found that the table of true wind velocities by equation (2), as published in 1890, when extended far beyond the highest test velocities to indicated velocities of 120 miles per hour, gives what the latest tests show are true wind velocities within a variation which attains a maximum difference of less than 2 miles per hour at 120 miles per hour indicated velocity.

These very satisfactory interpretations of the performance of the Robinson 4-cup Weather Bureau standard anemometer were attained by the present chief of the bureau in his former position in charge of the instrument division.

While it was quite unknown how really reliable at high velocities were the tests made in 1890 arrangements were made in 1922 with the director of the Bureau of Standards to carry out, in the wind tunnels of that bureau, new tests of various cup anemometers at the highest attainable velocities. This new undertaking was entrusted to Sterling P. Fergusson, of the instrument division of the Weather Bureau, assisted by his associate, Roy N. Covert. Officials in charge of the wind tunnels at the Bureau of Standards cooperated in the most cordial way to make a thoroughgoing success of the very considerable number of tests carried out, and the body of observational results is believed to be among the very best of this character available up to the present time.

About this time John Patterson, now director of the Canadian Meteorological Office, also undertook, independently, certain tests of the cup anemometer, and was led to the conclusion that the 3-cup wheel presented certain advantages over the 4-cup wheel. On the basis of Mr. Patterson's work, 3-cup wheels were given very extended tests in the Weather Bureau experiments at the Bureau of Standards, with the ultimate result that, beginning January 1, 1928, instructions were issued to all Weather Bureau stations to replace the old standard 4-cup anemometer by new instruments of the 3-cup type. The essential features of this action were published in the Monthly Weather Review for April, 1924.

In order to meet the needs of aeronautics, particularly with reference to the phenomenon of gustiness of the wind velocities and its effect upon the problem of airship maneuvering and operation, the chief of the bureau himself undertook certain investigations, by means of very light magneto types of anemometers, and in the course of these certain questions arose leading him to an entirely new analysis of the original observational data obtained in the tests at the Bureau of Standards. This work has been carried out with unusual thoroughness, because it developed that some of the claims for superiority of performance of 3-cup anemometers were by no means borne out by his rigid method of analysis. Moreover, all parties engaged in these studies are in perfect agreement concerning the performance of 4-cup anemometers, about which decidedly the largest body of test information is available. In contrast to this, the wind velocities of the 3-cup anemometers, as shown by at least one or more station records, are in conflict with corresponding records previously made by the 4-cup anemometers.

Because of these circumstances, taken in connection with the fact that the test of the performance of the 3-cup anemometer has been represented thus far only by certain graphic diagrams, and is not on any very definite, tangible basis corresponding to the definite equation like (2), established in 1890, it has been decided to be most proper for the bureau to return to the 4-cup standard, on or before January 1, 1932, if practicable. This will bring about the greatest homogeneity in wind-movement velocity records of the bureau from its earliest days to the present time. The records accumulated during the interim between 1927 and 1932, while the 3-cup anemometer was used as the standard, will be coordinated in some proper way with the old and new records from the 4-cup instruments.

In order to make this brief report of the researches upon anemometry fairly complete, it is necessary to present the principal mathematical equations which suffice to completely represent the performance of any Robinson anemometer having cups from 4 inches, or somewhat less, in diameter to 5 inches or slightly over, on arms ranging from 3 or 4 inches long to 10 or 15 inches in length.

For such anemometers it is found that if L be the length of arm, then

$$b=\frac{5247.8-17.78\,L}{L+0.7976} \qquad (3)$$

In this equation b is a number which expresses the maximum or limiting number of turns which the cup wheels tend to make per mile of wind travel as the wind attains higher and higher velocities. At low and moderate velocities our investigation shows that cup wheels of all kinds make a relatively small and moderate number of turns per unit wind travel. For each cup wheel this number increases, rapidly at first, thereafter more and more slowly, and approaches asymptotically to the value b as hurricane wind velocities are attained. This quantity b is a fundamental characteristic of the performance of each cup wheel, and, as equation (3) above indicates, it is dependent quite wholly upon the length of the cup wheel arms.

It is quite certain there are minor secondary effects upon the value of b, due to the size and number of cups (doubtless limited to three or four) and to frictional restraints active at high velocities, as well as structural features of the cup wheels. While the whole body of tests made at the Bureau of Standards was quite diverse and generally self-consistent, nevertheless it was quite impossible to definitely segregate and evaluate the minor secondary effects mentioned from irregular accidental variations, and it is gratifying to find that this important limiting value of the constant b for all cup-wheel anemometers such as used at meteorological stations can be computed in any case by equation (3).

As we have mentioned, the actual number of cup-wheel turns per unit of wind travel depends upon the velocity itself. Let this number be represented by N and the true velocity W, hence the product

$$NW = \text{cup-wheel turns per hour.}$$

Now, in all practical uses of cup-wheel anemometers a certain arbitrary number, like 500, is chosen in the old standard anemometer, or 640 in the 3-cup instrument, as the assumed constant number of cup-wheel turns per mile of wind travel. These numbers are incorporated in the fixed gear trains of the instruments, and in practically all station anemometers so-called mile marks are electrically registered, thus giving what is called the indicated velocity V. Calling the arbitrary chosen number A, we have another product,

$$AV = \text{cup-wheel turns per hour.}$$

Finally, the basic equation of all anemometry becomes

$$NW = AV \qquad (4)$$

and our whole investigation gives us for any anemometer

$$V=\frac{bW\,(W-Wo)}{A\,(W+a)} \qquad (5)$$

In this equation Wo is a small friction constant for low velocity effects and represents the velocity of the wind which is just adequate to keep the cup wheels in very slow motion. We have found it best to assign a fixed value to this constant of from 0.5 to 1.5, according to whether the axis turns very freely, as in ordinary instruments, or with some resistance as in the magneto anemometers. The constant a is also a small one like Wo. Both are nearly the same for all anemometers tested, and the value of a ranges from about 2.0 to 3.0 for instruments like the 3 and 4 cup standards.

The findings show that under like conditions of friction, size, construction, and choice of gear train, as represented by A, 3-cup and 4-cup anemometers perform practically alike.

Supplying the final numerical values to equation (5) we get the working equation for the old 4-cup standard, as follows:

$$V=\frac{681.1\ W\ (W-0.67)}{500\ (W+3.04)} \qquad (6)$$

This equation will be found to give almost the same values of W and V as equation (2) within the velocity range of V between 10 and 120 miles per hour, but (6) may be safely extended to indicated velocities as high as 200 miles per hour, and values will check out closely with the highest observed tests at nearly 140 true, or 184 miles per hour indicated velocities.

More complete details of this subject will be published in the Monthly Weather Review.

PART II

GENERAL SUMMARY OF THE WEATHER CONDITIONS IN THE UNITED STATES DURING THE YEAR 1930, WITH CHARTS

LIST OF OBSERVING STATIONS AND CHANGES THEREIN DURING 1930

SUNSHINE, 1930

DETAILS OF EXCESSIVE PRECIPITATION, 1930

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REVIEW OF THE WEATHER CONDITIONS DURING THE YEAR 1930

Severe drought over a large part of the country was the leading feature of 1930. The region most afflicted extended from the southern portion of the Middle Atlantic States westward to the central valleys and thence southward a considerable distance toward the Gulf coast. In the Pacific Northwest also there was unusual dryness.

In a belt extending from Maryland to central North Carolina and thence westward over the Ohio Valley to the Ozark region numerous stations reported the annual total precipitation as the least of record. In a few cases it computed actually less than 50 per cent of the normal.

While practically all seasons saw deficient precipitation in the areas named, yet the principal shortage set in usually during June or late May, or at any rate not later than the middle of July. As a result of this time of starting, the fall-sown grains were largely beyond chance of serious harm from dryness before the acute period began. The corn crop, however, was very adversely affected, and pastures were reduced to unusually bad condition, so that livestock was shipped away or thrown hastily on the market, or else fed from August onward from supplies gathered for winter use.

The farmers of Maryland, according to State experts, lost $40,000,000 because of the drought while the similar figure for Virginia was $70,000,000.

The Appalachian forests experienced unusually great fire losses, and large-sized streams almost or quite ceased to flow, while thousands of wells failed, compelling expensive hauling of water.

As usual when marked drought occurs, unusually high temperatures were recorded over substantially the same area. Many stations and several States noted the highest temperature marks of record; also monthly mean temperatures exceeding any previously known were sometimes recorded.

Parts of June and the first half of July were intensely hot in certain States. The most important hot period, however, was from about July 17 to August 9, and for much of the Mississippi Valley and the region to eastward this period surpassed for average temperature any previous period of equal length; but as it comprised portions of two months and was widely preceded and followed by comparatively cool weather, the majority of stations with records exceeding 30 years did not reach record-breaking means for any one month.

A week or less before the end of August another period of great heat arrived and continued till after the 1st of September.

The amount of rainfall for the crop-producing period is indicated on Chart 2, while the departures of precipitation and of temperature for this period are presented by Charts 3 and 1, respectively. On Chart 3 the severe shortage of rainfall from the vicinity of Delaware and Chesapeake Bays and central North Carolina westward to eastern Missouri and northern Arkansas is apparent, also the considerable shortage in much of the Lake region, the lower Mississippi Valley, and the nearer Southwest. Rainfall above normal appears in Florida and much of Georgia, also generally from central Nebraska westward to southern Idaho and northern and central Nevada, with a large part of Arizona.

The temperature excess of the 7-month period, shown on Chart 1, was marked in the upper Mississippi Valley, the Dakotas, and Montana; yet nearly all the country averaged somewhat warmer than normal. Exceptions were found in interior California and along the Gulf coast.

For the first and last few months of the year temperatures were mainly below normal in the western third of the country and in many south-central and southeastern districts, so the entire year averaged cooler than normal in most areas between the Rocky Mountain crest and the vicinity of the Pacific coast, also in a fair-sized portion of the South.

JANUARY

The month was cold in most sections, the Eastern States and the southern part of California being the only areas where the temperature averaged even slightly warmer than normal. In several States from Florida to Vermont and Massachusetts the month averaged 2° to 3° warmer than normal, while from Washington and northern Idaho to Montana and the central and southern Plains it averaged 12° to 15° colder than normal. Many stations from the north Pacific coast to the Black Hills and southward to Texas reported it the coldest month appearing in their records.

From the Mississippi River eastward the first half of the month was mild, but the remainder usually colder than normal, except close to the Atlantic coast. In the far Northwest the most severe cold prevailed during the second decade and onward in the third until about the 28th. In the Plains and the West Gulf States, however, the abnormal cold weather was of briefer duration, lasting from about the 15th to 25th. Numerous stations in Texas and adjoining States noted the lowest temperature marks for many years, sometimes since 1899, these usually occurring about the 18th.

The precipitation was decidedly heavy from the coast of Louisiana and eastern Texas to the central valleys, Indiana, and northwestern Ohio. This region received heavy rains about the 7th to 10th. As a rule there was somewhat more precipitation than normal in a broad area from Nebraska and Kansas southwestward to the southern California coast.

The monthly amounts were much less than normal in the Pacific Northwest and the Appalachian region and somewhat less than normal in most of Texas and New Mexico and from the northern Rocky Mountains eastward to northern Michigan.

The snowfall was not of unusual amount in the northeastern and north-central portions or the Appalachian region, but from the south-central Rocky Mountain region eastward to the central valleys it was comparatively large.

FEBRUARY

In marked contrast with the severity of January was the mildness of the month that followed. From the Rocky Mountain crest eastward to or beyond the Mississippi River, February was almost or quite the mildest winter month ever known, South Dakota and Nebraska averaging more than 14° warmer than normal, while every State in the country averaged more than 2° warmer than normal. As a rule, the warmest weather came about the 18th to 25th.

The month was marked by scanty precipitation in most States, the chief exceptions being from the Dakotas to the upper Lakes and Arkansas with parts of the States adjoining. There was a marked shortage compared with normal in southern California and from Mississippi, Alabama, and northwestern Florida to southern Virginia.

The snowfall was mostly far less than normal, and the southern limit, from the Texas Panhandle eastward, was usually at about latitude 36°. Fairly large snowfall occurred from the Dakotas to the vicinity of Lake Superior and in parts of the Northeast.

MARCH

March was cooler than normal, on the whole, in the south-central and southeastern portions, while milder than normal in the northern districts. The precipitation was scanty over a decidedly large part of the country.

The first decade of March was mainly warmer than normal. The week from the 11th to the 17th was much warmer than normal in most districts, but the final fortnight averaged cooler than normal except in the far West.

The month, as a whole, averaged warmer than normal along the Canadian border, also southward near the Atlantic coast as far as Chesapeake Bay, in practically all portions of the Missouri and upper Mississippi Valleys and in the Pacific region and nearly all of the Plateau region. On the other hand, from Texas to South Carolina the month averaged about 3° or 4° cooler than normal, and it averaged somewhat cooler than normal as far north as central Virginia, the northern limit of the Ohio watershed, Missouri, Kansas and southern Wyoming, and and as far west as the lower Colorado River.

The month's precipitation averaged less than normal in 40 out of the 48 States. The shortage was marked in the middle Plains, and was unfortunate there because of previous scarcity of moisture. Most of the middle Plateau and of the North Pacific States, also North Dakota and of the districts adjacent to it, received much less precipitation than normal.

In the Missouri, Mississippi, and Ohio Valleys, the upper Lake region, and from northern Georgia to southern New England there was usually a shortage. The prolonged drought in the Ohio Valley started in March, likewise the drought in districts just east of the Cascade Mountains.

More than normal precipitation was recorded in the lower Lake region, most of New York and northern New England, and in a large part of the Southeast, particularly in central and northeastern Florida. West of the Mississippi River there was more precipitation than normal in some parts of Texas and New Mexico, most of Arizona and southern and central California, and considerable portions of Idaho, Montana, and Wyoming.

In general, the snowfall of March was not of much importance, but large parts of the Ohio Valley and the Lake region had heavy snowfall in connection with a severe storm about the 24th to 27th.

APRIL

While not so notable for abnormal warmth as February had been, April was a surprisingly warm month in most of the country, particularly between the Mississippi River and the Cascade-Sierra Mountains, where it was found at many points warmer than any other April of record. The opening fortnight was especially warm for the time of year. From the middle of the month onward considerable cool weather occurred in the north-central and northeastern districts, so that in most of New England, the Middle Atlantic States, and the eastern lower Lake region the month as a whole averaged a little cooler than normal.

More than three-quarters of the country received less than the normal April precipitation, including most of the Atlantic coast region, nearly all of the south-central portion and the far Southwest, the middle Rocky Mountain region, and the vicinity of Lake Superior, with well nigh all of Minnesota. Among regions where liberal April rainfall is expected, a decided shortage was found from eastern Texas and Oklahoma eastward to the southern and central Appalachians and northeastward over practically all the basin of the Ohio River. Mississippi averaged less than a fourth of its normal April amount, while outside the most affected areas Minnesota and New England averaged but little over one-half.

The month's precipitation exceeded the normal in most of Florida and some parts of Georgia and South Carolina, in a few parts of the Lake region, in northernmost districts from Montana to the Pacific coast, a large part of Oregon, and especially in most of the northern and middle Plains and much of western and southern Texas.

MAY

Except that abnormally high temperature marked the first two weeks in the eastern half of the country, the tendency of May was to temperatures below normal. The north-central and northeastern portions, and especially the Appalachian districts were visited by an unseasonable cool spell during the last four days of the month.

May averaged warmer than normal almost everywhere east of the Mississippi River, especially in the middle Atlantic and southern New England coast districts; also a trifle warmer than normal in much of the west Gulf region and part of Montana. Otherwise the month averaged cooler than normal, particularly in North Dakota, the southern half of the Plateau region, and the interior of California.

May's rainfall was unevenly distributed, and in most of the East was decidedly scanty. However, in a considerable area centering in the lower Mississippi Valley the amount was very large, owing particularly to downpours during the second and third weeks of the month. The second week brought decidedly beneficial rains to the middle portions of the Plains.

The precipitation of May, as a whole, was greater for most of the country than the amounts of the earlier spring months had been. The States of the western half more usually received above-normal amounts than the States of the eastern half, yet in the western half considerable shortages were noted in Montana, western North Dakota, and the Black Hills region; also in central New Mexico and a few other districts. In the eastern half there was a belt with notable excess extending from eastern Oklahoma and northeastern Texas eastward to the southernmost part of the Appalachian region, while elsewhere a few small areas showed excesses, usually slight. Well-marked deficiencies were found from western Florida northeastward to Maryland and New Jersey and thence westward and northwestward to include almost the entire Ohio Valley and much of the Lake region.

JUNE

Though unseasonably cool weather prevailed over a large area as June began, yet the month, as a whole, averaged warmer than normal over fully half of the country, notably in the Northeast and parts of the Southwest. The rainfall was poorly distributed, being decidedly scanty in the lower Mississippi Valley and nearly as light over a great part of the Ohio Valley. In the former this month, or, more exactly, the latter part of May, marked the beginning of a period of severe drought.

The cool weather which prevailed over most of the eastern half on the first few days caused the lowest or almost the lowest June temperatures of record in the Ohio and lower Mississippi Valleys and to eastward. Warmth quickly arrived in the northeasternmost States, and the first decade of June averaged warmer than normal in the Northeast and nearly everywhere west of the Rocky Mountains, though cool from the Plains and west Gulf regions to the South Atlantic area. Substantially the same temperature situation continued till about the middle of the month or in the Southeast even till about the 20th. Except as just noted, the final fortnight of June was nearly all warmer than normal in the sections east of the Rocky Mountains, but cooler than normal to westward. The final 10 days included some very hot weather in the middle and southern Plains and districts lying east of them.

The month averaged nearly 5° warmer than normal in New England, where it was the hottest June of record, and it was somewhat warmer than normal in other northeastern districts; also nearly everywhere along the northern border and in Colorado and New Mexico and thence westward to the Pacific. It averaged moderately cooler than normal in much of the far Northwest and from Nebraska and Iowa southward and southeastward to the Gulf and south Atlantic coasts.

The rain that fell was fairly well distributed through the month, yet there was usually less during the final decade than during either the first or the second decade. Over the country there was poor distribution and, as a whole, there was a decided shortage. For much of the Ohio and lower Mississippi Valleys it was the driest June of record. The middle and southern Appalachians, the interior portions of the South Atlantic States, the States from Montana to Colorado and western New Mexico, with nearly all of the Dakotas and western Nebraska, and much of the northern Plateau region and Oregon had less rain than normal, and usually the shortage was considerable.

In the Florida Peninsula, especially the southeastern part, there was more than normal rainfall, this month being the last and the wettest of a succession of very rainy months. Generally near the south and middle Atlantic coasts, near Lakes Ontario, Huron, and Superior, in much of Wisconsin, Iowa, and northern Missouri, and in most of central and northeastern Oklahoma, eastern Kansas, and southwestern Texas the rainfall exceeded the normal, also, in the far West, in considerable parts of Arizona, Utah, and Washington.

JULY

July was one of the hottest months in the history of the weather service and was also one of the driest summer months of record.

In the Lake region and the Northeastern States, also in portions of the Southwest and the Pacific States, the first half of the month was not so hot as normal; but meantime marked heat prevailed in the Plains and the northern Rocky Mountain regions, and after the 5th in the central valleys and most of the Southeast. During the latter half there was much weather not so hot as normal in portions of the Southeast, the Rio Grande Valley and the far West; but practically all other portions of the country experienced intense heat, and many new records were set about the 20th or during the final week. From the lower Mississippi Valley to the south Atlantic coast the month was one of the hottest ever known. Over a large part of the Missouri Valley the month was about 5° hotter than normal.

The rainfall was poorly distributed over the country, and there was poor distribution also through the month. Generally in northern and middle sections east of the Plains the opening week was the time of most plentiful rains, but in the Southeast there were liberal rains during the last half.

July's total rainfall was less than normal in nearly all portions of the country. The chief exceptions were some small areas in the Lake region or close to the Atlantic coast and a large area from southeastern Idaho and central Wyoming southward to the central portions of Arizona and New Mexico. A few stations in New Mexico, Colorado, and Arizona measured more than 7 inches.

In Missouri and Arkansas the average amounts of the States were less than one-fourth of the normal, and from southern Illinois, southeastern Missouri, and the western portions of Kentucky and Tennessee southwestward over northeastern, central, and southern Arkansas and northwestern Mississippi to northern Louisiana there was hardly any rain at all; indeed, several stations in this strip had not enough to measure.

Severe dryness continued in the Ohio Valley, and in the southern Middle Atlantic States, where almost all preceding months of 1930 had been somewhat drier than normal, marked drought began about the 8th. By the close of the month serious dryness prevailed over most sections east of the Rocky Mountains, the chief exceptions being the majority of the Atlantic States and of the districts near the Gulf coast and considerable parts of the Lake region.

Within most of the area where heat and scanty rainfall were noteworthy there was unusually abundant sunshine and the percentage of humidity was decidedly low. This last factor made the conditions less uncomfortable for men and animals, but worse for plant life.

AUGUST

August was mainly a hot month, the first eight to ten days especially being marked by a continuation of the severe heat that had prevailed widely during the latter half of July. The dryness that had become so serious over a great part of the country before July ended continued in nearly all the afflicted areas and, as a rule, became even more intense, while some States which had fared comparatively well during July received in August but a small portion of their normal rainfall.

The first decade of August was mainly hot, and temperatures averaged decidedly above normal from the northern portions of the Rocky Mountain and Plains regions southeastward to the Middle Atlantic coast and the southern Appalachians; however, most of the far Southwest was not so warm as normal at this time. The middle decade of the month and the first half of the final decade were mainly cool in the eastern half, but the last few days of the month were hotter than normal in most sections.

The entire month averaged cooler than normal only in limited areas. In North Dakota the month was as hot as any preceding August of record, and in most northern districts save east of the lower Lakes it was considerably hotter than normal.

Almost throughout the Mississippi and Ohio Valleys remarkably high temperatures were noted on various days before the 10th.

Once more, scanty precipitation over the eastern half of the country was a conspicuous feature, no State therein receiving its normal amount, on the average, and about one-third of them falling below half of the normal. The deficiencies were especially large in nearly all districts from Georgia to southwestern New York and from Michigan to Minnesota. Much of the Ohio and lower Mississippi Valleys, where July had been extraordinarily dry, received more than half the normal August supply, so that some improvement of conditions resulted. However, from Arkansas and Mississippi northeastward to the southern Middle Atlantic States, the summer season of 1930 was the driest summer of record.

Over the western half of the country considerable deficiencies of precipitation in August were noted near the Canadian boundary, in the southern half of the Plains, and in the near Southwest. Other western districts usually had nearly or fully as much rain as normal, and there was an excess from Nevada northeastward to the middle Missouri Valley, particularly in southern, central, and western Wyoming and southeastern Idaho.

SEPTEMBER

The weather was again mainly warm and dry, and these conditions were felt chiefly in the east-central, northeastern, and north-central portions. In most sections, however, there was a marked turn to cooler shortly before the month ended.

September, as a whole, averaged from 4° to 8° warmer than normal over a strip from the Carolinas to southern New England and in nearly all other portions was somewhat warmer than normal. However, in most of California and the southern Plateau area the month averaged moderately cooler than normal.

Liberal rainfall occurred before the middle of the month in most districts from Kansas, Missouri, and the lower Ohio Valley southeastward to the middle and east Gulf and south Atlantic coasts, and practically all this area had monthly amounts greater than normal, notably a strip from southern Louisiana to the western portions of Georgia and Florida. Likewise the middle and northern Plateau and many districts close to the northern border from Montana to western Lake Superior had more than normal rainfall. But considerably more than half the country had less than normal, including most of the Pacific Northwest, the Southwest, the middle Rocky Mountain area, the northern Plains, the Lake region, and the upper Ohio Valley. There was an especially large shortage in most of the middle and northern Appalachian region and of the Atlantic States from Virginia to New England.

OCTOBER

There was a decided change in the general trend of the weather. After many months during which the country had excessive warmth, on the average, with nearly always deficient precipitation and never a marked excess of it, this month averaged below normal temperature almost everywhere, and precipitation averaged about normal, though many parts of the eastern and western thirds of the country had less than normal.

While the first half of the month was mainly warmer than normal, especially east of the Plains, the second half was colder than normal in most districts. In the southern Appalachian area and in Montana and districts adjacent the month averaged usually from 2° to 5° colder than normal, but elsewhere only slightly colder than normal, save in parts of New England and the Southwest a little warmer than normal.

The first week brought heavy rains in most of Texas, and generally the middle and western cotton region had rainfall greater than normal during October. Most of the Plains region had a moderate excess of precipitation, likewise western Wyoming and northern Utah, with adjoining parts of other States, and a great part of western Washington.

NOVEMBER

Conditions changed greatly during the month and marked contrasts are found in the averages of different States. The first decade was mainly cold in the eastern and south-central portions, though mild elsewhere. Then, for about a fortnight warmth prevailed east of the Rocky Mountain States, but the last few days of the month were cold here. In the Plateau region, especially the northern portion, cold weather prevailed after the 14th, though much of the Pacific States, particularly of California, was warmer than normal.

For the month, most of Utah and southern Idaho averaged from 4° to 6° colder than normal; a less deficiency was found in the South Atlantic States and the lower Mississippi Valley. Most other areas east of the Rocky Mountains averaged warmer than normal, notably the region from the Dakotas to interior New York

There were decidedly heavy rains from the lower Mississippi Valley eastward to northeastern Florida, central Georgia, and western South Carolina, mainly about the middle of the month. Likewise the month brought considerable precipitation to New England and the middle and lower Missouri Valley. Deficient precipitation prevailed in the Ohio Valley, the interior of the Middle Atlantic States, the Lake region, extreme Northwest, and northern and central California.

The snowfall was comparatively heavy in most of Colorado, Utah, and adjacent districts, also in parts of the Dakotas and the central Appalachian region.

DECEMBER

Unlike November just preceding, December had as much precipitation as normal in only a small part of the country; but the two months were alike in their temperature departures, each averaging warmer than normal in most of the northern districts and in the heart of the country, while cooler than normal in nearly all southern districts and in most of the Plateau and fully half of the Atlantic area.

The first half of December averaged warmer than normal in nearly all the country, though not so warm as normal in the greater portion of the Plateau region and in some Great Lakes and Atlantic districts. From the middle of the month onward, temperatures were mainly above normal from the upper Lake region westward to the northern Rocky Mountains, likewise in parts of New England, New York, Washington, and California; but elsewhere this half month averaged cooler than usual, the abnormally low temperatures in the Southeast about the 17th to 24th being noteworthy, also those in much of the northern and middle Plateau during the final decade.

The Dakotas and eastern Montana were about 7° warmer than normal, taking December as a whole, while substantially all other northern districts, the central Plains, and a part of California were somewhat warmer than normal. On the other hand, December averaged colder than normal in the south Atlantic area and especially in most of the middle and northern Plateau, and it averaged usually a little colder than normal from the central valleys eastward and southward, also near the Mexican border.

At Salt Lake City, Utah, this was the coldest December in the 57-year record, while, on the other hand, this was the first December during a period of 55 years when not a single station in Nebraska reported a temperature as low as zero.

In the eastern and south-central districts the precipitation occurred largely during the first and last weeks, but most of the Southeast had considerable rain or snow about the 17th. The second week was the period of greatest precipitation in the far Northwest.

The month, as a whole, was marked by scanty precipitation over a great part of the country, especially from California eastward to the middle and southern Rocky Mountains and in the northern Rocky Mountains and to eastward as far as the upper Lakes. In the far Northwest, throughout the Northeast, and in the lower Mississippi Valley there was somewhat less than normal, but in Oklahoma and northwestern Texas there was mainly more than normal, likewise in considerable portions of the South Atlantic States.

The December snowfall was decidedly scanty in the higher portions of California and Arizona and was considerably less than normal in most districts west of the Mississippi River, though close to or somewhat above normal in northern and western Texas, southern Kansas, Oklahoma, and the Ozark region. To northward of the Ohio River it was usually less than normal, but in the Appalachian region mainly more than normal.

TORNADOES, 1930

As customary in these reports from 1916 onward, the tornadoes of the year are individually described. A tabular style of presentation is used for 1930 instead of text, but the grouping by States is again followed and the chronological arrangement of the several tornadoes of each State. The information has been furnished chiefly by the section directors of the bureau, and descriptions of many of the tornadoes have already been printed in the monthly section reports or in the Monthly Weather Review, while almost all of them were listed in the Review's table, "Severe local storms." Owing to the receipt of additional information, some differences in descriptions of certain tornadoes from the Review's table will be found in the table now printed; also a few additional tornadoes have been reported, while some storms formerly classed as tornadoes are now thought to have been nontornadic storms and these are omitted from the accompanying table, but are included in the small table following to the extent of losses of life and property they caused.

GENERAL SYNOPSIS

During 1930 there were reported 192 tornadoes in 27 States, none occurring in Alaska, Hawaii, Porto Rico, or the Virgin Islands. This number of tornadoes is but slightly less than the counts for 1929 and 1928.

May brought 89 tornadoes, more than twice as many as any other month. January and December were without tornadoes. The counts for the other nine months were: February, 2; March, 10; April, 4; June, 33; July, 11; August, 4; September, 17; October, 5; November, 17.

On May 1 no less than 28 tornadoes occurred, and on May 5, 15.

The aggregate loss of life in the 1930 tornadoes was 179, which is less than two-thirds of the number for 1929; it likewise is less than the average annual toll of life by tornadoes, though it is larger than the numbers for 1928 and for 1926. During May, 127 lives were taken by the tornadoes, and the other deaths occurred in five months, as follows: March, 4; June, 8; September, 5; October, 3; November, 32. The tornadoes which occurred during February, April, July, and August were without fatal results.

The property losses reported add as $12,289,100. This is a greater total than that for 1929, but less than for 1928 and very much less than the record total of 1927.

The losses in Texas and Wisconsin each exceeded $2,000,000, and in Kansas and Michigan $1,000,000. On the other hand, there were five States where tornadoes occurred, but the aggregate damage reported did not total $10,000 in any one of them; namely, Indiana, Montana, North Carolina, South Dakota, and Wyoming. The greatest damage reported for a single tornado of 1920 was $2,100,000 for one of the Texas tornadoes of May 6.

SYNOPSIS BY STATES

The list of States in which 1930 tornadoes occurred with fatal consequences is as follows:

Arkansas, Colorado, Iowa, Kansas, Louisiana, Minnesota, Mississippi, Missouri, Nebraska, New Mexico, Oklahoma, Texas, and Wisconsin, or 13 States. This is apparently the first year that any lives have been lost in a New Mexico tornado.

In 14 other States tornadoes occurred without any loss of life, although in two of these the property losses were large (Illinois, almost $800,000; Michigan, almost $1,800,000). These 14 States are Alabama, California, Illinois, Indiana, Michigan, Montana, New Jersey, North Carolina, Ohio, Pennsylvania, South Carolina, South Dakota, Tennessee, and Wyoming.

In three States not yet named there were very intense local storms, considered by some witnesses to have been tornadoes, yet not so classified when all the information was studied. These States, with the counties and dates were: Kentucky, Henderson, April 17; Massachusetts, Hampshire, July 19; New York, Nassau, August 10.

In States previously named, storms to some extent resembling tornadoes, but judged not to be, occurred in counties and on dates as follows: Iowa, Benton, June 22; Kansas, Sedgwick, May 10 and Cloud, August 19; Louisiana, La Salle and Grant Parishes, July 31, also Evangeline Parish, August 19; Michigan, Missaukee, May 2, and Eaton, June 24; Nebraska, Kearney and Adams, May 8; New Mexico, Chaves, June 6; Ohio, Hancock, July 4, and Shelby, July 21; Texas, Jefferson, September 23; Wisconsin, Milwaukee, September 26; Wyoming, Niobrara, June 15.

Formations considered tornado clouds were noted in the air, but apparently without ever touching the ground, in States and counties as follows: Arkansas, Franklin, May 8; Iowa, Crawford, November 20; Ohio, Logan, June 17.

There thus remain 18 States in which no storm even considerably resembling a tornado was reported during 1930: Arizona, Connecticut, Delaware, Florida, Georgia, Idaho, Maine, Maryland, Nevada, New Hampshire, North Dakota, Oregon, Rhode Island, Utah, Vermont, Virginia, Washington, and West Virginia.

Summarized geographically, the list of States without tornadoes in 1930 included six of the seven States wholly west of the Continental Divide, the exception being California; North Dakota between the Divide and the Mississippi River; Kentucky, Vermont, and West Virginia, of inland States east of that river; and 11 Atlantic Coast States—Maine, New Hampshire, Massachusetts, Rhode Island, Connecticut, New York, Delaware, Maryland, Virginia, Georgia, and Florida.

BOUNDARY-CROSSING TORNADOES

Seven tornadoes during 1930 crossed State boundaries and thus appear twice in the table, where the count of the tornadoes seems to be 199, instead of the actual 192. In the entries for these storms the length of path, deaths, and property losses are entered only for the distinct portions within the States. For convenience there are entered here the total lengths, deaths, and losses of each of these seven tornadoes.

Illinois-Wisconsin, May 1, 70 miles, no deaths, $55,000. Kansas-Missouri, more northern of May 1, 4 miles, no deaths, $1,500. Kansas-Missouri, more southern of May 1, 37 miles, 2 deaths, $530,000. Kansas-Missouri, September 25, 32 miles, 2 deaths, $56,800. Minnesota-Wisconsin, June 13, 145 miles, 7 deaths, $1,100,000. Nebraska-Iowa, more northern of May 1, 25 miles, no deaths, $11,500. Nebraska-Iowa, more southern of May 1, 31 miles, 4 deaths, $260,000.

SPEED OF ADVANCE

Where the information justified, in previous reports of a year's tornadoes, the velocity with which the tornado advanced has been recorded. It is considered better not to provide a column in the table for this item, chiefly because trustworthy results are very rarely secured. Even in the cases where times are entered an hour or more apart as the earliest and latest times reported for a storm, the interval, in connection with the length of path, may not provide an acceptable figure.

For 1930 tornadoes these statements about speed seem worth recording. California No. 1 was judged, especially by persons who followed it in automobiles, to have traveled about 15 miles per hour. Kansas No. 10 advanced only about 10 miles per hour; No. 16 was remarkably slow, moving but about 5 miles per hour; and No. 18 probably traveled but about 7 miles per hour. The Minnesota-Wisconsin tornado of June 13 apparently advanced more than 40 miles per hour.

ITEMS OF TABLE

Where two county names appear the word "and" between them indicates that the tornado path began in the first named and was confined to those counties, unless it was one of the few tornadoes that crossed a State boundary, in which case merely the portion within the single State is indicated. The word "to" between names implies that three or more counties were in the path.

The direction of advance is entered merely to the nearest of eight chief compass points. If the tornado changed direction, the average direction is shown.

The length of path for a "not continuous" storm is not the length devastated but the entire distance from first havoc to last. The width of path, in case more than one width was reported, is the average as well as it can be computed.

When the deaths were none, but it is known that injuries resulted, a reference and footnote are employed. The number of injuries is frequently known only indefinitely, as "several" or "some" (for either of which "several" is used) or "a few." In case there is a definite number of 2 to 4, reference to "a few" is entered; while 5 to 9 are shown as "several."

Therefore "0" deaths without a reference indicates that not even injuries were reported.

Chart 5, as in previous years, indicates the position and length of the tornado paths, but most tornadoes actually cover paths so short that arrows must be drawn longer than the true length for the scale in order that they may be seen at all. In every case it should be realized the proper width would be far too narrow to be perceptible on a chart of this scale, so exaggeration of width must be assumed. When the table shows no direction, the chart presents that direction which seems most probable.

Tornadoes of 1930, arranged by States

State and date	Hour	County	Direction of advance	Length of path	Width of path	Deaths	Property losses	Remarks
ALABAMA								
				Miles	*Yards*			
1. Mar. 7	2 a. m.	Elmore	NE	(1)	150	0	$4,500	Distinct tornado in Mississippi 9 hours earlier.
2. Mar. 19	9 p. m.	Henry	NE	5	150	[2] 0	10,000	
3. Nov. 15	do	Jefferson	NE	5	20	0	5,000	Distinct tornadoes in Mississippi this night.
ARKANSAS								
1. Mar. 6	5 p. m.	Woodruff	W	(1)	(3)	[4] 0	30,000	Distinct tornadoes in adjoining States this day.
2. May 18	3:30 to 5:15 a. m.	Arkansas and Phillips	NE	35	260	14	[5] 14,500	Distinct tornadoes in adjoining States within a few hours.
3. Do	4:30 a. m.	Crittenden	NE	(5)	440	4	7,500	
4. Nov. 15	12:30 p. m.	Little River	NE	5	70	0	600	Do.
5. Nov. 19	8:40 to 10 p. m.	Yell to Conway	NE	[6] 40	180	1	236,800	Distinct tornadoes in Oklahoma several hours earlier.
CALIFORNIA								
1. Mar. 15	11:40 a. m.	Los Angeles	NE	[6] 16	30	[7] 0	20,000	Possibly not energetic enough to justify rating of tornado.
COLORADO								
1. Oct. 2	3 p. m.	Pueblo	NE	(1)	880	3	10,000	
ILLINOIS								
1. Apr. 17	6 p. m.	Randolph	NE	9	50	0	10,000	
2. May 1	10 p. m.	Boone and McHenry	NE	[6] [8] 30	880	[8] 0	[8] 25,000	Wisconsin No. 4 seems continuation.
3. Do	11:50 p. m.	Macon	NE	1	200	0	100,000	Many tornadoes in adjacent States within a few hours.
4. May 5	3 p. m.	Cook	NE	(3)	30	0	4,000	
5. May 27	5:30 p. m.	La Salle	NE	[6] 15	2,200	[4] 0	140,000	
6. Sept. 14	10:45 p. m.	Jefferson	NE	2	320	[9] 0	500,000	
7. Sept. 24	11 a. m.	Union	NE	[6] 2	20	0	10,000	
INDIANA								
1. July 11	5 p. m.	Vanderburg	E	(5)	(3)	0	1,000	Tornadic character somewhat doubtful.
2. Nov. 16	9:30 a. m.	Spencer	NE	(5)	(3)	0	5,000	Do.
IOWA								
1. Mar. 16	7 p. m.	Webster	SE	1		0	600	
2. Do	8 p. m.	do	SE	6		0	3,000	
3. May 1	5:20 p. m.	Woodbury	E	[8] 20	220	[8] 0	[8] 10,000	Seems continuation of Nebraska No. 1.
4. Do	5:30 p. m.	Clay	SE	5		0	1,200	Distinct tornadoes this day in almost every State adjoining.
5. Do	5:40 to 6 p. m.	do	SE	6		0	20,000	
6. Do	6 p. m.	Mitchell	E	1		0	100	
7. Do	6 to 6:30 p. m.	Wayne	NE	12	40	[4] 0	46,500	
8. Do	6:30 p. m.	Hamilton	SE	(5)		0	800	
9. Do	6:40 to 7 p. m.	Wayne	NE	8	50	[7] 0	8,000	
10. Do	7:15 p. m.	Harrison	SE	[6] [8] 16		[8] 0	[8] 10,000	Seems continuation of Nebraska No. 3.
11. Do	7:30 p. m.	Fayette	SE	2		0	400	
12. Do	do	do	SE	1		0	1,000	
13. Do	7:30 to 8:15 p. m.	Wayne to Monroe	NE	18	40	1	89,700	
14. Do	8 p. m.	Cerro Gordo	NE	1		0	5,000	
15. May 5	7:30 p. m.	Clarke	SE	3		0	3,000	Distinct tornadoes in adjoining States this day.
16. May 6	11 a. m.	Decatur	NE	5		0	5,000	Separated into two tornadoes.
17. Do	12:25 p. m.	Mahaska	NE	5		0	4,000	
18. Do	2 p. m.	Poweshiek	NE	12		[7] 0	75,000	
19. May 8	5:30 p. m.	Wayne	NE	4		0	200	Distinct tornadoes in Nebraska this day.
20. May 9	2:30 to 2:40 a. m.	Buena Vista	NE	8		[2] 0	15,000	Distinct tornado in Nebraska this day.
21. Do	4 a. m.	Wright	NE	(5)		0	1,000	
22. June 2	3 p. m.	Jasper	NE	2		0	2,000	Do.
23. June 13	10:05 p. m.	Crawford	NE	8		0	15,000	Distinct tornadoes in adjoining States this day.
24. Do	11 p. m.	Wright	NE	14		[2] 0	8,000	
25. Do	do	Monona	NE	7		0	6,000	
26. June 14	12:30 a. m.	Story	NE	(5)	230	0	2,000	
27. June 20	10 p. m.	Ida	E	1		0	5,000	
28. June 25	1:30 p. m.	Hardin	E	6	(3)	0	1,000	Distinct tornado in Nebraska this day.
29. July 5	5 a. m.	Mahaska	NE	2		0	1,000	
30. July 19	6 p. m.	Tama	SW	3		0	5,000	
31. July 20	do	Delaware	NE	2		0	1,200	Distinct tornado in Wisconsin this day.
32. Do	do	Tama	NE	4		0	2,000	
33. July 26	9:30 a. m.	Story	W	1		0	500	
34. Sept. 18	3 p. m.	Monroe	NE	8	40	0	6,000	
35. Sept. 25	3:30 to 4 p. m.	Lee	NE	2	880	0	3,000	Distinct tornado in Missouri this day.
36. Do	do	do	NE	6	880	2	18,000	
37. Do	4 to 4:30 p. m.	Monroe	NE	14		0	17,300	
38. Do	4:30 p. m.	Montgomery	NE	4	30	0	1,000	
39. Do	5:45 p. m.	Clinton	NE	4		0	51,000	
40. Oct. 1		Guthrie	NE	2	30	0	400	

[1] Not definitely known; believed to have been short.
[2] One person injured.
[3] Narrow.
[4] Several persons injured.
[5] Less than a mile.
[6] Path not continuous.
[7] A few persons injured.
[8] Within this State.
[9] Injuries to 10 or more persons.

Tornadoes of 1930, arranged by States—Continued

State and date	Hour	County	Direction of advance	Length of path	Width of path	Deaths	Property losses	Remarks
				Miles	Yards			
KANSAS								
1. Apr. 16	2:30 p. m.	Grant	NE	6	50	0	$1,500	Missouri No. 1 continuation.
2. May 1	5:30 p. m.	Doniphan	NE	(3) (5)		[6] 0	(5) (10)	
3. Do	5:50 p. m.	Harvey	NE	8	(2)	0	6,000	Missouri No. 5 continuation.
4. Do	6:15 to 7 p. m.	Jefferson and Leavenworth.	E	[5] 20	230	[5] 2	[5] 500,000	
5. Do	7 p. m.	Kingman	E	(5)	100	0	2,500	Possibly reappearance of No. 5.
6. Do	7:30 p. m.	Sumner	SE	8	75	0	4,000	
7. May 5	3:45 p. m.	Barton	NE	4	440	0	2,000	
8. Do	4 p. m.	Reno	NE	15	880	[6] 0	8,000	
9. Do	4:20 p. m.	Ellsworth	N	19	500	0	30,000	
10. Do	5:15 to 7:15 p. m.	Stafford to Rice	NE	25	880	[7] 0	300,000	
11. Do	6 to 6:30 p. m.	Lincoln and Mitchell	NE	16	440	[7] 0	12,000	
12. Do	9:30 to 10 p. m.	Saline to Riley	NE	[6] 50	440	[8] 0	100,000	
13. May 10	Afternoon	Stanton		(1)		0	(10)	Apparently two distinct clouds hit ground close together; counted only single tornado.
14. Do	2:30 p. m.	Haskell and Grant	NW	6		0	500	
15. Do	4 p. m.	Stevens	NW	2	20	0	5,000	Apparently two or more clouds hit ground; counted only single tornado.
16. June 24	7:45 p. m.	Pratt	NE	3	1,400	[7] 0	250,000	Apparently two distinct clouds hit ground; counted only single tornado.
17. June 25	6:30 p. m.	Chautauqua		1	75	0	2,500	
18. Do	Afternoon	Greenwood	SE	3	150	0	1,000	
19. Sept. 14	5:15 p. m.	Harper	NE	1	50	0	12,000	
20. Sept. 25	5 p. m.	Bourbon	NE	[5] 2		[5] 0	[5] 3,000	Missouri No. 7 continuation.
21. Nov. 15	5:30 p. m.	Allen	N	(5)	(1)	0	200	
22. Nov. 19	10:15 a. m.	Ellis	NE	15	(1)	[6] 0	20,000	
23. Do	2 p. m.	Greenwood	NE	[6] 8	200	[7] 0	15,000	
24. Do	3:30 p. m.	Neosho and Allen	NE	4	100	0	12,500	
LOUISIANA								
1. Mar. 6	7:30 p. m.	Claiborne	NE	8	300	1	10,000	Distinct tornadoes in adjoining States this day.
2. Do	9:30 p. m.	Natchitoches	E	1	(3)	0	5,600	
3. Oct. 7	8:30 a. m.	St. Landry	NE	(5)	100	0	30,000	
4. Nov. 15	4:30 p. m.	Franklin	NE	4	400	1	21,000	Do.
5. Do	5:15 to 5:30 p. m.	Rapides	NE	28	180	5	17,000	
MICHIGAN								
1. May 2	12 to 2 a. m.	Ottawa to Gratiot	E	80	700	[7] 0	1,050,000	
2. Do	(11)	Muskegon to Isabella	NE	70	600	[7] 0	25,000	
3. Do	(11)	Montcalm and Isabella	NE	40	900	0	10,000	
4. Do	(11)	Kent to Gratiot	NE	60	750	[7] 0	40,000	
5. Do	(11)	Ionia to Shiawassee	E	30	1,000	[8] 0	40,000	
6. Do	(11)	Kent to Shiawassee	E	75	900	0	30,000	
7. Do	(11)	Allegan to Eaton	E	40	800	0	20,000	
8. Do	(11)	Allegan to Shiawassee	E	90	800	0	40,000	
9. May 13	1:30 to 2 p. m.	Clinton	E	35	1,500	0	200,000	
10. May 23	12:30 to 2:10 p. m.	Isabella to Ogemaw	NE	70	1,320	0	220,000	
11. June 5	6 p. m.	Clinton and Shiawassee	NE	[6] 40	330	0	50,000	
12. June 23	2:30 p. m.	Ontonagon and Houghton	NE	13	30	[7] 0	7,000	
13. June 29	10:30 to 12 p. m.	Mason to Wexford	NE	[6] 55	150	0	50,000	
14. Sept. 26	1:30 p. m.	Tuscola	NE	(5)	60	0	12,000	
MINNESOTA								
1. May 1	3 p. m.	Pipestone		(1)	(3)	0	(10)	Do.
2. June 13	3:45 p. m.	Mower and Dodge	NE	10	880	0	75,000	Do.
3. Do	4:45 p. m.	Renville	NE	10	2,200	0	10,000	
4. Do	5 to 5:30 p. m.	Dakota and Goodhue	E	[6] [5] 20		[5] 1	[5] 100,000	Wisconsin No. 8 continuation.
5. Do	6:20 p. m.	Dakota	E	(5)	100	[7] 0	50,000	
MISSISSIPPI								
1. Mar. 6	4:30 p. m.	Bolivar	E	2	270	2	20,000	Distinct tornadoes in adjoining States within a few hours.
2. Do	Late afternoon	Attala		(1)		1	3,000	
3. Sept. 15	3 a. m.	Bolivar	NE	(1)	200	1	300	
4. Nov. 15-16	10 p. m. to 1 a. m.	Wilkinson to Lincoln	NE	[6] 45	500	1	50,000	Do.
5. Nov. 16	1:30 a. m.	Winston and Noxubee	NE	10	200	[8] 0	15,000	
MISSOURI								
1. May 1	5:30 p. m.	Holt	NE	[5] 4		[5] 0	[5] 1,500	Continuation of Kansas No. 2.
2. Do	do	do	NE	[5] 11	75	0	7,500	
3. Do	6:20 to 6:40 p. m.	Andrew	E	8	150	0	50,000	
4. Do	6:30 to 7:15 p. m.	Andrew and DeKalb	E	[6] 17	1,000	[8] 0	400,000	
5. Do	7 to 7:30 p. m.	Platte	E	[6] [5] 17	220	[5] 0	[6] 30,000	Continuation of Kansas No. 4.
6. Do	9:10 p. m.	Ray to Saline	SE	[6] 28	140	6	350,000	
7. Sept. 25	5:10 to 7 p. m.	Vernon and Bates	NE	[5] 30	300	[5] 2	[5] 53,800	Continuation of Kansas No. 20. Separated into two; southern branch short.
MONTANA								
1. June 7	5 p. m.	Chouteau		(1)	(3)	0	(10)	Tornadic character somewhat doubtful.
2. June 27	11:30 p. m.	do			1	0	(10)	Do.

[1] Not definitely known; believed to have been short.
[2] One person injured.
[3] Narrow.
[4] Several persons injured.
[5] Less than a mile.
[6] Path not continuous.
[7] A few persons injured.
[8] Within this State.
[9] Injuries to 10 or more persons.
[10] Negligible.
[11] Between midnight and 3 a. m.

Tornadoes of 1930, arranged by States—Continued

State and date	Hour	County	Direction of advance	Length of path	Width of path	Deaths	Property losses	Remarks
NEBRASKA								
				Miles	*Yards*			
1. May 1	5:10 p. m.	Dakota	E	[2] 5	100	[6] 0	[9] $1,500	Iowa No. 3 seems continuation.
2. Do.	5:15 p. m.	Cuming	E	7	120	0	40,000	
3. Do.	6:30 p. m.	Burt	SE	[2] 15	330	[6] 4	[6] 250,000	Iowa No. 10 seems continuation.
4. May 5	4 p. m.	Adams	N	5	200	0	9,000	Distinct tornadoes in Kansas and Iowa this day.
5. Do.	5:30 p. m.	Antelope	N	7	60	[9] 0	12,000	Possibly reappearance of No. 4.
6. May 8	6 to 7 p. m.	Furnas	NE	35	440	0	40,000	Distinct tornado in Iowa this day.
7. Do.	8 p. m.	Franklin	NE	(5)	20	0	2,500	
8. May 9	5 p. m.	Dodge	N	[6] 10	30	0	5,000	Distinct tornadoes in Iowa this day.
9. June 2	5:30 p. m.	Custer	NE	3	220	[9] 0	150,000	Distinct tornado in Iowa this day.
10. June 24	5:20 to 8 p. m.	Lincoln to Phelps	SE	[6] 65	600	1	100,000	Distinct tornadoes in Kansas and Iowa this day.
11. June 25	7 p. m.	Keyapaha	NE	15	440	0	50,000	Do.
12. Aug. 18	10:30 a. m.	Gage	NE	2	(3)	0	1,000	
13. Aug. 19	4 p. m.	Arthur	SE	(5)		0	(10)	
NEW JERSEY								
1. July 21	5 to 6 p. m.	Burlington and Ocean	E	40	150	0	35,000	
NEW MEXICO								
1. May 31	5:05 p. m.	Mora	N	6	170	3	150,000	
NORTH CAROLINA								
1. Feb. 4	7:30 p. m.	Mecklenburg	NE	4	200	0	2,000	
OHIO								
1. Feb. 24	5:30 p. m.	Muskingum	E	3	150	[7] 0	150,000	
2. June 24	4:15 a. m.	Seneca		(1)	(3)	0	500	
3. Sept. 16		Licking				0	10,000	Distinct tornado in Pennsylvania this day.
OKLAHOMA								
1. May 3	3:30 p. m.	Comanche	NE	2	(3)	0	1,000	
2. Do.	5:10 p. m.	Grady	NE	4	120	[7] 0	10,000	Possibly reappearance of No. 1.
3. Do.	5:30 p. m.	Kingfisher	NE	9	50	[7] 0	1,600	
4. May 5	4 p. m.	Cotton	NE	2	400	1	105,000	Distinct tornadoes in Kansas this day.
5. Do.	6 p. m.	Blaine	NE	10	880	3	16,000	
6. Do.	8:15 p. m.	Stephens	NE		1,320	[7] 0	4,000	Either No. 6 or No. 7 possibly reappearance of No. 4.
7. Do.	8:30 p. m.	do	N	6	1,760	[7] 0	90,000	
8. Do.	10 p. m.	Grady	N	4	150	2	12,000	Possibly reappearance of No. 6.
9. May 6	10:40 a. m.	Beckham	NE	10	300	[7] 0	7,000	Distinct tornadoes in Texas this day.
10. May 9	2:40 p. m.	Pittsburg	NE	1	30	1	2,500	
11. Do.	4 p. m.	Pontotoc	E	4	400	0	15,000	
12. Do.	5 p. m.	Haskell	E	20	250	4	77,000	
13. Do.	5:10 to 5:40 p. m.	Pittsburg and Haskell	E	30		0	3,000	
14. Do.	6 p. m.	Osage		3	300	1	30,000	
15. May 17	2:40 p. m.	Tulsa	NE	(5)	(3)	0	(10)	Dipped barely enough to cause damage.
16. Sept. 25	4:30 p. m.	do	E	1	80	0	5,000	Distinct tornado in Kansas and Missouri this day.
17. Nov. 19	9:30 to 9:58 a. m.	Oklahoma	N	7	100	23	250,000	Distinct tornadoes in Kansas and Arkansas this day.
18. Do.	10 a. m.	Garfield	NE	4	250	0	20,000	
19. Do.	do	Stephens	NE	1	100	0	500	
PENNSYLVANIA								
1. June 26	7:30 p. m.	Montgomery	SE	(5)	130	0	25,000	
2. Sept. 16	7 p. m.	Philadelphia	E	(5)	20	0	2,500	Distinct tornado in Ohio this day.
SOUTH CAROLINA								
1. June 6	3 p. m.	Florence	NE	(1)	35	0	6,400	
2. June 24	5 p. m.	Anderson	NE	(5)	200	0	9,500	
SOUTH DAKOTA								
1. June 4	2 p. m.	Lake	NE	(5)	10	0	(10)	
TENNESSEE								
1. May 18	11:50 a. m.	Fayette	SE	1	200	[7] 0	25,000	Distinct tornadoes in Arkansas this day.

[1] Not definitely known; believed to have been short.
[2] One person injured.
[3] Narrow.
[5] Less than a mile.
[6] Path not continuous.
[7] A few persons injured.
[9] Within this State.
[10] Negligible.

Tornadoes of 1930, arranged by States—Continued

State and date	Hour	County	Direction of advance	Length of path	Width of path	Deaths	Property losses	Remarks
TEXAS				*Miles*	*Yards*			
1. Apr. 3	4:30 p. m.	Hidalgo	E	12	3,520	[2] 0	$10,000	
2. Apr. 28	12:30 to 1 p. m.	San Patricio	SE	9	1,760	0	5,000	
3. May 6	3:30 to 4 p. m.	Hill to Ellis	NE	34	350	41	2,100,000	Distinct tornado in southwestern Oklahoma this day.
4. Do	4:45 to 5 p. m.	Karnes and De Witt	NE	20	350	36	127,000	
5. Do	9:30 p. m.	Sabine	NE	3	220	2	11,000	
6. May 15	5:30 p. m.	Archer	SE	10	400	[4] 0	25,000	
7. Do		Camp				0		
8. May 17	10:30 a. m.	Gonzales	NE	2	16	0	500	Distinct tornadoes in adjoining States this day or next day.
9. Do	3 p. m.	Chambers	NW		100	[4] 0	6,000	
10. Do	9 p. m.	Madison	E	1	50	0	3,500	
11. Do		Stephens				0		
12. July 22	5 p. m.	Colorado	NW	1	35	0	100	
13. July 29	do	Hunt	W			0	500	
14. Aug. 5	4:30 p. m.	Burnet	NE	2	1,320	0	25,000	
15. Aug. 24	7 p. m.	Tom Green		18	880	0	55,000	
16. Sept. 9	4:30 p. m.	Lampasas	NE	2	400	0	1,000	
17. Oct. 6	1 p. m.	Houston	NE	6	200	[9] 0	15,000	
18. Do	6:30 p. m.	Harris	NE		15	0	1,000	
19. Nov. 15	12:45 p. m.	do	NE	9	17	1	200	Distinct tornadoes in Arkansas and Louisiana this day.
20. Do		Tyler and Jasper	NE	32		[9] 0	50,000	Possibly reappearance of No. 19.
WISCONSIN								
1. May 1	7:30 p. m.	Vernon	E	5	70	1	100,000	Distinct tornadoes in adjoining States this day.
2. Do	7:30 to 8 p. m.	Trempealeau to Monroe	E	[6] 33	500	1	202,000	
3. Do	10:30 p. m.	Kewaunee	NE	5	440	0	60,000	
4. Do	11 p. m.	Walworth to Milwaukee	NE	[6] [5] 40	500	[5] 0	[8] 30,000	Seems continuation of Illinois No. 2.
5. June 3	2:15 p. m.	Lincoln	NE	3	(3)	0	900	
6. June 12	6:45 p. m.	Price	NE	2	20	0	5,000	
7. June 13	5:30 to 7:30 p. m.	Trempealeau to Lincoln	NE	80	1,300	0	600,000	
8. Do	5:30 to 8 p. m.	Pierce to Clark	E	[6] [5] 125	1,000	[5] 6	[8] 1,000,000	Seems continuation of Minnesota No. 4.
9. Do	6:30 p. m.	Dunn	E		90	0	125,000	Parallel to No. 8, on left.
10. Do	7 p. m.	Eau Claire	E	16		0	25,000	Parallel to No. 8, on right.
11. July 20	4:30 p. m.	Portage	E	10	880	0	6,000	
12. July 27	1:30 a. m.	do	SE	3	880	0	10,000	
WYOMING								
1. June 8	4:30 p. m.	Niobrara	SE	20	100	[2] 0	500	
2. Sept. 17	9:20 p. m.	Campbell	E	2		0	2,200	

[2] One person injured.
[3] Narrow.
[4] Several persons injured.
[5] Path not continuous.
[6] Within this State.
[9] Injuries to 10 or more persons.

HAIL, 1930

As for each of the 14 years preceding, the occurrence of injurious hail during the period from April 1 to September 30 is indicated on two charts, Nos. 6 and 7. The information was secured mainly from regular and cooperative stations and was assembled first by the section directors. Chart 6 shows where there was moderately heavy hail, causing but slight damage, while Chart 7 indicates the occurrence of heavy or destructive hail.

No effort is made to indicate falls of hail too light to cause damage, though such falls were noted at hundreds if not thousands of stations. Hailstorms are often very local in character, and they differ so decidedly in their occurrence from year to year that the distribution appearing on the charts of one year should not be assumed to be the usual condition. Furthermore, in certain States, as Iowa, the charting of a large number of dots seems to result chiefly from the unusually large number of reporters.

In the middle and lower portions of the Mississippi Valley, and generally in the eastern third of the country, the hailstorms of 1930 seem to have been fewer and less destructive than usual, an advantageous feature which would naturally be expected to accompany the scarcity of summer rainfall. In Iowa the hail damage reported to the assessors was $1,598,963, which is the least annual amount during the eight years for which statistics are available, while in Kansas the sum of estimates for important hailstorms is only $1,040,000, far less than the corresponding figure for 1929.

However, in Montana the amount paid for hail losses was about $234,000, which is more than twice the amount paid for 1929 losses and almost equal to the sum of the 1929 and 1928 amounts.

Colorado's sum of estimates of the reported hail damage of 1930 was $457,000.

During the unseasonably warm weather of February a considerable hailstorm occurred from Indianapolis, Ind., eastward to Preble County, Ohio, on the morning of the 24th. This storm and the few other hailstorms occurring before April 1 are not charted.

The most notable April hailstorm came during the afternoon of the 15th, affecting a portion of southern Florida near Miami, especially a district several miles to southwestward.

May included two unusually severe storms, one during the early morning of the 14th, in Texas County, Okla., and the other during the evening of the 17th, in Cleburne County, Tex.

The afternoon of June 9 brought a very destructive storm to Seward and Meade Counties, Kans. During the late afternoon of the 21st a severe hailstorm in southern Georgia advanced toward the north-northeast, the track being so long that a line is entered on Chart 7. On June 24, about 4 to 7 p. m., a wind and hailstorm visited northeastern South Dakota, traveling southeastward approximately 100 miles, so that again a line is presented on Chart 7. The damage from this storm was about $500,000, of which hail apparently caused 80 per cent.

July was comparatively free from notably severe hailstorms, but during August there was one on the evening of the 7th in central Connecticut. On August 22 Cotton and Jefferson Counties, Okla., suffered great hail damage.

The first week of September included several serious hailstorms, Dane County, Wis., being visited on the 1st, Florence, Colo., on the 6th, and a portion of extreme southeastern South Dakota, with Plymouth and Woodbury Counties, Iowa, during the early afternoon of the 7th. This last storm advanced southeastward and its path was long enough to be charted as a line.

The hail which fell after September is not represented on the charts. There were some storms of moderate importance, practically all of them during the first half of October, portions of Colorado and New Mexico being considerably affected.

In Hawaii no falls of hail whatever were reported during 1930, and in Alaska, Porto Rico, and the Virgin Islands no hail that caused appreciable damage came to notice.

LOSSES FROM WINDSTORMS, 1930

For the fifteenth consecutive year statistics have been collected, chiefly through the field-service officials of the bureau, of the losses of property and life resulting from all classes of severe winds except those that were considered to have been tornadoes. The accompanying table shows the results; the amounts shown are merely estimates, and frequently it was not feasible to make even a rough estimate, so that a reference is substituted. In nearly all instances where such references appear they stand for comparatively small losses.

Deaths and fire losses caused by lightning, also havoc and loss of life caused by floods of streams, are omitted from the table, even though high winds were a feature of the electrical storm or the storm that caused the downpour. When hail or beating rain or both accompany the strong wind, or, in the colder months, sleet, glaze, or heavy snow, to aid in causing damage, an effort is made to estimate what share of the total loss was due to wind.

Compared with most of the preceding years, only moderate losses and few deaths appear in the 1930 table. There was but one hurricane of tropical origin which had any appreciable effect within the United States or its possessions. This storm occurred during September, and while it was felt with terrible effect in the Dominican Republic, yet the damage in southwestern Porto Rico, during the early portion of its course, and later in the Florida peninsula and along the coast of North Carolina, was unimportant.

There was considerable wind havoc in Wisconsin during the evening of May 1, portions of adjoining States also suffering some damage. Several tornadoes occurred at this time, but the aggregate losses outside of the tornado tracks were large. Precisely one week later, on May 8, two counties of south-central Nebraska experienced great losses from wind and some loss from hail in a storm which probably was not in any part a true tornado.

Southwestern Minnesota was visited by a very severe storm during the afternoon of August 3, three counties located to southward of the Minnesota River experiencing practically all the losses of this day.

On the Great Lakes, too far from shore to be definitely assigned to any State, some losses of life and property occurred in connection with the large-area storms of fall; but they were far smaller, it is judged, than those of 1929. However, it is practically certain that 10 lives were lost on Lake Michigan on September 26, 1930.

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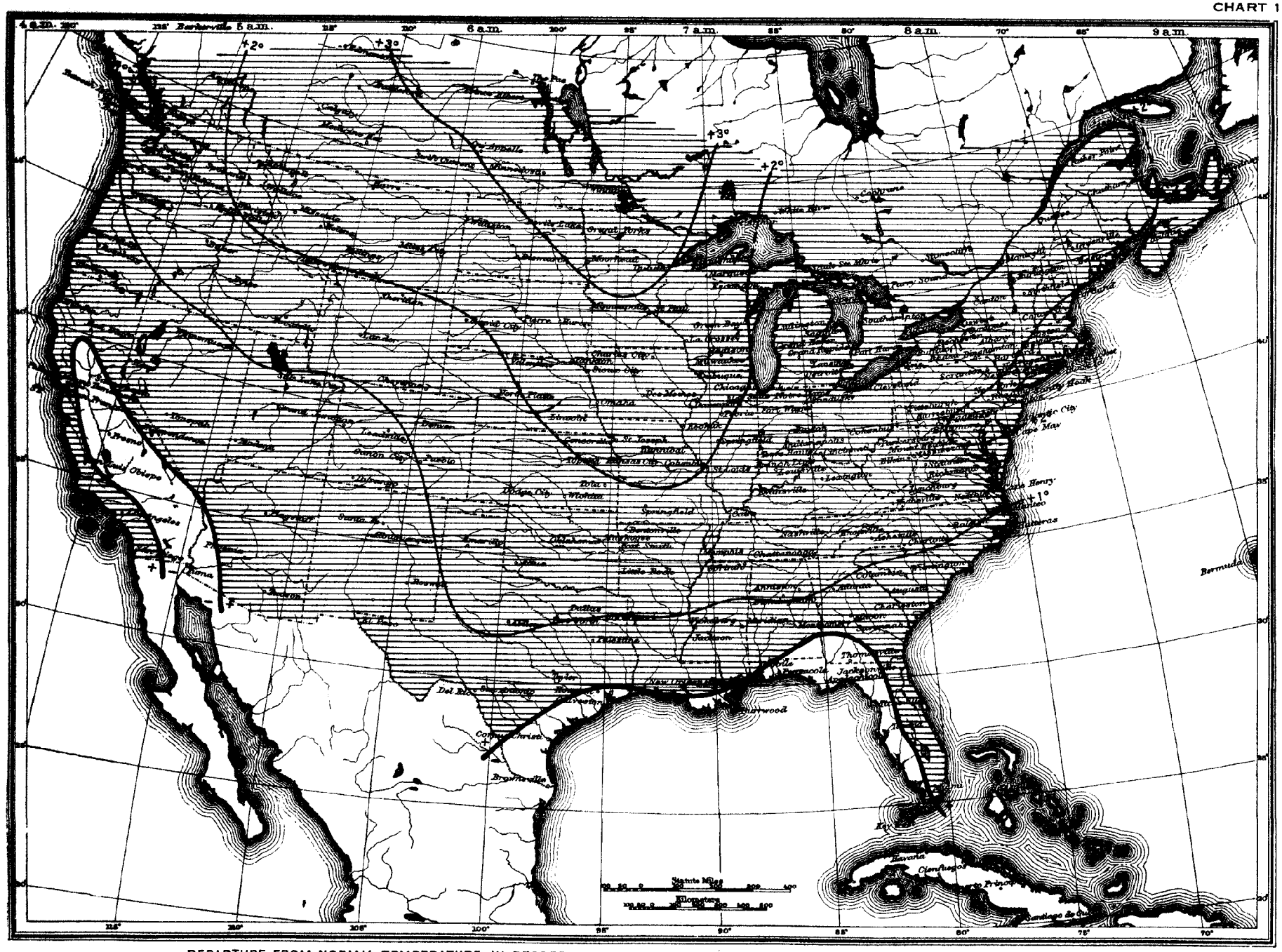
Losses from windstorms, other than tornadoes, by months and sections, in 1930

[Figures, except in last column, indicate dollars]

Section	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year	Number of lives lost
Alabama							(1)						(1)	
Alaska	(1)								20,000				[2] 20,000	1
Arizona														
Arkansas					1,500		(1)	400	159,500				[2] 161,400	
California		(1)	(1)		(1)						(1)		(1)	
Colorado					[2] 5,000	500		41,000	2,000		[2] 100,000		[2] 148,500	
Florida				[2] 2,500			1,000	(1)	(1)		(1)		[2] 3,500	5
Georgia		500				[2] 5,000	[2] 500				1,200		[2] 7,200	
Hawaii														
Idaho														
Illinois	600	1,300	(1)		[2] 175,000	[2] 70,000	[2] 64,800	[2] 17,400	[2] 78,000	(1)			[2] 407,100	4
Indiana		5,000	(1)		200	(1)	[2] 23,000	[2] 2,200	[2] 11,100				[2] 41,500	
Iowa			5,500		101,900	[2] 256,000	[2] 27,400	[2] 51,400	[2] 150,400	(1)	[2] 5,200		[2] 597,800	
Kansas					[2] 1,100	[2] 3,000		[2] 900	[2] 14,000		2,500		[2] 21,500	
Kentucky				3,000		(1)	5,000	[2] 53,000	[2] 1,500				[2] 62,500	
Louisiana		(1)			52,400		60,000	5,500			(1)		[2] 117,900	1
Maryland-Delaware				50,000	(1)	(1)	(1)		(1)				[2] 50,000	2
Michigan				(1)	[2] 50,000	[2] 20,000	(1)		(1)		(1)		[2] 70,000	
Minnesota					(1)		(1)	510,000	(1)				[2] 510,000	
Mississippi			(1)				5,000				(1)		[2] 5,000	
Missouri		1,000				[2] 1,500		(1)	[2] 4,000		(1)	(1)	[2] 6,500	
Montana		[2] 5,000	(1)	6,000	3,500	[2] 800	[2] 1,000						[2] 16,300	
Nebraska					[2] 766,000		32,100	(1)			[2] 10,000		[2] 808,100	1
Nevada				200	500					500			1,200	
New England							(1)	(1)				(1)	(1)	
New Jersey						5,000	[2] 200,000						[2] 205,000	2
New Mexico					5,300	(1)			(1)				[2] 5,300	
New York					(1)	(1)	(1)	[2] 10,000	[2] 25,000				[2] 35,000	19
North Carolina						20,000	35,000	5,000	15,000				75,000	
North Dakota					(1)	(1)	[2] 15,000		(1)				[2] 15,000	
Ohio			(1)			[2] 5,000	[2] 100,000	500					[2] 105,500	
Oklahoma					[2] 91,500		2,000	[2] 14,000	54,900				[2] 162,400	
Oregon	(1)	(1)											(1)	
Pennsylvania						(1)	[2] 335,000						[2] 335,000	1
Porto Rico	20,000						10,000		(1)				[2] 30,000	
South Carolina				[2] 100		4,900		1,400					[2] 6,400	
South Dakota						[2] 226,000	18,000	34,000			(1)		[2] 278,000	
Tennessee			30,000		(1)	(1)	[2] 9,000	(1)					[2] 39,000	1
Texas			(1)	80,000	[2] 286,000		(1)	4,400	8,000				[2] 378,400	6
Utah					(1)								(1)	
Virginia					(1)	[2] 5,000	(1)				(1)		[2] 5,500	2
Virgin Islands														
Washington		(1)	(1)		(1)								(1)	
West Virginia										(1)				
Wisconsin			500		702,000	111,000	[2] 147,500	500	11,000		2,000		[2] 974,500	4
Wyoming					(1)	(1)							(1)	

[1] Losses occurred; no estimate secured.

[2] Losses not readily estimated in addition to amount stated.



DEPARTURE FROM NORMAL TEMPERATURE, IN DEGREES FAHRENHEIT, FOR THE CROP SEASON OF 1930, 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

TOTAL PRECIPITATION, INCHES, FOR THE CROP SEASON OF 1930, MARCH 1 TO SEPTEMBER 30

DEPARTURE FROM NORMAL PRECIPITATION FOR THE CROP SEASON OF 1930, MARCH 1 TO SEPTEMBER 30

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

TOTAL PRECIPITATION, INCHES, FOR THE YEAR 1930

OCCURRENCE OF TORNADOES DURING THE YEAR 1930

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

OCCURRENCE OF MODERATELY HEAVY HAIL, DOING SLIGHT DAMAGE ONLY, FOR THE WARM SEASON OF 1930, 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

OCCURRENCE OF HEAVY HAIL, DOING MATERIAL DAMAGE TO CROPS AND OTHER PROPERTY, FOR THE WARM SEASON OF 1930, 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

Annual summary, climatological data for Canadian stations, 1930

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
Cape-Race, Newfoundland				40.9		48.5	33.3	78	0	61.08		55.4
Burin, Newfoundland				41.0		46.4	35.6	78	0	43.97		90.5
Sydney, Cape Breton Island	29.90	29.95	+0.01	44.4	+3.1	53.1	35.6		−10	47.83	−2.45	104.2
Halifax, Nova Scotia	29.86	29.97	.00	45.3	+2.5	54.1	36.4	92	−2	49.69	−7.34	60.0
Yarmouth, Nova Scotia	29.85	29.92	−.06	45.4	+2.2	52.6	38.2	80	5	40.93	−7.80	87.8
St. John, New Brunswick				42.9		50.6	35.1	87	−8	40.29		70.8
Charlottetown, Prince Edward Island	29.84	29.88	−.06	43.9	+2.9	51.1	36.8	87	−13	33.35	−8.27	128.8
Chatham, New Brunswick	29.82	29.85	−.09	40.3	+1.6	50.4	30.2	91	−27	37.25	−4.04	56.1
Anticosti, Quebec				36.4		41.1	31.7	69	−12	24.33		55.0
Fame Point, Quebec				37.4		43.1	31.6	86	−12	48.58		213.0
Father Point, Quebec	29.89	29.91	−.02	37.1	+2.3	44.2	30.0	85	−17	37.61	+4.62	102.6
Quebec, Quebec	29.64	29.97	−.01	40.6	+2.4	47.8	33.4	87	−18	45.19	+3.47	145.0
Doucet, Quebec				33.3		44.9	21.6	90	−54	32.38		77.5
Montreal, Quebec	29.75	29.96	−.03	44.6	+3.1	52.1	37.1	90	−15	34.75	−6.24	73.7
Ottawa, Ontario	29.71	29.98	−.02	44.2	+3.6	53.7	34.7	92	−20	28.97	−4.17	54.5
Kingston, Ontario	29.68	29.99	−.02	45.3	+2.2	52.0	38.5	82	−15	27.55	−5.26	18.1
Toronto, Ontario	29.59	30.00	−.02	47.4	+3.2	55.4	39.3	95	−6	25.74	−7.98	43.0
London, Ontario				46.8		56.7	36.9	96	−9	40.22		115.1
Southampton, Ontario	29.27	30.00	−.01	44.0	+1.6	52.2	35.8	86	−20	35.17	+0.96	125.5
Parry Sound, Ontario	29.28	29.98	−.02	42.7	+2.5	50.6	34.7	88	−28	37.33	−0.94	142.7
Cochrane, Ontario				35.0		44.3	25.7	88	−34	27.93		98.2
White River, Ontario	28.60	29.94	−.04	33.6	+1.5	46.0	21.1	94	−50	25.32	+0.53	66.7
Port Arthur, Ontario	29.26	29.97	−.03	38.6	+4.2	47.2	30.1	89	−28	28.46	+3.70	29.0
Winnipeg, Manitoba	29.14	29.99	−.01	37.9	+4.8	47.0	28.8	94	−35	22.63	+1.65	48.0
Minnedosa, Manitoba	28.13	29.98	−.02	35.9	+4.3	46.9	24.9	93	−44	14.46	−1.99	39.9
The Pas, Manitoba				32.9		43.2	22.6	92	−44	18.95		46.7
Qu'Appelle, Saskatchewan	27.68	29.96	−.02	36.6	+3.3	46.6	26.6	98	−44	13.16	−2.92	40.1
Moose Jaw, Saskatchewan				40.4		52.4	28.5	100	−37	11.47		25.8
Swift Current, Saskatchewan	27.38	29.92	−.05	41.1	+3.6	53.2	29.0	97	−38	13.54	−1.93	20.4
Medicine Hat, Alberta	27.56			44.9	+4.6	56.5	33.3	102	−36	12.73	−1.07	6.9
Calgary, Alberta	26.38	29.98	+.05	40.3	+3.1	52.2	28.4	94	−38	14.49	−0.38	44.6
Banff, Alberta	25.35	29.97	+.04	36.3	+1.6	47.2	25.4	89	−51	15.43	−6.48	54.9
Prince Albert, Saskatchewan	28.40	30.00	+.02				25.2	96	−56	17.80	+2.89	48.5
Battleford, Saskatchewan	28.21	29.97	.00	37.7	+5.0	48.7	26.7	95	−50	14.64	+0.71	28.4
Edmonton, Alberta	27.61	29.91	−.02	38.7	+3.1	49.4	28.1	93	−42	12.40	−3.43	34.8
Kamloops, British Columbia	28.73	30.03	+.10	46.6	−0.5	55.4	37.7	99	−16	7.11	−4.52	13.1
Vancouver, British Columbia				50.1		57.7	42.5	87	11	43.78		12.0
Victoria, British Columbia	29.79	30.05	+.05	49.4	+0.8	55.1	43.7	87	16	18.80	−19.34	2.9
Estevan Point, British Columbia				47.2		53.2	41.1	70	15	85.24		6.2
Prince Rupert, British Columbia				45.8		51.6	39.9	80	12	85.43		33.0
Prince George, British Columbia				40.2		52.3	28.1	94	−38	18.01		27.9
Atlin, British Columbia				32.2		40.3	24.2	79	−45	18.97		97.7
Dawson, Yukon				21.7		31.6	11.8	85	−57	12.37		62.6
Mayo Landing, Yukon				23.8		34.7	12.9	84	−63	12.33		65.2
Fort Smith, Mackenzie				27.7		38.4	17.0	92	−54	20.28		62.8

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 and a very few others. They are the results of precise levels and are known as the station elevations.

Changes in the elevations of other instruments during 1930 are shown by the figures immediately below, and the dates of such changes are given under appropriate heading.

The significance of the boldface letter or letters following the name of station is as follows:

P = continuous records of pressure (on December 31, 1930);
T = continuous records of temperature (on December 31, 1930);
W = continuous records of wind (direction and velocity) (on December 31, 1930);
V = continuous records of wind (velocity only) (on December 31, 1930);
R = continuous records of rainfall (on December 31, 1930);
S = continuous records of sunshine (on December 31, 1930).

Summary of stations in operation during the year

Taking two observations daily (all elements)	174
Taking one observation daily (all elements)	32
Taking two observations daily (temperature, rain, wind, and weather)	40
Taking one observation daily (temperature, rain, wind, and weather)	32
Taking one observation daily (climatological and cotton)	1
Taking one observation daily (meteorological and river)	1
Taking one observation daily (meteorological and storm warning)	4
Taking one observation daily (cotton)	121
Taking one observation daily (cotton and cattle)	11
Taking one observation daily (sugar and rice)	5
Taking one observation daily (cotton and river)	33
Taking one observation daily (cotton and rainfall)	59
Taking one observation daily (river)	625
Taking one observation daily (rainfall)	314
Taking one observation daily (river, rice, and fruit)	1
Taking one observation daily (sugar and rice and river)	2
Taking one observation daily (river and rice)	1
Taking one observation daily (corn and wheat)	157
Taking one observation daily (corn and wheat and river)	13
Taking one observation daily (corn and wheat and rainfall)	49
Taking one observation daily (corn and wheat, rainfall, and airway)	2
Taking one observation daily (corn and wheat and fruit)	1
Taking one observation daily (corn and wheat, fruit and rainfall)	1
Taking one observation daily (cranberry)	11
Taking one observation daily (fruit)	16
Taking one observation daily (fruit and river)	1
Taking one observation daily (fruit and rainfall)	1
Taking one observation daily (fruit and cotton)	1
Taking one observation daily (cattle)	37
Taking one observation daily (cattle and snowfall)	11
Taking one observation daily (tobacco)	5
Taking one observation daily (alfalfa and cattle)	1
Snowfall	106
Snowfall and evaporation	3
Airway	324
Airway and snowfall	2
Vessel	178
Storm warning	131
Storm warning and airway	3
Total paid stations	2,510
Cooperative stations (about)	[1] 4,500
Grand total	7,010

[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*

Station	Latitude	Longitude	Local meridian time faster or slower than 75th meridian	Elevation Dec. 31, 1930: Barometer above sea	Elevation Dec. 31, 1930: Thermometer above ground	Elevation Dec. 31, 1930: Rain gage above ground	Elevation Dec. 31, 1930: Anemometer above ground	Observations began	Dates of changes in elevation during 1930
	° ′	° ′	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	107	100	115	Dec. 22, 1873	
Alpena, P T W R S	45 05	83 30	34 S.	609	13	4	92	Sept. 22, 1873	
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 11	32 3	49 51	July 21, 1913 ----------	Jan. 1, 1930
Asheville, P T W R S	35 36	82 32	30 S.	2,253	70	61	84	Aug. 22, 1902	
Atlanta, P T W R S	33 45	84 23	38 S.	1,173	190	182	216 198	Sept. 25, 1878 ----------	Nov. 18, 1930
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.	182	62	54	77	Nov. 2, 1870	
Austin, P T W R S	30 16	97 44	1 31 S.	605	136	129	148	Oct. 15, 1926	
Baker, P T W R S	44 46	117 50	2 51 S.	3,471	48	44	53	July 9, 1889	
Baltimore, P T W R S	39 17	76 37	06 S.	123	100	90	215	Jan. 1, 1871	
Bellefonte, P T W S	40 54	77 43	11 S.	1,050	5	4	36	Sept. 1, 1928	
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 79	72 ----	86 87	July 1, 1877 ----------	Nov. 13, 1930
Boston, P T W R S	42 21	71 04	16 F.	125	106	96	165	Nov. 1, 1870	
Broken Arrow, P T W R S	36 02	95 49	1 23 S.	765	11	4	56	May 12, 1918	
Brownsville, P T W R S	26 00	97 26	1 30 S.	57	83	74	100	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.	403	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	
Charles City, P T W R S	43 04	92 38	1 11 S.	1,015	10	4	51	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	190	167	215	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 [2]	41 47	87 35	50 S.	673	7	3	131	-----do-------	
Cincinnati, P T W R S	39 09	84 31	38 S.	627	11	3	51	-----do-------	
Cleveland, P T W R S	41 30	81 42	27 S.	762	267	264	337	-----do-------	
Columbia, Mo., P T W R S	38 57	92 20	1 09 S.	784	6	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.	822	179 216	171 209	222 230	July 1, 1878 ----------	July 1, 1930
Concord, P T W R S	43 12	71 32	14 F.	289	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	78	Feb. 1, 1887	
Dallas, P T W R S	32 46	96 47	1 27 S.	512	220	194	227	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	137	132	173	July 10, 1911	
Del Rio, P T W R S	29 20	100 53	1 44 S.	944	64	56	71	Nov. 9, 1905	
Denver, P T W R S	39 45	105 00	2 00 S.	5,292	106	98	113	Nov. 19, 1871	
Des Moines, P T W R S	41 35	93 37	1 14 S.	861	5	3	99	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	
Dubuque, P T W R S	42 30	90 44	1 03 S.	700	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	5	3	47	Nov. 1, 1870	
Eastport, P T W R S	44 54	66 59	32 F.	76	67	62	85	Apr 1, 1873	
Elkins, P T W R S	38 53	79 49	19 S.	1,947	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.	3,778	152	145	175	Apr. 1, 1878	
Erie, P T W R S	42 07	80 05	20 S.	714	130	122	166	May 25, 1873	
Escanaba, P T W R S	45 48	87 05	48 S.	612	54	44	60	May 24, 1871	
Eureka, P T W R S	40 48	124 11	3 17 S.	62	73	65	89	Jan. 1, 1887	

[1] Summary for this station does not appear in Part III.
[2] Beginning Jan. 1, 1926, the official Chicago station is the one previously designated "Chicago University."

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

Station	Latitude	Longitude	Local meridian time faster or slower than 75th meridian	Elevation Dec. 31, 1930				Observations began	Dates of changes in elevation during 1930
				Barometer above sea	Thermometer above ground	Rain gage above ground	Anemometer above ground		
	° ′	° ′	h. m.	Feet	Feet	Feet	Feet		
Evansville, P T W R S	37 58	87 33	50 S.	431	76	74	116	Dec. 1, 1897	
Fairbanks, P W [1]	64 52	147 39	4 51 S.	455	11	3	44	Nov. 1, 1929	
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	113 100	107 93	124 119	June 1, 1911	June 28, 1930
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 04	86 14	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	87 244	July 1, 1903	Mar. 29, 1930
Green Bay, P T W R S	44 31	88 00	52 S.	617	109	101	141	Sept. 1, 1886	
Greensboro, P T W R S	36 05	79 57	20 S.	886	5	3	56	Nov. 1, 1928	
Greenville, P T W R S	34 50	82 24	30 S.	1,039	139	131	146	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	42	104	July 1, 1888	
Hartford, P T W R S	41 46	72 40	09 F.	159	122	116	----	Oct. 7, 1904	
Hatteras, P T W R S	35 15	75 40	03 S.	11	5	4	50	Dec. 1, 1880	
Havre, P T W R S	48 34	109 40	2 19 S.	2,505	11	4 3	44 67	May 16, 1892	Sept. 30, 1930
Helena, P T W R S	46 34	112 04	2 28 S.	4,124	89	82	113	Apr. 1, 1880	
Honolulu, P T W R S	21 19	157 52	5 31 S.	38	86	68	100	Sept. 1, 1904	
Houghton, P T W R S	47 07	88 34	54 S.	668	64	57	99	Aug. 26, 1900	
Houston, P T W R S	29 47	95 24	1 22 S.	138	292	286	314	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 [1]	36 48	118 12	2 53 S.	3,957	6	4	27	Dec. 1, 1894	
Indianapolis, P T W R S	39 46	86 10	45 S.	822	194	188	230	Feb. 10, 1871	
Iola, P T W R S	37 55	95 25	1 22 S.	984	11	3	50	Aug. 20, 1905	
Ithaca, P T W R S	42 27	76 29	06 S.	836	5 77	4 76	100	Oct. 1, 1899	Oct. 28, 1930
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	50	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.	995	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	6	3	49 88	May 1, 1910	Dec. 9, 1930
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	81	Aug. 8, 1894	
Little Rock, P T W R S	34 45	92 16	1 08 S.	357	136	129	153	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	188	183	234	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	
Marquette, P T W R S	46 34	87 24	50 S.	734	77	70	111	May 11, 1871	
Medford, P T W	42 20	122 51	3 11 S.	1,425	29	25	58	Mar. 11, 1911	
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	87	64	95	Sept. 1, 1889	
Miami, P T W R S	25 48	80 12	21 S.	25	124	117	168	June 3, 1911	
Miles City, P T W R S	46 25	105 49	2 03 S.	2,371	48	41	55	Oct. 1, 1891	
Milwaukee, P T W R S	43 02	87 54	52 S.	681	125	117	221	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.	5,473	10	2	43	Jan. 1, 1901	

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

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

Station	Latitude	Longitude	Local meridian time faster or slower than 75th meridian	Elevation Dec. 31, 1930				Observations began	Dates of changes in elevation during 1930
				Barometer above sea	Thermometer above ground	Rain gage above ground	Anemometer above ground		
	° ′	° ′	h. m.	Feet	Feet	Feet	Feet		
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	
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 [1]	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	71	69	85	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	367	Jan. 1, 1871	
Phoenix, P T W R S	33 28	112 00	2 28 S.	1,108	10	81	107	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 26	80 00	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	
Port Angeles, P T W R S [1]	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	110 146	Apr. 1, 1884 ----------	June 14, 1930
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.	330	5	3	58	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	75	60	99	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	
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	119 242	112 235	132 301	Jan. 2, 1876 ----------	July 1, 1930
San Diego, P T W R S	32 43	117 10	2 49 S.	87	62	55	70	Nov. 1, 1871	
Sandusky, P T W R S	41 25	82 40	31 S.	629	5	3	67	Aug. 2, 1877	
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	
Santa 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	
Sheridan, P W T 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	

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

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

Station	Latitude	Longitude	Local meridian time faster or slower than 75th meridian	Elevation Dec. 31, 1930: Barometer above sea	Elevation Dec. 31, 1930: Thermometer above ground	Elevation Dec. 31, 1930: Rain gage above ground	Elevation Dec. 31, 1930: Anemometer above ground	Observations began	Dates of changes in elevation during 1930
	° ′	° ′	h. m.	Feet	Feet	Feet	Feet		
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	154 5	148 3	191	July 1, 1879	Nov. 1, 1930
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.	596	65	57	79	Aug. 22, 1902	
Tacoma, P T W R S	47 16	122 23	3 10 S.	194	172	165	201	May 1, 1897	
Tampa, P T W R S	27 57	82 27	30 S.	35	79	71	87 197	Mar. 13, 1890	Jan. 1, 1930
Tatoosh Island, P T W R S	48 23	124 44	3 19 S.	86	9	4	53	Nov. 22, 1902	
Taylor, P T W R S	30 35	97 20	1 29 S.	583	55 38	48 36	63 51	Nov. 13, 1901	July 1, 1930
Terre Haute, P T W R S	39 29	87 24	50 S.	575	96	86	129	July 20, 1912	
Thomasville, P T W R S	30 48	83 58	36 S.	273	49 48	41	58 103	Aug. 20, 1905	Mar. 10, 1930
Toledo, P T W R S	41 40	83 34	34 S.	628	208	201	243	Nov. 1, 1870	
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 13	74 46	01 F.	190	159	105	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, P T W R S	44 57	89 35	58 S.	1,247	4	4	62	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	
Yakima, P T W R S	46 36	120 30	3 02 S.	1,076	58	52	67	Nov. 15, 1928	
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 [1]	44 58	110 42	2 23 S.	6,241	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.	118	4	3	31	July 1, 1929	
Barrow [1]	71 23	156 17	5 25 S.	13	4	5	34	Sept. 28, 1920	
Bethel [1]	61 43	161 47	5 47 S.	38	6	4	-----	Aug. 22, 1923	
Dutch Harbor	53 55	166 30	6 06 S.	13	4	3	-----	Aug. 24, 1911	
Eagle	64 46	141 12	4 25 S.	815	4	3	-----	Aug. 20, 1899	
Fairbanks, P W [1]	64 52	147 39	4 51 S.	455	11	3	44	Nov. 1, 1919	
Fort Yukon [1]	66 34	145 18	4 41 S.	-----	5	4	-----	Sept. 18, 1923	
Juneau, P T W R S	58 18	134 24	3 58 S.	80	11	4	50	Jan. 5, 1917	
Ketchikan [1]	55 20	131 37	3 46 S.	20	43	42	59	Oct. 17, 1929	
Kodiak	57 47	152 22	5 09 S.	15	6	3	-----	Oct. 3, 1915	
Nome	64 30	165 24	6 02 S.	22	4	5	34	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	26 64	Sept. 12, 1917	Aug. 29, 1930
Tanana	65 10	152 06	5 08 S.	228	4	3	-----	Sept. 8, 1909	

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

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

WEST INDIAN STATIONS

Station	Latitude	Longitude	Local meridian time faster or slower than 75th meridian	Elevation Dec. 31, 1930				Observations began	Dates of changes in elevation during 1930
				Barometer above sea	Thermometer above ground	Rain gage above ground	Anemometer above ground		
Barbados [3]									
Bridgetown [1]	° ′ 13 04	° ′ 59 37	h. m. 1 02 F.	Feet 30	Feet 6	Feet 3	Feet 30	Aug. 15, 1898	
British Honduras									
Belize [1]	17 30	88 12	53 S.	17	5	3	46	Dec. 1, 1916	
Cuba									
Guane [1]								June 15, 1918	
Santa Cruz del Sur [1]	20 48	78 27	14 S.					July 3, 1918	
Dominica [3]									
Roseau [1]	15 17	61 23	54 F.	25				Oct. 20, 1898	
Haiti [3]									
Port au Prince [1]	18 35	72 18	11 F.	124	16			Mar. 15, 1917	
Honduras [3]									
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 [3]									
Kingston [1]	17 58	76 48	07 S.	24	48	51	63	Aug. 16, 1898	
Nicaragua [3]									
Bluefields, **V** [1]	12 00	83 45	35 S.	17	4	3	26	Jan. 1, 1917	
Cape Gracias [1]	15 00	83 09	33 S.	10		3	34	Sept. 1, 1927	
Porto Rico									
San Juan, **P T W R S**	18 29	66 07	36 F.	82	9	4	54	Nov. 1, 1898	
St. Kitts [3]									
Basseterre [1]	17 18	62 43	49 F.	30				Aug. 25, 1898	
St. Lucia [3]									
Castries, **V** [1]	13 50	60 55	56 F.	319	6	3	92	Aug. 16, 1917	
Santo Domingo [3]									
Puerto Plata, **V** [1]	19 49	70 43	17 F.	27	23	20	24	Sept. 16, 1917	
Santo Domingo [1]	18 28	69 53	20 F.	57	40	45	60	Nov. 1, 1898	
Trinidad [3]									
Port of Spain [1]	10 35	61 30	54 F.	40				Aug. 7, 1898	
Turks Island [3]									
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. [3] Reports received during the hurricane season, June 1 to Nov. 15.

TABLE II—*Changes in Weather Bureau stations during 1930*

ESTABLISHED

Station	Date established
FIRST ORDER (primarily for airway service)	
Elko, Nev	Nov. 6
Nome, Alaska	Aug. 1
Pasco, Wash	Sept. 29
Spartanburg, S. C	June 14
FIRST ORDER (for airway and special-research purposes)	
Akron, Ohio	Dec. 1
SECOND ORDER	
Soda Springs, Calif	Mar. 16
AIRWAY	
Aberdeen Proving Grounds, Md	Feb. 1
Abilene, Tex	July 16
Alhambra, Calif	Dec. 11
Anacortes, Wash	Feb. 5
Anahuac, Tex	Dec. 21
Anniston, Ala	Jan. 15
Anniston, Ala	Oct. 21
Arcadia, La	Nov. 1
Armonk, N. Y	Feb. 17
Baker, Calif	Dec. 17
Barrow, Alaska	Aug. 1
Batavia, N. Y	Sept. 1
Beacon, N. Y	May 5
Beaver Falls, Pa	June 1
Bellingham, Wash	Feb. 5
Bend, Oreg	Nov. 1
Bethel, Alaska	Aug. 1
Birmingham, Ala	July 9
Blaine, Wash	Feb. 5
Boise, Idaho	June 1
Burbank, Calif	July 9
Burns, Oreg	Nov. 1
Burns, Wyo	Nov. 15
Camden, N. J	Feb. 3
Campo, Calif	Mar. 13
Candle, Alaska	Aug. 1
Carrolls, Wash	Sept. 1
Cassoday, Kans	July 25
Charlotte, N. C	June 1
Cincinnati, Ohio	May 7
Circle, Alaska	July 1
Columbus, Ohio	May 7
Connell, Wash	Nov. 16
Cordova, Alaska	July 1
Craig, Alaska	Do.
Dallas (Love Field), Tex	Apr. 20
Dalton, Ga	Feb. 1
Descanso, Calif	Mar 13
Dillon, Mont	Sept. 1
Eagle, Alaska	July 1
Elko, Nev	Feb. 1
Emmett, Idaho	Nov. 16
Estero, Calif	July 1
Eugene, Oreg	Mar. 25
Eureka, Calif	Aug. 20
Eutaw, Ala	Oct. 21
Everett, Wash	Feb. 5
Flat Top, W. Va	Oct. 20
Floriston, Calif	Dec. 1
Forest, Miss	Oct. 21
Fort Worth, Tex	July 22
Fort Yukon, Alaska	Aug. 1
Goldendale, Wash	Mar. 1
Golovin, Alaska	Jan. 1
AIRWAY—continued	
Grand Mound, Iowa	July 20
Greeley, Colo	Sept. 6
Greenville, S. C	Sept. 1
Guthrie, Okla	Mar. 1
Haines, Alaska	July 1
Hartford (Brainard Field), Conn	Feb. 18
Hebron, Md	Apr. 21
Hilo, Hawaii	Aug. 1
Holy Cross, Alaska	July 1
Hot Springs, Alaska	Do.
Iditarod, Alaska	Do.
Iowa City, Iowa	Mar. 5
Jackson, Mich	Feb. 1
Jackson, Miss	Sept. 5
Jacumba, Calif	Mar. 13
Kaltag, Alaska	Nov. 1
Kanakanak, Alaska	Feb. 1
Kaunakakai (Molokai), Hawaii	Oct. 6
Kotzebue, Alaska	Aug. 1
Kukuihaele, Hawaii	Do.
Lake Arthur, La	Dec. 1
Lansing, Mich	July 1
Laupahoehoe, Hawaii	Aug. 1
Little Rock, Ark	Dec. 10
Livengood, Alaska	July 1
Long Beach, Calif	May 1
Maalaea (Maui), Hawaii	Aug. 1
Manchester, Tenn	Mar. 18
Meacham, Oreg	Dec. 1
Millers Field, Calif	Jan. 1
Milroy, Ind	Oct. 16
Mineola, Tex	Nov. 1
Mitchel Field, N. Y	Feb. 1
Montague, Calif	Mar. 25
Mountain Pass, Calif	Dec. 17
Muskegon, Mich	Oct. 17
Nenana, Alaska	Aug. 1
Newark, N. Y	Mar. 16
New Haven (Bethany Field), Conn	Feb. 6
New Orleans, La	May 1
North Platte, Nebr	Mar. 22
Nulato, Alaska	July 1
Ogden, Utah	Dec. 15
Ottawa, Kans	June 1
Parco, Wyo	Feb. 22
Pasco, Wash	Nov. 7
Patterson, La	Dec. 1
Peoria, Ill	Nov. 10
Pleasant Valley, Oreg	Jan. 25
Point No Point, Wash	May 29
Pontiac, Mich	June 17
Port Allen (Kauai), Hawaii	Aug. 1
Port Townsend, Wash	June 20
Ranger, Tex	Dec. 1
Red Bluff, Calif	Mar. 1
Richmond, Ind	May 7
Rochester, Minn	Jan. 19
Rockford, Ill	Apr. 21
Rock Springs, Wyo	Feb. 1
Roseburg, Oreg	Mar. 25
Roy, Wash	Nov. 13
Ruby, Alaska	July 1
Russellville, Ky	Feb. 1
Sacramento, Calif	May 1
St. Elmo, Ill	May 30
St. Michael, Alaska	July 1
San Diego, Calif	Feb. 1
Santa Maria, Calif	May 16
Savoonga, Alaska	Nov. 1
Seward, Alaska	July 1

TABLE II—*Changes in Weather Bureau stations during 1930*—Continued

ESTABLISHED—Continued

Station	Date established
AIRWAY—continued	
Sexton Mountain, Oreg	Mar. 25
Siskiyou Summit, Oreg	Do.
Sitka, Alaska	July 1
Solomon, Alaska	Aug. 1
Spokane, Wash	Dec. 8
Springfield, Ill	May 1
Springfield, Tenn	Apr. 11
Squaw Harbor, Alaska	July 1
Stanwood, Wash	Feb. 5
Tacoma (airport), Wash	May 10
Takotna, Alaska	July 1
Tallapoosa, Ga	Oct. 21
Tanana, Alaska	July 1
Teller, Alaska	Do.
Tenino, Wash	Nov. 13
Thomasville, Ala	Nov. 16
Thomasville, Ga	Oct. 1
Ticonderoga, N. Y	Apr. 4
Trenton, N. J	Feb. 6
Tulsa, Okla	Mar. 6
Tuscaloosa, Ala	Oct. 21
Umatilla, Oreg	Apr. 7
Unalakleet, Alaska	Nov. 1
Upolu, T. H	Aug. 1
Urbanna, Va	Feb. 21
Valdez, Alaska	July 1
Washougal, Wash	Mar. 1
Waynetown, Ind	Apr. 1
Wichita Falls, Tex	Sept. 1
Wilmington, N. C	July 28
Winlock, Wash	Nov. 5
Wiseman, Alaska	July 1
Wrangell, Alaska	Do.
Wytheville, Va	July 9
AIRWAY AND SNOWFALL	
Arthur, Nev	Feb. 1
CATTLE	
Cedar City, Utah	July 1
Park Valley, Utah	Jan. 1
St. George, Utah	July 1
CORN AND WHEAT	
Beach, N. Dak	Apr. 1
Colfax, Wash	July 1
Condon, Oreg	Do.
Dayton, Wash	Do.
Driggs, Idaho	Do.
Grangeville, Idaho	Do.
Heppner, Oreg	Do.
Hill City, Idaho	Do.
Hillsboro, Ill	Do.
La Crosse, Wash	Do.
La Grande, Oreg	Do.
Malad, Idaho	Do.
Moscow, Idaho	Do.
Odessa, Wash	Do.
Pendleton, Oreg	Do.
Pomeroy, Wash	Do.
Ritzville, Wash	Do.
Rosalia, Wash	Do.
Wallowa, Oreg	Do.
Wasco, Oreg	Do.
Waterville, Wash	Do.
Wilbur, Wash	Do.
COTTON	
Dublin, Ga	Mar. 6
Marianna, Fla	Nov. 22
COTTON AND RAINFALL	
Clanton, Ala	July 1
Goodwater, Ala	Do.
Union Springs, Ala	Do.
FRUIT	
Compass Lake, Fla	Nov. 22
RIVER	
Beaver Falls, Pa	June 1
Billings, Mont	Apr. 10
Concordia, Kans	Apr. 1
Cuyler (p. o. Blitchton,) Ga	July 1
Dover, Ga	Do.
Dublin, Ga	Mar. 6
Elba, Ala	July 1
Ellenton, S. C	Oct. 16
Eugene, Oreg	Mar. 25
Lindsborg, Kans	Feb. 1
McLean (near), Va	Aug. 16
Meldrim, Ga	Oct. 1
Midville, Ga	July 1
Miles City, Mont	Apr. 10
Richmond, Va	Oct. 16
Rosslyn, Va	Aug. 19
Samson, Ala	Oct. 1
Scotland Neck, N. C	July 1
Williamston, N. C	Do.
(RIVER RAINFALL)	
Afton (near), Va	July 1
Brantley, Ala	Do.
Brundidge, Ala	Do.
Charleston, Ill	Do.
Circleville (near), W. Va	Do.
Davis (near), W. Va	Do.
Electra, Calif	Do.
Emmitsburg, Md	Do.
Frisco City, Ala	Do.
Grantsville, Md	Do.
Hartwell, Ga	Oct. 1
Horton (near), W. Va	Do.
Huxford, Ala	Do.
Monterey, Va	Do.
Sparta, Ga	Do.
Thornwood (near), W. Va	Do.
Valley Head, Ala	Do.
Valmora, N. Mex	Jan. 1
Volta, Calif	July 1
RIVER AND CORN AND WHEAT	
Vincennes, Ind	Oct. 1
SNOWFALL	
Arthur, Nev	Dec. 1
Markleeville, Calif	Oct. 1
STORM WARNING	
Columbia, N. C	Mar. 1
Westport, Wash	Sept. 1

TABLE II—*Changes in Weather Bureau stations during 1930*—Continued

DISCONTINUED

Station	Date discontinued
SECOND ORDER	
Barrow, Alaska	July 31
Bethel, Alaska	Do.
Eagle, Alaska	Sept. 30
Fort Yukon, Alaska	July 31
Nome, Alaska	Oct. 31
THIRD ORDER	
Grayling, Mich	Dec. 15
AIRWAY	
Akron, Ohio	Dec. 31
Anniston, Ala	Feb. 28
Arthur, Nev	Jan. 31
Auburn, Calif	Jan. 28
Baker, Oreg	June 29
Baltimore, Md	Feb. 28
Boston, Mass	Feb. 15
Burmeister, Utah	Sept. 30
Cartersville, Ga	Dec. 13
Corpus Christi, Tex	June 30
Danville, Ill	Mar. 31
Elko, Nev	Nov. 5
Fernley, Nev	May 15
Grants Pass, Oreg	Mar. 24
Greenville, Ky	Aug. 12
Havre de Grace, Md	Feb. 28
Hebron, Md	July 16
Kankakee, Ill	Mar. 31
Lander, Wyo	Jan. 31
Mineola, Tex	Dec. 31
New Florence, Mo	May 4
North Platte, Nebr	Sept. 7
North Stonington, Conn	Mar. 15
Pasco, Wash	Sept. 29
Roseburg, Oreg	July 15
Sacramento (Mather Field), Calif	Apr. 30
San Luis Obispo, Calif	May 15
Sewanee, Tenn	Nov. 5
Tarkio, Mo	Feb. 5
Topliff, Utah	Sept. 30
Vincennes, Ind	Do.
Wendover, Utah	Do.
Wilmington, Del	Feb. 28
AIRWAY AND RIVER	
Beaver Falls, Pa	May 31
Eugene, Oreg	Mar. 24
CORN AND WHEAT	
Macksville, Kans	Nov. 30
CORN AND WHEAT AND RAINFALL	
Hillsboro, Ill	June 30
COTTON	
Clanton, Ala	June 30
Goodwater, Ala	Do.
Union Springs, Ala	Do.
COTTON AND FRUIT	
Marianna, Fla	Nov. 21
FRUIT	
Blalock Orchards, Wash	Mar. 31
Bluff Springs, Fla	Nov. 21
Kennewick, Wash	Mar. 31
RIVER	
Bellota, Calif	Apr. 30
Clyde, Kans	Mar. 31
Cuyler (p. o. Blitchton), Ga	Sept. 30
Electra, Calif	May 31
Fremont, Nebr	June 30
Jenny Lind, Calif	Apr. 30
Judsonia, Ark. (Dam No. 1)	June 30
Mentor, Kans	Jan. 31
Northville, N. Y	Apr. 30
Pera, Ala	Sept. 30
RIVER AND COTTON	
Dublin, Ga	Mar. 5
Melville, La	Dec. 31
RIVER (RAINFALL)	
Annapolis, Mo	May 31
Aurora, Ill	Do.
Ava, Mo	Do.
Bunker, Mo	Do.
Clearmont, Mo	Do.
Clinton, Ark	June 30
De Soto, Mo	May 31
Elba, Ala	June 30
Ellington, Mo	May 31
Evening Shade, Ark	June 30
Heber Springs, Ark	Do.
Mineral Point, Mo	May 31
Noti, Oreg	Dec. 31
Pontiac, Ill	May 31
Sisson (Mount Shasta), Calif	Oct. 15
Spartanburg, S. C	Dec. 31
Wayland, Ky	Feb. 28
SNOWFALL	
Arthur, Nev	Jan. 31
Bear Valley, Oreg	June 30
Carr's Ranch (p. o. Kirby), Ariz	Do.
STORM WARNING	
Aransas Pass, Harbor Island, Tex	Dec. 31
Cape Vincent, N. Y	June 30
Morgans Point, Tex	July 31
Point Reyes, Calif	June 8
Reedville, Va	Dec. 31

SUNSHINE, 1930

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, 1930

Station	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	141	48	170	57	242	65	262	65	279	61	338	74
Alpena, Mich	101	35	151	52	232	63	245	60	307	67	298	64
Amarillo, Tex	151	48	249	81	237	64	277	71	326	75	354	82
Anniston, Ala	166	53	216	70	204	55	264	67	246	57	325	75
Apalachicola, Fla	166	51	198	63	165	44	280	72	317	75	288	68
Asheville, N. C	130	42	215	71	206	55	247	63	219	50	270	62
Atlanta, Ga	167	53	244	79	214	58	299	76	303	70	350	81
Atlantic City, N. J	132	44	193	64	247	66	220	55	309	70	285	64
Augusta, Ga	202	63	255	83	233	63	325	83	341	79	315	73
Austin, Tex	110	34	176	56	214	58	276	71	202	48	308	73
Baker, Oreg	154	54	131	45	230	62	241	59	238	52	381	82
Baltimore, Md	120	40	170	57	250	67	237	60	318	72	330	74
Binghamton, N. Y	96	33	133	45	191	52	204	51	259	57	320	70
Birmingham, Ala	151	48	202	66	224	60	325	83	310	72	388	90
Bismarck, N. Dak	121	43	150	52	216	58	220	54	252	54	315	66
Block Island, R. I	117	39	185	62	238	64	241	60	225	50	221	49
Boise, Idaho	121	42	130	44	241	65	295	73	290	63	408	88
Boston, Mass	113	38	181	61	236	64	293	73	271	60	306	67
Broken Arrow, Okla	176	57	206	67	298	80	263	67	291	67	312	71
Brownsville, Tex	69	21	185	59	141	38	225	59	128	31	314	76
Buffalo, N. Y	110	38	137	46	183	49	214	53	290	64	315	69
Burlington, Vt	65	22	130	44	178	48	236	58	198	43	284	61
Canton, N. Y	116	41	160	55	191	52	252	62	248	54	307	66
Cape Henry, Va	140	45	240	79	258	69	257	65	316	72	329	75
Charles City, Iowa	173	59	142	48	261	70	257	64	278	61	297	65
Charleston, S. C	157	49	240	78	215	58	305	78	331	77	265	62
Charlotte, N. C	141	45	236	77	242	65	283	72	295	68	284	65
Chattanooga, Tenn	134	43	186	61	218	59	271	69	242	56	356	82
Cheyenne, Wyo	212	71	194	65	274	74	278	70	239	53	399	88
Chicago University, Ill	132	45	143	48	217	59	245	61	299	66	323	71
Cincinnati, Ohio	128	42	165	55	248	67	289	73	335	75	361	81
Cleveland, Ohio	93	32	95	32	191	52	249	62	309	68	330	72
Columbia, Mo	152	50	179	59	281	76	250	63	316	71	336	75
Columbus, Ohio	81	27	92	31	172	46	212	53	240	54	282	63
Concordia, Kans	179	59	227	76	280	75	265	67	308	69	349	78
Dallas, Tex	134	42	191	62	257	69	273	70	252	59	347	81
Dayton, Ohio	102	34	119	40	207	56	246	62	304	68	344	77
Del Rio, Tex	175	54	238	76	213	57	226	59	192	46	235	56
Denver, Colo	149	50	170	57	204	55	241	60	213	48	348	78
Des Moines, Iowa	187	63	181	61	272	74	256	64	270	60	319	70
Detroit, Mich	78	26	71	24	158	43	159	40	210	47	248	55
Devils Lake, N. Dak	116	42	137	48	267	72	254	62	256	54	312	65
Dodge City, Kans	195	64	256	85	316	85	304	77	341	77	384	87
Dubuque, Iowa	148	50	128	43	216	58	250	62	280	62	312	68
Due West, S. C	183	58	245	80	238	64	293	75	350	81	286	66
Eastport, Me	123	43	137	47	197	53	244	60	235	51	237	51
Elkins, W. Va	101	33	125	42	213	57	223	56	268	60	314	70
Ellendale, N. Dak	162	57	174	60	262	71	268	66	298	64	366	78
El Paso, Tex	231	72	274	89	283	76	321	83	382	89	359	84
Erie, Pa	66	22	103	35	182	49	235	58	306	68	324	71
Escanaba, Mich	152	54	132	46	208	56	250	61	268	58	297	63
Eureka, Calif	85	29	126	42	258	70	204	51	286	64	305	67
Evansville, Ind	129	42	160	53	260	70	268	68	280	63	344	78
Fort Smith, Ark	118	38	178	58	238	64	233	59	274	63	328	75
Fort Wayne, Ind	103	34	124	41	217	59	222	56	302	67	333	74

Sunshine, 1930—Continued

Station	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	347	75	313	73	292	78	200	59	132	45	124	44	2,841	62
Alpena, Mich	408	87	368	85	248	66	157	46	93	32	54	20	2,664	56
Amarillo, Tex	369	84	349	84	287	77	188	54	254	82	240	79	3,281	73
Anniston, Ala	303	69	284	68	197	53	267	76	168	54	165	54	2,804	63
Apalachicola, Fla	290	68	295	72	229	62	247	70	159	50	136	43	2,770	62
Asheville, N. C	269	60	283	68	168	45	209	60	137	45	125	41	2,476	55
Atlanta, Ga	302	69	284	68	174	47	251	71	138	44	140	45	2,863	63
Atlantic City, N. J	291	64	299	71	240	64	231	67	166	55	136	46	2,749	61
Augusta, Ga	305	70	344	83	237	64	245	70	146	47	160	52	3,108	69
Austin, Tex	364	85	340	83	256	69	187	53	127	40	182	57	2,741	62
Baker, Oreg	432	92	348	80	232	62	222	65	171	60	172	63	2,952	65
Baltimore, Md	320	71	302	71	266	71	255	74	149	49	141	48	2,859	63
Binghamton, N. Y	315	68	265	62	243	65	149	43	114	38	75	26	2,365	51
Birmingham, Ala	378	86	334	81	244	66	249	71	170	54	147	48	3,123	69
Bismarck, N. Dak	392	82	243	55	256	68	160	47	151	54	115	43	2,590	56
Block Island, R. I	232	51	241	57	187	50	158	46	136	46	110	38	2,291	51
Boise, Idaho	415	89	335	77	274	73	244	72	203	70	130	47	3,087	67
Boston, Mass	274	59	294	69	275	73	195	57	155	52	130	46	2,724	60
Broken Arrow, Okla	389	88	328	78	243	65	232	67	232	75	184	61	3,153	70
Brownsville, Tex	329	78	339	84	253	68	151	42	129	39	117	36	2,378	53
Buffalo, N. Y	351	76	275	64	280	75	194	57	150	51	57	20	2,554	55
Burlington, Vt	276	59	228	53	173	46	186	55	105	36	55	20	2,114	45
Canton, N. Y	339	72	281	65	212	56	201	59	108	37	60	22	2,475	53
Cape Henry, Va	333	74	299	71	247	66	238	68	153	50	129	43	2,939	65
Charles City, Iowa	354	76	300	70	304	81	150	44	183	63	116	41	2,816	62
Charleston, S. C	317	73	322	78	249	67	261	74	149	47	162	52	2,972	66
Charlotte, N. C	283	64	267	64	208	56	255	73	161	52	164	54	2,819	63
Chattanooga, Tenn	307	69	231	55	181	49	217	62	133	43	117	38	2,593	57
Cheyenne, Wyo	332	72	273	64	266	71	238	69	237	80	241	84	3,182	72
Chicago University, Ill	363	79	292	68	275	73	198	58	158	53	101	36	2,746	60
Cincinnati, Ohio	368	81	278	66	256	69	228	66	142	47	106	36	2,905	63
Cleveland, Ohio	370	80	285	66	250	67	155	45	123	42	61	21	2,510	53
Columbia, Mo	398	88	291	69	245	66	215	62	232	77	166	56	3,060	68
Columbus, Ohio	356	78	256	60	248	66	223	65	154	51	84	29	2,399	52
Concordia, Kans	386	85	344	81	288	77	191	55	229	76	168	58	3,214	71
Dallas, Tex	390	89	318	77	269	72	202	57	183	58	191	61	3,006	66
Dayton, Ohio	375	82	268	63	250	67	219	63	148	49	76	26	2,659	57
Del Rio, Tex	328	77	348	85	278	75	119	34	108	34	155	49	2,616	58
Denver, Colo	248	54	259	61	282	75	267	77	228	76	216	74	2,825	64
Des Moines, Iowa	372	81	275	64	284	76	198	58	207	70	137	48	2,959	66
Detroit, Mich	253	55	274	64	244	65	144	42	124	42	60	21	2,023	44
Devils Lake, N. Dak	378	78	303	68	251	67	131	39	152	55	123	47	2,680	58
Dodge City, Kans	379	84	359	85	320	86	190	55	246	81	228	77	3,519	79
Dubuque, Iowa	374	81	292	68	278	74	142	41	168	57	104	36	2,692	58
Due West, S. C	287	65	324	78	238	64	254	72	138	44	158	51	2,996	66
Eastport, Me	204	43	205	47	203	54	155	46	116	40	84	31	2,140	47
Elkins, W. Va	321	71	229	54	226	61	181	52	153	51	81	28	2,434	53
Ellendale, N. Dak	413	87	322	74	303	81	163	48	169	59	140	52	3,039	66
El Paso, Tex	322	74	342	83	318	86	291	83	215	68	241	77	3,580	80
Erie, Pa	361	78	303	71	237	63	119	35	60	20	44	15	2,340	49
Escanaba, Mich	335	71	302	69	236	63	158	47	132	46	92	34	2,564	56
Eureka, Calif	257	56	221	52	124	33	231	67	184	62	214	75	2,496	56
Evansville, Ind	356	79	299	71	206	55	231	66	152	50	118	40	2,803	61
Fort Smith, Ark	372	84	284	68	255	69	198	57	176	57	180	59	2,834	63
Fort Wayne, Ind	352	77	215	50	182	49	195	57	123	41	74	26	2,442	53

Sunshine, 1930—Continued

Station	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
Fresno, Calif	126	41	235	77	295	80	331	84	345	79	431	98
Galveston, Tex	130	40	174	56	186	50	296	77	228	54	338	81
Grand Haven, Mich	54	18	108	37	213	57	249	62	278	61	330	72
Grand Junction, Colo	147	48	197	65	258	70	302	76	284	64	372	83
Grand Rapids, Mich	121	41	148	50	230	62	238	59	289	64	336	73
Green Bay, Wis	139	49	122	42	180	49	245	61	265	57	277	59
Greensboro, N. C	111	36	246	81	253	68	245	62	306	70	304	70
Greenville, S. C	146	47	226	74	229	62	279	71	274	63	306	70
Groesbeck, Tex	121	38	155	50	213	57	285	73	215	50	334	78
Harrisburg, Pa	96	32	141	47	231	62	214	54	322	72	367	82
Havre, Mont	134	49	120	42	237	64	252	61	275	58	323	67
Helena, Mont	133	47	147	51	196	53	286	70	284	61	380	80
Honolulu, Hawaii	212	62	238	74	223	60	248	66	301	74	242	60
Houston, Tex	104	32	149	48	174	47	284	73	210	50	368	87
Huron, S. Dak	166	57	181	62	263	71	224	55	287	63	361	78
Indianapolis, Ind	113	38	168	56	226	61	253	63	309	69	322	72
Ithaca, N. Y	110	37	148	50	148	40	198	49	248	55	308	68
Jacksonville, Fla	161	50	209	67	182	49	294	76	336	79	218	52
Juneau, Alaska	155	69	44	17	79	22	177	41	200	38	238	44
Kalispell, Mont	156	56	153	53	209	57	288	70	286	61	339	71
Kansas City, Mo	179	59	234	78	315	85	298	75	344	77	389	87
Keokuk, Iowa	172	57	179	60	279	75	276	69	307	69	325	72
Key West, Fla	236	71	240	76	267	72	269	70	269	65	186	45
Knoxville, Tenn	128	41	202	66	207	56	276	70	267	61	335	77
La Crosse, Wis	171	59	138	47	220	59	249	62	249	54	262	57
Lander, Wyo	178	61	177	60	248	67	268	66	258	57	394	86
Lansing, Mich	122	42	148	50	238	64	234	58	295	65	332	72
Lexington, Ky	111	36	139	46	195	52	264	67	259	59	327	74
Little Rock, Ark	137	44	168	55	234	63	266	68	263	61	374	86
Los Angeles, Calif	180	57	241	79	249	67	298	76	314	73	296	69
Louisville, Ky	162	53	163	54	243	66	308	78	323	73	366	83
Ludington, Mich	85	29	101	34	197	53	271	67	297	65	332	72
Lynchburg, Va	134	43	183	60	255	69	216	55	286	65	305	69
Macon, Ga	206	65	257	83	245	66	336	86	370	86	364	85
Madison, Wis	152	52	122	41	217	59	247	61	240	53	274	60
Marquette, Mich	74	27	105	36	176	48	213	52	203	43	227	48
Memphis, Tenn	138	44	154	50	212	57	245	63	277	64	357	82
Meridian, Miss	136	43	170	55	170	46	282	72	258	60	362	85
Miami, Fla	216	65	206	65	238	64	226	59	255	61	170	41
Miles City, Mont	138	49	138	47	238	64	282	69	294	63	377	80
Milwaukee, Wis	160	55	176	60	232	63	264	66	274	60	321	70
Minneapolis, Minn	160	56	118	40	247	67	291	72	278	60	318	68
Mobile, Ala	141	44	193	62	223	60	327	84	287	67	335	79
Modena, Utah	184	60	242	80	278	75	292	74	317	72	394	89
New Haven, Conn	123	41	201	68	260	70	239	60	279	62	329	73
New Orleans, La	163	50	178	57	177	48	286	74	283	67	351	83
New York, N. Y	119	40	187	63	267	72	256	64	306	68	325	72
Norfolk, Va	132	43	231	76	243	65	248	63	322	73	330	75
North Head, Wash	121	43	82	28	167	45	160	39	175	38	216	46
North Platte, Nebr	210	71	222	74	250	67	219	55	244	54	336	74
Oklahoma City, Okla	164	52	230	75	297	80	268	68	279	64	306	71
Omaha, Nebr	202	68	228	76	290	78	260	65	312	70	377	83
Oswego, N. Y	48	17	94	32	152	41	200	50	268	59	278	60
Parkersburg, W. Va	61	20	94	31	163	44	204	51	261	59	280	63
Pensacola, Fla	179	55	190	61	160	43	264	68	265	63	309	73

Sunshine, 1930—Continued

Station	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
Fresno, Calif	420	94	386	92	315	85	320	92	244	80	210	70	3,659	81
Galveston, Tex	344	80	333	82	210	57	242	68	150	47	154	48	2,784	62
Grand Haven, Mich	375	81	314	73	265	71	144	42	84	29	52	18	2,466	52
Grand Junction, Colo	309	68	318	75	264	71	287	83	231	77	211	72	3,180	71
Grand Rapids, Mich	358	77	300	70	224	60	97	28	64	22	52	18	2,456	52
Green Bay, Wis	339	72	316	73	257	68	137	40	161	56	82	30	2,521	55
Greensboro, N. C	303	68	281	67	201	54	215	62	135	44	162	54	2,762	61
Greenville, S. C	305	69	280	67	205	55	241	69	150	48	161	53	2,801	62
Groesbeck, Tex	367	85	316	77	256	69	210	59	167	53	148	47	2,788	61
Harrisburg, Pa	377	83	311	73	285	76	245	71	126	42	107	37	2,822	61
Havre, Mont	375	77	353	79	258	68	211	63	161	58	167	65	2,866	63
Helena, Mont	356	74	302	69	242	64	130	39	132	47	157	59	2,745	60
Honolulu, Hawaii	288	70	254	64	255	69	272	75	247	74	241	71	3,023	68
Houston, Tex	345	80	307	75	238	64	213	60	159	50	128	40	2,680	59
Huron, S. Dak	399	85	277	64	290	77	189	55	167	58	133	48	2,937	64
Indianapolis, Ind	367	81	246	58	234	63	236	68	142	48	101	35	2,716	59
Ithaca, N. Y	312	68	242	57	247	66	174	51	121	41	59	21	2,316	50
Jacksonville, Fla	333	78	307	75	242	65	233	66	133	42	123	39	2,771	62
Juneau, Alaska	132	24	107	23	87	23	112	35	27	11	3	2	1,361	29
Kalispell, Mont	387	80	340	77	217	58	139	41	60	22	33	13	2,607	55
Kansas City, Mo	410	91	358	85	296	79	213	62	252	84	174	60	3,462	77
Keokuk, Iowa	368	81	281	66	256	69	218	63	201	67	150	52	3,011	67
Key West, Fla	320	76	275	68	263	71	242	68	195	59	180	55	2,941	66
Knoxville, Tenn	318	72	250	60	208	56	232	67	137	45	96	32	2,657	59
La Crosse, Wis	356	76	303	70	293	78	164	48	172	59	100	36	2,676	59
Lander, Wyo	322	70	266	62	288	77	233	68	198	68	200	71	3,032	68
Lansing, Mich	383	82	314	73	257	69	159	47	133	45	79	28	2,694	58
Lexington, Ky	329	73	252	60	171	46	205	59	149	49	120	41	2,521	55
Little Rock, Ark	368	83	312	75	250	67	225	64	168	54	156	51	2,921	64
Los Angeles, Calif	361	82	329	79	256	69	309	88	258	83	280	91	3,371	76
Louisville, Ky	368	82	313	74	234	63	235	68	168	55	104	35	2,989	65
Ludington, Mich	394	84	371	86	285	76	144	42	100	34	50	18	2,627	55
Lynchburg, Va	346	77	276	66	258	69	212	61	122	40	124	42	2,717	60
Macon, Ga	339	78	347	84	253	68	290	82	166	53	174	56	3,347	74
Madison, Wis	315	68	264	61	246	66	143	42	153	52	103	37	2,476	54
Marquette, Mich	256	53	329	75	161	43	80	24	66	23	48	18	1,939	41
Memphis, Tenn	333	75	266	64	152	41	217	62	138	45	150	49	2,641	58
Meridian, Miss	317	73	279	68	185	50	223	63	177	56	184	59	2,744	61
Miami, Fla	304	72	251	62	243	66	219	61	200	61	182	56	2,710	61
Miles City, Mont	367	77	307	70	284	75	165	49	175	62	171	64	2,936	66
Milwaukee, Wis	371	80	328	76	274	73	158	46	150	51	96	34	2,806	61
Minneapolis, Minn	377	80	318	73	246	65	172	51	169	59	104	38	2,797	61
Mobile, Ala	315	73	291	71	203	55	248	70	137	43	132	42	2,832	62
Modena, Utah	321	71	330	78	303	81	290	83	244	80	250	84	3,445	77
New Haven, Conn	341	74	294	69	254	68	254	74	153	52	128	45	2,855	63
New Orleans, La	290	68	246	60	184	50	249	70	168	53	118	37	2,694	60
New York, N. Y	321	70	283	66	264	71	239	69	153	52	132	46	2,851	63
Norfolk, Va	318	71	298	71	247	66	233	67	155	51	137	46	2,895	64
North Head, Wash	191	40	213	49	86	23	100	30	86	30	75	28	1,671	37
North Platte, Nebr	369	80	296	69	308	82	239	70	209	70	196	68	3,096	70
Oklahoma City, Okla	372	84	340	82	272	73	185	53	257	83	197	64	3,167	71
Omaha, Nebr	370	81	221	52	228	61	220	64	216	73	141	49	3,064	68
Oswego, N. Y	334	72	256	60	247	66	156	46	83	31	26	9	2,143	45
Parkersburg, W. Va	337	74	240	57	202	54	177	51	119	39	63	21	2,201	47
Pensacola, Fla	289	67	264	64	175	47	246	69	136	43	178	56	2,654	59

Sunshine, 1930—Continued

Station	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
Peoria, Ill	161	54	174	58	254	69	285	71	305	68	348	77
Philadelphia, Pa	125	42	179	60	253	68	250	63	330	74	325	72
Phoenix, Ariz	188	59	271	88	297	80	324	83	378	88	418	98
Pittsburgh, Pa	92	31	111	37	181	49	177	44	281	63	322	71
Pocatello, Idaho	114	39	129	44	253	68	248	62	264	58	352	77
Port Arthur, Tex	126	39	150	48	154	42	293	76	221	52	372	88
Port Huron, Mich	116	40	128	43	202	54	233	58	300	66	349	76
Portland, Me	119	41	154	52	223	60	275	68	244	53	293	63
Portland, Oreg	111	39	89	31	234	63	185	45	222	48	272	58
Providence, R. I	127	43	187	63	250	68	275	68	294	65	308	68
Pueblo, Colo	239	78	247	82	265	71	298	75	305	69	385	87
Raleigh, N. C	160	51	239	78	249	67	259	66	316	72	299	68
Rapid City, S. Dak	154	53	157	54	239	64	257	64	248	54	366	79
Reading, Pa	102	34	146	49	219	59	192	48	287	64	327	73
Richmond, Va	144	47	215	71	271	73	283	71	345	78	331	75
Rochester, N. Y	77	26	120	41	177	48	197	49	295	65	314	68
Roswell, N. Mex	190	60	274	89	303	82	322	82	346	80	339	79
Royal Center, Ind	123	41	134	45	224	60	220	55	283	63	318	70
Sacramento, Calif	121	40	230	76	290	78	323	81	360	81	418	94
St. Joseph, Mo	179	60	186	62	292	79	248	62	282	63	331	74
St. Louis, Mo	143	47	160	53	275	74	273	69	291	65	322	72
St. Paul, Minn	161	56	122	42	233	63	270	67	251	55	294	63
Salt Lake City, Utah	134	45	166	55	254	68	266	66	308	69	400	88
San Antonio, Tex	107	33	170	54	169	45	189	49	151	36	214	51
San Diego, Calif	176	55	229	74	260	70	282	72	313	73	272	63
Sandy Hook, N. J	115	38	182	61	238	64	227	57	278	62	321	71
San Francisco, Calif	113	37	201	67	272	73	302	76	356	81	362	82
San Jose, Calif	122	40	182	60	258	70	267	68	288	66	381	87
San Juan, P. R	249	72	217	67	293	79	280	74	240	60	209	53
Santa Fe, N. Mex	182	59	249	82	265	71	315	80	319	73	368	84
Sault Ste. Marie, Mich	107	38	136	47	190	51	252	62	300	65	251	53
Savannah, Ga	145	45	212	68	172	46	269	69	306	72	236	55
Scranton, Pa	105	35	143	48	215	58	229	57	256	57	331	73
Seattle, Wash	137	50	124	43	211	57	212	52	258	55	307	64
Sheridan, Wyo	159	56	162	55	219	59	270	67	264	57	361	77
Sioux City, Iowa	214	72	190	64	286	77	225	56	259	57	347	76
Spokane, Wash	132	48	137	48	268	72	332	81	317	67	367	77
Springfield, Ill	148	49	172	57	258	69	288	72	321	72	324	72
Springfield, Mo	127	41	169	56	263	71	288	73	322	73	348	79
Tacoma, Wash	128	46	100	35	196	53	227	56	257	55	278	59
Tampa, Fla	171	52	217	69	158	42	245	64	297	71	218	52
Terre Haute, Ind	134	44	175	58	203	55	262	66	307	69	320	72
Toledo, Ohio	116	39	121	41	205	55	224	56	290	64	315	69
Trenton, N. J	131	43	185	62	257	69	245	61	324	73	339	76
Vicksburg, Miss	135	42	180	58	174	47	287	74	261	61	385	90
Walla Walla, Wash	98	35	82	28	180	49	236	58	264	57	363	77
Washington, D. C	111	37	183	61	268	72	231	58	312	70	338	76
Wausau, Wis	92	32	111	38	206	56	264	65	228	49	251	54
Wichita, Kans	163	53	227	75	271	73	276	70	306	69	344	78
Williston, N. Dak	148	54	168	59	263	71	267	65	305	65	324	68
Wilmington, N. C	166	53	252	82	250	67	324	83	318	74	307	71
Winnemucca, Nev	201	67	204	69	314	85	346	87	326	73	435	96
Wytheville, Va	122	40	197	65	216	58	247	63	268	61	287	65
Yankton, S. Dak	146	50	149	50	229	62	179	44	253	56	351	76
Yuma, Ariz	219	69	292	95	310	83	352	90	404	94	425	99

Sunshine, 1930—Continued

Station	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
Peoria, Ill	398	87	306	72	288	77	218	63	164	55	126	44	3,027	66
Philadelphia, Pa	282	62	270	64	264	71	279	81	165	55	151	52	2,873	64
Phoenix, Ariz	293	67	319	77	310	83	329	93	231	74	277	89	3,634	82
Pittsburgh, Pa	329	72	207	49	240	64	211	61	136	46	65	22	2,351	51
Pocatello, Idaho	335	72	253	59	288	77	173	51	187	64	155	55	2,750	60
Port Arthur, Tex	332	77	325	80	214	58	239	67	147	46	135	43	2,710	60
Port Huron, Mich	376	81	281	65	216	58	138	40	123	42	67	24	2,529	54
Portland, Me	316	68	264	61	257	69	194	57	137	47	120	43	2,596	57
Portland, Oreg	340	71	303	69	183	49	165	49	113	40	80	30	2,296	49
Providence, R. I	308	67	287	67	265	71	205	60	149	51	120	42	2,777	61
Pueblo, Colo	288	64	329	78	293	79	253	73	260	86	236	80	3,398	77
Raleigh, N. C	285	64	285	68	220	59	235	67	122	40	172	57	2,840	63
Rapid City, S. Dak	398	85	269	62	272	72	179	53	170	59	179	64	2,888	64
Reading, Pa	290	64	266	63	214	57	195	57	98	33	110	38	2,447	53
Richmond, Va	376	84	322	76	298	80	258	74	134	44	159	54	3,137	69
Rochester, N. Y	347	75	234	54	219	58	162	47	120	41	46	16	2,307	49
Roswell, N. Mex	347	79	322	78	280	75	189	54	212	67	256	83	3,378	76
Royal Center, Ind	338	74	235	55	227	61	199	58	133	45	106	37	2,542	55
Sacramento, Calif	435	96	410	97	295	79	308	89	231	77	185	63	3,604	79
St. Joseph, Mo	373	82	281	66	248	66	202	58	229	76	153	53	3,004	67
St. Louis, Mo	382	84	250	59	210	56	224	65	202	67	139	47	2,870	63
St. Paul, Minn	357	76	303	70	243	65	147	43	162	57	102	37	2,646	58
Salt Lake City, Utah	377	82	291	68	278	74	236	68	200	67	136	47	3,044	66
San Antonio, Tex	302	71	296	73	239	65	141	40	108	33	198	62	2,282	51
San Diego, Calif	319	73	284	69	255	69	278	79	251	80	264	85	3,182	72
Sandy Hook, N. J	295	65	258	61	233	62	212	61	142	47	102	35	2,603	57
San Francisco, Calif	318	71	304	72	220	59	278	80	207	68	205	69	3,136	70
San Jose, Calif	380	85	343	82	250	67	287	82	192	63	214	71	3,164	70
San Juan, P. R	313	77	336	85	266	72	282	77	253	75	250	73	3,188	72
Santa Fe, N. Mex	275	62	313	75	280	75	271	78	215	70	226	75	3,278	74
Sault Ste. Marie, Mich	366	77	366	84	214	57	132	39	93	33	84	31	2,492	53
Savannah, Ga	283	65	292	71	226	61	247	70	125	40	134	43	2,648	59
Scranton, Pa	356	78	342	80	298	80	240	70	133	45	95	33	2,743	60
Seattle, Wash	320	66	316	71	160	43	118	35	55	20	78	30	2,297	49
Sheridan, Wyo	364	77	266	61	284	76	129	38	175	61	203	74	2,856	63
Sioux City, Iowa	373	81	245	57	269	72	226	66	202	68	132	46	2,969	66
Spokane, Wash	438	91	381	86	217	58	152	45	81	29	36	14	2,859	60
Springfield, Ill	388	85	276	65	250	67	229	66	196	66	140	48	2,990	66
Springfield, Mo	401	90	364	87	289	78	238	68	234	77	186	62	3,228	71
Tacoma, Wash	327	68	306	70	164	44	132	39	45	16	51	19	2,213	47
Tampa, Fla	275	65	272	67	234	63	244	69	190	59	149	46	2,670	60
Terre Haute, Ind	365	81	263	62	224	60	233	67	154	51	121	41	2,762	60
Toledo, Ohio	356	77	285	67	246	66	183	53	139	47	89	31	2,567	55
Trenton, N. J	290	64	276	65	268	72	229	66	162	54	137	47	2,843	63
Vicksburg, Miss	334	77	301	73	210	57	246	70	167	53	138	44	2,818	62
Walla Walla, Wash	414	87	338	77	214	57	165	49	80	28	54	20	2,487	52
Washington, D. C	341	75	295	70	263	71	230	66	122	41	130	44	2,826	62
Wausau, Wis	322	68	275	63	231	62	115	34	132	46	95	35	2,322	50
Wichita, Kans	391	87	349	83	289	77	197	57	232	76	191	65	3,236	72
Williston, N. Dak	391	81	306	69	265	70	174	52	164	59	136	52	2,912	64
Wilmington, N. C	312	71	304	73	253	68	259	74	161	52	159	52	3,066	68
Winnemucca, Nev	406	89	318	75	278	74	259	75	259	87	230	80	3,576	80
Wytheville, Va	267	60	251	60	169	45	193	55	118	39	120	40	2,456	54
Yankton, S. Dak	374	80	205	48	265	71	166	48	208	71	132	47	2,657	60
Yuma, Ariz	383	88	364	88	342	92	347	98	276	88	299	96	4,012	90

EXCESSIVE RAINFALL, 1930

The following table contains statistics of excessive rainfall during the calendar year 1930. Similar data for the years 1896 to 1929, 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 gages.

The following table shows, for most stations of the Weather Bureau furnished with self-registering gages, the accumulated amounts of precipitation for each 5 minutes during all storms of 1930 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, Kentucky, and Tennessee, but not including the western portion of Texas. San Juan, in Porto Rico, is likewise an excepted station. 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 7 indicates; but a few stations within these States had no such fall during 1930; so for such stations those falls in which 0.50 inch or more fell within 30 minutes have been presented (footnote 6).

In the columns under "Total duration," when the minute during the nighttime is not known reasonably well, "D. N." is entered, followed by "a. m." or "p. m." as appropriate. "T." indicates trace, an amount too small for measurement.

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

Accumulated amounts of precipitation for each five minutes for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any five minutes or 0.80 in one hour during 1930 at all stations furnished with self-registering gages

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.:																				
July 6	3:25 p. m.	[1] 1:25 a. m.	1.56	8:50 p. m.	9:17 p. m.	0.67	0.09	0.23	0.32	0.47	0.56	0.61								
Portland, Me.:																				
Aug. 12	1:33 p. m.	2:05 p. m.	.39	1:36 p. m.	1:49 p. m.	.01	.18	.29	.37											
Sept. 27	6:55 a. m.	8:30 a. m.	.66	7:10 a. m.	7:30 a. m.	.01	.19	.30	.41	.47										
Concord, N. H.[2]																				
Burlington, Vt.:																				
Sept. 16	3:32 p. m.	6:35 p. m.	.56	4:28 p. m.	4:40 p. m.	.03	.08	.42	.45											
Boston, Mass.:																				
June 21	3:50 p. m.	4:25 p. m.	.48	3:51 p. m.	4:06 p. m.	T.	.16	.30	.38											
July 14	11:10 a. m.	4:27 p. m.	1.16	11:38 a. m.	12:03 p. m.	.06	.14	.39	.42	.45	.56									
Oct. 15	2:15 a. m.	[1] 7:30 a. m.	3.37	6:50 a. m.	7:40 a. m.	.93	.06	.14	.23	.34	.38	.43	0.53	0.68	0.79	0.91				
Nantucket, Mass.:																				
July 6	10:30 p. m.	[1] 4:00 a. m.	1.10	10:49 p. m.	11:24 p. m.	.01	.22	.57	.62	.68	.76	.89	.96							
Nov. 17	[3] 9:00 p. m.	[1] 5:45 a. m.	3.62	7:34 p. m.	7:51 p. m.	1.95	.14	.39	.52	.54										
Nov. 18	[4] 9:00 p. m.	5:45 a. m.	3.62	4:05 a. m.	4:31 a. m.	2.55	.19	.27	.32	.42	.83	.85								
Block Island, R. I.:																				
May 25 [5]	7:48 a. m.	11:10 p. m.	1.95	11:15 a. m.	11:48 a. m.	.49	.18	.32	.46	.56	.63	.72	.78							
June 19 [5]	2:20 p. m.	6:00 p. m.	.60	3:50 p. m.	4:03 p. m.	.07	.17	.36	.43											
July 14	11:20 a. m.	3:45 p. m.	1.24	12:20 p. m.	12:59 p. m.	.20	.15	.27	.37	.50	.70	.77	.84	.89						
Aug. 7	10:25 p. m.	11:15 p. m.	.53	10:26 p. m.	10:49 p. m.	0	.18	.34	.41	.45	.51									
Aug. 16	9:15 a. m.	11:20 a. m.	.45	10:12 a. m.	10:19 a. m.	.01	.35	.41												
Nov. 18	D.N. a. m.	D.N. a. m.	.96	1:53 a. m.	2:30 a. m.	.13	.13	.17	.21	.35	.54	.63	.69	.72						

[1] On following date.
[2] No excessive precipitation during 1930.
[3] On preceding date.
[4] On second preceding date.
[5] Record defective.

Accumulated amounts of precipitation for each five minutes for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any five minutes or 0.80 in one hour during 1930 at all stations furnished with self-registering gages—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—continued																				
Providence, R. I.:																				
June 19	2:24 p. m.	4:27 p. m.	0.69	2:55 p. m.	3:16 p. m.	0.08	0.20	0.34	0.41	0.48	0.50									
July 6	7:08 p. m.	D.N. p. m.	1.21	8:24 p. m.	8:58 p. m.	.07	.19	.49	.66	.78	.85	1.03	1.10							
July 14	10:39 a. m.	3:26 p. m.	1.95	11:30 a. m.	12:43 p. m.	.10	.11	.34	.53	.70	.85	.96	1.01	1.09	1.14	1.17	1.24	1.49		
Aug. 10	10:31 a. m.	11:33 a. m.	.88	10:35 a. m.	11:16 a. m.	.01	.22	.27	.28	.29	.30	.36	.65	.84	.86					
Sept. 6	8:10 p. m.	9:00 p. m.	.53	8:33 p. m.	8:47 p. m.	.01	.18	.41	.50											
Hartford, Conn.:																				
June 25	12:35 a. m.	1:10 a. m.	.53	12:43 a. m.	1:00 a. m.	.04	.23	.39	.45	.48										
July 11	5:52 p. m.	6:25 p. m.	.96	5:56 p. m.	6:16 p. m.	.02	.27	.49	.82	.92										
Aug. 29	6:15 p. m.	9:05 p. m.	.64	7:14 p. m.	7:36 p. m.	.03	.16	.34	.45	.50	.54									
New Haven, Conn.:																				
Mar. 25	7:50 a. m.	7:10 p. m.	.79	6:38 p. m.	6:43 p. m.	.51	.28													
July 9	3:55 p. m.	4:55 p. m.	.64	4:03 p. m.	4:16 p. m.	.01	.20	.41	.47											
July 14	9:06 a. m.	12:25 p. m.	.60	9:06 a. m.	9:20 a. m.	0	.14	.26	.36											
Aug. 16	7:20 a. m.	10:25 a. m.	.53	9:29 a. m.	9:39 a. m.	.11	.23	.40												
Nov. 17 [6]	10:10 p. m.	[1] 7:35 a. m.	1.63	11:24 p. m.	11:59 p. m.	.08	.07	.31	.60	.83	.96	1.02	1.08							
MIDDLE ATLANTIC STATES																				
Albany, N. Y.:																				
July 6	12:12 p. m.	1:20 p. m.	.58	12:14 p. m.	12:38 p. m.	.01	.11	.24	.34	.48	.53									
Do	3:37 p. m.	4:20 p. m.	.59	3:37 p. m.	4:05 p. m.	0	.20	.28	.28	.28	.47	.56								
Aug. 29	1:44 p. m.	2:40 p. m.	.82	2:15 p. m.	2:31 p. m.	.01	.24	.59	.80	.81										
Binghamton, N. Y.:																				
June 18	D.N.a. m.	10:20 a. m.	1.32	8:47 a. m.	9:26 a. m.	.57	.05	.13	.25	.28	.31	.35	.55	.61						
Do	11:16 p. m.	[1] D.N.a. m.	.57	11:25 p. m.	11:45 p. m.	.01	.06	.30	.41	.48										
June 26	8:03 p. m.	8:40 p. m.	.43	8:05 p. m.	8:12 p. m.	T.	.36	.42												
July 9–10	2:00 p. m.	D.N.a. m.	.67	11:55 p. m.	12:09 a. m.	.20	.17	.32	.38											
Sept. 1	4:02 p. m.	4:30 p. m.	1.10	4:05 p. m.	4:23 p. m.	T.	.12	.62	.98	1.09										
Sept. 14	4:30 p. m.	5:30 p. m.	1.34	4:42 p. m.	5:01 p. m.	.06	.28	.61	1.06	1.26										
Sept. 26	10:45 p. m.	[1] D.N.a. m.	.74	10:54 p. m.	11:10 p. m.	.01	.17	.34	.44	.47										
New York, N. Y.:																				
June 26	8:30 p. m.	[1] 5:00 a. m.	1.04	8:35 p. m.	8:55 p. m.	.02	.09	.36	.47	.52										
July 3	5:45 p. m.	7:10 p. m.	.94	6:15 p. m.	6:37 p. m.	.18	.09	.19	.41	.70	.75									
July 24	4:00 a. m.	7:10 a. m.	1.72	5:15 a. m.	6:10 a. m.	.03	.06	.24	.31	.53	.88	1.11	1.22	1.34	1.49	1.60	1.66			
Do	3:22 p. m.	4:38 p. m.	.98	3:54 p. m.	4:19 p. m.	.04	.10	.21	.42	.82	.92									
July 29	6:34 p. m.	7:15 p. m.	.39	7:00 p. m.	7:05 p. m.	.05	.33													
Aug. 23	[3] 8:40 p. m.	12:30 p. m.	2.66	10:30 a. m.	11:29 a. m.	1.34	.10	.21	.36	.44	.54	.71	.83	.91	.97	1.03	1.14			
Harrisburg, Pa.:																				
June 10	[3] 6:14 p. m.	7:38 a. m.	.90	6:32 a. m.	6:52 a. m.	.32	.06	.11	.33	.47										
June 17	7:52 a. m.	[1] D.N.a. m.	1.94	12:31 p. m.	12:40 p. m.	.47	.26	.38												
June 26	4:01 p. m.	7:08 p. m.	1.05	5:18 p. m.	5:26 p. m.	.19	.43	.64												
July 24	12:04 p. m.	1:05 p. m.	.48	12:19 p. m.	12:32 p. m.	.05	.21	.31	.36											
Sept. 1	7:12 p. m.	8:05 p. m.	1.27	7:27 p. m.	7:54 p. m.	.02	.26	.66	1.02	1.13	1.22	1.25								
Sept. 16	3:03 p. m.	5:10 p. m.	.54	3:30 p. m.	3:44 p. m.	.02	.18	.36	.47											
Sept. 25	1:22 p. m.	1:50 p. m.	.32	1:38 p. m.	1:46 p. m.	.02	.22	.30												
Philadelphia, Pa.:																				
Mar. 8	[3] 3:05 p. m.	D.N. a. m.	1.49	12:35 a. m.	1:20 a. m.	.67	.05	.16	.24	.39	.47	.51	.55	.59	.67					
June 10	[3] 1:43 p. m.	9:30 a. m.	1.55	2:58 a. m.	3:23 a. m.	.44	.09	.24	.29	.47	.57									
June 26 [6]	6:36 p. m.	D.N. p. m.	2.77	7:15 p. m.	8:30 p. m.	.04	.38	.70	1.02	1.31	1.39	1.41	1.45	1.50	1.60	1.68	2.01	2.70		
July 1	1:19 p. m.	2:30 p. m.	.65	1:19 p. m.	1:47 p. m.	0	(5)	(5)	.27	.52	.58	.64								
July 3 [6]	2:43 p. m.	4:28 p. m.	.89	3:03 p. m.	3:39 p. m.	.04	.19	.30	.44	.48	.49	.58	.74	.81						
July 6 [6]	6:05 a. m.	7:10 a. m.	.68	6:29 a. m.	7:02 a. m.	.05	.06	.12	.15	.20	.30	.57	.62							
Do	7:35 p. m.	8:40 p. m.	.65	7:35 p. m.	7:50 p. m.	0	.26	.52	.58											
Sept. 13–14	11:30 p. m.	D.N. a. m.	.77	11:51 p. m.	12:08 a. m.	.03	.19	.40	.54	.58										
Sept. 25	3:52 p. m.	4:19 p. m.	.41	4:03 p. m.	4:13 p. m.	.03	.20	.38												
Reading, Pa.:																				
May 24	3:12 p. m.	9:40 p. m.	1.61	3:27 p. m.	3:59 p. m.	T.	.07	.23	.35	.44	.58	.69	.73							
June 26	5:35 p. m.	7:35 p. m.	.55	6:18 p. m.	6:27 p. m.	.02	.20	.44												
July 24	1:50 p. m.	2:27 p. m.	.79	1:59 p. m.	2:17 p. m.	.01	.11	.47	.70	.78										
Sept. 16	3:57 p. m.	6:20 p. m.	1.22	4:16 p. m.	5:12 p. m.	.02	.21	.35	.50	.52	.53	.54	.64	.79	.93	1.02	1.10			
Sept. 25	2:25 p. m.	3:10 p. m.	.54	2:38 p. m.	2:50 p. m.	.01	.20	.45	.53											
Oct. 17	2:47 p. m.	4:10 p. m.	.41	2:48 p. m.	2:55 p. m.	.01	.26	.29												
Nov. 17	3:53 p. m.	10:10 p. m.	.87	9:21 p. m.	9:43 p. m.	.34	.10	.23	.37	.49	.53									
Scranton, Pa.:																				
June 18	11:18 p. m.	[1] D.N.a. m.	.66	11:21 p. m.	11:36 p. m.	.01	.35	.59	.64											
June 26	4:29 p. m.	5:53 p. m.	.45	4:45 p. m.	5:00 p. m.	.02	.10	.11	.35											
July 1	6:08 p. m.	7:58 p. m.	.57	6:11 p. m.	6:26 p. m.	.01	.29	.39	.47											
Sept. 14	6:55 p. m.	8:05 p. m.	.52	6:58 p. m.	7:16 p. m.	.01	.07	.20	.39	.45										
Oct. 17	4:20 p. m.	5:22 p. m.	.81	4:27 p. m.	4:45 p. m.	.02	.27	.61	.73	.79										
Atlantic City, N. J.:																				
June 10	[3] 10:50 a. m.	6:50 a. m.	3.01	3:11 a. m.	3:51 a. m.	.49	.16	.38	.61	.74	.86	1.03	1.20	1.28						
July 9	7:51 p. m.	8:45 p. m.	.34	7:58 p. m.	8:08 p. m.	.01	.18	.30												
July 10	12:10 a. m.	2:05 a. m.	.70	12:19 a. m.	12:34 a. m.	.02	.29	.39	.47											
July 11	7:17 p. m.	8:06 p. m.	.95	7:44 p. m.	8:00 p. m.	.01	.23	.60	.90	.93										
July 22	5:47 p. m.	6:20 p. m.	.37	5:49 p. m.	6:03 p. m.	.01	.22	.31	.36											
Sandy Hook, N. J.:																				
July 1	2:35 p. m.	5:25 p. m.	.45	2:51 p. m.	3:04 p. m.	.01	.20	.31	.35											
July 22	4:46 p. m.	6:15 p. m.	1.32	4:57 p. m.	5:18 p. m.	.02	.62	.97	1.15	1.21	1.23									
Sept. 14	D. N. a. m.	D. N. a. m.	2.24	2:12 a. m.	3:16 a. m.	.19	.08	.16	.32	.47	.64	.73	.80	.86	1.12	1.38	1.80	2.03		

[1] On following date. [3] On preceding date. [6] Record defective.

Accumulated amounts of precipitation for each five minutes for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any five minutes or 0.80 in one hour during 1930 at all stations furnished with self-registering gages—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.																					
Trenton, N. J.:																					
June 10	[3]10:48 p. m.	7:30 a. m.	2.15	3:30 a. m.	4:38 a. m.	0.22	0.05	0.15	0.28	0.36	0.39	0.43	0.48	0.51	0.59	0.77	1.11	1.35			
June 18-19	11:44 p. m.	D. N. a. m.	.51	11:57 p. m.	12:07 a. m.	.03	.26	.45													
July 3	5:12 p. m.	6:12 p. m.	1.05	5:31 p. m.	5:49 p. m.	.02	.18	.51	.81	.90											
July 9	5:12 p. m.	7:40 p. m.	.84	5:15 p. m.	5:26 p. m.	.01	.20	.58	.65												
July 22	4:15 p. m.	5:09 p. m.	.40	4:24 p. m.	4:28 p. m.	.01	.33														
Sept. 2	5:37 p. m.	6:15 p. m.	.57	5:41 p. m.	5:57 p. m.	.01	.23	.41	.52	.55											
Sept. 16	6:21 p. m.	7:20 p. m.	.53	6:24 p. m.	6:30 p. m.	.01	.31	.38													
Baltimore, Md.:																					
May 24	1:26 p. m.	7:22 p. m.	2.23	1:52 p. m.	2:17 p. m.	.01	.18	.40	.89	1.30	1.43										
June 26	6:52 p. m.	7:38 p. m.	.60	6:52 p. m.	7:12 p. m.	0	.20	.26	.32	.59											
Washington, D. C.:																					
June 24	7:00 p. m.	8:00 p. m.	.56	7:08 p. m.	7:18 p. m.	.02	.22	.47													
July 1	2:05 p. m.	5:05 p. m.	.86	2:08 p. m.	2:44 p. m.	.01	.18	.22	.25	.35	.49	.61	.70	.71							
July 22	3:10 p. m.	3:55 p. m.	.48	3:13 p. m.	3:30 p. m.	.01	.09	.26	.36	.40											
Sept. 13	4:25 p. m.	5:55 p. m.	.52	4:49 p. m.	5:02 p. m.	.02	.08	.32	.43												
Cape Henry, Va.:																					
May 24	4:25 p. m.	8:10 p. m.	1.14	6:03 p. m.	6:28 p. m.	.10	.17	.47	.69	.83	.89										
June 7	10:10 a. m.	6:30 p. m.	1.36	10:44 a. m.	10:49 a. m.	.23	.30														
June 8	5:35 a. m.	3:00 p. m.	3.54	8:53 a. m.	10:52 a. m.	.79	.07	.13	.20	.30	.41	.56	.72	.90	.97	1.02	1.22	1.54	1.87	2.09	
July 5	4:05 p. m.	5:35 p. m.	.72	4:57 p. m.	5:20 p. m.	.16	.21	.33	.42	.47	.51										
Aug. 17	6:00 p. m.	6:45 p. m.	.64	6:04 p. m.	6:14 p. m.	.01	.31	.59													
Lynchburg, Va.:																					
July 2	9:25 p. m.	11:05 p. m.	.69	10:14 p. m.	10:31 p. m.	.02	.19	.51	.65	.67											
Norfolk, Va.:																					
May 19	D. N. a. m.	7:30 a. m.	.85	5:46 a. m.	6:02 a. m.	.28	.14	.26	.35	.38											
June 8	D. N. a. m.	2:28 p. m.	2.76	7:09 a. m.	8:53 a. m.	.21	.11	.20	.35	.47	.54	.60	.64	.69	.74	.78	.96	1.21	1.68	1.84	
July 1	7:00 p. m.	9:40 p. m.	1.19	7:08 p. m.	7:35 p. m.	.01	.16	.42	.52	.68	.79	.84									
July 5	3:30 p. m.	5:15 p. m.	.65	4:51 p. m.	5:09 p. m.	.05	.07	.31	.53	.60											
Richmond, Va.:																					
Jan. 14	11:10 a. m.	2:15 p. m.	.99	12:38 p. m.	1:10 p. m.	.28	.12	.18	.29	.41	.45	.66	.70								
Apr. 6	7:32 a. m.	7:18 p. m.	1.52	5:15 p. m.	5:45 p. m.	.63	.09	.25	.37	.50	.61	.68									
Apr. 14	6:00 p. m.	8:05 p. m.	.73	6:36 p. m.	6:55 p. m.	.05	.17	.36	.49	.59											
June 17	2:17 p. m.	7:25 p. m.	2.07	3:22 p. m.	4:04 p. m.	.19	.12	.42	.67	.79	1.07	1.31	1.46	1.54	1.58						
June 18	5:10 p. m.	5:50 p. m.	.43	5:15 p. m.	5:24 p. m.	.01	.27	.39													
June 26	7:05 p. m.	9:35 p. m.	.92	8:14 p. m.	8:26 p. m.	.46	.15	.35	.39												
July 1	4:17 p. m.	6:45 p. m.	1.28	4:25 p. m.	5:10 p. m.	.01	.11	.26	.36	.60	.79	.89	1.08	1.17	1.22						
July 6	4:38 p. m.	6:10 p. m.	.63	5:29 p. m.	5:55 p. m.	.02	.14	.25	.27	.39	.54	.57									
July 29	12:05 a. m.	D. N. a. m.	1.37	12:06 a. m.	12:34 a. m.	.01	.24	.56	.91	1.21	1.32	1.34									
Do	7:02 p. m.	7:56 p. m.	.68	7:05 p. m.	7:37 p. m.	.02	.09	.20	.33	.42	.50	.62	.65								
Aug. 27	4:05 p. m.	8:40 p. m.	1.83	4:18 p. m.	4:54 p. m.	.02	.26	.60	.81	1.05	1.28	1.56	1.67	1.71							
Sept. 3	5:30 p. m.	6:25 p. m.	.48	5:42 p. m.	5:53 p. m.	.02	.19	.41	.44												
Do	8:37 p. m.	D. N. p. m.	.65	8:37 p. m.	8:51 p. m.	0	.14	.32	.39												
Wytheville, Va.:																					
May 18	8:14 p. m.	[1]D. N. a. m.	.52	10:57 p. m.	11:06 p. m.	.02	.21	.35													
July 27	4:50 a. m.	9:55 a. m.	1.64	7:23 a. m.	8:13 a. m.	.18	.11	.18	.22	.23	.32	.42	.66	.91	1.17	1.25					
SOUTH ATLANTIC STATES																					
Asheville, N. C.:[6]																					
June 17	11:20 p. m.	[1]D. N. a. m.	.63	11:37 p. m.	11:50 p. m.	.01	.26	.56	.60												
Charlotte, N. C.:[7]																					
June 26	6:15 p. m.	8:45 p. m.	1.98	6:26 p. m.	7:46 p. m.	.01	.15	.41	.57	.73	.80	.80	.80	.81	.96	1.13	1.34	1.72			
Greensboro, N. C.:[7]																					
May 6	3:18 p. m.	5:30 p. m.	1.90	3:18 p. m.	3:49 p. m.	0	(5)	(5)	(5)	1.08	1.48	1.71	1.76								
Hatteras, N. C.:[7 8]																					
Dec. 17	9:05 a. m.	9:18 p. m.	3.34	3:34 p. m.	5:12 p. m.	1.63	.05	.11	.16	.22	.28	.35	.42	.48	.54	.61	.78	1.49	2.28		
Raleigh, N. C.:[7]																					
July 13	2:06 p. m.	4:40 p. m.	1.24	2:11 p. m.	2:31 p. m.	.01	.13	.62	1.01	1.17											
July 23	9:55 p. m.	10:40 p. m.	1.58	9:55 p. m.	10:21 p. m.	0	.13	.39	1.04	1.45	1.56	1.57									
July 31	3:26 p. m.	4:35 p. m.	1.09	3:36 p. m.	4:04 p. m.	.01	.08	.29	.52	.82	1.00	1.08									
Sept. 7	6:49 p. m.	D. N. p. m.	1.48	6:53 p. m.	7:46 p. m.	.01	.10	.18	.40	.65	.80	.85	1.05	1.14	1.22	1.27	1.37				
Wilmington, N. C.:[7]																					
July 14	1:10 a. m.	5:00 a. m.	3.18	2:34 a. m.	3:48 a. m.	.23	.23	.30	.43	.79	1.08	1.50	1.65	1.78	1.89	2.00	2.18	2.60			
Charleston, S. C.:[7]																					
June 16	2:30 a. m.	7:25 a. m.	2.37	3:48 a. m.	4:26 a. m.	.25	.12	.17	.24	.61	.98	1.38	1.79	1.90							
July 11	3:28 p. m.	4:22 p. m.	1.11	3:37 p. m.	4:14 p. m.	.02	.23	.41	.52	.61	.76	.89	1.02	1.08							
July 31	2:43 p. m.	3:47 p. m.	1.25	2:47 p. m.	3:16 p. m.	.02	.19	.57	.85	1.04	1.12	1.17									
Columbia, S. C.:[6]																					
May 8	6:55 p. m.	10:20 p. m.	1.05	7:46 p. m.	8:25 p. m.	.06	.07	.15	.20	.30	.43	.57	.66	.71							
June 6	2:47 p. m.	4:40 p. m.	.85	3:42 p. m.	3:52 p. m.	.05	.36	.69													
July 15	[3]11:00 p. m.	8:10 a. m.	.91	12:10 a. m.	12:41 a. m.	.15	.08	.15	.22	.26	.43	.54	.56								
July 18	[3]6:20 p. m.	9:20 a. m.	1.60	6:27 a. m.	7:07 a. m.	.44	.06	.15	.24	.29	.35	.48	.62	.76							
July 23	10:20 p. m.	11:30 p. m.	.93	10:28 p. m.	11:05 p. m.	.01	.05	.13	.23	.32	.43	.57	.81	.88							
July 30	2:05 p. m.	4:00 p. m.	.87	2:22 p. m.	3:05 p. m.	.05	.05	.14	.23	.36	.48	.58	.67	.74	.78						
Aug. 18	5:20 p. m.	7:35 p. m.	1.18	5:29 p. m.	6:06 p. m.	.01	.34	.58	.66	.72	.78	.83	.91	.96							
Sept. 20	3:34 p. m.	10:10 p. m.	1.56	3:50 p. m.	4:03 p. m.	.01	.40	.60	.70												
Due West, S. C.:[7]																					
July 14	7:38 p. m.	[1]2:25 p. m.	3.22	7:46 p. m.	8:31 p. m.	.01	.07	.10	.32	.59	.86	1.00	1.26	1.47	1.58						
Greenville, S. C.:[7]																					
June 17	8:05 p. m.	D. N. p. m.	1.30	8:17 p. m.	8:37 p. m.	.01	.50	.75	.92	1.06											
Aug. 18	1:45 p. m.	4:15 p. m.	1.80	1:49 p. m.	2:14 p. m.	.01	.28	.71	1.18	1.53	1.71										
Sept. 24	5:24 p. m.	7:00 p. m.	1.34	5:28 p. m.	6:28 p. m.	.03	.08	.17	.43	.60	.74	.78	.88	.96	1.10	1.16	1.28				

[1] On following date.
[3] On preceding date.
[5] Record defective.
[6] Only storms attaining 0.50 inch or more in 30 minutes or less.
[7] Only storms attaining 1 inch or more in 1 hour or less.
[8] Recording apparatus not operating from July 31 to August 19.

Accumulated amounts of precipitation for each five minutes for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any five minutes or 0.80 in one hour during 1930 at all stations furnished with self-registering gages—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.																				
Augusta, Ga.:[7]																				
July 30	4:15 p. m.	5:00 p. m.	1.35	4:18 p. m.	4:37 p. m.	0.01	0.13	0.60	1.17	1.33										
Aug. 16	5:32 p. m.	7:19 p. m.	2.48	6:05 p. m.	7:00 p. m.	.29	.22	.37	.42	.49	0.63	0.82	1.15	1.38	1.76	2.03	2.19			
Savannah, Ga.:[7]																				
July 15	3:08 p. m.	7:35 p. m.	1.78	4:21 p. m.	5:13 p. m.	.40	.14	.15	.22	.53	.77	.91	1.01	1.12	1.13	1.22	1.26			
July 17	10:35 a. m.	1:36 p. m.	1.38	10:58 a. m.	11:31 a. m.	.01	.25	.44	.76	1.01	1.14	1.20	1.24							
Sept. 7	12:26 p. m.	2:45 p. m.	1.70	12:45 p. m.	1:24 p. m.	.04	.33	.61	.84	1.15	1.24	1.33	1.45	1.57						
Sept. 29	2:46 p. m.	11:11 p. m.	2.53	3:49 p. m.	4:52 p. m.	.17	.13	.34	.57	.73	.94	1.10	1.24	1.34	1.37	1.39	1.56	1.64		
Jacksonville, Fla.:[7]																				
Mar. 7	9:55 a. m.	3:45 p. m.	2.46	11:29 a. m.	12:14 p. m.	.08	.27	.78	1.03	1.18	1.33	1.38	1.44	1.58	1.78					
FLORIDA PENINSULA																				
Key West, Fla.:[7]																				
June 2	[4] 7:51 a. m.	3:45 p. m.	4.96	8:13 a. m.	9:01 a. m.	1.83	.08	.13	.24	.35	.64	.77	.88	.92	1.07	1.12				
Do	[4] 7:51 a. m.	3:45 p. m.	4.96	10:06 a. m.	10:57 a. m.	3.24	.31	.49	.57	.66	.68	.71	.81	.83	.87	.94	1.02			
Aug. 22	10:14 p. m.	[1]D. N. a. m.	1.38	10:46 p. m.	11:30 p. m.	.01	.10	.20	.40	.66	.85	1.03	1.19	1.30	1.35					
Oct. 18	D. N. a. m.	6:35 a. m.	2.36	12:27 a. m.	1:36 a. m.	.01	.06	.23	.45	.73	.99	1.12	1.18	1.33	1.43	1.55	1.80	2.16		
Oct. 30	D. N. a. m.	D. N. a. m.	1.38	3:55 a. m.	4:18 a. m.	.26	.19	.48	.70	.97	1.07									
Dec. 1	D. N. a. m.	9:25 a. m.	2.69	4:29 a. m.	5:42 a. m.	.07	.12	.16	.18	.30	.38	.60	.76	.86	1.23	1.60	2.01	2.56		
Miami, Fla.:[7]																				
Apr. 6	D. N. a. m.	2:07 p. m.	1.81	6:39 a. m.	7:02 a. m.	.18	.23	.65	.85	1.08	1.16									
Apr. 28	12:53 p. m.	3:05 p. m.	1.73	1:06 p. m.	1:43 p. m.	.02	.11	.46	.80	1.11	1.45	1.56	1.60	1.65						
May 29	2:35 p. m.	6:30 p. m.	1.60	4:37 p. m.	5:32 p. m.	.02	.09	.33	.60	.77	.93	1.06	1.20	1.30	1.36	1.44	1.57			
May 31	12:41 p. m.	6:20 p. m.	4.56	2:41 p. m.	3:40 p. m.	.23	.12	.27	.68	.92	1.13	1.32	1.41	1.56	1.70	1.84	2.03			
Do	12:41 p. m.	6:20 p. m.	4.56	4:14 p. m.	5:25 p. m.	2.33	.10	.24	.35	.55	.80	.98	1.18	1.32	1.46	1.57	1.84	2.06		
June 1	D. N. a. m.	[1] 5:10 p. m.	11.81	9:22 a. m.	10:26 a. m.	.64	.18	.38	.56	.77	1.12	1.35	1.62	1.97	2.25	2.40	2.74	2.91		
June 12	7:50 p. m.	[1]D. N. a. m.	3.17	9:11 p. m.	10:50 p. m.	.04	.11	.17	.30	.35	.40	.46	.50	.53	.62	.79	1.11	1.86	2.30	
June 19	D. N. a. m.	D. N. a. m.	1.44	2:01 a. m.	2:50 a. m.	.01	.09	.41	.60	.68	.68	.75	.89	1.16	1.32	1.43				
July 8	D. N. a. m.	D. N. a. m.	1.17	2:14 a. m.	2:31 a. m.	.03	.26	.66	1.07	1.14										
Aug. 14	12:46 p. m.	3:35 p. m.	1.73	12:46 p. m.	1:25 p. m.	0	.11	.25	.47	.65	.89	1.17	1.41	1.48						
Aug. 23	11:57 a. m.	12:30 p. m.	1.09	12:02 p. m.	12:16 p. m.	.01	.46	.93	1.06											
Sept. 11	2:58 p. m.	4:20 p. m.	1.50	3:11 p. m.	3:42 p. m.	.04	.18	.24	.39	.55	.82	1.30	1.31							
Tampa, Fla.:[7]																				
Mar. 28	8:35 a. m.	[1]D. N. a. m.	5.62	10:39 a. m.	11:46 a. m.	.38	.35	.46	.51	.62	.68	.71	.78	.82	.86	.91	1.04	1.18		
Do	8:35 a. m.	[1]D. N. a. m.	5.62	12:40 p. m.	2:30 p. m.	1.86	.08	.28	.36	.41	.45	.50	.55	.66	.79	.89	1.28	1.63	2.06	2.45
May 23	3:10 p. m.	5:20 p. m.	2.10	3:15 p. m.	3:43 p. m.	.01	.22	.69	1.39	1.80	1.93	2.00								
June 12	1:30 p. m.	6:30 p. m.	4.66	2:35 p. m.	3:55 p. m.	.06	.10	.28	.70	1.02	1.35	1.65	1.96	2.45	2.72	3.17	3.64	4.41		
June 16	9:50 p. m.	11:30 p. m.	1.42	9:54 p. m.	11:12 p. m.	.02	.12	.24	.49	.62	.63	.63	.63	.69	.81	.92	1.08	1.37		
Aug. 3	7:43 p. m.	10:00 p. m.	1.72	7:43 p. m.	8:44 p. m.	0	.08	.27	.40	.67	.79	.93	1.03	1.16	1.33	1.48	1.64	1.70		
Aug. 12	4:20 p. m.	5:15 p. m.	1.92	4:24 p. m.	4:55 p. m.	.01	.33	.76	1.23	1.50	1.70	1.87	1.89							
EAST GULF STATES																				
Atlanta, Ga.:[6]																				
Jan. 2	3:16 p. m.	9:10 p. m.	.90	3:28 p. m.	3:56 p. m.	.02	.35	.37	.44	.52	.61	.66								
May 17	11:30 a. m.	[1]D. N. a. m.	2.00	12:33 p. m.	12:57 p. m.	.02	.15	.26	.34	.43	.52									
July 15	6:55 a. m.	10:47 a. m.	.65	8:27 a. m.	8:56 a. m.	.06	.12	.18	.23	.38	.49	.54								
Sept. 16	9:30 a. m.	11:15 a. m.	.68	9:33 a. m.	9:58 a. m.	.01	.22	.35	.37	.53	.62									
Macon, Ga.:[7]																				
July 25	4:27 p. m.	7:06 p. m.	2.00	4:57 p. m.	5:49 p. m.	.08	.30	.59	.84	1.01	1.11	1.23	1.38	1.49	1.58	1.68	1.76			
July 26	12:54 p. m.	2:25 p. m.	2.12	1:00 p. m.	1:38 p. m.	.01	.39	.87	1.26	1.57	1.81	1.93	1.99	2.05						
Thomasville, Ga.:[7]																				
Feb. 4	12:28 p. m.	3:50 p. m.	2.22	12:55 p. m.	2:01 p. m.	.05	.10	.26	.34	.46	.57	.72	.83	.98	1.11	1.27	1.63	1.86		
Mar. 7	D. N. a. m.	10:35 a. m.	5.83	5:52 a. m.	6:42 a. m.	.90	.20	.22	.25	.29	.34	.39	.43	.50	.57	.63				
				6:42 a. m.	7:32 a. m.	------	.76	.99	1.06	1.31	1.53	1.81	1.99	2.17	2.40	2.57				
				7:32 a. m.	8:22 a. m.	------	2.62	2.75	2.95	3.19	3.38	3.72	4.08	4.19	4.29	4.33				
				8:22 a. m.	8:57 a. m.	------	4.34	4.37	4.42	4.55	4.57	4.66	4.76							
Apr. 18	9:09 a. m.	3:10 p. m.	1.33	2:27 p. m.	2:54 p. m.	.24	.50	.77	.89	1.00	1.06	1.08								
June 21	6:35 p. m.	7:50 p. m.	1.22	7:07 p. m.	7:31 p. m.	.09	.23	.63	.94	1.01	1.11									
Aug. 16	12:52 p. m.	2:18 p. m.	1.10	12:59 p. m.	1:26 p. m.	.01	.19	.43	.69	.85	1.02	1.07								
Aug. 20	10:51 a. m.	12:54 p. m.	1.24	10:53 a. m.	11:45 a. m.	.01	.18	.29	.30	.33	.47	.63	.76	.89	1.02	1.11	1.18			
Sept. 18	1:50 p. m.	5:38 p. m.	1.57	3:13 p. m.	3:37 p. m.	.08	.17	.53	.89	1.09	1.18									
Sept. 25	3:35 p. m.	5:56 p. m.	1.13	3:42 p. m.	4:18 p. m.	.02	.06	.29	.44	.57	.71	.90	.98	1.03						
Sept. 26	5:50 p. m.	7:36 p. m.	1.20	6:01 p. m.	6:35 p. m.	.01	.21	.31	.36	.57	.83	.97	1.08							
Apalachicola, Fla.:[7]																				
Jan. 22	D. N. a. m.	6:35 a. m.	1.79	3:49 a. m.	5:15 a. m.	.03	.15	.28	.40	.57	.66	.75	.84	.87	.93	.97	1.03	1.39	1.53	
Mar. 7	D. N. a. m.	10:10 a. m.	1.30	8:48 a. m.	9:35 a. m.	.15	.14	.26	.29	.42	.65	.72	.81	.92	1.03	1.11				
July 11	6:44 p. m.	9:20 p. m.	1.31	6:44 p. m.	7:09 p. m.	0	.24	.56	.80	1.07	1.22									
July 17	6:41 a. m.	9:55 a. m.	1.74	6:57 a. m.	7:24 a. m.	.01	.28	.58	.76	.93	1.07	1.11								
Sept. 13	12:05 p. m.	1:35 p. m.	1.64	12:47 p. m.	1:25 p. m.	.10	.10	.39	.63	.86	1.08	1.28	1.48	1.51						
Sept. 28	3:30 p. m.	4:55 p. m.	1.16	3:53 p. m.	4:11 p. m.	.01	.12	.55	.96	1.03										
Nov. 16	2:10 p. m.	[1]D. N. a. m.	3.12	4:43 p. m.	6:06 p. m.	.56	.06	.13	.37	.66	.85	.98	1.05	1.13	1.16	1.23	1.47	1.81	1.95	
Nov. 17	8:25 a. m.	2:40 p. m.	2.73	11:27 a. m.	1:10 p. m.	.16	.08	.24	.47	.57	.57	.58	.61	.62	.65	.82	1.01	1.28	2.11	2.24
Pensacola, Fla.:[7]																				
Sept. 6	3:05 a. m.	12:30 p. m.	3.99	6:48 a. m.	7:54 a. m.	1.15	.09	.13	.22	.39	.82	1.34	1.71	1.96	2.21	2.41	2.63	2.76		
Sept. 8	12:47 p. m.	2:00 p. m.	1.61	12:57 p. m.	1:35 p. m.	.02	.21	.45	.65	.86	1.06	1.28	1.48	1.55						
Sept. 19	1:34 a. m.	4:10 a. m.	2.22	2:50 a. m.	3:43 a. m.	.34	.05	.24	.63	.68	.71	.82	1.27	1.50	1.62	1.78	1.86			
Sept. 20	8:40 a. m.	3:00 p. m.	1.97	9:32 a. m.	10:58 a. m.	.10	.15	.28	.36	.41	.44	.51	.70	.85	.94	.98	1.07	1.52	1.65	
Nov. 17	1:50 a. m.	11:34 a. m.	4.54	2:42 a. m.	3:33 a. m.	.18	.05	.16	.28	.36	.42	.46	.65	1.01	1.42	1.53	1.59			
Nov. 17	1:50 a. m.	11:34 a. m.	4.54	4:05 a. m.	4:55 a. m.	1.87	.13	.28	.35	.41	.51	.59	.60	.63	.64	.66				
				4:55 a. m.	5:45 a. m.	------	.67	.83	.96	.98	1.01	1.02	1.03	1.12	1.21	1.34				
				5:45 a. m.	6:35 a. m.	------	1.51	1.71	1.72	1.80	1.86	1.92	1.93	1.95	2.14	2.15				
				6:35 a. m.	6:46 a. m.	------	2.16	2.33	2.35											
Nov. 30[5]	7:20 a. m.	11:05 a. m.	1.96	9:41 a. m.	10:39 a. m.	.03	.09	.16	.30	.48	.81	1.28	1.45	1.60	1.71	1.81	1.95			

[1] On following date.
[4] On second preceding date.
[5] Record defective.
[6] Only storms attaining 0.50 inch or more in 30 minutes or less.
[7] Only storms attaining 1 inch or more in 1 hour or less.

Accumulated amounts of precipitation for each five minutes for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any five minutes or 0.80 in one hour during 1930 at all stations furnished with self-registering gages—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																				
Anniston, Ala.:[7]																				
Mar. 6	10:30 a. m.	6:20 p. m.	4.30	2:24 p. m.	3:34 p. m.	1.04	0.06	0.26	0.41	0.42	0.44	0.47	0.51	0.60	0.71	0.82	1.12	1.35		
May 13	3:25 p. m.	[1] 12:25 a. m.	2.32	9:34 p. m.	10:43 p. m.	.47	.15	.39	.51	.59	.66	.72	.76	.81	.89	.95	1.17	1.57		
May 17	10:15 a. m.	7:10 p. m.	3.44	4:04 p. m.	4:56 p. m.	1.01	.16	.28	.36	.52	.62	.65	.67	.69	.82	1.06	1.16			
Do	10:15 a. m.	7:10 p. m.	3.44	6:38 p. m.	6:55 p. m.	2.43	.17	.56	.96	1.00										
July 23	8:48 p. m.	11:15 p. m.	1.53	8:53 p. m.	9:36 p. m.	.03	.20	.44	.62	.76	.87	.95	1.10	1.23	1.33					
Birmingham, Ala.:[7]																				
Mar. 6	8:15 a. m.	5:10 p. m.	3.28	2:49 p. m.	4:11 p. m.	1.89	.05	.19	.27	.37	.58	.61	.62	.63	.68	.84	1.06	1.28	1.39	
July 23	6:47 p. m.	10:45 p. m.	1.47	7:06 p. m.	7:52 p. m.	.04	.15	.47	.71	.83	.91	.98	1.02	1.17	1.27	1.31				
Aug. 17	4:04 p. m.	5:20 p. m.	1.26	4:16 p. m.	4:56 p. m.	.04	.08	.20	.34	.45	.58	.76	1.00	1.17						
Nov. 15	5:25 p. m.	[1] D. N. a. m.	3.25	8:37 p. m.	9:01 p. m.	.65	.09	.32	.50	.84	1.03									
Mobile, Ala.:[7]																				
May 13-14	10:15 p. m.	D. N. a. m.	1.67	11:46 p. m.	12:48 a. m.	.19	.06	.14	.24	.45	.67	.77	.97	1.17	1.20	1.29	1.40	1.46		
July 1	11:05 a. m.	3:45 p. m.	1.84	11:19 a. m.	11:51 a. m.	.02	.13	.38	.74	.98	1.18	1.30	1.35							
Aug. 18	1:30 p. m.	4:05 p. m.	2.02	1:38 p. m.	2:49 p. m.	.02	.13	.19	.21	.25	.36	.41	.53	.78	.84	.91	1.36	1.99		
Sept. 11	[3] 11:45 p. m.	3:45 a. m.	1.57	1:31 a. m.	2:10 a. m.	.03	.15	.31	.50	.61	.81	.88	.94	1.03						
Oct. 10	12:46 p. m.	6:35 p. m.	2.26	1:18 p. m.	2:09 p. m.	.09	.24	.63	.82	1.03	1.29	1.54	1.63	1.69	1.78	1.85	1.95			
Nov. 30	4:40 a. m.	1:30 p. m.	2.76	6:33 a. m.	8:13 a. m.	.18	.05	.17	.34	.48	.63	.74	.80	.94	1.03	1.16	1.46	1.93	2.23	
Montgomery, Ala.:[7]																				
July 26 [4]	2:27 p. m.	3:45 p. m.	1.74	2:34 p. m.	3:05 p. m.	.02	.15	.49	.80	1.15	1.48	1.68	1.71							
Aug. 10	2:27 p. m.	8:30 p. m.	2.52	2:31 p. m.	4:18 p. m.	.01	.20	.41	.56	.63	.75	.84	.94	1.02	1.06	1.09	1.12	1.56	2.00	2.23
Meridian, Miss.:[7]																				
Mar. 6	4:40 p. m.	[1] D. N. a. m.	3.88	8:24 p. m.	9:23 p. m.	.30	.11	.33	.60	.83	.95	1.18	1.31	1.73	2.12	2.14	2.53			
May 19	[3] 8:50 p. m.	8:40 a. m.	3.42	1:05 a. m.	2:30 a. m.	.48	.07	.16	.50	.81	1.15	1.38	1.44	1.54	1.71	1.81	1.91	2.38	2.48	
May 29	3:22 p. m.	5:40 p. m.	1.33	3:41 p. m.	4:21 p. m.	.01	.20	.43	.62	.73	.79	.86	1.01	1.12						
Aug. 15	8:14 a. m.	1:42 p. m.	2.24	12:18 p. m.	1:14 p. m.	.65	.12	.22	.32	.46	.55	.75	1.02	1.16	1.29	1.45	1.59			
Oct. 8	[3] 6:50 p. m.	6:00 a. m.	3.24	12:26 a. m.	2:20 a. m.	.24	.09	.19	.27	.40	.53	.64	.76	.90	1.03	1.10	1.35	2.03	2.51	2.83
Vicksburg, Miss.:[7]																				
Aug. 18	D. N. p. m.	[1] D. N. a. m.	2.09	10:57 p. m.	11:34 p. m.	.01	.13	.26	.47	.84	1.32	1.58	1.76	1.85						
New Orleans, La.:[7]																				
Mar. 22	[3] D. N. p. m.	10:15 a. m.	3.04	1:27 a. m.	2:35 a. m.	.30	.20	.32	.46	.50	.63	.73	.86	1.10	1.22	1.35	1.51	1.94		
Apr. 16	9:25 p. m.	[1] 6:45 a. m.	1.81	10:22 p. m.	10:53 p. m.	.14	.11	.43	.71	.86	.98	1.05	1.09							
May 19	10:25 a. m.	6:20 p. m.	2.09	10:29 a. m.	11:13 a. m.	.01	.15	.31	.45	.60	.74	.82	.91	.99	1.05					
May 21	1:57 p. m.	3:35 p. m.	1.46	2:33 p. m.	3:19 p. m.	.02	.15	.35	.57	.69	.90	1.01	1.14	1.29	1.41	1.44				
Aug. 16	11:35 a. m.	1:15 p. m.	1.90	11:38 a. m.	12:08 p. m.	.01	.12	.32	.75	1.20	1.55	1.68								
Aug. 30 [4]	9:10 a. m.	4:30 p. m.	3.66	10:14 a. m.	11:58 a. m.	.07	.15	.25	.33	.59	.90	1.05	1.15	1.32	1.51	1.65	1.98	2.61	3.16	3.25
Nov. 16	2:36 a. m.	5:35 a. m.	2.57	2:45 a. m.	3:14 a. m.	.04	.25	.44	.74	.99	1.13	1.31								
Nov. 30	3:02 a. m.	8:45 a. m.	2.36	4:34 a. m.	5:33 a. m.	.16	.19	.49	.55	.55	.55	.55	.55	.92	1.31	1.54	1.73			
WEST GULF STATES																				
Shreveport, La.:[7]																				
Sept. 15	2:10 a. m.	5:35 a. m.	1.57	2:41 a. m.	3:38 a. m.	.02	.20	.39	.58	.82	.98	1.09	1.16	1.22	1.33	1.38	1.47			
Fort Smith, Ark.:[6]																				
May 10	9:00 a. m.	4:30 p. m.	1.12	10:29 a. m.	10:38 a. m.	.07	.39	.52												
Aug. 31	12:20 a. m.	3:15 a. m.	.81	12:56 a. m.	1:17 a. m.	.03	.12	.36	.53	.61	.65									
Sept. 25	7:45 p. m.	9:40 p. m.	.95	7:51 p. m.	8:36 p. m.	.01	.08	.21	.27	.43	.57	.68	.70	.72	.86					
Little Rock, Ark.:[7]																				
May 2	6:38 p. m.	[1] D. N. a. m.	1.59	9:10 p. m.	9:47 p. m.	.14	.13	.24	.43	.59	.74	.91	.98	1.02						
May 10	12:45 p. m.	5:15 p. m.	2.77	1:00 p. m.	2:03 p. m.	.02	.10	.14	.20	.30	.55	1.03	1.55	1.83	1.98	2.13	2.27	2.39		
Austin, Tex.:[7]																				
May 6	D. N. a. m.	10:45 a. m.	1.94	10:01 a. m.	10:29 a. m.	.23	.11	.38	.88	1.36	1.57	1.69								
May 10	D. N. a. m.	1:20 p. m.	1.55	10:41 a. m.	11:31 a. m.	.02	.26	.47	.54	.69	.82	.96	1.17	1.27	1.32	1.39				
Brownsville, Tex.:[7]																				
Apr. 26	3:03 a. m.	D. N. a. m.	2.15	3:13 a. m.	3:58 a. m.	.03	.21	.51	.84	1.21	1.57	1.73	1.84	1.96	2.02					
May 19	9:50 a. m.	12:50 p. m.	1.55	11:38 a. m.	12:15 p. m.	.06	.19	.53	.73	.93	1.08	1.19	1.39	1.45						
Oct. 6	6:20 p. m.	[1] D. N. a. m.	3.35	6:30 p. m.	8:22 p. m.	.03	.08	.15	.29	.37	.46	.54	.64	.74	.84	.99	1.32	1.50	1.96	2.53
Oct. 28	8:43 p. m.	D. N. p. m.	2.03	8:43 p. m.	9:28 p. m.	0	.06	.10	.40	.95	1.31	1.54	1.68	1.80	1.86					
Corpus Christi, Tex.:[7]																				
Oct. 6	9:20 a. m.	6:15 p. m.	1.98	2:28 p. m.	2:54 p. m.	.36	.15	.50	.80	1.15	1.57	1.59								
Dallas, Tex.:[7]																				
May 3	7:58 p. m.	9:20 p. m.	1.54	8:11 p. m.	8:51 p. m.	.01	.17	.34	.51	.76	.97	1.23	1.34	1.40						
May 12	8:42 p. m.	[1] 4:55 a. m.	3.18	10:29 p. m.	11:34 p. m.	.30	.08	.18	.30	.51	.69	.95	1.20	1.34	1.40	1.46	1.73	1.88		
Fort Worth, Tex.:[7]																				
May 12	7:23 p. m.	[1] 4:14 a. m.	4.00	9:51 p. m.	10:35 p. m.	.21	.05	.14	.28	.65	1.02	1.31	1.52	1.64	1.70					
Aug. 5	8:24 a. m.	11:27 a. m.	1.80	8:34 a. m.	9:33 a. m.	.01	.13	.15	.20	.36	.41	.55	.67	.93	1.14	1.27	1.60			
Galveston, Tex.:[7]																				
Jan. 20	4:03 p. m.	[1] D. N. a. m.	1.53	7:09 p. m.	8:12 p. m.	.04	(5)	(5)	(5)	(5)	.58	.67	.83	.91	.96	1.07	1.17	1.37		
Apr. 29	[2] 6:53 p. m.	6:23 a. m.	1.98	1:31 a. m.	2:04 a. m.	.59	.20	.28	.36	.44	.58	.89	1.00							
Sept. 15	1:43 p. m.	3:12 p. m.	1.83	1:53 p. m.	3:05 p. m.	.03	.14	.36	.58	.71	.94	.98	1.10	1.27	1.28	1.36	1.42	1.80		
Oct. 6	6:01 p. m.	[1] D. N. a. m.	3.66	9:27 p. m.	10:44 p. m.	.63	.07	.12	.20	.26	.32	.42	.58	.75	.83	.99	1.56	2.19		
Groesbeck, Tex.:[7]																				
Apr. 26-27	11:30 p. m.	D. N. a. m.	1.93	11:50 p. m.	12:15 a. m.	.07	.21	.46	.75	1.08	1.27									
May 10	6:00 a. m.	3:15 p. m.	4.48	8:20 a. m.	9:15 a. m.	.36	.38	.50	.66	1.10	1.48	1.79	1.89	2.11	2.25	2.32	2.39			
May 13	4:20 a. m.	7:30 a. m.	1.31	4:33 a. m.	5:03 a. m.	.07	.23	.45	.66	.90	.95	1.02								
Sept. 9	4:40 p. m.	[1] D. N. a. m.	1.31	4:45 p. m.	5:12 p. m.	.01	.15	.43	.77	.93	1.06	1.10								
Nov. 29	[3] 9:45 p. m.	3:45 p. m.	3.13	11:56 a. m.	1:01 p. m.	1.20	.18	.53	1.00	1.21	1.36	1.44	1.47	1.51	1.56	1.58	1.68	1.81		
Houston, Tex.:[7]																				
May 12	D. N. a. m.	10:23 a. m.	2.60	6:00 a. m.	6:40 a. m.	.15	.11	.35	.54	.87	1.11	1.20	1.26	1.33						
Oct. 6	4:38 p. m.	11:15 p. m.	4.40	5:45 p. m.	7:31 p. m.	.21	.18	.35	.46	.52	.62	.80	.98	1.38	1.80	2.02	2.22	3.02	3.63	3.83
Oct. 27	8:03 a. m.	6:30 p. m.	2.21	10:48 a. m.	11:59 a. m.	.40	.11	.13	.20	.27	.47	.75	.80	.82	.96	1.03	1.11	1.34		

[1] On following date.
[2] On preceding date.
[3] Record defective.
[4] Only storms attaining 0.50 inch or more in 30 minutes or less.
[7] Only storms attaining 1 inch or more in 1 hour or less.

Accumulated amounts of precipitation for each five minutes for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any five minutes or 0.80 in one hour during 1930 at all stations furnished with self-registering gages—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—continued																				
Palestine, Tex.:[7]																				
May 6	5:40 p. m.	7:00 p. m.	1.05	6:01 p. m.	6:42 p. m.	0.05	0.11	0.16	0.42	0.56	0.76	0.80	0.87	0.98	1.00					
May 10	7:00 a. m.	5:15 p. m.	3.27	10:11 a. m.	10:48 a. m.	.15	.33	.71	1.01	1.30	1.46	1.57	1.73	1.80						
Aug. 24	3:20 p. m.	D. N. p. m.	1.32	3:33 p. m.	4:37 p. m.	.03	.09	.20	.32	.38	.44	.54	.59	.68	.75	0.82	1.01	1.10		
Port Arthur, Tex.:[7]																				
May 11	D. N. a. m.	6:33 a. m.	3.24	3:19 a. m.	3:44 a. m.	.33	.33	.80	1.21	1.93	2.16									
July 4	5:00 a. m.	7:18 a. m.	1.13	5:08 a. m.	5:36 a. m.	.01	.27	.54	.70	.85	.97	1.03								
Aug. 29	3:05 a. m.	10:38 a. m.	1.69	5:47 a. m.	6:08 a. m.	.08	.20	.50	.81	1.01	1.05									
Dec. 4	5:05 p. m.	11:03 p. m.	1.56	9:28 p. m.	10:36 p. m.	.10	.11	.37	.48	.63	.68	.69	.79	.85	.97	1.15	1.32	1.46		
San Antonio, Tex.:[7]																				
June 12	12:38 p. m.	4:45 p. m.	2.38	3:19 p. m.	4:20 p. m.	.59	.06	.22	.31	.37	.47	.52	.58	.68	.83	1.00	1.65	1.77		
Taylor, Tex.:[7]																				
May 6	6:56 a. m.	11:35 a. m.	1.31	10:35 a. m.	11:02 a. m.	.09	.09	.33	.62	.85	1.19	1.22								
May 10	9:47 a. m.	1:35 p. m.	1.39	10:48 a. m.	11:32 a. m.	.04	.13	.31	.55	.75	.87	.96	1.04	1.16	1.21					
Sept. 9	4:55 p. m.	D. N. p. m.	1.66	5:06 p. m.	5:37 p. m.	.01	.16	.37	.59	.77	1.06	1.40	1.45							
OHIO VALLEY AND TENNESSEE																				
Chattanooga, Tenn.:[7]																				
May 18	3:30 p. m.	[1] 1:55 a. m.	2.29	5:03 p. m.	6:42 p. m.	.03	.40	.58	.67	.86	1.07	1.12	1.16	1.24						
Knoxville, Tenn.:[7]																				
Sept. 25	10:56 a. m.	1:38 p. m.	1.31	12:06 p. m.	12:48 p. m.	.04	.08	.41	.63	.82	.93	1.03	1.10	1.12	1.19					
Memphis, Tenn.:[6]																				
Jan. 7	[2] 7:00 p. m.	[1] D. N. p. m.	8.69	10:50 p. m.	11:27 p. m.	3.87	.08	.13	.32	.43	.50	.65	.74	.78						
Apr. 2	9:55 p. m.	D. N. p. m.	.77	10:09 p. m.	10:45 p. m.	.05	.04	.11	.14	.24	.39	.57	.66	.69						
May 18	D. N. a. m.	5:40 p. m.	2.69	4:49 a. m.	5:32 a. m.	.52	.17	.24	.29	.37	.41	.43	.52	.75	.82					
Nashville, Tenn.:[7]																				
Aug. 14	8:15 p. m.	[1] 12:40 a. m.	2.86	8:30 p. m.	10:00 p. m.	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	2.57	
Sept. 11	4:20 a. m.	1:45 p. m.	1.86	7:38 a. m.	8:36 a. m.	.41	.11	.19	.29	.37	.48	.56	.60	.69	.75	.85	1.02			
Lexington, Ky.:[6]																				
June 5	1:25 p. m.	2:18 p. m.	.88	1:48 p. m.	2:10 p. m.	.01	.12	.28	.40	.73	.87									
Sept. 25	1:25 p. m.	2:45 p. m.	.57	1:51 p. m.	2:03 p. m.	.02	.16	.40	.52											
Louisville, Ky.:																				
Sept. 14	D. N. p. m.	D. N. p. m.	.48	11:11 p. m.	11:33 p. m.	.02	.08	.23	.37	.41	.46									
Evansville, Ind.:																				
Apr. 17	8:25 a. m.	8:56 a. m.	.46	8:42 a. m.	8:50 a. m.	T.	.35	.46												
May 9	2:20 p. m.	3:50 p. m.	.34	2:22 p. m.	2:27 p. m.	.01	.25													
June 24	9:47 a. m.	10:32 a. m.	.46	9:47 a. m.	9:56 a. m.	0	.29	.36												
July 6	9:52 p. m.	11:03 p. m.	.92	10:14 p. m.	10:37 p. m.	.01	.20	.50	.67	.80	.89									
Sept. 7	7:30 a. m.	11:42 a. m.	1.18	7:47 a. m.	8:17 a. m.	.01	.22	.43	.53	.55	.62	.82								
Sept. 13	6:14 a. m.	9:32 a. m.	.44	6:21 a. m.	6:31 a. m.	.01	.23	.32												
Indianapolis, Ind.:																				
Apr. 16	8:47 p. m.	11:40 p. m.	1.34	8:54 p. m.	9:12 p. m.	.01	.23	.44	.54	.57										
Royal Center, Ind.:																				
June 15	3:30 p. m.	6:35 p. m.	.88	3:37 p. m.	3:49 p. m.	.01	.16	.43	.45											
June 30	10:35 p. m.	11:00 p. m.	.37	10:46 p. m.	10:56 p. m.	.02	.20	.35												
July 12	2:15 p. m.	3:21 p. m.	1.21	2:28 p. m.	3:07 p. m.	.05	.08	.22	.41	.62	.76	.79	1.03	1.15						
July 26	6:32 p. m.	[1] 7:50 a. m.	2.73	7:16 p. m.	7:23 p. m.	.27	.21	.33												
July 26–27	6:32 p. m.	7:50 a. m.	2.73	11:51 p. m.	12:20 a. m.	1.14	.19	.25	.33	.49	.61	.66								
Aug. 9[4]	4:30 p. m.	5:50 p. m.	.78	4:31 p. m.	4:37 p. m.	T.	.65	.75												
Sept. 24	9:15 a. m.	1:10 p. m.	.81	12:50 p. m.	12:59 p. m.	.31	.33	.49												
Terre Haute, Ind.:																				
July 6	6:01 a. m.	7:05 a. m.	.49	6:25 a. m.	6:40 a. m.	.01	.13	.22	.45											
Sept. 14	6:03 p. m.	[1] D. N. a. m.	1.42	6:23 p. m.	6:38 p. m.	.01	.40	.74	.85											
Sept. 15	[3] 6:03 p. m.	D. N. a. m.	2.45	12:07 a. m.	12:37 a. m.	1.47	.09	.26	.34	.36	.55	.74								
Cincinnati, Ohio:																				
July 9[4]	12:06 p. m.	12:40 p. m.	.92	12:11 p. m.	12:29 p. m.	.04	.29	.58	.82	.87										
July 26	4:20 p. m.	5:25 p. m.	.75	4:26 p. m.	4:44 p. m.	.01	.23	.45	.63	.69										
Sept. 2	6:44 p. m.	8:30 p. m.	.87	7:20 p. m.	8:00 p. m.	.15	.06	.14	.20	.28	.37	.44	.54	.64						
Sept. 15	6:30 p. m.	9:55 p. m.	1.13	6:42 p. m.	7:00 p. m.	.04	.15	.31	.38	.43										
Sept. 24	8:05 p. m.	9:05 p. m.	.96	8:07 p. m.	8:18 p. m.	.01	.47	.56	.57											
Do	8:05 p. m.	9:05 p. m.	.96	8:54 p. m.	9:00 p. m.	.63	.31	.33												
Columbus, Ohio:																				
Feb. 24	3:30 p. m.	5:50 p. m.	.65	4:33 p. m.	4:50 p. m.	.19	.18	.34	.41	.43										
July 9	8:00 p. m.	8:50 p. m.	.48	8:23 p. m.	8:40 p. m.	.05	.05	.23	.39	.43										
Dayton, Ohio:																				
June 24	12:25 p. m.	1:15 p. m.	.30	12:27 p. m.	12:32 p. m.	.01	.26													
July 26	D. N. p. m.	[1] D. N. a. m.	.62	11:28 p. m.	11:44 p. m.	.01	.16	.33	.40	.41										
Aug. 5	3:37 p. m.	6:14 p. m.	1.46	3:37 p. m.	4:20 p. m.	0	.07	.19	.23	.43	.84	1.20	1.27	1.39	1.42					
Elkins, W. Va.:																				
June 24	4:02 p. m.	7:30 p. m.	1.48	4:02 p. m.	4:57 p. m.	0	.14	.36	.46	.55	.59	.61	.62	.65	.71	.89	1.01			
July 1	9:25 p. m.	[1] D. N. a. m.	.93	11:13 p. m.	11:29 p. m.	.28	.20	.34	.45	.49										
July 22	4:05 p. m.	7:30 p. m.	.92	5:37 p. m.	5:52 p. m.	.33	.25	.44	.52											
Sept. 16	9:45 a. m.	11:45 a. m.	.37	10:39 a. m.	10:47 a. m.	.02	.22	.31												
Parkersburg, W. Va.:[3]																				
Pittsburgh, Pa.:																				
Feb. 24	8:00 p. m.	D. N. p. m.	1.42	9:24 p. m.	10:54 p. m.	.03	.08	.16	.24	.30	.34	.42	.47	.51	.64	.66	.80	1.09	1.39	
Apr. 30	12:20 p. m.	12:50 p. m.	.72	12:22 p. m.	12:39 p. m.	.01	.05	.24	.68	.70										
June 18	6:32 p. m.	7:25 p. m.	.54	6:47 p. m.	6:57 p. m.	.02	.20	.46												

[1] On following date.
[2] No excessive precipition during 1930.
[3] On preceding date.
[4] Record defective.
[6] Only storms attaining 0.50 inch or more in 30 minutes or less.
[7] Only storms attaining 1 inch or more in 1 hour or less.

Accumulated amounts of precipitation for each five minutes for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any five minutes or 0.80 in one hour during 1930 at all stations furnished with self-registering gages—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.
LOWER LAKE REGION																				
Buffalo, N. Y.[2]																				
Canton, N. Y.:																				
June 18	9:06 a. m.	1:15 p. m.	0.80	12:11 p. m.	12:50 p. m.	0.03	0.06	0.14	0.26	0.47	0.57	0.62	0.70	0.75						
June 20	3:22 p. m.	5:05 p. m.	.67	4:32 p. m.	4:43 p. m.	.05	.25	.59	.61											
July 22	1:47 p. m.	3:01 p. m.	1.05	1:51 p. m.	2:38 p. m.	.01	.18	.37	.56	.61	.65	.70	.77	.80	0.91	0.95				
Ithaca, N. Y.:																				
June 16	5:30 p. m.	6:15 p. m.	.48	5:34 p. m.	5:56 p. m.	.01	.19	.31	.36	.42	.46									
June 17	1:32 p. m.	[1]D. N. a. m.	1.77	1:36 p. m.	2:10 p. m.	.01	.12	.23	.48	.61	.78	.91	.99							
June 18	D. N. a. m.	9:20 a. m.	.87	7:17 a. m.	7:37 a. m.	.28	.11	.22	.33	.42										
Do	4:25 p. m.	4:58 p. m.	.28	4:28 p. m.	4:33 p. m.	.01	.25													
July 6	2:20 p. m.	3:30 p. m.	.80	3:01 p. m.	3:11 p. m.	.03	.59	.74												
July 9	6:30 p. m.	8:03 p. m.	.48	6:34 p. m.	6:44 p. m.	.01	.17	.31												
Do	10:48 p. m.	[1]12:45 a. m.	.44	11:01 p. m.	11:08 p. m.	.02	.30	.35												
Oswego, N. Y.:																				
June 18	2:22 p. m.	3:10 p. m.	.61	2:28 p. m.	2:45 p. m.	.01	.18	.43	.55	.58										
Sept. 2	5:42 a. m.	6:30 a. m.	.47	5:42 a. m.	5:54 a. m.	0	.22	.33	.38											
Do	4:47 p. m.	5:52 p. m.	1.00	5:05 p. m.	5:50 p. m.	.04	.05	.15	.42	.70	.75	.77	.78	.83	.96					
Rochester, N. Y.:																				
June 6	9:50 a. m.	11:35 a. m.	.31	10:02 a. m.	10:07 a. m.	.01	.27													
Do	5:50 p. m.	6:25 p. m.	.51	5:53 p. m.	6:06 p. m.	.01	.24	.41	.49											
June 16	5:52 p. m.	11:30 p. m.	.55	8:16 p. m.	8:24 p. m.	.17	.19	.30												
June 18	5:35 p. m	6:15 p. m.	.39	5:45 p. m.	5:55 p. m.	.01	.20	.34												
Syracuse, N. Y.:																				
June 6	12:48 p. m.	1:10 p. m.	.33	12:50 p. m.	1:01 p. m.	.01	.07	.30	.32											
June 17	4:45 a. m.	9:58 a. m.	.85	6:05 a. m.	6:32 a. m.	.20	.13	.17	.23	.39	.46	.49								
Sept. 15	4:25 p. m.	4:49 p. m.	.54	4:37 p. m.	4:47 p. m.	.06	.12	.48												
Do	5:15 p. m.	6:20 p. m.	.40	5:50 p. m.	5:56 p. m.	.04	.34	.35												
Erie, Pa.:																				
Aug. 23	11:15 a. m.	[1]8:25 a. m.	.76	11:53 a. m.	12:09 p. m.	.01	.16	.34	.46	.49										
Cleveland, Ohio[2]																				
Sandusky, Ohio.:																				
June 6	1:03 p. m.	1:45 p. m.	.56	1:20 p. m.	1:34 p. m.	.11	.13	.38	.45											
Sept. 23	9:30 a. m.	3:15 p. m.	1.86	10:03 a. m.	10:45 a. m.	.05	.34	.62	.75	.95	1.20	1.38	1.44	1.55	1.58					
Sept. 24	D. N. a. m.	2:30 p. m.	.66	8:43 a. m.	8:53 a. m.	.04	.18	.34												
Toledo, Ohio:																				
Sept. 1	1:02 p. m.	1:45 p. m.	.65	1:05 p. m.	1:20 p. m.	.01	.23	.54	.62											
Fort Wayne, Ind.:																				
May 23	1:24 p. m.	1:40 p. m.	.37	1:26 p. m.	1:37 p. m.	T.	.17	.34	.37											
Do	2:15 p. m.	3:05 p. m.	.88	2:19 p. m.	2:34 p. m.	.02	.12	.58	.84											
June 15	7:05 p. m.	[1]D.N.a. m.	.80	7:12 p. m.	7:42 p. m.	.01	.08	.16	.27	.31	.35	.59								
June 17	11:45 a. m.	1:15 p. m.	1.24	12:16 p. m.	12:44 p. m.	.03	.26	.50	.72	.85	1.02	1.12								
July 21	9:45 p. m.	11:10 p. m.	.45	9:59 p. m.	10:12 p. m.	.01	.17	.29	.35											
Sept. 7	7:15 a. m.	10:20 a. m.	.95	8:52 a. m.	9:07 a. m.	.40	.09	.29	.43											
Sept. 22	10:35 p. m.	[1]D.N.a. m.	.84	10:44 p. m.	11:03 p. m.	.02	.10	.27	.59	.71										
Detroit, Mich.:																				
Apr. 17	3:45 p. m.	6:10 p. m.	1.12	4:23 p. m.	5:21 p. m.	.03	.25	.32	.34	.45	.47	.49	.50	.59	.81	.87	0.97			
Sept. 13	8:01 p. m.	8:20 p. m.	.50	8:01 p. m.	8:14 p. m.	0	.20	.39	.49											
Sept. 25	[3]11:45 p. m.	6:10 a. m.	.89	3:08 a. m.	3:18 a. m.	.16	.20	.35												
UPPER LAKE REGION																				
Alpena, Mich.:																				
May 7	12:30 a. m.	2:00 a. m.	.63	1:16 a. m.	1:38 a. m.	.03	.17	.23	.27	.49	.59									
May 13	5:32 p. m.	7:26 p. m.	.39	7:01 p. m.	7:08 p. m.	.02	.23	.36												
June 16	10:45 a. m.	11:50 a. m.	.53	11:15 a. m.	11:35 a. m.	.05	.15	.28	.37	.45										
June 23	1:00 p. m.	4:00 p. m.	1.02	2:01 p. m.	2:15 p. m.	.04	.36	.44	.51											
June 26	6:08 a. m.	6:50 a. m.	.37	6:13 a. m.	6:23 a. m.	.02	.15	.35												
Aug. 31	3:00 p. m.	7:29 p. m.	.94	4:26 p. m.	4:46 p. m.	.01	.10	.28	.43	.51										
Sept. 26	12:50 p. m.	1:26 p. m.	.50	1:07 p. m.	1:13 p. m.	.03	.42	.47												
Escanaba, Mich.:																				
July 21	5:51 p. m.	6:45 p. m.	.52	6:02 p. m.	6:25 p. m.	.01	.10	.14	.26	.39	.47									
Grand Haven, Mich.:																				
Sept. 25	9:40 p. m.	D.N.p. m.	.38	10:26 p. m.	10:39 p. m.	.02	.07	.29	.36											
Grand Rapids, Mich.:																				
June 8	3:49 p. m.	5:15 p. m.	.63	3:59 p. m.	4:09 p. m.	T.	.16	.36												
June 26	3:10 a. m.	6:10 a. m.	.62	4:34 a. m.	4:47 a. m.	.11	.14	.35	.41											
Sept. 13	6:01 a. m.	8:20 a. m.	.45	6:01 a. m.	6:21 a. m.	0	.15	.30	.36	.43										
Sept. 26	9:23 a. m.	10:03 a. m.	.34	9:36 a. m.	9:46 a. m.	.01	.20	.32												
Houghton, Mich.:																				
July 12	6:43 a. m.	[1]10:05 a. m.	1.57	7:03 a. m.	7:19 a. m.	.12	.10	.23	.39	.43										
Sept. 13	D. N. a. m.	D. N. a. m.	.73	1:09 a. m.	1:29 a. m.	.04	.08	.32	.38	.44										
Lansing, Mich.[2]																				
Ludington, Mich.:																				
Apr. 30	5:52 p. m.	D. N. p. m.	1.27	10:23 p. m.	10:35 p. m.	.89	.12	.29	.35											
July 24	4:40 p. m.	5:10 p. m.	.29	4:47 p. m.	4:53 p. m.	.01	.23	.27												
Sept. 25	9:28 p. m.	[1]D.N. a. m.	.81	10:14 p. m.	10:43 p. m.	.06	.07	.19	.26	.30	.42	.53								
Sept. 26	D. N. a. m.	D. N. a. m.	.71	3:53 a. m.	4:13 a. m.	.20	.14	.30	.38	.47										
Marquette, Mich.:																				
June 4	3:42 p. m.	7:22 p. m.	1.06	4:05 p. m.	4:28 p. m.	.03	.09	.20	.36	.62	.72									
June 23	4:15 p. m.	6:10 p. m.	1.06	4:37 p. m.	5:08 p. m.	.01	.09	.31	.47	.66	.81	.92	.95							
Sept. 13	[3]10:35 p. m.	3:40 a. m.	2.18	1:43 a. m.	2:15 a. m.	.40	.17	.42	.72	.92	1.10	1.48	1.54							
Port Huron, Mich.:																				
June 26	9:49 a. m.	11:55 a. m.	.66	10:53 a. m.	11:04 a. m.	.05	.33	.47	.51											

[1] On following date.

[2] No excessive precipitation during 1930.

[3] On preceding date.

Accumulated amounts of precipitation for each five minutes for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any five minutes or 0.80 in one hour during 1930 at all stations furnished with self-registering gages—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																				
Sault Ste. Marie, Mich.:																				
July 20	6:45 p. m.	7:25 p. m.	0.42	6:53 p. m.	7:02 p. m.	0.01	0.32	0.36												
July 26 [4]	4:10 a. m.	9:15 a. m.	1.04	4:31 a. m.	4:58 a. m.	.03	.14	.38	0.50	0.55	0.62	0.68								
Chicago University, Ill.:																				
June 5	2:49 p. m.	3:36 p. m.	.35	2:59 p. m.	3:08 p. m.	.01	.12	.32												
Do	5:28 a. m.	10:14 a. m.	1.37	6:04 a. m.	7:12 a. m.	.02	.19	.33	.40	.41	.43	.55	0.58	0.63	0.67	0.72	0.82	0.96		
Green Bay, Wis.:																				
June 29 [5]	8:05 p. m.	10:45 p. m.	.99	8:12 p. m.	8:26 p. m.	.01	.34	.52	.57											
July 26	1:50 a. m.	5:30 a. m.	.90	2:19 a. m.	2:30 a. m.	.01	.17	.42	.45											
Milwaukee, Wis.:																				
May 1	10:41 p. m.	[1] 12:55 a. m.	.56	10:46 p. m.	11:01 p. m.	.01	.10	.25	.36											
Aug. 31	3:37 p. m.	5:20 p. m.	.75	4:06 p. m.	4:31 p. m.	.04	.05	.18	.30	.51	.65									
Sept. 1	6:40 p. m.	[1] 12:35 a. m.	.70	6:57 p. m.	7:11 p. m.	.01	.09	.23	.41											
Sept. 26	1:06 a. m.	3:05 a. m.	.54	1:57 a. m.	2:10 a. m.	.03	.14	.20	.42											
Duluth, Minn.:																				
June 9	2:15 p. m.	3:15 p. m.	.50	2:41 p. m.	2:57 p. m.	.07	.15	.33	.39	.41										
July 10	D. N. a. m.	D. N. a. m.	.54	2:38 a. m.	2:51 a. m.	.02	.14	.36	.45											
Sept. 1	D. N. a. m.	7:05 a. m.	1.70	4:01 a. m.	5:01 a. m.	.44	.07	.14	.17	.25	.28	.38	.47	.58	.85	.92	1.08			
NORTH DAKOTA																				
Moorhead, Minn.:																				
June 20	3.20 p. m.	5:50 p. m.	.97	3:23 p. m.	3:43 p. m.	.01	.23	.44	.70	.82										
June 22	7:01 a. m.	8:25 a. m.	.53	7:10 a. m.	7:22 a. m.	.05	.14	.40	.45											
Bismarck, N. Dak.:																				
July 7	3:44 p. m.	4:49 p. m.	1.24	4:00 p. m.	4:25 p. m	.02	.21	.47	.79	1.06	1.17									
Sept. 11	10:51 p. m.	[1] D.N. a. m.	1.74	11:17 p. m.	11:37 p. m.	.07	.28	.96	1.38	1.48										
Devils Lake, N. Dak.:																				
June 28	5:50 p. m.	6:35 p. m.	.64	5:55 p. m.	6:14 p. m.	.01	.26	.45	.55	.60										
Oct. 11	2:45 p. m.	8:15 p. m.	.80	3:33 p. m.	3:50 p. m.	.07	.17	.28	.36	.42										
Ellendale, N. Dak.:																				
Apr. 30	6:18 a. m.	7:05 p. m.	.73	2:51 p. m.	3:05 p. m.	.18	.14	.30	.36											
July 7	7:18 p. m.	[1] D.N. a. m.	1.41	7:45 p. m.	8:01 p. m.	.03	.16	.37	.52	.54										
Aug. 18	10:14 a. m.	[6] 7:10 a. m.	3.08	10:26 p. m.	11:14 p. m.	1.49	.17	.26	.33	.42	.51	.63	.78	.86	.90	.96				
Aug. 26	10:09 p. m.	[1] D.N. a. m.	1.11	10:50 p. m.	11:22 p. m.	.20	.23	.51	.60	.65	.68	.79	.82							
Aug. 29	7:35 p. m.	8:25 p. m.	.50	7:48 p. m.	8:02 p. m.	.02	.09	.26	.41											
Williston, N. Dak.:																				
Apr. 30	D. N. a. m.	6:30 a. m.	.51	2:58 a. m.	3:06 a. m.	.02	.14	.33												
UPPER MISSISSIPPI VALLEY																				
Minneapolis, Minn.:																				
May 11	D. N. a. m.	8:30 a. m.	.83	5:56 a. m.	6:01 a. m.	.31	.29													
June 4	D. N. a. m.	7:30 a. m.	.90	1:40 a. m.	1:45 a. m.	.12	.43													
June 10	6:25 p. m.	7:40 p. m.	.73	6:40 p. m.	7:10 p. m.	.08	.13	.17	.19	.21	.34	.58								
June 22	5:10 a. m.	8:15 a. m.	2.12	5:12 a. m.	5:32 a. m.	.01	.24	.63	.82	.93										
Do	5:10 a. m.	8:15 a. m.	2.12	6:13 a. m.	6:52 a. m.	.96	.12	.32	.46	.58	.66	.77	.84	.89						
St. Paul, Minn.:																				
May 11	4:25 a. m.	8:30 a. m.	1.29	6:00 a. m.	6:20 a. m.	.43	.18	.35	.50	.61										
July 4	D. N. a. m.	D. N. a. m.	.69	1:27 a. m.	1:45 a. m.	.12	.04	.10	.38	.42										
Sept. 4	7:00 p. m.	8:30 p. m.	.45	7:19 p. m.	7:34 p. m.	.02	.15	.27	.37											
La Crosse, Wis.:																				
May 6	3:27 p. m.	6:11 p. m.	.55	4:22 p. m.	4:27 p. m.	.02	.31													
June 3	9:20 p. m.	[1] 12:15 a. m.	1.63	9:57 p. m.	11:27 p. m.	.05	.15	.20	.24	.31	.40	.51	.65	.74	.79	.90	.97	1.17	1.56	
June 4	1:52 p. m.	2:55 p. m.	.60	2:09 p. m.	2:16 p. m.	.01	.34	.39												
June 22	5:57 a. m.	9:22 a. m.	1.14	7:52 a. m.	8:41 a. m.	.14	.05	.13	.28	.40	.53	.66	.77	.85	.90	.95				
June 29	5:30 p. m.	7:40 p. m.	.70	5:37 p. m.	5:58 p. m.	.01	.18	.32	.42	.59	.61									
July 24	8:30 p. m.	8:55 p. m.	.94	8:35 p. m.	8:53 p. m.	.02	.20	.40	.80	.92										
Madison, Wis.:																				
June 16	4:38 p. m.	5:25 p. m.	.42	4:40 p. m	4:53 p. m.	.01	.07	.26	.37											
June 23	5:20 p. m.	6:31 p. m.	.96	5:20 p. m.	5:55 p. m.	0	.15	.27	.30	.34	.43	.68	.92							
June 30	[3] 11:45 p. m.	D. N. a. m.	.84	12:28 a. m.	12:42 a. m.	.14	.27	.50	.57											
July 10	11:05 a. m.	11:47 a. m.	.60	11:17 a. m.	11:36 a. m.	.02	.12	.33	.50	.57										
July 26	1:18 a. m.	6:50 a. m.	.75	1:24 a. m.	1:39 a. m.	.02	.20	.28	.45											
July 27	[3] 10:20 p. m.	D. N. a. m.	.83	12:53 a. m.	12:59 a. m.	.47	.27	.33												
Aug 16	4:55 p. m.	7:45 p. m.	.79	6:32 p. m.	7:10 p. m.	.04	.10	.14	.22	.39	.44	.52	.65	.70						
Sept. 1	4:45 p. m.	[1] D.N. a. m.	2.17	5:04 p. m.	5:26 p. m.	.01	.32	.73	.95	1.05	1.11									
Sept. 13	1:25 a. m.	2:10 a. m.	.66	1:34 a. m.	1:48 a. m.	.01	.31	.52	.60											
Sept. 26	[3] 11:50 p. m.	2:00 a. m.	1.04	12:51 a. m.	1:04 a. m.	.35	.25	.49	.62											
Wausau, Wis.:																				
June 13	6:30 p. m.	[1] D.N. a. m.	4.97	9:10 p. m.	11:03 p. m.	.33	.29	.46	.56	.57	.60	.65	.76	.98	1.35	1.60	1.94	2.80	3.41	3.75
June 13–14	6:30 p. m.	D.N. a. m.	4.97	11:45 p. m.	12:03 a. m.	4.13	.14	.31	.59	.63										
June 23	D.N. a. m.	D.N. a. m.	.79	3:01 a. m.	3:25 a. m.	.15	.08	.23	.34	.41	.49									
June 29	5:20 p. m.	D.N. p. m.	1.13	5:45 p. m.	6:10 p. m.	.02	.10	.38	.57	.65	.70									
Charles City, Iowa:																				
May 6	1:25 p. m.	3:55 p. m.	1.64	2:17 p. m.	2:47 p. m.	.16	.10	.43	.82	1.10	1.21	1.26								
May 11	1:15 a. m.	4:00 a. m	1.43	1:51 a. m	3:10 a. m.	.15	.06	.13	.22	.29	.33	.36	.39	.52	.57	.60	.65	1.12		
June 4	11:15 a. m.	1:40 p. m.	.49	12:34 p. m.	12:44 p. m.	.07	.21	.32												
Do	6:00 p. m.	7:05 p. m.	.54	6:31 p. m.	6:45 p. m.	.03	.09	.32	.51											

[1] On following date.
[3] On preceding date.
[4] Record defective.
[6] On second following date.

Accumulated amounts of precipitation for each five minutes for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any five minutes or 0.80 in one hour during 1930 at all stations furnished with self-registering gages—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—contd.																				
Charles City, Iowa—Continued:																				
June 12	4:55 p. m.	8:25 p. m.	1.07	6:44 p. m.	6:51 p. m.	0.20	0.27	0.37												
June 21-22	11:05 p. m.	D.N. a. m.	2.71	11:36 p. m.	12:49 a. m.	.01	.11	.17	0.30	0.51	0.81	1.14	1.51	1.97	2.20	2.33	2.48	2.70		
June 22	D.N. a. m.	7:55 a. m.	1.21	7:01 a. m.	7:44 a. m.	.19	.17	.28	.29	.29	.29	.31	.41	.89	1.02					
Sept. 12	8:20 p. m.	[1] 2:20 a. m.	1.04	8:28 p. m.	8:42 p. m.	.01	.12	.27	.38											
Davenport, Iowa:																				
Feb. 24 [4]	1:05 a. m.	7:40 a. m.	1.68	4:53 a. m.	6:19 a. m.	.20	.12	.27	.28	.40	.50	.53	.55	.57	.57	.58	.83	1.16	1.32	
June 14	4:08 p. m.	[1] 4:00 a. m.	4.55	4:10 p. m.	5:09 p. m.	.01	.05	.15	.20	.33	.43	.50	.59	.63	.66	.73	.84			
Do	4:08 p. m.	[1] 4:00 a. m.	4.55	9:23 p. m.	10:18 p. m.	2.33	.19	.28	.38	.62	.80	.92	.95	.96	.97	1.07	1.24			
Aug. 17	12:45 a. m.	4:15 a. m.	1.09	1:08 a. m.	1:48 a. m.	.05	.09	.21	.34	.46	.53	.62	.74	.80						
Des Moines, Iowa:																				
May 10	11:15 a. m.	11:48 a. m.	.45	11:31 a. m.	11:37 a. m.	.08	.32	.36												
Sept. 25	8:44 a. m.	10:10 a. m.	.93	9:33 a. m.	10:04 a. m.	.03	.20	.52	.62	.65	.68	.84	.90							
Dubuque, Iowa:																				
May 1	8:10 p. m.	10:45 p. m.	1.10	8:48 p. m.	9:08 p. m.	.11	.19	.39	.55	.68										
May 6	3:40 p. m.	5:40 p. m.	.68	3:42 p. m.	4:07 p. m.	.01	.22	.41	.50	.57	.63									
Aug. 5	4:10 a. m.	7:25 a. m.	1.53	4:25 a. m.	4:55 a. m.	.06	.08	.25	.48	.69	.86	1.02								
Sept. 1	4:18 p. m.	4:58 p. m.	1.08	4:23 p. m.	4:39 p. m.	.01	.24	.59	1.00	1.05										
Sept. 25	10:10 p. m.	[1] 1:10 a. m.	.54	10:53 p. m.	11:04 p. m.	.08	.15	.30	.33											
Keokuk, Iowa:																				
Apr. 15	3:05 p. m.	6:10 p. m.	.51	3:47 p. m.	3:57 p. m.	.02	.21	.45												
June 25	5:20 p. m.	7:05 p. m.	.93	5:40 p. m.	6:28 p. m.	.03	.08	.12	.24	.42	.44	.64	.74	.76	.84	.90				
June 30	D.N. a. m.	D.N. a. m.	1.19	12:36 a. m.	1:32 a. m.	.01	.06	.16	.24	.38	.51	.61	.65	.77	.82	.86	.95			
Aug. 13	8:35 p. m.	[1] 7:45 a. m.	1.09	9:14 p. m.	9:25 p. m.	.05	.29	.66	.71											
Sept. 25	3:32 p. m.	4:55 p. m.	.87	3:55 p. m.	4:42 p. m.	.02	.13	.33	.52	.52	.52	.52	.58	.67	.82	.85				
Nov. 16	[3] 8:45 p. m.	D.N. a. m.	1.16	12:11 a. m.	12:42 a. m.	.29	.06	.17	.25	.38	.66	.82	.86							
Cairo, Ill.:																				
Sept. 13	6:30 a. m.	7:18 a. m.	.42	6:52 a. m.	7:07 a. m.	.04	.09	.27	.37											
Sept. 15	12:28 a. m.	2:07 a. m.	.67	12:31 a. m.	1:00 a. m.	.01	.14	.32	.38	.46	.54	.59								
Peoria, Ill.:																				
June 30	1:33 a. m.	5:30 a. m.	1.29	2:12 a. m.	2:41 a. m.	.05	.16	.35	.41	.51	.57	.62								
Aug. 17	6:15 a. m.	8:25 a. m.	.66	6:30 a. m.	6:44 a. m.	.01	.10	.32	.60											
Springfield, Ill.:																				
July 6	5:55 p. m.	7:15 p. m.	.68	6:31 p. m.	6:45 p. m.	.09	.07	.23	.44											
Aug. 13	11:05 p. m.	[1] D.N. a. m.	1.03	11:10 p. m.	11:27 p. m.	.02	.45	.77	.89	.93										
Sept. 14	2:45 a. m.	9:15 a. m.	1.22	2:51 a. m.	3:05 a. m.	.02	.19	.36	.43											
Hannibal, Mo.:																				
June 19	6:25 p. m.	[1] D.N. a. m.	5.19	9:09 p. m.	9:59 p. m.	.21	.10	.15	.23	.41	.77	1.07	1.29	1.74	2.02	2.33				
				9:59 p. m.	10:49 p. m.		2.69	2.92	3.03	3.12	3.17	3.21	3.24	3.28	3.39	3.52				
				10:49 p. m.	11:10 p. m.		3.78	4.09	4.35	4.66	4.70									
June 25	7:12 a. m.	8:58 a. m.	1.39	7:32 a. m.	7:57 a. m.	.01	.18	.42	.56	.83	1.27									
Do	6:55 p. m.	D.N. p. m.	.81	7:25 p. m.	7:50 p. m.	.04	.10	.23	.28	.39	.48									
Aug. 29	4:35 p. m.	6:30 p. m.	.61	5:31 p. m.	5:44 p. m.	.12	.08	.26	.48											
Sept. 7	D.N. a. m.	D.N. a. m.	.63	2:07 a. m.	2:22 a. m.	.09	.08	.24	.42											
Sept. 14	11:57 a. m.	6:25 p. m.	.81	2:16 p. m.	2:24 p. m.	.41	.19	.34												
Nov. 15-16	8:20 p. m.	D.N. a. m.	1.02	11:46 p. m.	12:02 a. m.	.48	.06	.32	.52	.53										
St. Louis, Mo.:																				
Sept. 14	1:50 p. m.	[1] D.N. a. m.	1.49	9:14 p. m.	9:44 p. m.	.29	.07	.15	.45	.61	.73	.80								
MISSOURI VALLEY																				
Columbia, Mo.:																				
May 1 [4]	9:00 p. m.	[3] D.N. a. m.	1.21	9:06 p. m.	9:33 p. m.	.02	.06	.11	.19	.38	.51	.55								
Do [4]	9:00 p. m.	[3] D.N. a. m.	1.21	10:43 p. m.	11:04 p. m.	.69	.15	.21	.35	.45	.46									
May 10	2:07 p. m.	3:20 p. m.	.69	2:35 p. m.	3:05 p. m.	.08	.11	.14	.28	.40	.49	.57								
June 5 [4]	7:13 p. m.	7:40 p. m.	.49	7:13 p. m.	7:28 p. m.	0	.08	.37	.49											
Aug. 18	D.N. a. m.	6:28 a. m.	.85	3:30 a. m.	3:43 a. m.	.01	.19	.43	.51											
Kansas City, Mo.:																				
May 1	6:25 a. m.	9:45 a. m.	1.78	7:32 a. m.	8:11 a. m.	.15	.18	.35	.60	.84	.95	1.04	1.13	1.22						
June 23	6:04 p. m.	6:40 p. m.	.50	6:16 p. m.	6:26 p. m.	.03	.17	.45												
July 6	5:00 p. m.	6:55 p. m.	.59	5:34 p. m.	5:58 p. m.	.04	.08	.14	.23	.39	.50									
Sept. 6	11:35 a. m.	12:25 p. m.	.59	11:43 a. m.	12:09 p. m.	.01	.08	.16	.22	.39	.52	.57								
St. Joseph, Mo.:																				
May 1	5:05 a. m.	8:04 a. m.	.46	6:02 a. m.	6:07 a. m.	.04	.31													
May 22	4:12 p. m.	10:29 p. m.	1.10	4:26 p. m.	4:41 p. m.	.01	.15	.37	.44											
June 4	5:54 p. m.	[1] 4:25 a. m.	1.86	7:49 p. m.	8:22 p. m.	.10	.33	.37	.41	.45	.53	.69	.73							
June 14	7:08 p. m.	8:24 p. m.	.66	7:51 p. m.	8:16 p. m.	.01	.10	.21	.42	.56	.63									
June 25	7:28 a. m.	8:20 a. m.	1.06	7:36 a. m.	7:55 a. m.	.02	.21	.65	.95	1.02										
July 6	3:42 p. m.	4:32 p. m.	.54	3:45 p. m.	3:58 p. m.	.01	.27	.37	.47											
Aug. 13	1:28 a. m.	5:00 a. m.	1.03	1:54 a. m.	2:29 a. m.	.06	.14	.17	.24	.47	.58	.69	.75							
Aug. 16	12:03 a. m.	2:30 a. m.	1.12	12:15 a. m.	12:36 a. m.	.03	.17	.46	.65	.74	.77									
Sept. 13	9:21 p. m.	10:37 p. m.	.49	9:56 p. m.	10:12 p. m.	.01	.18	.35	.43	.46										
Sept. 25	4:57 p. m.	5:36 p. m.	.41	5:17 p. m.	5:31 p. m.	.02	.17	.30	.38											
Nov. 19	4:11 p. m.	6:06 p. m.	1.37	4:24 p. m.	5:23 p. m.	.05	.08	.20	.36	.44	.58	.70	.74	.84	.87	.94	1.10			
Springfield, Mo.:																				
Aug. 16	12:01 a. m.	7:34 a. m.	1.38	12:23 a. m.	12:47 a. m.	.02	.23	.31	.53	.69	.77									
Aug. 18	3:12 p. m.	6:32 p. m.	.75	3:19 p. m.	3:30 p. m.	.01	.21	.39	.44											
Sept. 7	11:32 p. m.	[1] 12:08 a. m.	.36	11:40 p. m.	11:52 p. m.	.01	.15	.30	.35											
Sept. 8	5:02 a. m.	10:58 a. m.	.69	5:07 a. m.	5:28 a. m.	.02	.12	.24	.36	.43	.46									
Iola, Kans.:																				
Apr. 29	8:00 p. m.	[1] 6:50 a. m.	2.17	8:32 p. m.	8:48 p. m.	.09	.07	.20	.39	.42										
May 28 [4]	7:45 p. m.	9:40 p. m.	1.55	7:54 p. m.	8:44 p. m.	T.	.23	.31	.45	.72	.83	.93	1.03	1.08	1.13	1.18				
June 15	12:35 a. m.	5:30 a. m.	1.84	3:00 a. m.	3:40 a. m.	.27	.07	.15	.28	.44	.61	.70	.75	.80						
Aug. 11	6:35 a. m.	12:10 p. m.	1.08	8:23 a. m.	8:48 a. m.	.16	.13	.27	.36	.41	.51									
Sept. 8	2:04 a. m.	9:50 a. m.	2.20	2:29 a. m.	2:37 a. m.	.04	.31	.51												
Do	2:04 a. m.	9:50 a. m.	2.20	5:11 a. m.	5:57 a. m.	.64	.16	.36	.52	.70	.78	.86	.93	1.01	1.12	1.15				

[1] On following date. [3] On preceding date. [4] Record defective.

Accumulated amounts of precipitation for each five minutes for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any five minutes or 0.80 in one hour during 1930 at all stations furnished with self-registering gages—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																				
Iola, Kans.—Con.:																				
Sept. 14	5:55 p. m.	6:20 p. m.	0.40	5:58 p. m.	6:05 p. m.	0.01	0.25	0.39												
Sept. 25	5:20 p. m.	5:38 p. m.	.41	5:29 p. m.	5:37 p. m.	.01	.34	.40												
Nov. 19	2:15 p. m.	4:30 p. m.	.72	3:12 p. m.	3:27 p. m.	.27	.11	.29	0.40											
Topeka, Kans.:																				
Apr. 15	[3] 7:19 p. m.	D. N. a. m.	1.99	2:20 a. m.	3:22 a. m.	.54	.15	.33	.48	0.65	0.83	0.91	0.98	1.03	1.05	1.09	1.34	1.45		
Do	8:35 p. m.	11:00 p. m.	.99	9:14 p. m.	9:31 p. m.	.16	.06	.21	.66	.73										
May 6	7:24 a. m.	9:36 a. m.	.43	8:20 a. m.	8:27 a. m.	.05	.30	.37												
May 7	9:50 p. m.	D. N. p. m.	.48	10:57 p. m.	11:12 p. m.	.02	.21	.36	.42											
May 10	10:35 a. m.	12:36 p. m.	.82	10:38 a. m.	10:57 a. m.	.01	.19	.33	.46	.51										
June 5	[3] 8:15 p. m.	D. N. a. m.	2.34	1:50 a. m.	2:19 a. m.	1.63	.11	.26	.34	.35	.50	.58								
June 14–15	10:48 p. m.	D. N. a. m.	1.61	11:26 p. m.	12:57 a. m.	.07	.05	.13	.28	.35	.40	.44	.50	.58	.65	.72	.76	1.20	1.47	
July 6	5:12 p. m.	6:33 p. m.	.76	5:42 p. m.	6:18 p. m.	.04	.05	.14	.26	.36	.42	.52	.65	.68						
Aug. 16	7:28 p. m.	11:42 p. m.	.95	7:32 p. m.	8:04 p. m.	.01	.07	.18	.30	.38	.46	.63	.68							
Sept. 12	4:15 a. m.	5:45 a. m.	.71	4:50 a. m.	5:08 a. m.	.12	.11	.34	.52	.58										
Sept. 14	4:45 a. m.	6:30 p. m.	4.59	5:28 a. m.	6:50 a. m.	.06	.20	.25	.34	.58	1.24	1.65	1.96	2.32	2.47	2.79	3.27	3.56	3.70	
Nov. 19	2:15 p. m.	[1] D. N. a. m.	1.14	2:56 p. m.	3:36 p. m.	.13	.05	.10	.18	.22	.26	.42	.51	.61						
Lincoln, Nebr.:																				
June 14	12:30 a. m.	6:25 a. m.	1.03	1:35 a. m.	1:49 a. m.	.28	.12	.30	.40											
June 25	4:45 a. m.	6:10 a. m.	.84	4:48 a. m.	5:27 a. m.	.02	.10	.22	.38	.49	.56	.60	.68	.74						
Aug. 6	2:27 p. m.	3:31 p. m.	.68	2:29 p. m.	2:41 p. m.	.01	.16	.44	.50											
Aug. 19	8:18 a. m.	9:25 a. m.	.31	8:21 a. m.	8:28 a. m.	.01	.26	.29												
Omaha, Nebr.:																				
Aug. 18	D. N. a. m.	5:56 a. m.	1.12	5:09 a. m.	5:35 a. m.	.34	.12	.29	.49	.67	.75	.77								
Aug. 19	2:18 p. m.	4:45 p. m.	.83	2:39 p. m.	2:56 p. m.	.02	.09	.37	.56	.58										
Aug. 30	12:10 a. m.	1:15 a. m.	.66	12:28 a. m.	12:41 a. m.	.01	.32	.56	.62											
Valentine, Nebr.:																				
Apr. 14	6:05 a. m.	11:28 a. m.	1.03	9:32 a. m.	9:53 a. m.	.27	.14	.32	.37	.42	.43									
July 5	3:37 p. m.	9:55 p. m.	1.60	5:38 p. m.	6:19 p. m.	.03	.06	.46	.78	1.01	1.03	1.16	1.23	1.33	1.36					
Sioux City, Iowa:																				
May 5	7:28 p. m.	9:59 p. m.	.66	9:23 p. m.	9:34 p. m.	.19	.26	.45	.47											
May 10	4:01 p. m.	6:18 p. m.	.53	4:50 p. m.	4:57 p. m.	.15	.25	.37												
June 13	5:34 a. m.	6:54 a. m.	2.85	6:05 a. m.	6:40 a. m.	.03	.10	.62	1.11	1.85	2.28	2.71	2.80							
June 24	10:22 p. m.	[1] 1:25 a. m.	1.03	10:27 p. m.	10:52 p. m.	.02	.17	.38	.57	.74	.83									
Sept. 25	4:40 p. m.	6:03 p. m.	.81	5:22 p. m.	5:37 p. m.	.08	.19	.43	.54											
Oct. 15	2:45 p. m.	5:37 p. m.	1.34	3:16 p. m.	4:23 p. m.	.04	.15	.24	.30	.38	.40	.42	.46	.63	.71	.75	.90	1.14		
Huron, S. Dak.:																				
May 5	5:55 p. m.	7:45 p. m.	1.16	7:06 p. m.	7:34 p. m.	.01	.10	.26	.57	.95	1.06	1.14								
July 19–20	11:25 p. m.	3:00 a. m.	1.10	11:59 p. m.	12:18 a. m.	.01	.47	.67	.80	.87										
Aug. 1	4:50 p. m.	5:35 p. m.	.42	5:11 p. m.	5:18 p. m.	.02	.17	.39												
Aug. 3	6:03 p. m.	6:20 p. m.	.30	6:07 p. m.	6:13 p. m.	.01	.25	.28												
Aug. 18	2:44 p. m.	4:55 p. m.	.85	3:02 p. m.	3:30 p. m.	.02	.07	.13	.24	.36	.46	.51								
Sept. 7	3:05 a. m.	6:15 a. m.	.70	5:01 a. m.	5:18 a. m.	.02	.19	.33	.43	.48										
Oct. 1–2	10:07 p. m.	5:10 a. m.	2.13	11:07 p. m.	12:38 a. m.	.09	.18	.42	.65	.70	.74	.75	.75	.75	.88	1.02	1.06	1.38	1.69	
Pierre, S. Dak.:																				
Aug. 23	7:15 p. m.	8:30 p. m.	.81	7:21 p. m.	7:52 p. m.	.02	.05	.11	.19	.29	.48	.69	.74							
Yankton, S. Dak.:																				
June 24	8:25 p. m.	11:25 p. m.	.70	9:26 p. m.	9:46 p. m.	.08	.11	.26	.41	.49										
Aug. 6	10:35 p. m.	11:30 p. m.	.38	10:52 p. m.	11:05 p. m.	.01	.17	.30	.35											
Aug. 21	7:05 a. m.	9:10 a. m.	.57	7:33 a. m.	7:47 a. m.	.01	.14	.35	.43											
Oct. 15	11:03 a. m.	3:30 p. m.	.87	11:37 a. m.	11:52 a. m.	.02	.19	.34	.45											
NORTHERN SLOPE																				
Havre, Mont. [2]																				
Helena, Mont. [2]																				
Kalispell, Mont. [2]																				
Miles City, Mont.:																				
July 8	5:18 p. m.	5:34 p. m.	.40	5:18 p. m.	5:34 p. m.	0	.10	.27	.37	.40										
Sept. 8	5:22 p. m.	8:12 p. m.	.91	5:22 p. m.	5:43 p. m.	0	.18	.51	.70	.76	.78									
Rapid City, S. Dak.:																				
June 8	7:39 p. m.	[1] 1:45 a. m.	1.06	7:41 p. m.	8:08 p. m.	.01	.30	.45	.56	.63	.71	.75								
July 19	2:38 p. m.	3:40 p. m.	.47	2:49 p. m.	3:06 p. m.	.04	.11	.25	.40	.42										
Oct. 1	8:22 p. m.	[1] 2:21 a. m.	1.59	9:36 p. m.	10:14 p. m.	.30	.18	.33	.52	.59	.69	.74	.79	.84						
Cheyenne, Wyo.:																				
Aug. 18	3:50 p. m.	5:20 p. m.	.91	4:27 p. m.	4:41 p. m.	.03	.27	.58	.86											
Lander, Wyo.:																				
Aug. 12	4:35 p. m.	[1] 11:50 a. m.	1.61	5:22 p. m.	5:54 p. m.	.10	.21	.34	.42	.52	.60	.65	.68							
Sheridan, Wyo. [2]																				
Yellowstone Park, Wyo. [10]																				
North Platte, Nebr.:																				
May 3	3:10 p. m.	7:37 p. m.	.99	4:07 p. m.	4:27 p. m.	.11	.20	.40	.48	.53										
June 13	6:52 p. m.	11:10 p. m.	.94	7:58 p. m.	8:13 p. m.	.06	.09	.25	.39											
Sept. 4	8:57 p. m.	9:18 p. m.	.50	8:59 p. m.	9:11 p. m.	.01	.10	.35	.48											
Oct. 11	7:46 a. m.	12:55 p. m.	.60	8:41 a. m.	8:46 a. m.	.13	.28													
MIDDLE SLOPE																				
Denver, Colo.:																				
Aug. 12	1:28 p. m.	4:45 p. m.	.84	1:42 p. m.	2:01 p. m.	.02	.12	.42	.54	.61										
Pueblo, Colo.:																				
June 4 [4]	3:28 p. m.	4:15 p. m.	1.43	3:34 p. m.	4:00 p. m.	.01	.27	.48	.80	1.05	1.23	1.27								
July 30	3:53 p. m.	5:14 p. m.	1.10	4:12 p. m.	4:36 p. m.	.03	.16	.38	.67	.89	1.02									
Aug. 27	9:46 p. m.	[1] 1:47 a. m.	1.27	10:54 p. m.	11:15 p. m.	.02	.11	.29	.56	.85	.90									
Sept. 5	4:35 p. m.	5:33 p. m.	.55	4:56 p. m.	5:21 p. m.	.02	.07	.23	.35	.41	.50									

[1] On following date.
[2] No excessive precipitation during 1930.
[3] On preceding date.
[4] Record defective.
[10] No excessive precipitation January–April: no record May to December.

Accumulated amounts of precipitation for each five minutes for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any five minutes or 0.80 in one hour during 1930 at all stations furnished with self-registering gages—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—continued																				
Concordia, Kans.:																				
May 3	7:50 p. m.	[1] 1:10 a. m.	1.18	9:42 p. m.	9:56 p. m.	0.41	0.24	0.42	0.47											
May 5	6:28 p. m.	7:50 p. m.	.60	7:04 p. m.	7:26 p. m.	.10	.06	.14	.25	0.43	0.50									
May 10	10:47 a. m.	12:21 p. m.	.45	10:47 a. m.	11:03 a. m.	0	.19	.24	.35	.40										
June 1	3:52 p. m.	4:24 p. m.	.70	4:10 p. m.	4:22 p. m.	.01	.24	.64	.69											
June 4	3:28 p. m.	9:58 p. m.	1.11	4:51 p. m.	5:01 p. m.	.09	.22	.39												
Do	3:28 p. m.	9:58 p. m.	1.11	5:47 p. m.	5:57 p. m.	.62	.15	.30												
June 27	9:49 a. m.	10:48 a. m.	.63	10:00 a. m.	10:14 a. m.	.03	.18	.39	.52											
July 29	3:34 a. m.	4:55 a. m.	.52	4:28 a. m.	4:40 a. m.	.16	.17	.31	.34											
Aug. 16	4:08 p. m.	5:20 p. m.	.91	4:32 p. m.	4:52 p. m.	.02	.12	.21	.47	.81										
Nov. 19	6:15 p. m.	9:15 p. m.	1.12	7:27 p. m.	8:17 p. m.	.35	.06	.10	.11	.13	.21	0.34	0.36	0.39	0.50	0.72				
Dodge City, Kans.:																				
May 3	4:29 p. m.	5:25 p. m.	.53	4:39 p. m.	4:51 p. m.	.01	.15	.42	.48											
May 15	5:10 a. m.	1:00 p. m.	1.21	7:02 a. m.	7:28 a. m.	.10	.23	.34	.56	.87	1.04	1.07								
June 9	3:13 p. m.	3:38 p. m.	.48	3:20 p. m.	3:32 p. m.	.01	.12	.39	.46											
July 23	D. N. a. m.	8:15 a. m.	1.09	5:58 a. m.	6:19 a. m.	.35	.07	.14	.44	.60	.62									
Oct. 4 [3]	9:25 p. m.	[1] 9:20 a. m.	1.93	11:32 p. m.	11:47 p. m.	.80	.11	.27	.35											
Wichita, Kans.:																				
May 10	8:01 a. m.	9:35 a. m.	.66	8:13 a. m.	8:27 a. m.	.01	.27	.35	.41											
Aug. 14	6:35 p. m.	7:30 p. m.	.59	6:39 p. m.	6:53 p. m.	.01	.25	.48	.57											
Sept. 9	4:05 p. m.	[1] D.N.a. m.	3.08	4:47 p. m.	6:13 p. m.	.04	.15	.45	.65	.73	.79	.89	.95	1.07	1.23	1.35	1.54	1.87	1.98	
Broken Arrow, Okla.:																				
Apr. 15	3:50 p. m.	5:50 p. m.	1.34	5:08 p. m.	5:28 p. m.	.37	.24	.43	.61	.95										
Apr. 16	D. N. p. m.	D. N. p. m.	.60	11:00 p. m.	11:15 p. m.	.14	.17	.28	.38											
May 17	6:25 a. m.	9:13 a. m.	2.28	7:14 a. m.	8:30 a. m.	.05	.24	.32	.49	.49	.50	.50	.98	1.27	1.28	1.29	1.74	2.03		
May 22	8:48 p. m.	D. N. p. m.	.90	9:17 p. m.	9:38 p. m.	.09	.25	.43	.60	.70	.72									
June 5	3:50 a. m.	8:00 a. m.	1.96	3:57 a. m.	4:32 a. m.	.01	.17	.29	.38	.51	.57	.71	.76							
Do	3:50 a. m.	8:00 a. m.	1.96	5:03 a. m.	5:35 a. m.	.88	.08	.18	.31	.53	.62	.69	.74							
June 15	6:02 a. m.	9:12 a. m.	1.07	6:25 a. m.	6:59 a. m.	.02	.07	.18	.29	.41	.53	.70	.79							
July 3 [3]	2:48 p. m.	D. N. p. m.	2.25	3:06 p. m.	([5])	.01	.10	.31	.49	.66	1.07	1.37								
Sept. 10	12:54 p. m.	2:40 p. m.	.66	2:16 p. m.	2:36 p. m.	.21	.05	.25	.35	.44										
Sept. 14	8:15 p. m.	[1] 7:50 a. m.	.74	8:57 p. m.	9:11 p. m.	.02	.07	.30	.37											
Sept. 25	4:07 p. m.	5:34 p. m.	1.60	4:18 p. m.	5:07 p. m.	.01	.07	.20	.38	.68	.77	.99	1.32	1.43	1.50	1.56				
Nov. 19	1:15 p. m.	9:03 p. m.	1.20	2:08 p. m.	2:36 p. m.	.05	.08	.31	.54	.71	.81	.89								
Oklahoma City, Okla.:																				
May 3	4:48 p. m.	D. N. p. m.	1.00	6:57 p. m.	7:29 p. m.	.12	.05	.27	.34	.66	.74	.84	.88							
May 6	12:25 p. m.	4:30 p. m.	2.34	12:49 p. m.	1:55 p. m.	.09	.09	.26	.31	.36	.49	.60	.71	.87	.87	.92	1.16	1.42		
Do	12:25 p. m.	4:30 p. m.	2.34	2:34 p. m.	2:45 p. m.	1.53	.29	.46	.47											
May 10	5:35 a. m.	6:43 a. m.	.59	5:58 a. m.	6:13 a. m.	.02	.18	.44	.52											
May 15	7:45 a. m.	12:10 p. m.	1.59	9:17 a. m.	9:40 a. m.	.33	.11	.20	.56	.97	1.04									
May 22	6:16 p. m.	8:40 p. m.	.58	7:42 p. m.	7:57 p. m.	.01	.26	.44	.51											
June 14	8:05 p. m.	[1] 7:00 a. m.	6.50	8:13 p. m.	9:48 p. m.	.01	.12	.16	.19	.52	.80	1.00	1.11	1.23	1.38	1.55	1.88	2.72	3.16	
June 15	[3] 8:05 p. m.	7:00 a. m.	6.50	4:58 a. m.	5:45 a. m.	3.64	.09	.43	.81	1.22	1.58	2.09	2.38	2.64	2.74	2.79				
Aug. 16	D. N. p. m.	[1] 12:05 a. m.	.68	11:06 p. m.	11:33 p. m.	.04	.08	.12	.22	.40	.59	.62								
Aug. 20	12:55 a. m.	7:35 a. m.	1.26	3:10 a. m.	3:37 a. m.	.21	.15	.40	.60	.72	.77	.83								
Oct. 12	10:03 a. m.	D. N. p. m.	2.70	10:52 a. m.	11:15 a. m.	.09	.10	.18	.31	.37	.45									
Nov. 19	8:51 a. m.	11:25 a. m.	.88	11:02 a. m.	11:17 a. m.	.53	.14	.24	.35											
SOUTHERN SLOPE																				
Abilene, Tex.:																				
Apr. 28	6:00 p. m.	9:45 p. m.	1.69	7:36 p. m.	8:03 p. m.	.14	.15	.42	.91	1.19	1.33	1.37								
May 3	D. N. a. m.	8:15 a. m.	.81	4:20 a. m.	4:33 a. m.	.03	.33	.70	.76											
May 12	8:30 p. m.	D. N. p. m.	1.64	9:23 p. m.	10:05 p. m.	.36	.08	.18	.29	.55	.81	.97	1.04	1.15	1.23					
May 17	3:49 p. m.	[1] D. N. a. m.	1.03	4:06 p. m.	4:13 p. m.	.05	.20	.30												
May 22	9:55 p. m.	D. N. p. m.	1.39	10:11 p. m.	10:40 p. m.	.01	.26	.52	.74	.99	1.18	1.28								
June 14	9:00 p. m.	[1] D. N. a. m.	.82	9:07 p. m.	9:33 p. m.	.02	.15	.25	.32	.41	.49	.52								
Sept. 8	3:09 p. m.	7:05 p. m.	1.46	4:02 p. m.	4:24 p. m.	.04	.22	.39	.59	.88	.95									
Sept. 9	6:39 p. m.	8:40 p. m.	1.49	6:43 p. m.	7:11 p. m.	.02	.14	.46	.75	.85	.96	1.05								
Sept. 28	D. N. a. m.	7:30 a. m.	1.46	4:59 a. m.	5:50 a. m.	.49	.08	.16	.22	.30	.35	.46	.53	.57	.59	.72	.78			
Oct. 12	3:38 p. m.	D. N. p. m.	1.21	3:47 p. m.	4:17 p. m.	.01	.18	.25	.39	.54	.63	.68								
Dec. 4	12:15 a. m.	10:50 a. m.	1.84	8:55 a. m.	9:29 a. m.	.80	.13	.20	.27	.45	.58	.70	.85							
Amarillo, Tex.:																				
Apr. 12	8:05 p. m.	D. N. p. m.	.95	8:11 p. m.	8:27 p. m.	.01	.18	.42	.55	.60										
May 1	3:40 p. m.	5:20 p. m.	.86	4:36 p. m.	5:00 p. m.	.12	.10	.32	.46	.60	.70									
June 8	9:40 p. m.	11:20 p. m.	1.04	9:53 p. m.	10:24 p. m.	.01	.05	.13	.27	.45	.70	.94	1.02							
June 15	7:20 a. m.	8:45 a. m.	.99	7:34 a. m.	8:10 a. m.	.02	.05	.15	.23	.27	.48	.69	.83	.87						
July 23	8:05 p. m.	[1] D. N. a. m.	1.44	9:55 p. m.	10:19 p. m.	.22	.05	.31	.43	.54	.59									
Oct. 11 [4]	1:30 p. m.	5:45 p. m.	.84	3:56 p. m.	4:07 p. m.	.41	.21	.37	.41											
Del Rio, Tex.:																				
Mar. 17	11:13 p. m.	11:45 p. m.	1.12	11:16 p. m.	11:36 p. m.	.01	.10	.32	.78	1.10										
Apr. 28	[3] D. N. p. m.	D. N. a. m.	.98	12:27 a. m.	12:46 a. m.	.09	.28	.47	.58	.64										
May 17	6:47 a. m.	7:10 a. m.	.41	6:47 a. m.	6:56 a. m.	0	.20	.39												
June 12	[4] D. N. p. m.	8:40 a. m.	1.61	1:27 a. m.	1:47 a. m.	.85	.12	.30	.47	.54										
Oct. 4	[3] D. N. a. m.	3:20 p. m.	6.46	1:52 a. m.	3:08 a. m.	1.63	.05	.10	.15	.20	.25	.40	.52	.58	.64	.71	.86	1.10		
Do	[3] D. N. a. m.	3:20 p. m.	6.46	6:02 a. m.	7:09 a. m.	4.20	.05	.13	.21	.25	.32	.39	.44	.55	.62	.68	.82	1.05		
Roswell, N. Mex.:																				
Apr. 27	12:35 p. m.	1:35 p. m.	.43	12:59 p. m.	1:08 p. m.	.03	.16	.34												
June 6	3:17 a. m.	4:20 a. m.	1.39	3:29 a. m.	3:52 a. m.	.01	.31	.86	1.17	1.33	1.37									
Aug. 6	4:02 p. m.	6:10 p. m.	1.11	4:10 p. m.	4:26 p. m.	.02	.44	.72	.85	.87										
Oct. 1	12:27 a. m.	1:56 a. m.	.51	1:35 a. m.	1:47 a. m.	.13	.09	.28	.37											
Do	3:22 p. m.	4:12 p. m.	.58	3:29 p. m.	3:42 p. m.	.01	.18	.49	.56											
Oct. 22	10:52 p. m.	11:27 p. m.	.34	10:58 p. m.	11:08 p. m.	.01	.16	.32												

[1] On following date. [3] On preceding date [4] On second preceding date. [5] Record defective.

Accumulated amounts of precipitation for each five minutes for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any five minutes or 0.80 in one hour during 1930 at all stations furnished with self-registering gages—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.
SOUTHERN PLATEAU																				
El Paso, Tex.:																				
July 27	6:50 p. m.	8:55 p. m.	0.80	7:08 p. m.	7:28 p. m.	0.01	0.14	0.46	0.68	0.76										
Aug. 7	10:10 a. m.	12:30 p. m.	.87	10:15 a. m.	10:26 a. m.	.01	.15	.30	.32											
Do	10:10 a. m.	12:30 p. m.	.87	10:56 a. m.	11:15 a. m.	.39	.09	.21	.33	.42										
Santa Fe, N. Mex.:																				
Aug. 5	3:15 p. m.	4:05 p. m.	.44	3:27 p. m.	3:35 p. m.	.01	.29	.39												
Phoenix, Ariz.[2]																				
MIDDLE PLATEAU																				
Reno, Nev.[2]																				
Winnemucca, Nev.[2]																				
Modena, Utah:																				
Aug. 6	2:32 p. m.	3:45 p. m.	.57	2:38 p. m.	2:55 p. m.	.01	.09	.35	.46	.51										
Aug. 10	5:13 p. m.	9:20 p. m.	1.13	6:29 p. m.	6:54 p. m.	.12	.12	.33	.51	.66	0.73									
Salt Lake City, Utah[2]																				
Grand Junction, Colo.[2]																				
NORTHERN PLATEAU																				
Baker, Oreg.:																				
Aug. 15	2:05 p. m.	2:30 p. m.	.46	2:10 p. m.	2:19 p. m.	.01	.24	.44												
Boise, Idaho[2]																				
Lewiston, Idaho[2]																				
Pocatello, Idaho:																				
Aug. 1	2:27 p. m.	3:20 p. m.	.72	2:36 p. m.	2:44 p. m.	.03	.25	.32												
Aug. 9	12:34 p. m.	1:55 p. m.	1.08	12:34 p. m.	1:15 p. m.	0	.05	.20	.26	.37	.69	0.85	0.94	1.01	1.05					
Spokane, Wash.[2]																				
Walla Walla, Wash.[2]																				
NORTH PACIFIC COAST REGION																				
North Head, Wash.[2]																				
Seattle, Wash.:																				
June 1	5:05 p. m.	[1] 9:24 a. m.	.77	5:42 p. m.	5:48 p. m.	.05	.27	.30												
Tacoma, Wash.[2]																				
Tatoosh Island, Wash.[2]																				
Yakima, Wash.[2]																				
Portland, Oreg.[2]																				
Roseburg, Oreg.[2]																				
MIDDLE PACIFIC COAST REGION																				
Eureka, Calif.[2]																				
Red Bluff, Calif.:																				
Feb. 19	1:50 p. m.	D.N. p.m.	.88	7:42 p. m.	8:07 p. m.	.31	.11	.27	.39	.46	.51									
Sacramento, Calif.[2]																				
San Francisco, Calif:																				
Jan. 12	[3] D. N. p.m.	5:50 a. m.	.78	4:34 a. m.	4:51 a. m.	.34	.10	.20	.38	.41										
Apr. 13	5:30 p. m.	[1] D.N. a. m.	.78	9:48 p. m.	9:59 p. m.	.16	.13	.31	.34											
San Jose, Calif.[2]																				
SOUTH PACIFIC COAST REGION																				
Fresno, Calif.[2]																				
Los Angeles, Calif.[2]																				
San Diego, Calif.[2]																				
ALASKA																				
Juneau, Alaska [2]																				
ISLAND POSSESSIONS																				
San Juan, P. R.:[7]																				
Jan. 9 [4]	2:10 p. m.	8:15 p. m.	1.92	2:48 p. m.	3:15 p. m.	.06	.06	.34	.82	1.22	1.60	1.77								
Nov. 19	D. N. a. m.	7:30 a. m.	1.69	5:48 a. m.	7:06 a. m.	.07	.07	.29	.53	.59	.59	.59	.60	.63	.83	0.96	1.15	1.62		
Dec. 6	1:50 p. m.	3:10 p. m.	1.06	2:08 p. m.	2:40 p. m.	.03	.09	.29	.55	.79	.90	.97	1.01							
Honolulu, Hawaii.:																				
Jan. 2	8:10 a. m.	6:15 p. m.	3.90	10:24 a. m.	12:20 p. m.	.64	.14	.18	.21	.52	.65	1.01	1.24	1.31	1.43	1.53	1.90	2.48	2.60	2.94
Sept. 18	3:12 p. m.	4:45 p. m.	1.16	4:02 p. m.	4:27 p. m.	.24	.15	.61	.72	.78	.90									
Sept. 19	8:40 p. m.	[1] 7:25 a. m.	5.15	9:48 p. m.	11:07 p. m.	.23	.26	.52	.84	1.03	1.25	1.37	1.44	1.53	1.57	1.62	1.68	1.93		
Sept. 20	[5] 8:40 p. m.	7:25 a. m.	5.15	12:10 a. m.	12:38 a. m.	2.30	.17	.26	.39	.71	.90	.96								
Do	[5] 8:40 p. m.	7:25 a. m.	5.15	4:17 a. m.	5:23 a. m.	3.69	.07	.13	.18	.25	.32	.38	.48	.59	.70	.79	.96	1.12		
Oct. 1	D. N. a. m.	D. N. a. m.	1.76	3:33 a. m.	4:23 a. m.	.20	.21	.28	.35	.49	.58	.68	.78	.88	1.03	1.13				
Nov. 18	11:52 a. m.	[1] D.N. a. m.	2.64	3:10 p. m.	4:16 p. m.	.46	.11	.19	.32	.35	.44	.51	.60	.83	1.10	1.40	1.74	1.95		

[1] On following date.
[2] No excessive precipitation during 1930.
[3] On preceding date.
[4] Record defective.
[7] Only storms attaining 1 inch or more in 1 hour or less.

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PART III

MONTHLY AND ANNUAL METEOROLOGICAL SUMMARIES FOR TWO HUNDRED AND FIVE STATIONS DURING 1930

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 monthly 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 error, 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. (However, at a very few stations the elevation of 1900, or the original elevation of a station opened since 1900, has been replaced as the "station elevation" by an actual elevation since established.)

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.

In the pressure columns of this part the values presented are those at the station elevations of the barometer cisterns, which are at various heights above the ground level, but usually less than 100 feet. On the other hand, daily weather maps and most other pressure data issued by the bureau indicate sea-level pressures.

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

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

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

The cloudiness recorded in the summaries is derived from personal observations. The proportion of sky covered by clouds is estimated by the observer at 8 a. m., 8 p. m., and noon, 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 5-minute periods.

Until the end of 1927 the average and the maximum velocities both were published according to the uncorrected indications of the 4-cup Robinson anemometers, although for some years it had been known that these indicated velocities exceed the true velocities, notably when there are strong winds. The series of records from the 4-cup anemometers came to an end at the close of 1927. A table is printed below showing the reductions from the 4-cup indications of 1927 and before to the equivalent 3-cup readings of the series beginning January 1, 1928.

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

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 almost all stations where a change has been made in the elevation of the barometer since January 1, 1900, a corresponding correction has been applied to the observed reading, thereby reducing all values to the "station, or adopted, elevation." The actual elevation and the station, or adopted, elevation are identical, except at stations where the barometer has been moved since January 1, 1900; h_t=height of thermometer above ground; h_r=height of rain gage above ground; h_a=height of anemometer above ground.

WIND VELOCITY CONVERSION TABLE

To convert 4-cup anemometer records into 3-cup anemometer equivalents

[In miles an hour]

4-cup record	0	1	2	3	4	5	6	7	8	9
	3-cup equivalents									
0+			2	3	4	5	6	7	8	9
10+	9	10	11	12	13	14	14	15	16	17
20+	18	18	19	20	21	22	23	23	24	25
30+	26	26	27	28	29	30	30	31	32	33
40+	33	34	35	36	36	37	38	39	40	40
50+	41	42	43	44	44	45	46	47	47	48
60+	49	50	51	51	52	53	54	54	55	56
70+	57	57	58	59	60	60	61	62	63	64
80+	64	65	66	67	67	68	69	70	71	71
90+	72	73	74	74	75	76	77	78	78	79

Annual meteorological summary for the year ending December 31, 1930

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	28.349	28.830	27.870	27.0	36.6	35.8	43.8	22.3	33.0	70	−2	22	20	23	81	58	62	0.127	0.120	0.133	0.56	0.26	6.0	5.9	6.1	6.4
February	28.189	28.590	27.720	46.3	65.6	62.8	71.6	43.4	57.5	87	29	35	34	32	65	34	35	.216	.208	.192	.06	.06	4.0	3.1	2.6	3.3
March	28.174	28.730	27.630	43.1	60.6	59.7	67.2	41.3	54.2	83	23	30	28	27	62	33	33	.185	.168	.166	.97	.30	5.2	5.3	5.4	5.2
April	28.133	28.430	27.780	60.0	82.0	79.9	86.6	59.0	72.8	96	48	46	42	36	62	29	26	.327	.294	.248	2.23	2.05	4.6	5.9	5.9	5.5
May	28.119	28.580	27.670	64.6	77.9	77.0	83.9	61.5	72.7	93	48	56	53	51	76	46	46	.472	.435	.415	5.39	1.64	5.8	4.7	5.4	5.5
June	28.125	28.410	27.916	71.1	85.6	86.1	90.1	69.1	79.6	101	60	62	60	57	75	45	41	.566	.537	.485	1.73	.82	5.7	4.8	4.1	4.5
July	28.204	28.410	28.014	74.2	92.0	92.8	97.4	73.0	85.2	104	63	61	58	53	64	33	28	.545	.484	.419	.47	.34	2.9	4.1	2.4	3.1
August	28.185	28.350	27.990	74.3	91.8	90.7	97.8	72.9	85.4	105	64	60	58	55	63	34	32	.527	.489	.449	.59	.23	3.9	4.0	3.7	4.1
September	28.148	28.420	27.846	69.2	85.6	82.9	91.3	67.6	79.4	100	52	58	57	54	70	41	41	.509	.495	.432	4.85	1.64	4.0	3.5	3.2	3.8
October	28.223	28.678	27.910	57.7	68.2	65.2	72.1	55.7	63.9	87	39	53	54	54	85	62	70	.421	.436	.442	6.25	1.98	5.4	5.4	4.7	5.5
November	28.299	28.800	27.750	46.5	59.9	55.2	63.6	43.7	53.6	79	32	38	37	38	75	46	55	.250	.241	.249	1.33	.75	5.7	4.8	4.1	5.0
December	28.335	28.635	27.972	35.2	48.6	44.9	53.0	32.8	42.9	67	16	31	32	34	83	54	65	.176	.185	.197	2.43	1.86	4.5	5.1	4.8	5.0
Year	28.207	28.830	27.630	55.8	71.2	69.4	76.5	53.5	65.0	105	−2	46	44	43	72	43	44	.360	.341	.319	26.86	2.05	4.8	4.7	4.4	4.7

ALBANY, N. Y.

[ϕ=42° 39′ N.; λ=73° 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	30.124	30.800	29.621	23.0	28.1	28.2	33.5	18.7	26.1	57	−6	18	21	21	80	73	74	0.114	0.124	0.127	1.77	0.60	5.5	5.8	5.0	5.8
February	29.977	30.530	29.500	23.1	31.4	30.5	37.6	20.0	28.8	66	−6	18	23	24	79	70	76	.111	.137	.141	1.04	.43	5.5	4.8	5.0	5.1
March	29.679	30.387	28.970	30.6	39.0	36.7	43.9	27.9	35.9	59	13	23	23	26	72	54	65	.128	.133	.146	2.76	.87	3.8	4.8	4.4	4.6
April	29.913	30.464	28.980	40.4	50.4	47.6	54.7	36.2	45.4	76	26	30	32	33	67	50	59	.175	.185	.199	1.53	1.02	5.1	5.0	4.6	4.9
May	29.857	30.251	29.410	56.3	66.6	61.6	70.1	51.0	60.6	92	42	46	46	48	70	51	64	.322	.320	.346	3.02	1.09	4.5	4.3	4.5	4.6
June	29.833	30.239	29.310	67.4	78.0	75.2	82.6	61.8	72.2	96	44	58	61	64	74	57	70	.505	.543	.614	3.21	1.61	3.7	3.6	3.7	3.7
July	29.797	30.100	29.410	68.0	77.4	75.0	82.7	62.9	72.8	101	54	60	62	65	77	62	72	.533	.575	.616	4.33	1.38	5.0	3.6	2.7	3.7
August	29.891	30.253	29.600	64.9	76.3	72.4	80.8	60.9	70.8	95	49	58	58	61	79	54	69	.490	.494	.550	2.20	.88	4.8	4.5	3.8	4.2
September	29.878	30.239	29.510	61.1	72.4	68.6	76.8	57.1	67.0	86	47	54	53	55	78	53	64	.433	.430	.462	1.96	.80	3.0	2.2	3.5	3.2
October	29.970	30.306	29.440	43.8	56.6	53.2	60.7	42.3	51.5	81	27	40	40	42	85	56	68	.253	.267	.286	1.13	.48	4.0	4.2	3.6	4.7
November	30.051	30.680	29.050	37.8	45.4	43.8	49.6	35.4	42.5	65	10	32	32	34	79	60	70	.198	.197	.215	1.90	.81	5.7	6.3	5.7	6.1
December	29.950	30.560	29.320	27.8	32.9	31.1	36.1	24.3	30.2	50	3	21	21	22	74	60	66	.118	.116	.119	.69	.22	6.8	6.2	7.0	6.5
Year	29.910	30.800	28.970	45.4	54.5	52.0	59.1	41.5	50.3	101	−6	38	39	41	76	58	68	.282	.293	.318	25.54	1.61	4.8	4.6	4.5	4.8

ALPENA, MICH.

[ϕ=45° 05′ N.; λ=83° 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	29.447	30.110	28.730	16.0	20.5	18.0	24.5	11.0	17.8	44	−8	12	13	13	85	70	79	0.081	0.084	0.063	1.36	0.68	8.3	7.0	6.0	7.3
February	29.319	29.771	28.730	20.2	25.4	23.8	30.1	14.0	22.0	50	−13	17	19	19	88	75	80	.106	.110	.112	1.42	.34	8.0	7.4	5.6	7.0
March	29.144	29.950	28.401	22.9	30.9	27.6	34.2	19.0	26.6	54	7	18	20	20	82	64	73	.102	.110	.110	1.86	.55	6.2	6.9	5.1	6.2
April	29.368	29.730	28.690	35.3	41.2	37.9	45.3	30.7	38.0	63	20	29	30	29	76	65	70	.161	.173	.162	2.08	.88	5.8	6.9	5.5	6.3
May	29.320	29.760	28.740	51.7	57.2	55.4	64.2	44.0	54.1	90	33	43	42	41	73	59	62	.289	.281	.276	3.67	1.46	5.1	6.0	5.9	5.8
June	29.224	29.510	28.860	62.0	68.0	64.5	73.1	53.9	63.5	89	43	53	52	53	74	62	70	.413	.407	.415	6.05	1.60	5.9	6.4	5.6	5.8
July	29.299	29.623	28.910	64.8	72.4	68.9	76.5	55.5	66.0	90	45	55	56	56	72	59	66	.443	.463	.466	1.16	.49	3.4	4.5	4.4	4.3
August	29.379	29.680	29.060	63.8	75.6	68.8	78.5	56.6	67.6	89	45	56	55	57	76	50	67	.457	.441	.470	1.14	.94	2.7	4.4	4.4	3.9
September	29.284	29.640	28.640	55.4	65.7	59.2	68.7	48.7	58.7	85	36	50	48	49	83	55	71	.378	.351	.368	1.47	.66	5.0	5.7	4.9	5.4
October	29.411	29.850	28.933	40.7	49.4	44.8	51.2	37.4	44.3	71	25	38	40	40	88	71	84	.240	.203	.268	1.11	.46	6.0	6.3	4.7	6.6
November	29.370	29.880	28.660	34.9	40.9	37.7	43.9	30.9	37.4	61	6	31	31	32	84	70	80	.184	.190	.195	.88	.44	7.3	6.3	6.0	7.1
December	29.342	29.940	28.700	23.9	28.8	27.1	31.3	19.4	25.4	44	−4	20	22	22	86	73	81	.114	.119	.119	.86	.18	8.9	7.9	8.0	8.5
Year	29.326	30.110	28.401	41.0	48.0	44.5	51.8	35.1	43.4	90	−13	35	36	36	81	64	74	.247	.244	.254	23.06	1.60	6.0	6.3	5.5	6.2

AMARILLO, TEX.

[ϕ=35° 13′ N.; λ=101° 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	26.309	26.820	25.854	[illegible]	31.0	28.7	36.5	15.2	25.8	65	−8	12	15	15	73	54	57	0.078	0.090	0.091	0.57	0.22	4.5	4.6	3.5	5.1
February	26.233	26.640	25.833	36.8	58.6	56.8	64.0	35.0	49.5	77	27	26	26	24	64	30	29	.137	.141	.126	0	0	2.0	1.9	2.0	2.1
March	26.217	26.760	25.700	33.7	52.1	51.6	57.1	32.3	44.7	73	17	26	24	23	72	39	38	.140	.139	.137	1.27	.96	4.1	3.6	4.1	4.0
April	26.226	26.570	25.830	50.6	71.8	71.6	77.1	49.6	63.4	88	35	37	37	35	63	32	30	.237	.240	.220	2.19	.95	4.8	2.6	4.2	3.6
May	26.209	26.650	25.760	54.2	72.9	71.2	77.0	52.1	64.6	92	43	45	40	40	74	34	39	.316	.264	.267	1.49	.86	4.0	3.3	4.3	3.5
June	26.232	26.570	25.999	64.8	82.5	83.0	87.9	63.4	75.6	104	52	55	53	51	73	40	38	.439	.410	.395	4.47	1.34	3.3	2.0	4.2	3.1
July	26.340	26.560	26.140	68.2	87.3	88.3	92.0	67.2	79.6	99	61	56	53	51	66	33	30	.448	.411	.379	2.42	1.44	2.8	3.1	3.1	2.7
August	26.325	26.530	26.128	67.9	87.1	86.6	92.7	67.0	79.8	100	60	56	54	52	68	34	34	.453	.419	.404	1.61	.71	2.8	2.5	3.7	2.9
September	26.266	26.600	26.053	61.0	82.1	79.8	87.6	59.9	73.8	98	40	47	45	45	63	30	33	.345	.319	.324	.20	.10	4.2	2.9	3.2	3.6
October	26.301	26.670	25.960	49.7	62.1	58.7	66.3	47.2	56.8	88	34	44	44	45	84	57	66	.312	.313	.322	2.57	1.08	4.7	4.6	4.8	4.9
November	26.313	26.850	25.670	38.3	54.5	50.1	60.2	36.3	48.2	76	26	30	32	32	72	45	54	.171	.186	.189	.33	.21	2.8	2.5	2.8	2.7
December	26.349	26.620	25.960	28.2	43.6	39.3	48.2	26.9	37.6	61	17	21	26	24	72	52	56	.111	.138	.131	.46	.32	1.5	3.5	3.1	3.2
Year	26.277	26.850	25.670	47.7	65.5	63.8	70.6	46.0	58.3	104	−8	38	37	36	70	40	42	.266	.256	.249	17.58	1.44	3.4	3.1	3.6	3.4

Annual meteorological summary for the year ending December 31, 1930—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	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 33 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: Thunderstorm	Electricity: Aurora
	Miles		*Mi.*																									
January	8.3	N.	31	S.	0	22	2	5	6	18	2	3	2	2	9	8	14	8	5	7	2	0	1	9	0	27	0	0
February	9.4	S.	27	S.	0	6	5	3	2	23	3	9	2	3	15	9	4	1	1	0	0	0	0	0	0	2	1	0
March	9.7	S.	31	W.	0	17	5	3	3	20	4	6	4	0	11	7	13	5	5	2	2	0	0	0	0	5	2	0
April	10.0	S.	32	S.	0	4	3	2	6	32	3	5	4	1	9	12	9	2	2	0	0	0	0	0	6	0	1	0
May	10.3	S.	51	SW.	2	3	4	5	17	26	2	4	0	1	12	6	13	8	8	0	0	2	0	0	5	0	9	0
June	10.2	S.	26	N.	0	1	2	2	9	44	2	0	0	0	13	10	7	5	5	0	0	0	0	0	17	0	5	0
July	8.4	S.	20	S.	0	5	2	3	9	39	3	1	0	0	20	7	4	3	2	0	0	0	0	0	31	0	3	0
August	7.1	S.	26	SW.	0	0	0	8	12	36	3	1	0	2	13	15	3	9	5	0	0	0	0	0	28	0	9	0
September	8.3	S.	28	W.	0	4	2	4	15	29	0	4	1	1	15	9	6	5	4	0	0	1	0	0	23	0	5	0
October	8.1	S.	28	SW.	0	9	3	7	12	26	3	2	0	0	12	6	13	12	10	0	0	0	0	0	0	0	1	0
November	8.0	S.	35	SW.	1	12	3	2	2	26	4	6	5	0	11	8	11	4	3	0	0	0	0	0	0	1	1	0
December	6.8	S.	27	S.	0	7	1	2	4	17	4	12	14	1	14	4	13	4	2	3	1	0	0	1	0	15	1	0
Year	8.7	S.	51	SW.	3	90	32	46	97	336	33	53	32	11	154	101	110	66	52	12	5	3	1	10	110	50	38	0

ALBANY, N. Y.

[H_b=97 ft.; h_t=107 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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	6.8	S.	23	S.	0	8	1	3	4	26	7	2	11	0	13	5	13	10	8	9	3	0	0	17	0	24	0	0
February	6.4	S.	28	SE.	0	8	6	1	1	22	1	4	13	0	12	6	10	11	7	12	9	0	3	10	0	20	0	0
March	7.1	S.	27	SE.	0	10	3	1	2	19	3	11	13	0	11	13	7	12	7	12	4	0	0	3	0	21	0	0
April	7.4	S.	28	SE.	0	5	2	0	2	24	4	14	9	0	9	14	7	7	5	6	1	0	1	0	0	9	0	0
May	6.4	S.	25	SW.	0	3	3	2	3	20	6	12	12	1	16	4	11	11	8	0	0	0	0	0	1	0	2	0
June	6.3	S.	23	S.	0	2	2	3	1	39	4	7	2	0	15	12	3	10	8	0	0	1	0	0	3	0	4	0
July	5.7	S.	24	NW.	0	7	2	1	1	29	3	5	13	1	16	11	4	10	8	0	0	0	0	0	6	0	5	0
August	5.1	S.	22	SW.	0	11	4	7	1	21	3	5	10	0	13	13	5	10	7	0	0	1	0	0	5	0	5	0
September	4.9	S.	22	SE.	0	8	5	2	2	31	1	5	5	1	19	8	3	9	7	0	0	0	0	0	0	0	5	1
October	5.0	S.	24	NW.	0	18	8	1	0	21	2	3	8	1	14	10	7	8	5	2	0	0	5	0	0	2	1	0
November	6.0	S.	30	SE.	0	8	1	2	3	35	2	4	5	0	8	11	11	9	8	7	1	0	1	3	0	13	0	0
December	5.9	S.	21	S.	0	11	2	0	3	25	4	8	9	0	8	7	16	12	6	12	9	0	0	6	0	24	0	0
Year	6.1	S.	30	SE.	0	99	39	23	23	312	40	80	110	4	154	114	97	119	84	60	27	2	10	39	15	113	22	1

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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	10.4	SW.	30	SE.	0	3	3	1	3	8	19	10	15	0	3	10	18	13	6	18	12	0	1	23	0	29	0	0
February	9.8	W.	36	NE.	1	1	7	3	6	8	7	13	11	0	3	12	13	13	10	16	10	0	3	17	0	25	0	1
March	11.7	NW.	34	NW.	2	3	4	4	2	8	6	11	24	0	5	12	14	15	12	19	14	0	0	12	0	31	2	3
April	11.0	NW.	42	NW.	3	6	7	3	14	1	4	9	16	0	6	12	12	11	7	6	5	0	2	1	0	19	2	0
May	10.3	NW.	44	NW.	2	3	4	6	9	3	7	9	21	0	9	11	11	17	11	0	0	2	2	0	1	0	9	5
June	9.4	NW.	33	SE.	1	4	2	4	9	8	8	9	16	0	9	8	13	13	11	0	0	1	3	0	0	0	8	3
July	9.0	NW.	40	SE.	1	5	0	3	7	6	9	8	24	0	15	11	5	9	5	0	0	0	2	0	1	0	5	2
August	8.4	NW.	35	NW.	1	6	6	2	8	7	5	8	20	0	15	12	4	8	3	0	0	0	0	0	0	0	4	0
September	9.1	NW.	30	S.	0	2	3	4	9	5	15	6	14	2	7	15	8	10	5	0	0	0	6	0	0	0	4	3
October	7.8	SE.	28	NW.	0	2	0	6	11	10	8	14	11	0	7	8	16	15	7	5	5	0	11	0	0	12	3	0
November	10.7	SW.	33	SE.	1	1	0	3	11	11	11	11	11	1	5	5	20	12	4	10	8	0	9	6	0	13	1	0
December	9.2	SW.	29	NW.	0	2	1	4	2	6	20	12	15	0	3	3	25	14	12	19	13	0	1	14	0	27	0	0
Year	9.7	NW.	44	NW.	12	38	37	43	91	81	119	120	198	3	87	119	159	150	93	93	67	3	40	73	2	156	38	17

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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	8.0	SW.	23	SW.	0	10	12	2	2	12	12	4	8	0	13	6	12	6	6	8	6	0	1	13	0	30	0	0
February	8.3	SW.	25	S.	0	9	2	1	5	8	14	10	7	0	20	6	2	0	0	0	0	0	0	0	0	10	0	0
March	7.9	N.	26	W.	0	16	12	2	4	4	7	12	5	0	14	10	7	4	3	3	2	0	0	1	0	15	1	0
April	8.5	S.	30	NW.	0	6	3	4	12	15	12	4	4	0	17	9	4	6	5	0	0	0	0	0	0	0	3	0
May	9.6	S.	30	W.	0	1	5	3	13	19	12	5	4	0	15	13	3	8	6	0	0	1	0	0	2	0	2	0
June	9.3	S.	30	W.	0	2	5	5	5	25	17	1	0	0	16	13	1	9	9	0	0	1	0	0	12	0	8	0
July	7.5	S.	20	SE.	0	3	6	2	5	26	18	1	1	0	21	8	2	7	6	0	0	0	0	0	24	0	5	0
August	7.5	S.	22	SE.	0	2	2	3	8	22	15	6	4	0	21	8	2	8	6	0	0	0	0	0	20	0	6	0
September	8.3	S.	24	S.	0	4	3	6	6	17	15	7	2	0	14	15	1	4	2	0	0	0	0	0	14	0	4	0
October	8.3	S.	31	SE.	0	5	11	3	16	15	9	3	0	0	14	4	13	11	8	0	0	0	2	0	0	0	6	0
November	8.9	SW.	24	W.	0	3	2	3	3	11	18	10	10	0	21	4	5	4	2	3	3	0	0	0	0	11	0	0
December	6.5	NW.	21	NW.	0	13	4	0	4	9	4	15	13	0	20	4	7	4	2	4	2	0	1	1	0	25	0	0
Year	8.2	S.	31	SE.	0	74	67	34	83	183	153	78	58	0	206	100	59	71	55	18	13	2	4	15	72	91	35	0

Annual meteorological summary for the year ending December 31, 1930—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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.433	29.900	29.060	37.4	47.3	43.7	53.0	33.9	43.4	75	12	33	35	...	84	64	...	0.215	0.227	.....	4.16	1.18	5.8	5.5	5.2	5.1
February	29.371	29.640	28.910	43.2	59.6	51.9	64.4	38.7	51.6	82	24	37	36	...	80	44	...	.238	.237	.....	1.56	.71	4.6	3.5	3.7	3.5
March	29.190	29.486	28.550	43.6	56.4	52.4	61.0	40.3	50.6	74	23	36	36	...	76	48	...	.232	.230	.....	8.30	6.26	5.4	5.0	6.0	5.1
April	29.297	29.660	28.980	56.0	73.3	65.3	77.0	49.6	63.3	86	36	46	44	...	71	37	...	.332	.305	.....	1.54	1.32	4.6	3.8	4.1	3.9
May	29.296	29.520	29.040	65.8	79.1	71.2	82.1	59.2	70.6	91	46	58	58	...	78	50	...	.502	.495	.....	7.91	3.54	5.0	4.2	5.6	4.7
June	29.249	29.580	28.920	69.2	84.6	76.5	87.9	61.6	74.8	101	48	60	58	...	74	43	...	.538	.506	.....	1.84	.81	2.4	2.9	3.0	2.8
July	29.265	29.430	29.030	74.3	90.2	82.8	95.6	68.7	82.2	105	57	67	65	...	79	46	...	.668	.636	.....	3.45	1.90	3.3	3.3	5.2	3.5
August	29.273	29.470	29.100	70.5	86.4	77.2	90.3	65.1	77.7	103	55	64	63	...	80	47	...	.602	.582	.....	1.99	.69	3.4	3.6	4.4	3.4
September	29.257	29.468	29.100	69.3	82.6	73.3	86.1	65.2	75.6	96	49	66	66	...	89	58	...	.646	.638	.....	4.19	1.43	5.5	5.4	5.5	5.3
October	29.331	29.740	29.060	52.1	69.3	57.8	71.3	47.2	59.2	82	30	47	47	...	84	48	...	.345	.353	.....	1.37	.77	3.7	3.0	3.3	3.4
November	29.403	29.800	28.980	45.6	57.6	51.1	60.6	42.8	51.7	81	20	40	40	...	83	57	...	.282	.286	.....	6.62	1.99	5.4	5.1	4.8	5.2
December	29.351	29.740	29.030	35.1	46.7	41.3	49.5	32.7	41.1	62	21	31	32	...	84	58	...	.174	.184	.....	2.25	.88	5.7	5.1	5.6	5.1
Year	29.310	29.900	28.550	55.2	69.4	62.0	73.2	50.4	61.8	105	12	49	48	...	80	50	...	.398	.390	.....	45.18	6.26	4.6	4.2	4.7	4.2

APALACHICOLA, FLA.

[ϕ=29° 45′ N.; λ=84° 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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	30.152	30.500	29.736	49.3	57.8	54.9	60.9	46.2	53.6	73	29	46	47	47	87	71	77	0.335	0.365	0.351	6.36	1.79	4.6	4.1	3.4	5.3
February	30.101	30.331	29.790	54.8	63.8	60.3	65.5	52.0	58.8	76	38	50	52	53	86	67	78	.386	.406	.420	1.26	1.15	4.3	4.2	4.5	4.2
March	29.956	30.390	29.440	54.0	61.3	58.5	63.7	50.9	57.3	76	36	48	45	48	80	60	70	.357	.343	.382	8.23	2.72	6.8	5.9	6.2	6.3
April	30.017	30.410	29.730	65.1	71.9	68.7	74.1	60.7	67.4	84	48	59	58	59	81	63	72	.508	.495	.508	2.00	1.17	4.2	3.8	3.6	4.0
May	30.009	30.210	29.650	74.4	80.4	76.8	82.0	69.7	75.8	90	63	66	67	66	76	64	70	.649	.664	.648	.62	.44	4.9	3.6	4.5	3.7
June	29.940	30.180	29.700	76.7	82.5	79.2	84.0	71.8	77.9	101	62	70	70	70	80	66	73	.741	.739	.739	2.68	.78	4.7	4.4	4.0	4.3
July	29.994	30.150	29.760	82.5	86.6	82.5	88.7	76.2	82.4	93	69	75	75	74	80	68	75	.879	.859	.836	5.28	1.93	3.6	5.1	6.1	4.6
August	29.981	30.170	29.770	78.5	85.1	81.8	87.5	73.7	80.6	92	67	71	70	70	78	62	68	.771	.752	.736	2.68	.82	3.1	4.9	2.5	4.1
September	29.956	30.150	29.830	78.9	84.1	79.6	86.1	73.9	80.0	89	68	74	74	73	84	71	80	.827	.829	.810	10.18	2.52	4.3	4.8	4.3	5.0
October	30.008	30.430	29.770	63.9	74.0	68.9	75.8	60.6	68.2	85	43	56	57	58	76	58	69	.477	.500	.505	.58	.44	3.8	3.1	3.4	3.7
November	30.121	30.456	29.770	56.8	64.2	61.2	66.5	54.3	60.4	75	36	52	53	53	84	71	77	.423	.444	.443	8.67	5.84	6.0	5.5	4.1	5.9
December	30.087	30.440	29.820	47.7	55.6	51.3	57.5	44.7	51.1	69	36	43	44	44	84	67	77	.291	.305	.298	3.35	.84	6.6	5.7	5.7	6.2
Year	30.027	30.500	29.440	65.2	72.3	68.6	74.4	61.2	67.8	101	29	59	59	60	81	66	74	.554	.558	.555	51.89	5.84	4.7	4.6	4.4	4.8

ASHEVILLE, N. C.

[ϕ=35° 36′ N.; λ=82° 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	27.812	28.230	27.480	34.8	43.3	40.3	48.7	30.8	39.8	71	11	30	31	30	82	64	66	0.184	0.226	0.189	1.48	0.79	6.2	6.5	5.3	6.1
February	27.752	28.020	27.272	35.7	50.1	47.4	55.5	32.8	44.2	78	13	29	30	30	75	48	53	.173	.182	.180	.67	.26	4.2	3.2	3.6	3.4
March	27.534	27.960	26.940	35.8	47.6	45.7	53.8	32.2	43.0	68	12	29	28	30	77	50	55	.170	.171	.175	1.66	1.05	5.8	4.3	5.2	4.7
April	27.717	28.100	27.190	48.5	63.4	60.4	67.4	45.1	56.2	82	29	40	40	40	73	45	50	.261	.259	.264	1.72	.87	4.3	5.2	4.9	4.3
May	27.754	27.960	27.420	57.8	70.3	66.8	74.1	53.5	63.8	84	42	53	51	53	84	53	63	.409	.390	.414	2.56	.74	5.8	6.7	6.1	5.4
June	27.725	28.075	27.390	61.7	74.6	72.0	78.5	57.6	68.0	93	41	56	54	55	81	49	58	.454	.424	.450	2.96	.75	4.4	5.2	5.4	4.1
July	27.729	27.892	27.520	67.4	81.5	77.5	85.6	63.4	74.5	96	56	62	58	61	82	48	58	.551	.490	.535	1.12	.27	5.0	6.0	5.4	4.5
August	27.757	27.970	27.560	62.1	77.8	72.7	81.7	59.1	70.4	94	49	58	55	58	88	47	62	.496	.436	.491	1.78	.76	3.8	5.2	5.1	3.8
September	27.751	28.040	27.550	62.2	75.3	69.5	78.1	60.0	69.0	88	45	60	60	61	92	60	76	.521	.525	.544	4.23	1.95	5.5	6.2	6.1	6.5
October	27.764	28.051	27.490	45.7	60.0	54.6	62.7	42.9	52.8	75	26	42	41	43	86	51	65	.282	.277	.299	1.00	.50	4.1	5.0	4.0	4.5
November	27.814	28.230	27.220	38.3	48.6	45.5	52.7	35.5	44.1	73	11	34	34	35	85	60	67	.224	.228	.226	2.84	.79	5.8	5.6	5.2	5.9
December	27.696	28.110	27.380	29.5	38.0	36.0	41.8	26.5	34.2	56	13	25	26	26	84	62	66	.141	.143	.143	2.45	1.13	6.2	6.2	4.6	6.2
Year	27.734	28.230	26.940	48.3	60.9	57.4	65.0	45.0	55.0	96	11	43	42	44	82	53	62	.322	.313	.326	24.47	1.95	5.1	5.4	5.1	5.0

ATLANTA, GA.

[ϕ=33° 45′ N.; λ=84° 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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	28.960	29.380	28.600	39.0	46.6	45.4	50.9	34.7	42.8	71	15	34	35	36	81	67	70	0.216	0.231	0.232	5.35	1.19	6.1	6.1	4.4	5.6
February	28.897	29.170	28.440	45.6	55.8	55.6	61.2	42.5	51.8	77	24	38	42	40	74	62	58	.243	.283	.260	1.02	.54	4.1	4.2	4.2	3.8
March	28.705	29.020	28.070	43.6	52.1	52.5	57.5	41.1	49.3	70	21	35	32	34	73	51	52	.220	.205	.214	4.34	2.62	5.8	5.4	5.8	5.7
April	28.825	29.200	28.470	56.2	68.8	67.9	73.0	53.9	63.4	85	43	44	41	42	64	40	42	.301	.274	.287	1.40	.67	4.3	5.3	5.4	5.1
May	28.847	29.080	28.560	65.7	75.3	72.8	79.0	61.9	70.4	88	53	57	55	55	74	52	58	.476	.453	.452	6.50	2.01	5.4	6.1	6.4	6.1
June	28.796	29.140	28.490	69.7	80.2	79.5	84.6	65.8	75.2	99	53	59	56	56	70	46	48	.512	.462	.466	1.44	.55	3.5	5.3	5.5	4.8
July	28.798	29.000	28.540	74.7	87.1	83.2	91.4	71.2	81.3	103	64	65	62	63	73	46	54	.622	.567	.587	1.48	.94	4.5	5.2	5.8	5.3
August	28.826	29.040	28.620	72.3	84.1	80.7	87.8	69.9	78.8	98	57	62	59	60	71	44	51	.562	.513	.529	.96	.63	4.7	4.7	4.9	5.0
September	28.817	29.080	28.680	69.9	80.1	75.6	83.4	67.9	75.6	92	56	65	64	64	84	60	70	.626	.605	.613	3.52	1.36	5.8	7.1	5.8	6.8
October	28.871	29.220	28.620	53.3	65.3	62.1	68.3	51.8	60.0	79	32	45	43	44	73	47	54	.319	.305	.311	1.25	.66	3.5	4.4	4.0	4.1
November	28.939	29.350	28.490	44.7	53.3	51.4	56.0	43.2	49.6	76	23	38	38	38	77	60	63	.260	.269	.265	5.94	2.06	6.0	6.4	5.9	6.4
December	28.861	29.290	28.610	35.4	41.9	41.6	45.6	33.5	39.6	57	23	29	30	30	79	64	65	.166	.170	.172	3.46	1.59	5.7	5.3	5.5	5.7
Year	28.845	29.380	28.070	55.8	65.9	64.0	69.9	53.1	61.5	103	15	48	46	47	74	53	57	.377	.361	.366	26.66	2.62	5.0	5.5	5.3	5.4

Annual meteorological summary for the year ending December 31, 1930—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	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 33 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: Thunderstorm	Electricity: Aurora
	Miles		*Mi.*																									
January	5.4	NW.	20	NW.	0	5	0	1	16	11	3	4	22	0	14	4	13	10	10	2	2	0	0	1	0	16	1	0
February	5.0	S.	22	SE.	0	7	2	1	13	14	6	3	10	0	15	8	5	8	7	0	0	0	0	0	0	7	1	0
March	6.1	NW.	20	W.	0	1	0	4	2	15	10	13	17	0	12	10	9	9	9	1	0	0	0	0	0	6	2	0
April	4.3	S.	20	W.	0	5	0	2	11	17	4	3	17	1	15	10	5	5	4	0	0	0	0	0	0	0	1	0
May	3.4	S.	13	W.	0	5	2	3	16	16	5	3	10	2	17	2	12	12	9	0	0	0	0	0	2	0	7	0
June	3.5	SE.	28	N.	0	6	1	5	19	10	2	6	10	1	19	8	3	7	4	0	0	0	0	0	12	0	5	0
July	3.0	NW.	20	NW.	0	9	2	3	15	9	6	6	10	2	17	13	1	13	11	0	0	0	0	0	27	0	14	0
August	2.9	NW.	18	NW.	0	4	5	2	12	9	8	5	14	3	20	8	3	9	8	0	0	0	0	0	19	0	7	0
September	2.7	S.	14	NW.	0	3	6	3	10	17	8	4	7	2	9	12	9	13	8	0	0	0	0	0	10	0	11	0
October	3.6	SE.	16	NW.	0	7	4	7	20	4	3	1	15	1	19	6	6	5	3	0	0	0	0	0	0	2	0	0
November	5.2	SE.	21	NW.	0	5	0	1	24	10	4	3	13	0	11	8	11	13	11	1	1	0	0	0	0	9	1	0
December	4.9	NW.	21	SE.	0	8	2	3	12	4	3	9	21	0	15	2	14	8	7	1	1	0	1	0	0	17	0	0
Year	4.2	NW.	28	N.	0	65	24	35	170	136	62	60	166	12	183	91	91	112	91	5	4	0	1	1	70	57	50	0

APALACHICOLA, FLA.

[H_b=36 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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	7.9	N.	23	N.	0	21	11	16	4	2	1	2	5	0	14	4	13	9	8	0	0	0	9	0	0	2	5	0
February	6.9	E.	26	NE.	0	11	9	9	4	6	4	4	4	0	12	9	7	4	3	0	0	0	3	0	0	0	2	0
March	8.9	NW.	32	E.	0	8	9	7	3	8	5	8	14	0	7	9	15	12	11	0	0	0	2	0	0	0	5	0
April	7.5	E.	28	E.	0	5	11	9	8	6	6	8	7	0	13	11	6	5	5	0	0	0	1	0	0	0	2	0
May	7.9	SE.	28	E.	0	10	6	6	14	12	5	8	1	0	15	13	3	4	3	0	0	0	0	0	1	0	4	0
June	9.1	E.	28	E.	0	8	9	9	5	7	7	11	4	0	12	14	4	7	7	0	0	1	1	0	3	0	6	0
July	5.9	SW.	56	N.	1	8	2	1	5	2	19	19	6	0	12	14	5	10	9	0	0	0	0	0	12	0	16	0
August	5.8	N.	28	NW.	0	12	10	3	3	7	7	13	7	0	15	13	3	8	8	0	0	0	0	0	8	0	11	0
September	6.8	SE.	31	SE.	0	12	15	4	10	5	3	6	5	0	13	10	7	17	16	0	0	0	0	0	0	0	17	0
October	8.5	N.	32	SE.	0	22	19	1	8	2	2	3	5	0	16	9	6	4	2	0	0	0	0	0	0	0	0	0
November	9.2	E.	25	E.	0	10	12	11	8	5	1	5	8	0	10	5	15	8	7	0	0	0	3	0	0	0	5	0
December	8.0	NW.	28	E.	0	15	14	3	4	1	3	7	15	0	10	6	15	13	11	0	0	0	0	0	0	0	0	0
Year	7.7	N.	56	N.	1	142	127	79	81	61	65	94	81	0	149	117	99	101	90	0	0	1	19	0	24	2	73	0

ASHEVILLE, N. C.

[H_b=2,253 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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	8.7	SE.	27	N.	0	17	0	1	25	7	0	0	12	0	9	10	12	9	7	5	3	0	1	3	0	18	0	0
February	7.3	NW.	28	N.	0	10	0	0	14	6	1	3	19	3	16	9	3	5	3	3	0	0	1	0	0	15	0	0
March	8.8	NW.	28	N.	0	13	0	0	13	5	0	1	27	3	13	10	8	11	7	6	4	0	1	1	0	14	1	0
April	7.4	NW.	34	NW.	1	15	0	1	17	6	0	1	17	3	12	12	6	8	7	0	0	0	0	0	0	1	1	0
May	5.6	NW.	32	SE.	0	14	1	1	14	9	3	0	16	4	10	12	9	14	11	0	0	0	3	0	0	0	8	0
June	6.1	SE.	26	N.	0	12	0	1	18	8	2	0	17	2	14	12	4	11	8	0	0	1	1	0	2	0	5	0
July	5.3	N.	28	N.	0	25	1	2	11	5	0	0	17	1	13	14	4	12	6	0	0	0	2	0	8	0	8	0
August	4.5	SE.	32	NW.	0	14	1	4	20	7	0	1	12	3	19	8	4	8	8	0	0	0	1	0	5	0	7	0
September	4.4	SE.	19	N.	0	9	2	1	24	6	2	1	8	7	4	14	12	16	13	0	0	0	5	0	0	0	8	0
October	5.9	SE.	25	N.	0	13	2	3	23	3	0	1	14	3	14	10	7	8	6	1	0	0	5	0	0	4	0	0
November	7.4	SE.	32	SE.	0	6	1	1	21	11	0	1	17	2	10	5	15	10	7	4	3	0	4	1	0	13	0	0
December	8.1	N.	28	NW.	0	19	2	0	9	4	0	0	26	2	9	6	16	8	5	11	4	0	1	3	0	24	0	0
Year	6.6	NW.	34	NW.	1	167	10	15	209	77	8	9	202	33	143	122	100	120	88	30	14	1	25	8	15	89	38	0

ATLANTA, GA.

[H_b=1,173 ft.; h_t=190 ft; h_r=182 ft.; h_a=198 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	10.9	NW.	32	NW.	0	4	5	11	8	7	1	2	24	0	10	8	13	12	9	4	2	0	5	1	0	15	2	0
February	9.6	NW.	31	W.	0	4	1	5	7	10	7	6	16	0	15	8	5	6	5	0	0	0	2	0	0	3	1	0
March	11.9	NW.	38	NW.	4	0	0	8	6	7	4	14	23	0	10	6	15	9	9	2	0	1	3	0	0	3	1	0
April	9.8	NW.	43	NW.	1	1	3	7	7	6	3	12	20	1	9	12	9	6	4	0	0	0	0	0	0	0	2	0
May	7.7	NW.	26	NW.	0	1	2	7	14	9	4	6	18	1	8	10	13	14	12	0	0	1	0	0	0	0	10	0
June	8.4	NW.	30	NW.	1	4	2	11	13	5	2	6	17	0	11	11	8	10	7	0	0	1	0	0	9	0	7	0
July	7.1	NW.	29	W.	0	2	2	9	2	6	4	16	21	0	9	16	6	8	6	0	0	1	0	0	23	0	16	0
August	6.2	NW.	23	NW.	0	4	6	11	5	4	2	11	15	4	11	11	9	8	4	0	0	0	1	0	12	0	8	0
September	5.4	E.	23	SE.	0	4	2	17	10	4	8	7	8	0	5	9	16	14	11	0	0	0	3	0	5	0	4	0
October	8.4	NW.	26	NW.	0	3	5	15	9	3	1	4	21	0	15	8	8	6	4	0	0	0	1	0	0	1	0	0
November	10.3	E.	33	W.	2	1	4	21	6	2	4	5	16	1	10	4	16	11	7	2	0	0	2	0	0	5	1	0
December	10.4	NW.	29	NW.	0	1	5	14	1	0	1	13	27	0	11	5	15	10	8	4	0	0	3	1	0	13	0	0
Year	8.8	NW.	43	NW.	8	29	37	137	88	63	41	102	226	7	124	108	133	114	86	12	2	4	20	2	49	40	52	0

Annual meteorological summary for the year ending December 31, 1930—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	30.187	30.740	29.710	34.0	38.7	36.5	42.9	29.8	36.4	63	11	30	33	31	86	80	79	0.189	0.208	0.187	3.75	1.46	5.8	6.0	3.7	6.3
February	30.048	30.570	29.430	35.2	42.7	39.5	47.0	31.8	39.4	77	8	28	31	32	75	64	73	.166	.188	.188	2.07	.65	6.0	5.6	3.1	5.1
March	29.773	30.463	29.040	38.7	45.1	42.2	49.2	34.3	41.8	65	20	30	29	30	70	55	64	.173	.172	.179	1.30	.85	4.2	5.3	2.1	4.6
April	29.987	30.415	29.170	46.5	50.5	48.2	54.0	41.6	47.8	67	32	38	38	39	73	64	72	.237	.244	.247	2.00	.73	3.7	5.3	4.3	5.5
May	29.934	30.330	29.530	61.2	66.2	62.2	70.7	54.8	62.8	90	44	50	49	50	68	56	67	.368	.361	.372	1.95	.95	4.8	5.2	3.4	4.8
June	29.932	30.322	29.520	69.0	72.4	68.8	75.8	63.6	69.7	90	49	61	61	62	79	72	82	.552	.553	.570	5.04	3.01	4.0	4.7	3.9	5.0
July	29.869	30.124	29.632	73.7	78.4	74.1	81.6	67.7	74.6	102	57	66	65	67	78	66	78	.641	.634	.659	4.19	1.04	4.9	4.7	5.5	4.6
August	29.942	30.274	29.630	70.4	74.1	72.4	78.2	66.1	72.2	92	56	64	64	64	80	70	77	.605	.604	.612	2.55	2.06	4.6	4.4	3.4	4.2
September	29.946	30.262	29.630	70.2	75.3	71.9	77.9	66.7	72.3	92	54	64	62	64	80	67	77	.609	.592	.614	.89	.35	5.4	5.3	3.3	5.1
October	30.009	30.371	29.578	52.1	59.7	56.1	61.5	47.9	54.7	71	32	46	45	47	79	60	72	.327	.324	.342	2.43	1.72	3.3	3.7	2.5	3.9
November	30.129	30.770	29.250	44.9	50.1	48.0	52.8	42.2	47.5	63	17	39	39	41	80	69	76	.262	.268	.278	2.74	1.06	5.0	4.8	5.1	5.4
December	30.003	30.586	29.373	33.6	40.9	37.8	42.2	30.7	36.4	55	14	28	32	30	80	72	72	.164	.188	.172	2.27	.91	5.7	6.1	4.9	6.0
Year	29.980	30.770	29.040	52.5	57.8	54.8	61.2	48.1	54.6	102	8	45	46	46	77	66	74	.358	.361	.368	31.18	3.01	4.8	5.1	3.8	5.0

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	30.020	30.490	29.620	42.3	53.2	52.0	59.4	39.8	49.6	76	26	38	39	40	84	60	65	0.246	0.264	0.274	5.31	2.83	7.1	5.6	5.2	5.8
February	29.946	30.280	29.510	44.8	61.5	58.6	66.7	43.0	54.8	83	29	38	36	38	76	41	49	.240	.240	.249	.96	.38	3.6	2.9	2.4	3.2
March	29.743	30.110	29.130	46.6	56.9	55.3	62.4	43.2	52.8	74	26	39	37	38	75	51	55	.254	.245	.248	4.08	1.35	6.2	5.3	4.3	5.2
April	29.852	30.260	29.440	59.5	73.8	70.3	78.7	55.4	67.0	90	41	50	47	49	72	41	49	.378	.343	.363	1.91	1.13	4.0	4.4	3.5	4.4
May	29.860	30.100	29.530	70.1	81.9	77.6	86.0	64.5	75.2	92	50	60	56	57	73	42	52	.541	.467	.491	1.44	.60	5.0	5.5	5.9	5.3
June	29.803	30.172	29.490	73.2	80.3	79.9	88.3	67.6	78.0	102	50	65	61	63	77	51	59	.637	.565	.588	2.49	.76	5.3	4.6	5.2	5.1
July	29.780	29.990	29.567	78.5	90.4	84.8	94.6	73.2	83.9	104	67	70	68	70	77	50	64	.743	.686	.729	4.37	1.39	5.6	4.9	5.8	5.5
August	29.820	30.030	29.530	72.2	86.3	81.4	89.8	68.9	79.4	98	58	66	62	64	81	46	58	.642	.577	.619	3.67	2.48	4.5	4.4	4.2	4.4
September	29.828	30.066	29.660	72.6	85.0	77.8	88.4	69.8	79.1	96	58	69	67	68	90	57	74	.719	.679	.701	5.85	2.88	5.4	5.5	4.8	5.8
October	29.891	30.230	29.600	54.7	69.7	64.2	73.4	52.0	62.7	85	37	49	47	50	82	47	62	.368	.349	.385	2.16	1.32	3.4	3.3	2.5	3.6
November	29.996	30.485	29.490	47.6	58.0	54.8	61.3	45.6	53.4	78	26	42	44	44	80	61	68	.295	.319	.322	4.70	1.47	5.6	6.8	4.7	6.1
December	29.917	30.394	29.640	38.2	48.6	45.8	52.1	36.0	44.0	67	25	34	36	35	84	65	68	.203	.222	.209	2.16	1.10	5.1	4.8	4.5	5.3
Year	29.871	30.490	29.130	58.4	70.5	66.9	75.1	54.9	65.0	104	25	52	50	51	79	51	60	.439	.413	.432	39.10	2.88	5.1	4.8	4.4	5.0

AUSTIN, TEX.

[ϕ=30° 17′ N.; λ=97° 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	29.557	30.020	29.068	34.9	43.3	42.5	48.4	30.3	39.4	72	4	31	33	34	85	70	74	0.198	0.212	0.221	2.02	0.89	6.4	7.1	6.5	6.9
February	29.395	29.760	28.890	52.0	64.8	64.7	69.9	49.4	59.6	86	35	48	49	51	86	60	63	.350	.362	.386	1.70	.64	5.6	5.0	3.9	5.2
March	29.363	29.960	28.770	49.5	62.2	61.9	67.3	46.5	56.9	87	31	42	42	45	78	53	57	.299	.307	.321	2.09	1.05	6.0	6.0	5.3	5.6
April	29.332	29.650	29.040	61.7	79.1	78.3	83.5	59.7	71.6	92	51	56	51	54	82	43	47	.457	.399	.435	.74	.45	6.5	4.4	3.8	4.8
May	29.302	29.710	28.870	67.9	77.1	77.0	81.4	64.8	73.1	88	52	64	63	66	89	65	69	.622	.596	.640	8.97	2.52	7.2	6.9	6.0	6.6
June	29.307	29.530	29.110	72.2	85.7	85.5	89.4	70.0	79.7	100	60	67	66	68	85	53	58	.676	.638	.696	1.60	1.04	5.8	4.4	3.5	4.4
July	29.370	29.530	29.209	75.4	90.7	90.5	95.1	73.7	84.4	103	69	69	65	65	82	44	45	.717	.621	.630	.24	.16	3.7	3.9	3.1	3.7
August	29.343	29.510	29.140	75.0	92.1	91.7	96.6	73.8	85.2	103	67	69	63	63	82	39	41	.713	.589	.586	1.71	.62	3.5	2.8	3.4	3.6
September	29.308	29.540	29.053	70.6	85.8	84.3	90.3	69.1	79.7	98	58	66	63	63	85	48	51	.652	.595	.587	3.01	1.45	5.2	4.5	3.2	4.7
October	29.386	29.920	29.000	61.5	73.6	70.7	77.0	59.1	68.0	89	41	56	57	57	84	59	65	.491	.501	.499	8.07	3.71	5.8	5.2	4.5	5.6
November	29.491	29.920	28.910	52.6	63.8	61.6	67.9	49.2	58.6	84	30	46	45	46	78	53	61	.334	.325	.341	1.74	.78	5.6	6.1	5.5	6.2
December	29.531	29.820	29.110	41.9	54.3	52.7	58.9	39.3	49.1	72	25	37	38	40	83	56	62	.230	.241	.256	3.85	3.15	5.0	5.8	6.1	5.7
Year	29.390	30.020	28.770	59.6	72.7	71.8	77.1	57.1	67.1	103	4	54	53	54	83	54	58	.478	.449	.466	35.74	3.71	5.5	5.2	4.6	5.2

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	26.473	27.080	25.990	9.2	17.9	16.7	20.8	3.1	12.0	46	−22	6	11	10	84	73	75	0.060	0.074	0.072	0.86	0.32	6.5	8.0	6.8	7.2
February	26.460	26.770	25.950	32.0	39.3	38.7	41.8	27.5	34.6	55	17	28	28	29	84	66	68	.151	.157	.161	.74	.23	8.2	8.4	8.9	8.5
March	26.446	26.800	26.020	33.2	46.1	47.6	50.0	30.1	40.0	65	18	26	26	28	75	48	48	.143	.143	.153	.17	.04	4.4	6.2	6.0	6.9
April	26.404	26.760	26.150	38.6	58.3	59.2	62.6	36.1	49.4	77	26	32	34	33	77	41	40	.182	.195	.193	1.71	.67	5.2	6.8	7.2	6.8
May	26.368	26.760	26.100	42.0	58.1	58.0	62.0	39.0	50.5	83	31	33	34	34	70	42	44	.189	.196	.201	1.74	1.07	7.0	7.3	7.7	7.2
June	26.449	26.700	26.170	44.0	66.7	68.4	71.2	41.4	56.3	88	33	36	37	39	74	36	37	.215	.224	.242	.86	.39	3.4	4.5	5.0	4.2
July	26.458	26.630	26.270	53.7	78.2	81.7	84.3	51.7	68.0	95	41	36	40	41	52	26	25	.219	.255	.263	.05	.04	2.8	2.7	3.9	3.0
August	26.477	26.670	26.270	54.3	78.3	79.7	83.7	52.4	68.0	96	42	40	42	41	60	30	30	.255	.276	.274	1.16	.76	3.7	3.8	5.2	4.5
September	26.423	26.700	26.101	47.2	66.3	67.7	71.3	43.1	57.2	90	30	36	38	39	65	40	39	.212	.239	.244	.73	.33	4.3	4.9	6.1	5.1
October	26.499	26.850	25.950	35.1	53.0	52.6	57.0	30.8	43.9	69	18	29	33	33	78	47	48	.165	.192	.192	.29	.24	3.2	4.5	4.8	4.5
November	26.599	27.118	25.582	25.8	40.5	38.3	44.2	21.6	32.9	64	7	21	25	26	83	56	62	.114	.136	.137	.36	.22	4.8	5.8	5.6	5.9
December	26.692	26.948	26.350	17.2	27.2	24.5	30.3	11.6	21.0	40	−2	15	18	18	89	67	75	.086	.099	.098	.64	.31	5.6	5.6	5.7	5.5
Year	26.479	27.118	25.582	36.0	52.5	52.7	56.6	32.4	44.5	96	−22	28	30	31	74	48	49	.166	.182	.186	9.31	1.07	4.9	5.7	6.1	5.7

Annual meteorological summary for the year ending December 31, 1930—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 33 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorm	Aurora
	Miles		*Mi.*																									
January	14.9	NW.	48	NE.	5	7	5	4	2	13	8	6	17	0	8	8	15	13	10	7	5	0	4	4	0	19	1	0
February	15.1	NW.	42	S.	5	5	4	3	4	7	10	9	14	0	9	13	6	10	9	4	2	0	2	2	0	14	4	0
March	17.1	W.	62	E.	10	2	1	4	4	7	12	23	9	0	12	13	6	7	6	3	0	0	3	1	0	10	3	0
April	16.3	NW.	60	SE.	8	3	10	6	6	6	5	10	14	0	8	10	12	9	7	0	0	0	5	0	0	1	1	0
May	15.5	NW.	40	NW.	3	0	4	4	4	5	13	14	18	0	10	15	6	7	6	0	0	0	4	0	1	0	1	0
June	14.6	S.	52	SE.	4	1	4	5	4	18	15	7	6	0	7	14	9	10	8	0	0	0	11	0	1	0	2	0
July	12.4	S.	48	N.	6	5	3	3	6	15	11	9	10	0	12	13	6	10	8	0	0	1	0	0	2	0	9	0
August	12.4	S.	48	N.	3	7	10	5	4	13	10	4	9	0	14	11	6	5	5	0	0	0	4	0	1	0	0	0
September	11.3	S.	36	SW.	1	5	4	3	9	15	10	6	8	0	7	18	5	9	4	0	0	0	3	0	1	0	0	0
October	13.7	NW.	50	NW.	1	14	7	4	1	5	6	13	12	0	17	7	7	7	6	0	0	0	2	0	0	0	0	0
November	15.4	W.	72	NE.	6	0	12	8	7	6	6	16	5	0	12	6	12	9	5	1	0	0	5	1	0	6	0	0
December	14.5	W.	42	NE.	5	6	6	2	1	2	5	24	15	1	11	5	15	12	7	7	4	1	2	3	0	19	0	0
Year	14.4	NW.	72	NE.	57	55	70	51	52	112	111	141	137	1	127	133	105	108	81	22	11	2	45	11	6	69	24	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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	4.4	NW.	20	NE.	0	4	17	3	4	5	1	3	20	5	6	13	12	14	9	1	1	0	2	0	0	8	2	0
February	4.1	NW.	18	W.	0	2	6	7	5	9	3	3	12	9	17	8	3	4	4	0	0	0	1	0	0	2	1	0
March	6.4	NW.	26	W.	0	4	6	5	3	7	8	8	18	3	9	11	11	14	8	0	0	0	1	0	0	3	2	0
April	5.0	NW.	31	W.	0	3	3	9	10	11	5	2	14	3	11	16	3	5	5	0	0	0	0	0	1	0	2	0
May	4.8	S.	23	NW.	0	7	12	2	8	12	9	3	7	2	8	14	9	6	4	0	0	0	0	0	6	0	5	0
June	4.8	S.	19	E.	0	0	9	6	12	13	3	3	14	0	10	14	6	10	8	0	0	0	0	0	10	0	4	0
July	4.3	S.	34	NE.	1	1	3	1	9	12	18	6	11	1	8	16	7	12	10	0	0	0	0	0	27	0	13	0
August	3.9	S.	24	N.	0	3	11	4	7	15	6	4	10	2	14	14	3	8	8	0	0	0	0	0	16	0	3	0
September	3.6	S.	19	SW.	0	5	14	6	9	14	5	1	3	3	6	15	9	10	7	0	0	0	2	0	15	0	10	0
October	3.9	NW.	15	W.	0	6	17	5	3	1	3	3	21	3	16	8	7	7	5	0	0	0	2	0	0	0	0	0
November	4.8	NE.	23	W.	0	8	19	4	4	3	3	1	16	2	10	4	16	11	9	0	0	0	2	0	0	2	0	0
December	4.6	NW.	18	NW.	0	3	11	4	0	1	4	7	28	4	13	4	14	7	5	1	1	0	1	1	0	11	0	0
Year	4.6	NW.	34	NE.	1	46	128	56	74	103	68	44	174	37	128	137	100	108	82	2	2	0	11	1	75	26	42	0

AUSTIN, TEX.

[H_b=605 ft.; h_t=136 ft.; h_r=129 ft.; h_a=148 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	8.0	N.	29	N.	0	24	7	5	11	8	0	0	7	0	8	2	21	13	8	1	1	0	3	5	0	17	2	0
February	7.9	S.	26	N.	0	9	6	3	18	10	3	2	5	0	9	10	9	7	5	0	0	0	3	0	0	0	2	0
March	8.4	S.	31	N.	0	13	9	4	12	14	2	1	6	1	10	9	12	8	7	1	0	0	0	0	0	1	0	0
April	7.5	SE.	39	W.	1	6	1	1	30	13	2	2	4	1	10	11	9	5	3	0	0	0	1	0	2	0	4	0
May	6.9	SE.	34	N.	2	4	10	9	29	5	0	1	4	0	5	11	15	12	8	0	0	1	0	0	0	0	7	0
June	7.1	SE.	26	S.	0	1	5	10	24	17	0	0	2	1	13	11	6	6	3	0	0	0	0	0	15	0	1	0
July	6.4	S.	26	NE.	0	3	4	0	29	18	3	3	0	2	15	14	2	2	2	0	0	0	0	0	30	0	4	0
August	6.2	S.	29	SE.	0	1	4	6	20	24	2	2	3	0	19	11	1	5	4	0	0	0	0	0	29	0	3	0
September	6.2	SE.	33	N.	2	7	12	9	17	8	1	2	2	2	9	16	5	7	6	0	0	0	0	0	20	0	6	0
October	6.1	E.	33	N.	1	9	11	19	12	6	0	1	3	1	10	8	13	11	11	0	0	0	1	0	0	0	1	0
November	6.3	N.	33	NW.	1	12	11	4	11	6	3	1	11	1	8	6	16	11	7	0	0	0	1	0	0	1	0	0
December	6.7	N.	31	N.	0	17	5	2	9	4	4	3	17	1	10	9	12	7	5	0	0	0	1	0	0	4	1	0
Year	7.0	SE.	39	W.	7	106	85	72	222	133	20	18	64	10	126	118	121	94	69	2	1	1	10	5	96	23	31	0

BAKER, OREG.

[H_b=3,471 ft.; h_t=48 ft.; h_r=44 ft.; h_a=53 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	4.8	SE.	29	SW.	0	7	2	3	25	4	4	8	4	5	4	10	17	16	5	21	15	0	0	25	0	31	0	0
February	4.8	SE.	18	SW.	0	6	3	1	26	5	2	10	2	1	1	6	21	13	7	14	8	0	4	0	0	21	0	0
March	5.7	SE.	23	SW.	0	10	1	3	21	4	2	5	16	0	8	12	11	7	1	7	3	0	1	0	0	22	1	0
April	5.4	SE.	30	SW.	0	6	3	2	33	2	4	5	5	0	5	12	13	12	9	0	0	0	0	0	0	4	3	0
May	5.8	NW.	22	NW.	0	9	3	0	20	1	3	9	17	0	3	11	17	12	7	2	0	1	0	0	0	2	5	0
June	4.8	SE.	18	N.	0	8	2	1	29	1	2	8	9	0	14	9	7	6	4	0	0	2	0	0	0	0	4	0
July	4.7	SE.	18	NW.	0	9	1	0	26	1	0	7	17	1	21	8	2	2	1	0	0	0	0	0	5	0	4	0
August	4.7	SE.	26	W.	0	7	2	0	28	7	3	4	11	0	13	10	8	5	4	0	0	2	0	0	5	0	7	0
September	4.3	SE.	17	SW.	0	6	1	1	31	1	2	6	12	0	11	8	11	9	4	0	0	0	0	0	1	1	1	0
October	4.4	SE.	17	SE.	0	9	2	1	26	4	3	9	7	1	13	10	8	3	3	2	0	0	2	0	0	21	1	1
November	5.3	SE.	20	N.	0	4	4	0	25	20	3	2	2	0	9	10	11	5	2	4	4	0	1	4	0	27	0	0
December	4.7	SE.	16	SE.	0	1	4	2	25	23	2	5	0	0	10	8	13	10	8	12	10	0	0	18	0	31	0	0
Year	4.9	SE.	30	SW.	0	82	28	14	315	73	30	78	102	8	113	114	139	100	55	62	40	5	8	47	11	160	26	1

Annual meteorological summary for the year ending December 31, 1930—Continued

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
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	30.115	30.640	29.640	32.6	38.8	37.2	43.3	29.0	36.2	69	11	27	28	28	78	67	70	0.166	0.181	0.175	2.66	0.89	6.2	6.7	3.7	6.7
February	29.974	30.460	29.440	36.8	45.1	43.9	50.6	33.4	42.0	83	9	29	30	32	74	57	65	.180	.188	.198	2.38	1.03	4.8	4.9	4.1	5.5
March	29.707	30.420	28.980	39.5	48.9	46.6	54.4	35.9	45.2	76	23	28	28	30	63	46	54	.165	.168	.182	2.27	1.57	4.5	5.0	3.0	4.5
April	29.919	30.340	29.090	48.9	56.0	54.7	61.1	44.0	52.6	79	34	37	39	39	66	56	58	.234	.245	.250	3.12	2.08	5.2	5.6	4.8	5.4
May	29.875	30.230	29.480	64.1	73.9	70.5	78.6	58.3	68.4	96	46	49	47	49	60	42	50	.361	.340	.364	2.91	2.23	3.9	4.4	3.7	4.4
June	29.848	30.241	29.440	72.8	81.5	77.1	85.5	66.8	76.2	96	51	58	57	61	62	46	60	.501	.486	.546	2.97	.95	4.0	4.5	4.3	4.6
July	29.797	30.080	29.530	77.5	86.3	82.4	89.9	71.3	80.6	104	60	62	60	63	61	42	54	.573	.526	.588	.64	.18	3.9	4.9	5.0	4.9
August	29.868	30.210	29.600	73.0	82.6	79.5	86.8	68.3	77.6	104	60	58	56	60	60	43	52	.490	.466	.530	.78	.56	4.8	4.9	4.1	4.9
September	29.851	30.160	29.530	71.3	82.0	77.0	85.2	67.1	76.2	95	53	60	57	59	70	45	56	.551	.503	.527	.37	.21	6.0	4.3	2.9	5.1
October	29.964	30.350	29.530	52.6	63.0	59.4	66.3	49.0	57.6	82	36	42	40	42	68	44	53	.290	.275	.291	.37	.14	3.1	3.8	3.3	3.8
November	30.058	30.680	29.250	43.4	51.0	48.6	54.4	40.6	47.5	73	17	36	36	37	75	61	65	.238	.249	.249	1.13	.23	5.7	6.2	4.8	5.9
December	29.950	30.520	29.410	33.5	39.8	37.8	42.9	31.1	37.0	55	16	26	26	27	72	56	65	.144	.142	.151	1.95	1.56	5.8	6.6	5.0	6.3
Year	29.910	30.680	28.980	53.8	62.4	59.6	66.6	49.6	58.1	104	9	43	42	44	67	50	58	.324	.314	.338	21.55	2.23	4.8	5.2	4.1	5.2

BELLEFONTE, PA.

[ϕ=40° 54′ N.; λ=77° 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	29.062	29.560	28.620	23.6	30.7	27.0	35.1	16.6	25.8	61	−7	19	21	20	82	68	72	0.122	0.131	0.122	1.08	0.22	7.5	7.6	5.5	7.9
February	28.937	29.310	28.510	27.2	37.7	32.7	41.9	21.4	31.6	67	−5	22	26	26	80	64	76	.128	.159	.153	2.71	1.42	8.4	7.5	6.9	7.8
March	28.685	29.380	28.050	30.9	41.1	35.9	46.6	24.8	35.7	68	14	24	28	26	74	60	68	.133	.160	.152	2.31	1.29	5.9	6.0	4.6	5.9
April	28.906	29.280	28.103	41.4	52.9	48.3	58.0	34.3	46.2	82	23	33	37	36	72	57	65	.194	.238	.225	2.72	1.32	6.2	6.2	6.4	6.7
May	28.900	29.180	28.520	57.5	67.2	60.1	71.8	44.9	58.4	90	32	48	46	45	71	52	59	.347	.330	.307	1.88	.90	4.7	6.3	5.1	5.6
June	28.876	29.273	28.500	65.6	76.6	68.5	80.0	53.1	66.6	90	33	56	57	56	71	53	65	.455	.476	.452	5.67	1.45	4.7	5.6	5.0	4.9
July	28.859	29.140	28.560	67.6	80.4	72.1	84.8	55.4	70.1	97	40	59	57	58	74	46	64	.506	.475	.499	1.41	.49	4.6	5.7	4.2	4.6
August	28.922	29.240	28.650	64.9	79.5	70.3	83.6	52.6	68.1	100	37	54	50	52	70	39	55	.427	.371	.399	.36	.19	4.2	5.6	5.7	5.8
September	28.905	29.187	28.560	59.7	77.0	67.0	80.9	50.8	65.8	93	33	54	52	53	82	43	63	.434	.413	.426	1.42	.48	4.7	5.1	3.9	5.3
October	28.982	29.299	28.560	41.8	58.1	48.7	61.4	34.5	48.0	82	18	37	38	37	84	48	65	.236	.230	.229	.43	.20	5.2	5.5	4.1	5.7
November	29.027	29.503	28.240	35.2	46.2	40.3	49.6	29.3	39.4	68	1	30	32	32	82	61	73	.191	.204	.205	.95	.52	7.0	7.8	5.5	7.4
December	28.925	29.450	28.450	24.7	31.4	28.3	33.5	20.0	26.8	43	−2	21	23	23	86	70	78	.119	.127	.125	2.84	1.95	8.0	9.1	7.1	8.6
Year	28.916	29.560	28.050	45.0	56.6	49.9	60.6	36.5	48.5	100	−7	38	39	39	77	55	67	.274	.276	.274	23.78	1.95	5.9	6.5	5.3	6.4

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	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.237	29.794	28.740	23.7	29.7	----	34.2	18.0	26.1	59	0	19	21	---	80	68	---	0.120	0.124	----	1.77	0.54	7.0	8.0	----	8.0
February	29.114	29.580	28.700	26.0	35.3	----	39.5	20.6	30.0	65	−6	21	24	---	79	64	---	.126	.147	----	1.62	.81	6.6	7.0	----	6.8
March	28.847	29.570	28.170	30.0	38.7	----	43.7	25.5	34.6	68	13	24	26	---	76	58	---	.132	.144	----	2.46	.88	6.6	6.6	----	6.7
April	29.087	29.497	28.230	39.9	49.9	----	55.1	34.6	44.8	80	23	33	36	---	76	61	---	.192	.225	----	2.30	1.54	5.2	6.6	----	6.3
May	29.071	29.392	28.650	55.1	65.5	----	70.1	48.2	59.2	90	38	48	53	---	77	66	---	.342	.424	----	4.18	1.31	4.8	5.8	----	5.7
June	29.045	29.429	28.630	65.6	76.7	----	80.6	57.4	69.0	92	40	57	59	---	74	56	---	.472	.503	----	5.89	2.12	4.3	4.8	----	4.8
July	29.021	29.314	28.690	65.0	76.4	----	81.0	58.5	69.8	98	48	58	58	---	78	55	---	.486	.493	----	2.35	.69	5.7	5.6	----	5.7
August	29.099	29.449	28.880	61.3	77.1	----	81.4	56.5	69.0	97	40	54	52	---	79	44	---	.431	.403	----	1.54	1.36	6.7	5.6	----	6.5
September	29.086	29.400	28.730	57.8	72.8	----	76.7	53.6	65.2	88	40	53	54	---	86	53	---	.429	.443	----	5.37	1.76	4.7	5.2	----	5.9
October	29.159	29.483	28.710	40.8	55.9	----	60.2	38.6	49.4	81	23	38	41	---	88	59	---	.235	.277	----	.93	.37	4.4	6.3	----	6.9
November	29.207	29.733	28.310	37.8	46.4	----	49.8	34.7	42.2	66	8	32	33	---	78	61	---	.199	.215	----	1.06	.34	7.5	7.6	----	7.6
December	29.092	29.650	28.560	26.4	31.4	----	34.1	22.4	28.2	43	4	22	24	---	82	72	---	.123	.133	----	1.70	.42	9.4	8.4	----	8.9
Year	29.089	29.794	28.170	44.1	54.6	----	58.9	39.0	49.0	98	−6	38	40	---	79	60	---	.274	.294	----	31.17	2.12	6.1	6.5	----	6.6

BIRMINGHAM, ALA.

[ϕ=33° 32′ N.; λ=86° 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	29.458	29.870	29.050	38.9	47.4	46.3	53.2	35.2	44.2	74	11	34	35	35	81	63	65	0.223	0.237	0.235	4.25	1.27	6.2	5.9	4.9	5.9
February	29.377	29.630	28.930	46.9	59.9	56.2	64.0	43.9	54.0	81	25	37	37	38	71	46	53	.250	.245	.246	1.71	.82	5.6	4.4	3.9	4.4
March	29.212	29.540	28.560	45.0	57.7	54.8	62.2	42.3	52.2	74	23	36	35	37	73	46	54	.238	.233	.253	6.80	4.60	5.5	5.5	5.9	5.7
April	29.308	29.660	29.040	57.1	73.8	69.4	77.7	54.2	66.0	85	41	45	44	44	67	38	42	.325	.306	.296	1.38	1.30	4.3	4.2	3.6	4.0
May	29.306	29.550	29.050	66.3	78.4	74.3	81.7	62.2	72.0	90	49	58	57	57	76	51	58	.497	.455	.488	7.94	2.69	5.0	5.4	4.9	5.2
June	29.256	29.570	28.920	71.1	85.4	80.1	88.7	66.0	77.4	101	52	60	59	59	70	42	52	.537	.514	.519	1.55	1.00	2.9	3.5	3.3	3.1
July	29.266	29.430	28.998	75.6	92.1	85.5	96.2	71.6	83.9	107	62	68	66	65	78	44	52	.685	.649	.630	3.58	1.77	3.4	3.5	4.7	3.8
August	29.290	29.480	29.070	71.9	87.4	80.2	91.2	68.5	79.8	103	59	64	64	64	78	49	60	.612	.614	.601	4.93	2.05	3.6	4.8	4.7	4.3
September	29.266	29.500	29.070	69.7	83.6	75.8	86.1	67.1	76.6	96	52	66	66	67	89	57	76	.651	.651	.669	3.08	1.64	6.1	5.5	6.0	6.0
October	29.345	29.780	29.090	54.7	69.8	62.6	72.6	52.0	62.3	83	31	48	48	50	79	48	64	.364	.362	.386	2.55	1.88	3.9	4.0	3.2	4.0
November	29.409	29.850	28.940	47.3	58.5	54.8	61.9	45.3	53.6	82	24	41	41	42	80	56	64	.296	.298	.304	7.38	2.25	5.5	5.2	5.3	5.3
December	29.378	29.710	29.000	37.2	47.2	44.6	50.7	35.6	43.2	64	26	32	32	33	80	58	64	.183	.188	.194	2.48	1.26	5.5	5.3	5.4	5.4
Year	29.322	29.870	28.560	56.8	70.1	65.4	73.8	53.7	63.8	107	11	49	49	49	77	50	59	.405	.399	.402	47.63	4.60	4.7	4.8	4.6	4.8

Annual meteorological summary for the year ending December 31, 1930—Continued

BALTIMORE, MD.

[H_b=123 ft.; h_t=100 ft.; h_r=90 ft.; h_a=215 ft.]

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorm	Aurora
	Miles		*Mi.*																									
January	8.1	S.	36	NW.	1	10	9	7	6	11	6	3	10	0	9	4	18	8	6	9	5	0	5	6	0	21	1	0
February	8.5	SW.	32	SW.	0	8	4	5	5	11	11	3	9	0	12	7	9	8	5	4	2	0	4	2	0	12	0	0
March	11.5	SW.	40	SW.	5	6	4	3	2	13	21	3	10	0	15	6	10	6	5	4	0	0	2	0	0	7	0	0
April	10.3	NW.	48	W.	3	4	13	5	2	13	9	4	10	0	10	11	9	11	9	2	0	1	0	0	0	0	2	0
May	9.7	SW.	32	NW.	0	7	3	5	2	14	14	6	11	0	14	12	5	5	5	0	0	2	0	0	5	0	4	2
June	9.1	SW.	33	SW.	1	3	4	5	2	23	13	2	8	0	13	12	5	9	9	0	0	1	0	0	8	0	5	0
July	8.6	SW.	31	SW.	0	12	3	5	3	14	12	6	7	0	11	14	6	7	5	0	0	0	0	0	0	15	0	10
August	8.2	N.	28	SW.	0	12	9	7	2	17	8	0	7	0	10	17	4	6	4	0	0	0	0	0	0	11	0	4
September	7.6	SW.	30	NW.	0	6	6	4	4	18	15	2	5	0	8	16	6	8	4	0	0	0	0	0	0	9	0	3
October	8.3	N.	33	NW.	2	18	9	2	2	6	10	3	12	0	17	9	5	5	3	1	0	0	0	0	0	0	0	0
November	8.7	SW.	35	W.	3	5	12	4	4	10	17	3	5	0	11	4	15	11	7	2	0	0	6	2	0	9	0	0
December	9.5	SW.	41	NW.	3	9	9	1	2	8	14	4	15	0	7	10	14	7	5	7	3	0	1	3	0	17	0	0
Year	9.0	SW.	48	W.	18	100	85	53	36	158	150	39	109	0	137	122	106	91	67	29	10	4	18	13	48	66	29	3

BELLEFONTE, PA.

[H_b= 1,050 ft.; h_t=5 ft.; h_r=4 ft.; h_a=42 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	------	W.	----	-------	0	2	5	2	3	4	11	23	6	6	5	6	20	15	8	16	5	0	6	17	0	26	0	0
February	------	SW.	----	-------	0	0	4	1	1	8	15	14	4	9	5	5	18	13	8	15	8	0	3	6	0	22	2	0
March	------	W.	----	-------	0	1	2	5	2	3	19	20	7	3	11	4	16	11	8	13	6	1	0	3	0	25	1	0
April	------	W.	----	-------	0	3	4	5	8	4	8	14	8	6	5	12	13	11	6	5	1	0	0	0	0	14	3	0
May	------	SW.	----	-------	0	3	4	4	2	1	22	12	7	7	8	11	12	8	7	0	0	0	0	0	1	2	4	3
June	------	SW.	60	SW.	1	2	4	2	4	4	15	12	1	16	11	13	6	11	10	0	0	0	0	0	1	0	8	3
July	------	SW.	----	-------	0	4	4	2	3	5	16	4	5	19	9	18	4	8	4	0	0	0	3	0	9	0	5	1
August	------	SW.	----	-------	0	2	8	4	3	2	22	7	7	7	9	11	11	4	4	0	0	0	3	0	8	0	5	0
September	------	SW.	----	-------	0	1	2	2	5	4	20	9	4	13	10	10	10	9	7	0	0	1	3	0	3	0	9	0
October	------	SW.	38	W.	1	4	9	1	4	1	15	9	2	17	9	12	10	5	4	4	0	0	3	0	0	14	0	1
November	------	SW.	----	-------	0	3	7	2	10	3	17	5	2	11	2	11	17	5	2	6	0	0	3	4	0	19	0	0
December	------	W.	----	-------	0	2	6	6	0	5	18	19	2	4	2	4	25	7	5	18	6	0	1	15	0	27	0	0
Year	------	SW.	60	SW.	2	27	59	36	45	44	198	148	55	118	86	117	162	107	73	77	26	2	25	45	22	149	37	8

BINGHAMTON, N. Y.

[H_b=871 ft.; h_t=10 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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	5.8	NW.	24	SW.	0	0	5	5	2	2	5	3	9	0	2	9	20	14	8	10	5	0	0	17	0	26	0	0
February	5.2	NW.	18	NW.	0	3	5	6	0	0	3	4	7	0	9	2	17	12	7	16	10	0	3	9	0	21	1	0
March	7.2	NW.	23	NW.	0	2	3	3	4	0	3	10	6	0	5	10	16	14	9	16	5	0	2	5	0	28	1	0
April	6.1	NW.	24	SW.	0	0	5	6	5	0	1	4	9	0	8	7	15	13	7	8	7	1	1	0	0	14	1	0
May	5.2	NW.	24	NW.	0	1	5	8	0	1	1	3	11	1	9	10	12	14	10	0	0	0	0	0	0	0	5	0
June	5.1	SW.	22	SE.	0	0	5	3	1	2	7	2	7	3	14	6	10	10	10	0	0	0	0	0	3	0	4	0
July	4.4	NW.	18	SW.	0	3	5	5	0	1	1	7	9	0	6	15	10	11	9	0	0	0	2	0	4	0	4	0
August	3.9	NE.	18	NW.	0	2	10	6	2	0	2	8	1	0	6	12	13	8	3	0	0	0	5	0	5	0	1	0
September	3.9	NE.	29	N.	0	2	8	5	2	2	1	5	4	1	7	12	11	11	10	0	0	1	10	0	0	0	6	0
October	4.1	NE.	20	W.	0	1	8	7	1	0	2	6	5	1	6	6	19	7	6	2	1	0	13	0	0	7	0	0
November	5.7	W.	27	SW.	0	1	4	6	5	1	2	6	5	0	5	5	20	15	7	9	5	0	0	4	0	16	0	0
December	5.2	NW.	17	NW.	0	1	0	7	2	2	4	10	5	0	0	4	27	15	10	19	10	0	0	12	0	25	0	0
Year	5.2	NW.	29	N.	0	16	63	67	24	11	32	68	78	6	77	98	190	144	96	80	43	2	36	47	12	137	23	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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	7.6	N.	23	SE.	0	19	3	4	11	9	3	5	8	0	11	6	14	10	10	5	3	0	0	1	0	15	2	0
February	7.2	S.	29	SE.	0	8	7	4	8	14	8	1	6	0	14	8	6	7	7	0	0	0	1	0	0	2	0	0
March	7.4	W.	26	S.	0	1	1	6	4	14	7	15	14	0	12	4	15	9	7	1	0	0	0	0	0	3	3	0
April	5.8	S.	25	W.	0	14	7	3	10	11	11	1	3	0	14	9	7	3	3	0	0	0	0	0	0	0	1	0
May	5.1	S.	20	S.	0	10	1	5	12	12	9	5	7	1	13	6	12	10	8	0	0	0	0	0	0	0	9	0
June	5.2	N.	22	N.	0	17	4	10	11	4	7	5	2	0	18	10	2	4	3	0	0	0	0	0	14	0	9	0
July	4.3	S.	28	N.	0	8	8	3	7	12	12	7	4	1	14	16	1	6	5	0	0	0	0	0	28	0	17	0
August	4.2	N.	17	NE.	0	14	9	6	7	10	9	1	5	1	14	11	6	9	9	0	0	0	0	0	18	0	10	0
September	4.3	S.	18	SE.	0	9	10	5	13	14	2	2	4	1	6	13	11	10	8	0	0	0	0	0	10	0	8	0
October	5.2	N.	23	SE.	0	18	11	8	12	2	2	2	7	0	15	7	9	3	2	0	0	0	0	0	0	1	0	0
November	7.0	E.	29	SE.	2	9	6	16	11	6	2	3	6	1	13	6	11	13	10	1	0	0	0	0	0	5	2	0
December	3.8	NW.	34	SE.	1	11	5	8	7	3	3	6	19	0	14	3	14	11	9	0	0	0	3	0	0	10	0	0
Year	5.8	N.	39	SE.	3	138	72	78	113	111	75	53	85	5	158	99	108	95	81	7	3	0	4	1	70	36	61	0

Annual meteorological summary for the year ending December 31, 1930—Continued

BISMARCK, N. DAK.

[ϕ=46° 47′ N.; λ=100° 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
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	28.352	28.910	27.870	−3.2	3.7	2.4	7.7	−8.5	−0.4	31	−28	−6	−3	−2	87	71	80	0.035	0.039	0.039	0.23	0.14	5.2	5.0	4.6	5.1
February	28.090	28.603	27.710	19.9	28.0	26.7	33.7	14.9	24.3	57	−11	16	19	22	84	69	80	.097	.112	.125	1.36	.71	4.2	4.9	6.1	5.1
March	28.173	28.800	27.560	21.4	33.0	32.2	37.4	18.5	28.0	55	−3	17	22	22	83	63	65	.099	.119	.119	T.	T.	3.8	4.3	4.3	4.5
April	28.190	28.482	27.820	39.2	56.4	57.5	61.2	37.6	49.4	81	21	33	32	33	79	46	44	.194	.200	.204	1.37	.64	5.0	4.5	5.3	4.9
May	28.117	28.576	27.570	43.6	58.5	58.5	62.7	40.3	51.5	87	29	36	36	37	76	48	50	.222	.224	.233	2.19	1.04	4.8	5.4	5.8	5.3
June	28.078	28.450	27.440	57.1	70.8	71.0	75.1	53.9	64.5	86	43	50	49	50	77	49	50	.365	.365	.376	2.19	.93	3.9	4.9	4.7	4.4
July	28.156	28.523	27.842	64.0	84.1	85.3	89.1	60.4	74.8	102	49	56	53	52	75	36	34	.453	.419	.413	1.90	1.26	3.2	2.0	2.6	2.5
August	28.216	28.610	27.827	60.9	78.6	78.9	83.8	58.8	71.3	97	45	53	54	55	77	47	48	.407	.433	.443	1.71	1.03	5.0	5.0	4.6	5.0
September	28.144	28.555	27.510	47.3	65.1	64.2	70.3	45.1	57.7	88	25	41	42	42	80	44	46	.275	.287	.286	2.70	1.79	2.9	3.2	4.5	3.7
October	28.210	28.690	27.694	35.8	46.5	44.0	50.4	32.3	41.4	73	14	32	34	32	84	62	62	.199	.216	.201	1.94	.68	5.5	5.9	5.8	5.2
November	28.212	28.850	27.310	24.9	36.5	33.0	42.5	19.7	31.1	68	−4	21	23	22	83	60	64	.114	.126	.118	.98	.70	4.2	5.0	4.5	4.8
December	28.237	28.724	27.850	19.6	27.2	25.4	30.4	15.1	22.8	46	−1	15	19	19	81	69	75	.085	.102	.103	.19	.14	5.5	5.5	4.9	5.6
Year	28.181	28.910	27.310	35.9	49.0	48.3	53.7	32.3	43.0	102	−28	30	32	32	80	55	58	.212	.220	.222	16.76	1.79	4.4	4.6	4.8	4.7

BLOCK ISLAND, R. I.

[ϕ=41° 10′ N.; λ=71° 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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	30.175	30.760	29.550	32.0	35.1	34.4	39.5	27.9	33.7	56	12	23	30	26	80	82	80	0.161	0.181	0.168	3.23	0.88	6.3	7.1	5.4	6.3
February	30.020	30.580	29.360	32.0	35.6	34.4	40.8	27.6	34.2	57	5	27	27	28	82	71	81	.159	.160	.164	3.95	1.66	5.1	4.1	4.1	4.7
March	29.739	30.360	28.920	35.9	40.1	38.5	43.6	32.1	37.8	52	19	29	30	30	74	68	75	.165	.174	.174	2.35	.92	4.4	4.1	3.5	4.3
April	29.970	30.570	29.140	42.8	46.6	44.1	50.3	38.5	44.4	65	31	36	37	36	76	71	76	.214	.229	.220	1.47	.57	5.5	6.1	5.1	5.3
May	29.911	30.357	29.590	55.4	59.8	53.9	63.5	50.0	56.8	79	46	47	48	47	74	68	76	.324	.347	.324	3.06	1.95	5.1	6.4	5.4	5.6
June	29.936	30.320	29.450	64.4	67.9	62.8	70.7	59.4	65.0	80	48	59	61	59	84	80	87	.510	.541	.510	2.00	.67	5.0	5.2	5.0	5.8
July	29.868	30.133	29.540	69.4	73.9	68.8	76.6	64.2	70.4	85	58	63	64	64	81	73	84	.585	.605	.599	1.78	1.24	5.1	5.4	5.0	5.2
August	29.961	30.310	29.600	67.9	71.9	67.2	74.9	63.6	69.2	88	57	63	63	63	86	76	86	.586	.587	.582	2.29	1.09	4.1	5.3	4.5	4.9
September	29.948	30.334	29.640	66.9	71.7	66.7	73.9	62.7	68.3	83	51	60	60	60	81	68	81	.545	.532	.542	.42	.34	5.4	5.1	2.8	5.3
October	29.987	30.330	29.290	52.1	56.4	54.2	59.3	49.0	54.2	73	39	45	44	46	79	66	76	.318	.311	.320	4.16	1.88	5.6	5.6	4.8	5.4
November	30.121	30.720	29.050	44.5	47.3	46.2	50.0	41.2	45.6	61	20	39	40	40	82	77	82	.258	.268	.266	3.51	1.73	6.0	6.4	5.8	6.6
December	29.971	30.600	29.310	34.8	36.6	36.5	40.3	31.0	35.6	56	10	28	30	29	76	77	76	.163	.171	.167	3.53	1.21	6.1	6.0	5.8	6.3
Year	29.967	30.760	28.920	49.8	53.6	50.6	57.0	45.6	51.3	88	5	43	44	44	80	73	80	.332	.342	.336	31.75	1.95	5.3	5.6	4.8	5.5

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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	27.246	27.930	26.760	15.3	22.1	21.7	25.5	10.3	17.9	57	−17	11	14	13	85	72	72	0.077	0.086	0.084	2.18	0.68	5.8	7.4	7.6	7.5
February	27.215	27.530	26.680	35.8	43.7	44.2	48.0	32.7	40.4	66	22	31	33	32	83	67	64	.171	.186	.178	2.63	1.11	7.6	7.5	7.7	8.1
March	27.163	27.560	26.635	36.1	48.6	52.3	54.3	34.3	44.3	70	24	27	29	29	75	48	44	.159	.161	.160	1.59	.63	5.7	6.4	6.6	6.3
April	27.114	27.530	26.830	46.3	62.5	64.9	68.0	43.1	55.6	83	33	35	35	34	68	39	35	.210	.211	.198	2.04	.80	5.9	5.9	6.5	6.0
May	27.054	27.510	26.720	47.0	62.1	64.1	67.3	44.4	55.8	90	34	38	38	37	74	44	40	.232	.230	.223	1.68	.52	6.7	6.5	7.2	6.7
June	27.125	27.420	26.888	51.1	72.8	77.4	79.2	49.6	64.4	94	36	38	34	34	64	26	22	.237	.199	.196	.20	.09	3.1	3.5	4.0	3.4
July	27.120	27.330	26.850	61.8	84.3	90.0	91.5	60.5	76.0	104	49	42	42	41	49	24	19	.268	.277	.267	T.	T.	3.7	2.6	3.0	3.0
August	27.136	27.320	26.927	63.1	82.0	85.8	88.3	61.3	74.8	98	48	47	47	47	58	33	29	.336	.340	.343	.78	.74	4.6	4.5	5.3	4.6
September	27.107	27.450	26.760	52.4	71.1	72.3	76.6	49.7	63.2	90	37	39	41	40	63	35	34	.242	.257	.253	.96	.42	4.1	4.5	4.9	4.4
October	27.209	27.610	26.680	41.4	56.6	57.4	60.9	38.4	49.6	72	29	35	37	37	78	48	48	.211	.226	.230	.87	.66	4.0	4.8	4.5	4.6
November	27.357	27.910	26.390	30.1	42.8	41.7	47.2	27.0	37.1	70	15	25	27	28	82	56	59	.138	.150	.154	.99	.63	4.5	6.6	5.0	5.3
December	27.480	27.800	27.160	19.3	27.9	28.1	31.5	16.3	23.9	41	4	18	20	21	92	70	72	.097	.109	.112	.54	.24	4.2	6.1	5.9	5.7
Year	27.194	27.930	26.390	41.6	56.4	58.3	61.5	39.0	50.2	104	−17	32	33	33	73	47	45	.198	.203	.200	14.46	1.11	5.0	5.5	5.7	5.5

BOSTON, MASS.

[ϕ=42° 21′ N.; λ=71° 4′ 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	30.080	30.726	29.480	29.0	34.0	32.7	39.3	24.3	31.8	64	8	21	25	24	72	70	69	0.136	0.155	0.144	2.77	0.77	6.7	8.7	6.1	7.0
February	29.913	30.450	29.370	30.1	37.4	35.1	43.1	25.1	34.1	68	−1	22	23	23	70	56	62	.135	.149	.146	2.23	1.07	5.9	3.9	4.6	4.7
March	29.608	30.236	28.860	34.4	41.3	39.7	45.9	30.7	38.3	60	19	22	24	27	61	52	62	.133	.137	.135	3.02	1.09	4.0	4.8	3.9	4.8
April	29.858	30.510	28.990	44.0	52.1	48.4	56.9	38.3	47.6	78	29	30	30	31	59	44	53	.180	.177	.184	2.08	1.06	4.2	5.4	3.8	4.6
May	29.804	30.230	29.480	57.2	63.2	59.9	66.3	50.5	59.4	95	45	44	45	45	63	55	62	.291	.309	.309	3.39	1.06	5.3	5.4	5.5	5.8
June	29.818	30.240	29.300	69.8	78.2	72.5	81.9	62.8	72.4	95	45	59	59	62	69	56	71	.508	.527	.559	2.24	.76	5.2	6.0	4.5	5.3
July	29.755	30.030	29.430	70.9	77.2	73.2	80.7	64.6	72.6	94	58	59	59	61	68	56	68	.510	.517	.551	3.36	1.16	4.5	5.3	5.5	5.4
August	29.871	30.196	29.550	67.8	75.0	71.0	78.4	62.6	70.5	98	53	58	57	60	72	57	69	.486	.477	.521	3.03	1.90	3.6	5.8	4.8	5.2
September	29.840	30.217	29.510	64.8	74.4	69.2	78.5	60.3	69.4	91	49	56	55	56	73	52	64	.462	.460	.467	.26	.13	5.2	4.5	3.5	4.7
October	29.901	30.230	29.140	48.8	57.4	54.0	60.5	45.5	53.0	87	34	42	43	44	77	61	71	.275	.288	.303	5.83	2.35	5.5	5.1	4.7	5.2
November	30.015	30.600	28.850	41.3	48.3	46.0	51.9	38.2	45.0	71	16	34	36	36	74	63	70	.214	.232	.237	4.09	1.72	6.2	5.7	4.7	5.7
December	29.873	30.525	29.230	30.6	35.4	34.5	39.5	26.9	33.2	58	4	23	26	26	73	68	71	.132	.146	.146	2.99	1.37	7.0	6.0	5.8	5.9
Year	29.861	30.726	28.850	49.1	56.2	53.0	60.4	44.2	52.3	98	−1	39	40	41	69	58	66	.288	.298	.310	35.29	3.35	5.3	5.2	4.8	5.4

Annual meteorological summary for the year ending December 31, 1930—Continued

BISMARCK, N. DAK.

[H_b=1,674 ft.; h_t=8 ft.; h_r=3 ft.; h_a=57 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: Days with 33 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: Thunderstorm	Electricity: Aurora
	Miles		*Mi.*																									
January	7.6	NW.	25	NW.	0	9	6	5	4	2	1	8	26	1	10	12	9	6	1	17	6	0	0	31	0	31	0	0
February	7.9	NW.	30	NW.	0	5	4	7	10	2	3	3	21	1	8	15	5	10	10	9	8	0	2	11	0	24	0	2
March	9.6	NW.	34	NW.	1	15	4	3	6	7	1	2	24	0	12	12	7	0	0	7	0	0	0	10	0	30	0	0
April	8.6	SE.	35	N.	1	9	2	15	15	6	3	2	6	2	14	5	11	6	5	1	1	0	1	0	0	6	0	0
May	10.8	N.	34	NW.	1	14	3	5	11	8	3	2	16	0	12	8	11	9	7	1	1	0	0	0	0	3	2	4
June	10.5	NW.	54	SW.	2	9	6	6	9	8	4	8	10	0	14	11	5	9	9	0	0	1	1	0	0	0	6	0
July	7.1	E.	36	NW.	1	12	3	11	13	6	2	2	11	2	22	7	2	8	6	0	0	1	0	0	15	0	5	1
August	6.5	E.	35	NW.	1	8	6	19	9	5	4	2	7	2	12	10	9	9	7	0	0	1	0	0	11	0	5	0
September	7.9	NW.	38	W.	1	6	2	16	7	3	3	4	19	0	15	10	5	7	6	0	0	1	0	0	0	4	4	2
October	8.6	NW.	42	NW.	1	6	6	10	11	2	0	7	16	4	13	6	12	11	8	5	0	0	3	5	0	14	1	0
November	8.8	NW.	42	NW.	3	15	3	8	5	4	3	3	18	1	14	5	11	6	3	9	6	0	0	7	0	27	0	0
December	7.5	NW.	36	NW.	1	8	2	8	5	11	3	2	19	4	12	6	13	3	3	16	3	0	2	18	0	31	0	0
Year	8.4	NW.	54	SW.	13	116	47	113	105	64	30	45	193	17	158	107	100	84	65	65	25	4	9	82	26	170	23	9

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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	16.1	W.	44	N.	9	8	7	7	3	8	8	9	12	0	8	8	15	10	7	5	3	0	11	8	0	20	0	0
February	16.0	SW.	56	NW.	4	8	3	3	2	10	10	10	10	0	10	12	6	12	10	8	5	0	4	4	0	21	4	1
March	18.9	W.	58	W.	13	0	3	7	2	7	12	24	7	0	14	7	10	9	8	3	2	0	6	2	0	13	1	0
April	15.8	W.	46	NW.	6	2	2	5	10	4	13	11	12	1	10	11	9	10	7	1	0	0	6	0	0	2	1	0
May	14.9	SW.	43	E.	5	4	3	9	1	6	17	13	9	0	8	15	8	9	5	0	0	0	5	0	0	0	6	2
June	13.9	SW.	36	SW.	1	0	0	5	7	14	17	15	2	0	8	11	11	8	6	0	0	0	13	0	0	0	3	0
July	11.2	SW.	26	SW.	0	5	6	6	0	14	17	11	3	0	10	12	9	9	7	0	0	0	5	0	0	0	7	1
August	11.2	SW.	48	NE.	1	3	11	4	10	7	16	6	5	0	10	16	5	7	7	0	0	0	10	0	0	0	7	0
September	11.6	SW.	30	W.	0	3	3	2	1	19	17	8	7	0	8	15	7	4	2	0	0	0	10	0	0	0	4	1
October	15.2	N.	50	NW.	7	13	16	2	2	4	5	9	10	1	12	8	11	8	7	0	0	0	6	0	0	0	0	1
November	16.4	SW.	46	W.	12	9	9	4	0	8	14	11	5	0	5	11	14	12	10	3	2	0	4	1	0	4	1	0
December	17.9	W.	54	NW.	11	10	11	3	0	1	13	14	10	0	11	4	16	11	9	5	5	0	0	3	0	16	0	0
Year	14.9	W.	58	W.	69	65	74	57	38	102	159	141	92	2	114	130	121	109	85	25	17	0	80	18	0	76	34	6

BOISE, IDAHO

[H_b=2,739 ft.; h_t=79 ft.; h_r=72 ft.; h_a=87 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	3.9	NW.	25	SE.	0	9	3	3	15	4	2	7	18	1	4	7	20	18	13	20	18	0	4	22	0	30	0	0
February	4.0	SE.	22	SE.	0	8	3	8	15	5	0	5	8	4	1	6	21	12	10	8	3	4	7	0	0	11	0	0
March	5.0	SE.	22	SE.	0	9	0	6	17	3	0	8	17	2	9	7	15	4	3	2	1	1	2	0	0	11	1	0
April	4.0	SE.	19	SW.	0	6	2	3	13	8	1	7	16	4	7	12	11	9	7	1	1	1	0	0	0	0	1	0
May	5.2	NW.	29	SE.	0	11	1	3	13	4	4	6	19	1	3	14	14	12	10	1	0	1	0	0	1	0	5	0
June	5.1	NW.	20	NW.	0	5	0	5	15	5	0	8	18	4	18	8	4	4	2	0	0	0	0	0	5	0	0	0
July	4.4	NW.	16	SE.	0	6	1	3	18	4	0	7	20	3	20	6	5	0	0	0	0	0	0	0	19	0	1	0
August	4.0	NW.	16	SE.	0	9	0	3	15	7	2	8	14	4	12	13	6	3	1	0	0	0	0	0	12	0	7	0
September	3.3	NW.	14	NW.	0	11	0	0	13	3	1	4	22	6	16	4	10	7	4	0	0	0	1	0	0	0	2	0
October	3.4	SE.	21	NW.	0	6	0	5	15	4	0	7	19	6	11	13	7	6	6	0	0	0	0	0	0	7	1	0
November	3.3	SE.	20	SE.	0	6	3	9	13	4	0	5	15	5	7	17	6	6	5	5	3	0	0	2	0	19	0	0
December	2.6	SE.	14	SE.	0	12	1	5	16	6	0	1	13	8	7	14	10	5	5	10	4	0	1	17	0	31	0	0
Year	4.0	SE.	29	SE.	0	98	14	53	178	57	10	73	199	48	115	121	129	86	66	47	30	7	15	41	37	109	18	0

BOSTON, MASS.

[H_b=125 ft.; h_t=106 ft.; h_r=96 ft.; h_a=165 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	7.4	NW.	27	NW.	0	6	3	3	2	3	17	12	16	0	7	7	17	11	7	10	7	0	2	12	0	21	0	0
February	8.1	NW.	34	NW.	1	4	0	2	0	9	13	8	20	0	14	8	6	12	9	10	7	0	3	6	0	22	0	0
March	9.0	NW.	26	NW.	0	2	3	5	3	1	13	13	22	0	12	12	7	11	8	3	1	0	6	1	0	15	1	0
April	8.6	NW.	26	S.	0	1	2	5	4	7	8	10	23	0	11	13	6	6	6	1	0	0	0	0	0	5	0	0
May	7.7	NW.	36	NW.	1	5	2	6	4	2	14	7	22	0	8	11	12	11	10	0	0	0	0	0	2	0	4	3
June	7.3	SW.	26	W.	0	3	1	3	6	4	26	10	7	0	11	11	8	11	9	0	0	0	3	0	6	0	3	1
July	6.4	NW.	20	SW.	0	4	6	1	4	7	15	13	11	1	11	9	11	8	7	0	0	0	0	0	3	0	8	0
August	6.0	SW.	20	E.	0	4	5	8	4	12	13	7	9	0	8	18	5	8	5	0	0	0	1	0	3	0	6	0
September	6.4	SW.	20	SW.	0	8	1	1	1	3	17	14	15	0	9	18	3	3	3	0	0	0	1	0	1	0	1	1
October	7.4	NW.	30	N.	0	9	5	6	5	2	8	7	20	0	13	8	10	10	8	1	0	0	0	0	0	0	0	0
November	7.4	SW.	26	NW.	0	4	5	7	1	6	14	13	10	0	9	10	11	13	9	1	1	0	1	1	0	6	0	1
December	7.9	NW.	26	NW.	0	12	5	2	1	3	10	15	14	0	12	4	15	8	7	9	2	0	0	4	0	21	0	0
Year	7.5	NW.	36	NW.	2	62	38	49	35	59	168	129	189	1	125	129	111	112	88	35	18	0	17	24	15	90	23	6

Annual meteorological summary for the year ending December 31, 1930—Continued

BROKEN ARROW, OKLA.

[ϕ=36° 2′ 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	Temperature: Dew point: 8 a. m.	Temperature: Dew point: Noon, local time	Temperature: 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	29.399	29.850	28.770	19.8	26.2	----	32.4	14.6	23.5	65	−12	17	19	---	88	76	---	0.109	0.118	----	3.53	1.17	6.1	6.9	----	6.7
February	29.196	29.650	28.810	42.7	54.1	----	59.2	39.7	49.4	76	29	39	42	---	87	66	---	.252	.281	----	2.46	1.06	5.7	5.6	----	5.4
March	29.152	29.810	28.382	38.5	53.2	----	58.5	36.5	47.5	73	20	31	34	---	74	49	---	.185	.211	----	.35	.34	4.0	5.1	----	4.5
April	29.157	29.420	28.779	55.4	69.5	----	74.3	52.5	63.4	88	42	47	49	---	76	54	---	.341	.374	----	3.14	1.34	6.6	5.1	----	5.4
May	29.142	29.600	28.580	60.6	71.3	----	74.7	56.9	65.8	82	49	57	58	---	87	65	---	.470	.502	----	6.79	2.29	4.9	4.5	----	4.6
June	29.131	29.410	28.910	68.4	79.6	----	83.2	64.4	73.8	92	52	62	63	---	81	59	---	.571	.595	----	5.60	1.97	4.2	4.4	----	4.4
July	29.190	29.384	29.000	74.3	89.6	----	93.1	70.6	81.8	104	57	64	65	---	73	46	---	.615	.629	----	2.57	2.25	3.4	3.5	----	3.3
August	29.182	29.400	28.910	72.2	90.1	----	94.6	69.8	82.2	105	60	64	61	---	77	41	---	.605	.552	----	1.34	.49	4.6	4.0	----	4.0
September	29.143	29.400	28.600	66.4	82.6	----	87.4	64.2	75.8	101	47	61	61	---	84	50	---	.556	.556	----	3.52	1.82	4.8	3.9	----	4.6
October	29.245	29.750	28.813	52.0	65.4	----	68.7	49.9	59.3	86	29	49	49	---	88	57	---	.370	.375	----	2.62	1.83	5.3	4.6	----	4.8
November	29.281	29.760	28.570	40.4	56.2	----	60.5	37.6	49.0	80	26	36	43	---	84	63	---	.230	.297	----	3.39	1.71	3.1	3.5	----	3.3
December	29.329	29.670	29.030	33.1	43.9	----	47.6	31.3	39.4	63	22	31	37	---	92	78	---	.176	.226	----	3.01	2.08	4.0	4.1	----	4.5
Year	29.212	29.850	28.382	52.0	65.1	----	69.5	49.0	59.2	105	−12	46	48	---	83	59	---	.373	.393	----	38.32	2.29	4.7	4.6	----	4.6

BROWNSVILLE, TEX.

[ϕ=26° 00′ N.; λ=97° 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	Temperature: Dew point: 8 a. m.	Temperature: Dew point: Noon, local time	Temperature: 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	30.087	30.630	29.650	50.4	57.4	55.3	61.5	46.1	53.8	78	24	46	48	50	83	73	81	0.353	0.379	0.388	0.56	0.16	7.3	8.8	7.9	8.5
February	29.996	30.330	29.560	60.3	72.7	67.0	75.1	58.2	66.6	83	46	58	58	58	93	62	75	.502	.498	.507	1.09	.92	4.5	5.5	4.8	5.3
March	29.913	30.440	29.380	59.8	69.8	65.2	72.6	56.4	64.5	86	38	55	54	55	86	61	72	.467	.454	.466	1.41	.59	5.5	7.0	7.3	6.8
April	29.900	30.150	29.620	66.7	80.5	74.6	82.3	65.3	73.8	93	56	65	62	64	93	56	72	.614	.570	.607	3.09	2.15	4.5	5.5	5.9	5.0
May	29.835	30.150	29.550	74.8	82.3	78.0	83.9	73.3	78.6	92	67	72	71	72	92	70	83	.795	.769	.794	5.07	1.82	7.1	7.5	8.3	7.6
June	29.854	30.020	29.660	76.3	84.9	81.2	87.1	74.4	80.8	95	67	73	72	72	90	65	75	.822	.774	.797	3.01	1.17	3.2	5.3	3.4	3.9
July	29.928	30.052	29.790	77.7	88.7	84.4	90.6	76.0	83.3	95	72	74	70	72	89	55	66	.848	.737	.773	.42	.29	2.2	5.3	2.5	3.7
August	29.906	30.060	29.766	76.8	90.1	84.5	91.9	75.8	83.8	96	71	73	68	71	89	49	64	.823	.682	.762	.53	.36	2.8	4.3	3.0	2.9
September	29.837	30.020	29.680	75.6	88.7	82.4	90.7	74.6	82.6	94	65	72	68	73	90	52	73	.798	.700	.803	2.80	1.05	2.9	5.1	2.7	4.4
October	29.888	30.430	29.550	70.9	79.9	75.4	82.4	68.7	75.6	89	51	68	66	68	89	65	80	.695	.662	.705	9.36	3.35	6.5	7.6	5.9	7.0
November	30.034	30.380	29.550	62.0	69.8	66.2	71.7	59.7	65.7	83	45	58	57	59	86	66	78	.496	.491	.521	5.95	2.74	7.5	7.7	7.0	7.0
December	30.088	30.420	29.750	53.4	62.7	59.0	65.5	50.9	58.2	81	36	49	49	51	85	63	75	.364	.374	.390	.42	.16	7.3	7.6	6.6	7.1
Year	29.936	30.630	29.380	67.1	77.3	72.8	79.6	65.0	72.3	96	24	64	62	64	89	61	74	.631	.591	.626	33.71	3.35	5.1	6.4	5.4	5.8

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	Temperature: Dew point: 8 a. m.	Temperature: Dew point: Noon, local time	Temperature: 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	29.302	29.890	28.730	22.5	25.3	25.2	31.7	17.6	24.6	56	1	19	20	21	85	81	82	0.113	0.123	0.125	6.23	1.64	8.9	8.0	7.8	7.8
February	29.179	29.570	28.780	27.4	30.2	30.1	36.6	21.5	29.0	66	−1	23	25	25	82	81	82	.135	.150	.150	2.20	.60	7.6	7.2	5.9	7.1
March	28.946	29.700	28.240	28.4	31.9	30.7	35.9	24.1	30.0	50	13	22	25	25	78	76	78	.122	.138	.136	3.34	.72	7.1	6.9	6.0	7.0
April	29.170	29.540	28.400	39.3	44.4	42.3	49.8	33.0	41.4	72	23	31	34	34	71	67	72	.177	.202	.198	1.29	.32	6.2	5.9	6.2	6.1
May	29.161	29.470	28.750	52.4	55.6	55.9	62.2	46.0	54.1	83	35	45	47	46	77	75	71	.305	.335	.321	1.17	.34	4.9	5.6	5.5	5.0
June	29.106	29.467	28.715	63.8	65.7	67.2	72.2	59.2	65.7	84	47	57	58	59	79	78	76	.469	.495	.503	3.31	.59	4.4	5.1	5.2	4.8
July	29.117	29.433	28.730	66.8	71.7	71.8	75.9	61.8	68.8	88	51	58	61	61	75	70	70	.490	.538	.546	2.02	.88	4.2	4.4	3.7	4.5
August	29.185	29.490	28.970	65.8	71.1	70.3	75.6	61.8	68.7	85	50	59	62	62	79	74	77	.498	.562	.572	.69	.22	4.6	5.2	5.8	5.4
September	29.145	29.420	28.720	62.0	68.4	65.9	71.4	58.4	64.9	83	42	54	60	59	77	75	79	.438	.530	.513	1.56	.69	3.6	4.3	4.5	4.4
October	29.245	29.620	28.830	47.7	53.7	51.6	58.3	44.5	51.4	78	29	41	44	44	80	70	75	.279	.312	.306	1.79	.64	5.8	6.3	5.5	6.0
November	29.249	29.770	28.440	40.4	44.9	42.9	48.8	36.6	42.7	67	13	34	36	36	79	70	77	.216	.225	.228	1.16	.56	6.7	6.4	5.6	6.3
December	29.172	29.750	28.660	28.3	30.4	29.9	33.7	24.9	29.3	46	5	24	25	24	82	79	79	.133	.138	.134	1.93	.34	8.3	9.0	7.7	8.9
Year	29.165	29.890	28.240	45.4	49.4	48.6	54.3	40.8	47.6	88	−1	39	41	41	79	75	76	.281	.312	.311	26.69	1.64	6.0	6.2	5.8	6.1

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	Temperature: Dew point: 8 a. m.	Temperature: Dew point: Noon, local time	Temperature: 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	29.740	30.440	29.175	18.2	21.8	----	28.3	12.2	20.2	51	−9	14	16	---	83	77	---	0.097	0.104	----	2.56	1.22	8.3	7.5	----	8.4
February	29.599	30.143	29.140	17.9	24.1	----	29.8	11.9	20.8	56	−16	13	16	---	80	71	---	.093	.107	----	.48	.14	5.9	6.7	----	6.6
March	29.314	30.020	28.600	25.4	31.3	----	36.5	21.0	28.8	49	1	18	21	---	71	64	---	.105	.116	----	3.62	.88	5.7	6.7	----	6.5
April	29.534	30.120	28.550	38.4	45.8	----	50.6	30.8	40.7	71	20	28	28	---	67	52	---	.162	.164	----	2.10	.96	6.6	7.0	----	6.6
May	29.506	29.921	29.050	54.1	60.4	----	64.8	47.1	56.0	86	39	45	45	---	72	60	---	.308	.309	----	5.18	1.29	7.2	7.8	----	7.4
June	29.474	29.899	28.970	67.0	73.7	----	77.8	59.9	68.8	88	37	58	60	---	74	63	---	.498	.524	----	3.90	1.06	6.4	6.7	----	6.8
July	29.449	29.770	29.130	66.1	72.8	----	76.8	57.5	67.2	87	47	59	58	---	78	61	---	.505	.493	----	3.07	.69	6.3	5.8	----	6.2
August	29.557	29.907	29.240	63.1	71.5	----	75.5	55.7	65.6	85	43	56	56	---	79	60	---	.459	.464	----	1.61	.49	5.3	5.9	----	6.2
September	29.522	29.876	29.150	59.5	67.3	----	71.1	52.1	61.6	85	33	52	50	---	77	56	---	.407	.390	----	1.85	.65	7.3	5.0	----	6.7
October	29.623	30.000	29.140	43.9	54.0	----	57.2	39.0	48.1	79	28	39	40	---	84	61	---	.248	.265	----	2.48	1.06	6.9	6.0	----	6.3
November	29.676	30.223	28.600	35.9	42.8	----	46.0	31.9	39.0	61	4	30	31	---	78	64	---	.177	.189	----	1.82	.85	7.9	7.1	----	7.5
December	29.564	30.270	28.880	23.1	27.0	----	30.5	18.7	24.6	41	−7	20	21	---	86	77	---	.111	.117	----	.82	.30	9.1	8.5	----	8.8
Year	29.546	30.440	28.550	42.7	49.4	----	53.7	36.5	45.1	88	−16	36	37	---	77	64	---	.264	.270	----	29.49	1.29	6.9	6.7	----	7.0

Annual meteorological summary for the year ending December 31, 1930—Continued

BROKEN ARROW, OKLA.

[H_b=765 ft.; h_t=11 ft.; h_r=4 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 33 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorm	Aurora
	Miles		*Mi.*																									
January	11.4	N.	33	S.	1	12	2	0	3	7	3	1	3	0	8	6	17	12	12	7	5	0	2	16	0	29	2	0
February	12.2	S.	38	NE.	1	3	1	1	2	11	5	3	2	0	9	10	9	4	4	0	0	0	3	0	0	6	2	0
March	13.8	NW.	37	SW.	2	7	0	0	4	6	1	6	7	0	12	13	6	3	2	3	0	0	1	0	0	11	0	0
April	12.5	S.	44	S.	2	3	7	2	4	9	3	1	1	0	9	12	9	10	6	0	0	1	1	0	0	0	6	0
May	12.3	S.	44	NW.	5	5	4	2	7	11	1	0	1	0	14	8	9	11	10	0	0	0	0	0	0	0	9	0
June	11.6	S.	30	NW.	0	2	3	1	6	12	4	2	0	0	14	10	6	9	8	0	0	0	0	0	5	0	3	0
July	9.1	SW.	42	NW.	1	3	4	2	3	9	7	2	1	0	18	8	5	2	2	0	0	0	0	0	23	0	4	0
August	7.9	SW.	31	E.	0	0	7	3	2	8	10	1	0	0	15	13	3	6	5	0	0	0	0	0	27	0	10	0
September	10.8	S.	66	NW.	3	3	3	1	4	13	4	0	1	1	12	9	9	7	4	0	0	1	0	0	11	0	9	0
October	10.4	SE.	34	N.	1	3	4	0	8	7	2	1	6	0	14	5	12	6	4	0	0	0	0	0	0	1	2	0
November	11.9	S.	54	S.	3	4	2	1	4	9	4	2	4	0	19	6	5	5	4	1	0	0	1	0	0	8	1	0
December	10.1	NW.	30	N.	0	7	2	0	3	5	4	7	3	0	15	6	10	8	8	2	2	0	0	1	0	20	0	0
Year	11.2	S.	66	NW.	19	52	39	13	50	107	48	26	29	1	159	106	100	83	69	13	7	2	8	17	66	75	48	0

BROWNSVILLE, TEX.

[H_b=57 ft.; h_t=83 ft.; h_r=74 ft.; h_a=100 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	10.5	NW.	33	S.	1	16	2	3	16	2	0	2	21	0	1	8	22	10	7	0	0	0	7	0	0	5	0	0
February	10.8	SE.	34	N.	2	4	4	8	30	5	1	0	4	0	8	12	8	4	2	0	0	0	6	0	0	0	2	0
March	10.5	SE.	37	N.	1	11	6	12	16	4	2	1	10	0	7	6	18	9	7	0	0	0	2	0	0	0	1	0
April	10.0	SE.	26	SE.	0	0	5	28	22	0	1	0	4	0	8	15	7	3	3	0	0	0	2	0	0	2	0	3
May	11.7	SE	32	SE.	0	4	11	14	27	1	0	1	4	0	2	11	18	10	7	0	0	0	0	0	2	0	4	0
June	8.7	E.	23	SE.	0	1	1	31	20	2	0	2	3	0	16	11	3	11	8	0	0	0	1	0	6	0	1	0
July	8.1	SE.	20	SE.	0	1	0	21	33	5	0	1	1	0	15	14	2	7	2	0	0	0	0	0	23	0	7	0
August	9.4	SE.	26	SE.	0	3	3	9	36	5	1	2	3	0	21	9	1	2	2	0	0	0	0	0	27	0	2	0
September	9.1	SE.	38	N.	1	6	7	9	25	4	0	4	4	1	13	13	4	8	7	0	0	0	0	0	19	0	5	0
October	8.6	E.	38	NW.	1	8	12	19	10	2	0	1	10	0	1	14	16	13	10	0	0	0	0	0	0	0	3	0
November	9.0	NW.	36	SE.	1	7	7	4	9	5	0	11	17	0	6	10	14	11	10	0	0	0	1	0	0	0	0	0
December	7.8	NW.	28	SE.	0	13	3	10	6	5	0	5	20	0	6	7	18	9	4	0	0	0	1	0	0	0	2	0
Year	9.5	SE.	38	N.	7	74	61	168	250	40	5	30	101	1	104	130	131	97	69	0	0	0	20	0	79	5	30	0

BUFFALO, N. Y.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	17.3	W.	54	W.	14	4	3	8	5	4	14	20	3	1	3	9	19	25	20	20	16	0	0	19	0	25	0	0
February	15.3	SW.	58	SW.	11	2	2	4	6	5	21	12	4	0	6	8	14	17	11	18	13	0	1	14	0	21	2	0
March	17.5	W.	44	W.	13	4	4	5	2	6	14	18	9	0	5	8	18	17	12	20	14	0	0	9	0	30	2	0
April	14.1	W.	42	SW.	5	2	2	10	4	9	14	11	8	0	9	7	14	11	9	6	4	0	1	1	0	14	0	0
May	15.2	SW.	52	SW.	8	1	1	6	3	6	19	16	10	0	11	10	10	10	7	0	0	1	0	0	0	0	2	2
June	14.2	SW.	60	W.	10	1	1	4	2	5	32	13	2	0	15	4	11	11	9	0	0	0	0	0	0	0	7	0
July	11.0	SW.	39	W.	3	7	5	3	2	4	16	15	10	0	10	15	6	9	6	0	0	0	0	0	0	0	6	0
August	10.7	SW.	38	SW.	2	4	5	8	4	5	17	9	10	0	10	12	9	6	5	0	0	0	0	0	0	0	4	0
September	13.7	SW.	62	SW.	6	0	8	3	4	7	24	7	7	0	12	11	7	8	4	0	0	0	0	0	0	0	3	3
October	11.2	W.	44	NW.	6	2	7	8	12	3	9	12	8	1	8	9	14	10	7	6	2	0	2	0	0	6	1	0
November	16.6	SW.	58	W.	12	0	0	7	7	7	19	11	9	0	5	12	13	8	5	9	5	0	0	4	0	9	0	0
December	15.3	W.	60	W.	10	2	7	5	5	1	16	14	12	0	0	5	26	19	14	20	13	0	0	14	0	23	0	0
Year	14.3	SW.	62	SW.	100	29	45	71	56	62	215	158	92	2	94	110	161	151	109	99	67	1	4	61	0	128	27	5

BURLINGTON, VT.

[H_b=403 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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	12.4	S.	39	S.	5	6	1	0	3	13	3	1	4	0	2	6	23	14	7	16	9	0	0	19	0	28	0	1
February	10.7	S.	39	S.	4	6	2	1	1	13	1	0	4	0	7	6	15	11	6	13	9	0	3	16	0	24	0	1
March	9.1	NW.	46	S.	2	2	2	2	4	8	1	1	11	0	6	11	14	10	10	17	9	0	2	6	0	31	0	0
April	9.7	S.	34	S.	2	5	1	0	3	12	1	3	5	0	9	3	18	11	8	7	5	0	2	2	0	20	0	0
May	8.0	S.	31	S.	0	7	0	0	2	15	2	0	5	0	5	9	17	20	16	0	0	0	0	0	0	0	3	1
June	9.0	S.	31	SE.	0	1	0	0	2	17	7	1	2	0	4	15	11	11	10	0	0	0	0	0	0	0	6	0
July	6.5	S.	28	S.	0	5	1	0	1	16	1	1	5	1	7	11	13	15	12	0	0	0	1	0	0	0	11	1
August	6.6	S.	24	SW.	0	5	2	0	5	13	2	0	4	0	8	8	15	15	10	0	0	0	1	0	0	0	8	0
September	7.3	S.	26	S.	0	4	3	1	1	13	3	2	3	0	4	13	13	13	11	0	0	0	0	0	0	0	5	0
October	6.6	N.	26	N.	0	3	3	5	7	10	1	0	2	0	9	6	16	8	6	2	1	0	0	0	0	8	1	0
November	10.6	S.	40	S.	2	3	1	1	5	12	3	1	4	0	5	5	20	11	5	7	3	0	5	3	0	14	0	0
December	9.6	S.	36	S.	1	6	2	1	5	9	6	0	2	0	0	6	25	11	6	23	9	0	1	16	0	29	0	0
Year	8.8	S.	46	S.	16	53	18	11	39	151	31	10	51	1	66	99	200	150	107	85	45	0	15	62	0	154	34	4

Annual meteorological summary for the year ending December 31, 1930—Continued

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
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.865	30.310	29.210	27.7	32.6	32.5	38.0	23.1	30.6	64	−8	22	24	24	80	69	70	0.149	0.150	0.150	9.44	1.84	6.6	6.6	6.5	6.6
February	29.703	30.055	29.180	42.8	51.2	50.8	55.9	40.0	48.0	74	20	36	40	38	78	66	64	.232	.264	.251	2.53	1.14	5.6	6.9	5.8	6.6
March	29.555	30.010	28.850	40.0	50.4	50.5	55.9	37.7	46.8	71	22	34	36	34	78	59	55	.204	.215	.211	2.54	1.00	5.7	4.6	5.4	5.2
April	29.662	29.970	29.370	54.9	66.1	66.6	71.1	53.2	62.2	87	40	43	43	44	66	46	46	.294	.294	.300	.79	.37	6.5	5.9	5.0	5.6
May	29.641	30.030	29.320	62.7	72.4	72.9	76.9	60.0	68.4	86	51	56	54	55	78	56	56	.352	.441	.450	2.49	.98	5.7	6.1	4.0	5.3
June	29.595	29.890	29.350	70.2	82.4	81.3	86.0	66.2	76.1	99	54	60	57	60	70	43	50	.526	.494	.538	1.59	1.20	3.8	5.6	4.0	4.7
July	29.614	29.780	29.370	75.2	89.7	89.4	94.1	72.4	83.2	106	60	64	62	63	69	40	42	.618	.567	.588	.04	.03	4.0	3.9	3.7	4.0
August	29.640	29.870	29.440	70.9	85.6	84.1	89.8	69.0	79.4	106	61	61	58	60	71	42	47	.538	.495	.524	.76	.46	4.7	5.1	4.5	4.6
September	29.610	29.830	29.320	66.5	79.0	76.7	83.2	64.9	74.0	94	50	62	61	62	86	56	63	.576	.558	.569	2.65	1.32	6.5	6.0	5.8	6.2
October	29.725	30.180	29.360	51.4	63.8	61.2	67.3	50.0	58.6	84	32	46	45	47	82	53	61	.335	.330	.349	1.05	.49	4.9	4.4	4.5	4.5
November	29.757	30.250	29.120	44.0	51.5	50.8	56.2	41.1	48.6	79	21	39	39	39	83	65	67	.264	.265	.269	1.83	.71	5.2	6.6	5.6	5.8
December	29.764	30.170	29.390	32.5	39.1	38.8	43.4	30.6	37.0	62	19	28	30	30	83	70	70	.159	.168	.167	1.97	.78	5.7	6.3	4.7	5.9
Year	29.678	30.310	28.850	53.2	63.6	62.9	68.2	50.7	59.4	106	−8	46	46	46	77	55	58	.362	.353	.364	27.68	1.84	5.4	5.7	5.0	5.4

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	29.672	30.367	29.100	17.2	22.0	20.4	28.7	10.5	19.6	51	−23	14	17	...	89	79	...	0.098	0.105	...	3.98	1.27	8.2	7.4	...	7.5
February	29.546	30.061	29.110	16.3	23.6	20.6	28.7	8.9	18.8	56	−30	13	17	...	88	76	...	.098	.112	...	.50	.19	6.5	6.1	...	6.1
March	29.272	30.040	28.570	24.1	29.8	28.5	34.8	18.9	26.8	50	−7	19	21	...	81	70	...	.110	.120	...	4.38	2.08	6.5	6.6	...	6.7
April	29.501	30.010	28.584	37.9	45.8	41.9	50.4	29.8	40.1	74	18	30	31	...	74	56	...	.176	.187	...	2.18	.73	6.0	6.3	...	6.4
May	29.457	29.882	29.010	54.4	60.7	56.9	65.7	46.4	56.0	85	33	44	45	...	71	60	...	.310	.321	...	3.10	1.14	6.2	6.3	...	6.1
June	29.417	29.828	28.950	66.3	73.5	67.7	77.4	57.8	67.6	89	35	56	58	...	72	59	...	.467	.489	...	4.39	1.44	6.1	6.1	...	5.9
July	29.416	29.772	29.040	65.2	73.0	68.1	77.5	56.7	67.1	88	42	57	57	...	76	58	...	.472	.477	...	3.54	1.05	4.9	5.9	...	5.7
August	29.506	29.830	29.200	63.4	72.4	65.2	76.2	54.5	65.4	86	46	56	55	...	76	57	...	.446	.446	...	1.24	.55	5.3	5.5	...	5.7
September	29.474	29.771	29.070	58.3	67.5	60.2	71.2	50.8	61.0	86	34	51	50	...	78	55	...	.391	.382	...	1.51	.43	5.4	5.5	...	5.6
October	29.588	29.967	29.110	42.1	54.6	46.1	57.1	37.0	47.0	80	25	39	41	...	88	62	...	.245	.270	...	1.83	.77	5.8	6.0	...	5.7
November	29.608	30.108	28.594	36.1	43.0	38.4	46.6	31.0	38.8	64	1	31	32	...	81	66	...	.183	.196	...	1.55	.59	6.9	6.7	...	7.0
December	29.526	30.220	28.870	22.9	26.6	24.3	30.4	17.4	23.9	42	−8	20	22	...	90	80	...	.117	.121	...	.83	.15	8.6	8.2	...	8.4
Year	29.499	30.367	28.570	42.0	49.4	44.9	53.7	35.0	44.3	89	−30	36	37	...	80	65	...	.259	.269	...	29.03	2.08	6.4	6.4	...	6.4

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	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	30.213	30.750	29.750	41.1	46.7	42.7	50.6	36.5	43.6	74	24	38	39	37	88	76	81	0.242	0.264	0.238	4.48	1.13	5.5	6.2	4.0	6.8
February	30.093	30.530	29.490	42.2	50.8	46.2	55.4	37.4	46.4	84	20	36	37	39	79	62	77	.226	.240	.255	1.84	.82	3.8	4.2	2.3	3.8
March	29.846	30.440	29.140	45.0	51.3	46.4	55.8	38.2	47.0	77	23	36	36	38	72	59	74	.230	.226	.238	2.26	.76	4.9	4.3	2.9	4.7
April	30.018	30.460	29.310	52.9	58.1	53.5	62.4	46.9	54.6	89	38	44	44	45	74	64	76	.304	.311	.318	1.73	.65	3.3	4.1	4.7	5.2
May	30.000	30.320	29.630	66.8	73.2	67.0	77.4	59.8	68.6	93	53	57	57	55	71	58	68	.479	.474	.450	2.88	1.14	4.1	4.4	4.2	4.4
June	29.981	30.385	29.650	73.2	78.2	73.0	80.8	66.1	73.4	95	50	66	66	66	79	68	79	.648	.643	.640	6.68	3.88	4.6	4.0	3.6	4.6
July	29.925	30.170	29.690	78.1	84.1	77.8	86.5	70.6	78.6	102	64	70	69	70	77	63	77	.742	.723	.732	2.03	.72	3.8	4.0	5.0	4.5
August	29.978	30.280	29.740	74.7	80.0	74.3	82.4	68.5	75.4	96	60	66	66	67	75	64	78	.653	.644	.668	1.88	.99	4.6	4.6	3.9	4.6
September	29.986	30.287	29.700	74.7	81.1	75.0	83.4	70.3	76.8	97	62	68	67	67	79	63	78	.684	.669	.680	.48	.22	5.9	4.8	2.7	4.9
October	30.051	30.413	29.700	58.3	63.1	58.8	65.3	54.4	59.8	88	36	49	48	48	73	60	69	.371	.361	.362	1.59	.99	3.8	3.5	2.9	4.4
November	30.166	30.767	29.440	48.6	53.8	50.4	55.7	44.5	50.1	74	24	42	43	43	79	68	77	.298	.308	.311	.87	.23	4.6	4.4	3.9	6.1
December	30.052	30.650	29.530	38.5	43.3	40.9	46.2	35.2	40.7	62	21	34	35	34	83	73	77	.203	.209	.204	3.39	.90	6.5	5.9	3.9	6.1
Year	30.026	30.767	29.140	57.8	63.6	58.8	66.8	52.4	59.6	102	20	50	51	51	77	65	76	.423	.423	.424	30.11	3.88	4.6	4.5	3.8	5.0

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	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.099	29.650	28.380	3.0	12.1	9.1	17.1	−4.0	6.6	48	−31	1	5	6	89	72	84	0.052	0.059	0.061	1.41	0.73	5.4	4.3	4.9	4.8
February	28.871	29.440	28.420	25.2	34.3	32.6	38.0	21.2	29.6	61	−15	23	27	27	89	73	79	.134	.158	.160	.44	.18	5.3	6.5	6.2	5.8
March	28.840	29.300	28.480	26.7	38.7	36.6	43.0	24.5	33.8	74	3	21	21	23	77	48	57	.114	.118	.129	.90	.46	5.0	4.5	4.8	4.1
April	28.938	29.180	28.500	41.0	56.1	54.3	60.7	38.0	49.4	90	17	34	33	35	76	46	51	.307	.209	.222	3.47	1.50	4.3	4.0	4.6	4.1
May	28.877	29.312	28.240	54.4	64.4	62.5	68.8	48.2	58.5	87	32	47	47	47	76	55	60	.339	.341	.345	5.63	1.86	5.8	5.1	4.6	4.8
June	28.844	29.156	28.480	63.1	74.5	71.6	78.2	57.4	67.8	91	44	56	56	58	80	54	64	.464	.464	.496	9.30	3.92	4.8	5.8	5.1	4.6
July	28.910	29.200	28.650	68.8	82.8	81.2	86.9	63.1	75.0	99	49	60	60	62	75	47	54	.540	.534	.591	1.13	.39	4.0	3.1	2.8	3.2
August	28.981	29.240	28.670	64.7	80.6	77.1	84.2	60.7	72.4	101	50	58	55	58	78	44	54	.490	.459	.499	1.45	1.11	5.2	3.9	4.0	4.1
September	28.888	29.270	28.180	54.4	71.5	65.0	74.9	49.8	62.4	89	32	48	48	49	79	45	57	.349	.357	.359	2.48	1.19	2.6	2.7	3.2	2.8
October	28.989	29.510	28.640	41.8	52.8	49.3	56.4	39.7	48.0	86	18	38	39	40	84	61	69	.264	.279	.285	1.78	.83	5.8	5.7	4.8	5.9
November	28.937	29.510	27.990	32.0	44.7	39.7	49.0	27.9	38.4	69	−6	28	30	30	84	59	69	.171	.193	.191	1.76	.77	4.6	4.1	3.4	4.2
December	29.002	29.570	28.560	20.8	26.6	23.4	30.0	16.0	23.0	48	0	18	20	20	87	73	84	.103	.109	.111	.34	.15	6.1	5.6	4.9	6.0
Year	28.931	29.650	27.990	41.3	53.3	50.2	57.3	36.9	47.1	101	−31	36	37	38	81	56	65	.276	.273	.287	30.09	3.92	4.9	4.4	4.4	4.6

Annual meteorological summary for the year ending December 31, 1930—Continued

CAIRO, ILL.

[H_b=356 ft.; h_t=87 ft.; h_r=80 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 33 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorm	Aurora
	Miles		*Mi.*																									
January	8.9	N.	34	NW.	1	15	7	1	7	10	8	2	12	0	9	3	19	14	14	4	3	0	1	12	0	24	2	0
February	9.2	S.	32	N.	0	8	3	3	10	22	4	2	4	0	5	10	13	8	5	2	0	0	3	0	0	4	2	0
March	9.8	S.	29	NW.	0	5	7	2	5	14	8	10	10	1	10	9	12	7	4	2	2	0	0	0	0	6	1	0
April	7.8	S.	26	SW.	0	9	5	4	5	23	6	4	4	0	10	7	13	10	6	0	0	0	0	0	0	0	4	0
May	7.1	S.	31	SW.	0	10	4	6	11	16	9	2	4	0	11	8	12	10	6	0	0	0	0	0	0	0	5	0
June	6.3	S.	39	N.	1	8	4	4	12	14	6	3	9	0	12	12	6	7	4	0	0	0	0	0	8	0	6	0
July	6.1	S.	29	NE.	0	14	9	4	0	19	10	4	2	0	14	13	4	2	0	0	0	0	0	0	21	0	5	0
August	5.7	S.	23	N.	0	10	14	5	4	19	5	2	2	1	14	9	8	8	4	0	0	0	0	0	14	0	4	0
September	5.7	S.	30	SW.	0	9	10	8	5	15	5	3	4	1	8	7	15	8	6	0	0	0	1	0	3	0	7	0
October	5.8	N.	22	NW.	0	8	11	5	7	11	4	7	8	1	14	8	9	7	6	1	0	0	2	0	0	1	1	0
November	7.7	SE.	27	SE.	0	5	4	10	15	11	5	7	3	0	10	6	14	9	8	2	0	0	4	0	0	8	0	0
December	7.4	SW.	24	N.	0	3	5	4	6	12	13	4	15	0	8	10	13	11	7	8	6	0	1	0	0	20	0	0
Year	7.3	S.	39	N.	2	104	83	56	87	186	83	50	77	4	125	102	138	101	70	19	11	0	12	12	46	63	37	0

CANTON, N. Y.

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

January	10.0	SW.	31	SW.	0	5	1	2	2	5	10	4	2	0	2	12	17	20	12	19	14	0	1	20	0	28	0	1
February	8.7	SW.	34	SW.	1	2	5	2	0	3	4	10	2	0	7	9	12	12	6	15	8	0	2	15	0	24	0	0
March	10.2	W.	35	E.	2	3	1	5	1	4	7	6	4	0	8	7	16	15	12	21	11	0	0	12	0	31	0	2
April	8.6	SW.	38	SW.	1	1	3	4	1	2	6	7	6	0	4	15	11	12	9	7	5	0	1	1	0	20	1	3
May	9.2	SW.	36	SW.	1	1	2	6	0		14	4	4	0	6	13	12	16	12	0	0	0	0	0	0	0	3	4
June	8.4	SW.	29	W.	0	0	0	3	1	1	20	5	0	0	8	10	12	14	11	0	0	1	0	0	0	0	5	3
July	6.1	SW.	35	SW.	1	5	0	2	0	0	15	7	2	0	8	13	10	9	8	0	0	0	0	0	0	0	7	1
August	6.3	SW.	29	SW.	0	0	3	5	0	2	14	5	2	0	6	16	9	12	8	0	0	0	0	0	0	0	7	2
September	6.9	SW.	30	SW.	0	1	1	1	3	4	13	5	2	0	4	17	9	13	7	0	0	0	0	0	0	0	6	1
October	5.6	SW.	25	W.	0	2	1	5	0	5	11	5	1	1	10	10	11	9	7	4	3	0	3	0	0	11	0	5
November	8.8	SW.	31	SW.	0	3	2	4	0	6	7	7	1	0	6	9	15	12	6	9	6	0	1	5	0	14	0	0
December	7.9	SW.	30	SW.	0	3	4	5	0	1	11	5	1	1	2	5	24	16	7	21	14	0	1	12	0	30	0	0
Year	8.1	SW.	38	SW.	6	26	23	44	8	33	132	70	27	2	71	136	158	150	105	96	61	1	8	65	0	158	29	22

CAPE HENRY, VA.

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

January	12.2	N.	44	N.	6	14	11	2	9	10	12	1	3	0	6	9	16	14	12	3	3	0	7	1	0	13	0	0
February	10.0	SW.	44	N.	3	7	8	5	7	9	14	3	3	0	15	9	4	6	6	2	2	0	3	1	0	10	2	0
March	11.4	SW.	34	NW.	1	6	4	5	7	9	18	8	5	0	12	10	9	10	8	0	0	1	3	0	0	5	1	0
April	10.7	NE.	39	NW.	2	3	12	10	9	6	6	5	8	1	12	8	10	11	5	0	0	0	9	0	0	0	3	0
May	10.7	SW.	42	N.	1	10	2	4	6	15	16	5	4	0	13	9	9	7	6	0	0	0	1	0	2	0	4	0
June	8.4	SW.	38	N.	2	2	4	3	12	18	10	8	3	0	13	10	7	8	7	0	0	0	2	0	2	0	3	0
July	8.7	SW.	39	NE.	2	6	6	5	7	11	20	4	3	0	13	13	5	9	7	0	0	0	1	0	8	0	7	0
August	9.5	SW.	34	N.	2	3	12	8	9	11	10	6	2	1	15	11	5	6	5	0	0	0	1	0	5	0	3	0
September	9.2	SW.	42	NW.	1	1	7	10	8	11	18	4	1	0	10	14	6	6	4	0	0	0	2	0	8	0	5	0
October	13.3	NE.	45	NW.	4	9	23	1	1	4	11	3	9	1	17	6	8	8	6	0	0	0	2	0	0	0	0	0
November	11.7	NE.	54	NE.	4	10	12	5	3	11	9	4	6	0	10	6	14	13	7	0	0	0	7	0	0	4	0	0
December	13.1	NW.	45	N.	5	9	12	3	4	7	7	9	10	1	8	9	14	10	9	6	2	0	2	0	0	12	0	0
Year	10.7	SW.	54	NE.	33	80	113	61	82	122	151	60	57	4	144	114	107	108	82	11	7	1	40	2	25	44	28	0

CHARLES CITY, IOWA

[H_b=1,015 ft.; h_t=10 ft.; h_r=4 ft.; h_a=51 ft.]

January	5.7	NW.	18	SW.	0	5	3	2	15	1	6	10	17	3	13	9	9	9	6	16	9	0	0	26	0	31	0	0
February	6.2	SE.	22	NW.	0	2	0	2	22	2	4	12	11	1	8	8	12	9	4	8	6	0	1	8	0	23	0	0
March	8.1	NW.	25	W.	0	6	5	0	12	2	6	5	25	1	15	10	6	7	4	9	1	1	0	2	0	28	2	0
April	6.9	SE.	19	SW.	0	6	9	9	13	4	4	3	12	0	15	7	8	10	9	0	0	0	0	0	0	8	5	0
May	6.9	SE.	23	SW.	0	6	2	2	15	9	9	5	14	0	12	7	12	12	8	0	0	3	0	0	0	1	7	0
June	5.5	NW.	27	NW.	0	4	2	3	12	8	7	8	15	1	10	13	7	11	11	0	0	1	0	0	1	0	10	0
July	4.7	SE.	22	S.	0	9	4	3	18	15	4	1	7	1	18	10	3	7	5	0	0	0	0	0	12	0	7	0
August	3.8	SE.	25	NW.	0	7	2	7	17	11	7	4	5	2	14	11	6	6	5	0	0	0	1	0	7	0	3	0
September	5.3	SE.	24	NW.	0	9	5	3	13	5	4	13	6	2	20	6	4	9	6	0	0	1	0	0	0	1	8	0
October	6.1	SE.	23	W.	0	3	2	2	28	3	2	12	10	0	10	7	14	12	8	5	2	0	0	2	0	13	0	0
November	7.5	SE.	23	S.	0	7	1	0	23	9	4	4	11	1	16	5	9	8	6	7	3	0	0	5	0	17	1	0
December	5.2	NW.	20	NW.	0	7	2	3	10	7	4	12	16	1	12	3	16	5	2	13	4	0	1	21	0	30	0	0
Year	6.0	SE.	27	NW.	0	71	37	36	198	76	61	89	149	13	163	96	106	105	74	58	25	6	3	64	20	152	43	0

Annual meteorological summary for the year ending December 31, 1930—Continued

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	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	30.167	30.620	29.770	46.9	54.7	51.6	58.7	43.7	51.2	73	29	43	45	45	87	73	78	0.299	0.326	0.316	2.37	0.62	5.4	6.0	5.0	6.0
February	30.108	30.410	29.710	49.7	61.0	55.3	63.8	47.6	55.7	81	34	43	46	47	78	59	74	.291	.329	.334	.81	.42	3.2	4.4	3.2	3.4
March	29.902	30.260	29.310	51.1	58.6	55.2	62.3	47.4	54.8	72	29	42	42	43	72	58	66	.284	.298	.301	4.17	1.41	6.3	6.0	4.4	5.6
April	30.014	30.420	29.560	62.5	70.5	65.6	73.4	57.9	65.6	86	48	53	55	55	74	60	71	.426	.445	.453	2.60	1.15	4.3	4.0	4.2	4.6
May	30.028	30.260	29.670	73.3	79.5	73.3	82.1	67.8	75.0	92	54	65	66	65	76	65	76	.624	.645	.631	.76	.31	5.0	5.0	5.5	5.3
June	29.967	30.330	29.680	76.1	80.3	76.4	82.8	70.9	76.8	95	61	69	70	69	80	73	80	.721	.752	.726	6.59	2.39	5.8	6.6	6.0	6.5
July	29.950	30.170	29.750	82.1	89.4	81.5	91.6	76.2	83.9	99	71	74	74	75	76	62	80	.826	.857	.862	6.09	2.10	4.3	4.9	5.5	5.2
August	29.975	30.210	29.680	76.6	83.7	78.8	86.4	72.7	79.6	94	62	69	70	71	78	65	77	.724	.750	.761	1.75	1.33	4.4	4.6	4.0	4.4
September	29.987	30.210	29.810	78.0	84.1	79.1	86.3	74.2	80.2	92	66	73	72	73	85	68	83	.821	.795	.817	3.22	1.72	4.7	6.3	5.6	5.9
October	30.031	30.360	29.740	60.8	70.3	65.2	72.4	57.4	64.9	86	45	52	53	54	75	55	69	.420	.426	.447	.79	.53	4.5	3.9	3.8	4.0
November	30.147	30.628	29.650	52.0	60.2	56.2	62.2	49.9	56.0	78	30	46	47	48	81	64	74	.343	.362	.360	1.23	.66	6.7	6.0	5.4	6.2
December	30.055	30.550	29.750	42.9	51.3	48.2	54.0	40.4	47.2	71	29	37	39	39	81	64	72	.235	.253	.254	2.05	.65	6.6	6.0	5.7	6.0
Year	30.027	30.628	29.310	62.7	70.3	65.5	73.0	58.8	65.9	99	29	56	57	57	79	64	75	.501	.520	.522	32.43	2.39	5.1	5.3	4.9	5.3

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
January	29.376	29.850	28.980	38.5	47.1	46.4	52.7	35.3	44.0	73	22	34	36	36	85	66	69	0.217	0.229	0.237	3.90	1.24	7.3	6.5	4.6	6.6
February	29.290	29.640	28.750	42.2	55.0	54.1	61.2	40.0	50.6	82	22	34	37	36	72	52	52	.209	.242	.228	.92	.58	3.1	3.1	2.2	3.1
March	29.063	29.550	28.400	42.4	53.2	51.9	59.0	38.5	48.8	72	20	33	36	35	70	55	55	.205	.234	.220	2.45	1.09	4.1	4.5	3.8	4.5
April	29.214	29.620	28.610	54.3	68.3	66.2	73.6	50.8	62.2	92	41	42	43	43	66	44	46	.286	.294	.294	.86	.38	3.5	4.2	3.0	4.0
May	29.234	29.500	28.860	65.8	78.1	73.7	82.3	61.5	71.9	90	48	56	56	55	72	49	56	.468	.469	.455	3.08	1.56	5.5	5.7	5.7	5.7
June	29.200	29.573	28.880	70.6	81.1	77.3	85.7	64.8	75.2	102	52	60	58	58	72	48	56	.541	.499	.508	4.92	1.98	5.2	5.2	6.4	5.5
July	29.167	29.400	28.910	75.6	86.9	83.9	91.7	71.4	81.6	102	62	66	64	65	74	49	57	.654	.602	.632	2.84	1.76	5.3	5.1	6.0	5.4
August	29.211	29.460	28.990	70.0	83.6	78.4	87.6	65.8	76.7	100	53	62	61	62	77	48	59	.569	.550	.571	3.41	1.36	4.5	3.8	5.4	4.8
September	29.219	29.500	29.020	70.4	81.5	76.2	85.2	67.3	76.2	97	55	66	65	64	86	59	70	.641	.624	.620	2.90	1.01	6.1	5.5	6.1	5.7
October	29.273	29.640	28.950	52.0	65.6	60.7	69.2	49.2	59.2	83	34	45	47	47	77	54	62	.318	.348	.341	1.19	.75	3.7	4.4	3.5	4.1
November	29.359	29.910	28.730	43.3	52.8	50.7	56.2	41.3	48.8	75	23	38	38	39	82	62	66	.261	.271	.273	5.17	2.09	6.2	6.3	4.6	6.2
December	29.261	29.780	28.930	32.9	42.9	40.4	46.3	30.9	38.6	64	19	27	28	28	78	57	62	.153	.159	.158	3.43	1.69	5.2	5.6	4.4	5.5
Year	29.239	29.910	28.400	54.8	66.3	63.3	70.9	51.4	61.2	102	19	47	47	47	76	54	59	.377	.377	.378	35.07	2.09	5.0	5.0	4.6	5.1

CHATTANOOGA, TENN.

[ϕ=35° 04′ N.; λ= 85° 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.	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	29.420	29.870	28.980	36.4	44.1	43.9	50.1	33.4	41.8	70	10	27	30	30	68	59	60	0.173	0.198	0.193	2.30	0.73	6.3	6.5	5.0	5.9
February	29.331	29.620	28.790	43.5	54.4	54.5	59.8	40.4	50.1	79	22	35	34	32	71	48	45	.221	.216	.200	3.25	1.21	4.8	4.5	4.1	4.5
March	29.126	29.470	28.490	42.4	52.8	53.4	58.2	39.2	48.7	73	20	32	30	32	68	46	47	.197	.191	.197	6.00	2.95	5.5	5.2	4.8	5.1
April	29.245	29.630	28.890	55.7	69.5	68.6	73.8	52.5	63.2	86	40	42	40	40	61	36	37	.281	.265	.259	1.46	.81	4.8	4.4	3.9	4.7
May	29.251	29.550	28.990	63.7	73.9	72.3	77.3	59.5	68.4	86	52	56	56	57	78	56	61	.462	.467	.475	6.27	2.53	5.6	5.6	5.4	5.7
June	29.198	29.580	28.860	68.5	81.3	80.6	85.8	63.7	74.8	98	50	58	55	56	68	41	45	.487	.443	.468	3.27	.99	2.4	4.8	3.6	3.9
July	29.194	29.380	28.920	74.8	88.9	84.3	93.1	70.8	82.0	104	60	64	61	62	70	41	50	.598	.546	.569	1.40	.64	4.3	5.0	4.9	4.8
August	29.219	29.410	29.040	70.3	84.3	82.0	88.4	67.3	77.8	98	55	61	58	58	73	44	48	.539	.496	.504	1.43	.47	4.4	5.5	5.1	5.0
September	29.215	29.500	29.000	68.8	79.8	77.0	83.6	66.7	75.2	95	53	63	64	64	84	60	67	.592	.599	.613	3.32	1.10	6.0	6.6	6.0	6.1
October	29.301	29.740	29.000	52.0	64.0	61.7	67.7	49.7	58.7	81	33	45	43	46	77	49	58	.320	.312	.334	2.81	1.18	3.9	4.4	3.6	4.3
November	29.378	29.840	28.890	44.6	52.8	52.1	56.9	42.2	49.6	76	20	38	36	38	79	55	50	.263	.249	.261	5.17	2.25	6.7	5.7	5.0	5.8
December	29.322	29.730	29.050	35.8	41.5	41.7	45.8	33.0	39.4	61	23	30	29	30	78	63	64	.167	.166	.170	3.66	1.94	6.2	6.0	5.0	6.0
Year	29.267	29.870	28.490	54.7	65.6	64.3	70.0	51.5	60.8	104	10	46	45	45	73	50	54	.358	.346	.354	40.34	2.95	5.0	5.4	4.7	5.2

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	23.893	24.200	23.510	10.2	18.9	14.7	23.1	2.9	13.0	54	−30	2	6	5	69	59	65	0.046	0.067	0.055	0.88	0.44	4.8	5.4	5.3	6.1
February	23.923	24.200	23.610	32.2	39.2	36.1	44.2	24.8	34.5	61	8	22	24	24	65	56	64	.117	.128	.130	1.03	.48	4.5	5.8	5.2	6.3
March	23.904	24.360	23.508	25.2	35.0	33.6	39.9	19.2	29.6	58	−8	17	20	20	71	56	60	.093	.105	.109	.88	.24	5.1	5.3	5.1	5.4
April	23.980	24.320	23.711	40.0	56.9	55.7	61.4	37.1	49.2	76	10	32	34	35	75	45	50	.186	.202	.208	1.19	.57	4.8	5.8	7.2	6.2
May	23.948	24.270	23.600	40.7	53.0	50.8	57.5	36.0	46.8	78	20	34	36	37	80	58	66	.205	.219	.231	4.95	1.48	6.0	7.2	7.5	6.9
June	24.020	24.300	23.700	51.6	70.8	71.3	75.8	46.6	61.2	89	40	41	41	42	70	37	39	.266	.269	.280	.34	.26	2.6	3.1	3.7	3.1
July	24.144	24.350	23.921	59.6	77.8	75.0	81.9	55.8	68.8	94	46	45	43	45	63	34	39	.307	.291	.306	.92	.23	4.3	5.4	6.3	5.6
August	24.154	24.310	23.930	58.1	73.9	69.9	77.1	55.2	66.2	87	48	50	49	51	77	44	56	.372	.357	.383	6.73	1.34	5.0	4.8	6.3	5.6
September	24.059	24.350	23.700	46.8	66.0	62.8	70.1	43.4	56.8	80	32	37	36	38	70	36	44	.224	.217	.239	1.28	.64	3.3	4.5	5.1	4.2
October	24.018	24.290	23.660	36.6	52.7	47.2	56.4	32.5	44.4	72	19	28	29	32	72	45	57	.157	.169	.186	1.49	.72	3.9	4.8	5.5	4.7
November	24.011	24.400	23.280	30.5	44.6	37.5	47.4	24.6	36.0	67	13	15	17	18	53	37	48	.083	.090	.098	.83	.45	3.6	3.7	3.4	4.0
December	24.028	24.260	23.796	24.1	36.8	28.4	39.8	18.0	28.9	61	8	11	13	13	57	39	51	.070	.075	.076	.12	.08	2.4	3.8	3.9	3.5
Year	24.007	24.400	23.280	38.0	52.1	48.6	56.2	33.0	44.6	94	−30	28	29	30	68	46	53	.177	.182	.192	20.64	1.48	4.2	5.0	5.4	5.1

Annual meteorological summary for the year ending December 31, 1930—Continued

CHARLESTON, S. C.

[H_b=48 ft.; h_t=11 ft.; h_r=76 ft.; h_a=92 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: Days with 33 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: Thunderstorm	Electricity: Aurora
	Miles		*Mi.*																									
January	8.8	N.	42	E.	1	15	16	2	4	2	6	8	9	0	11	4	16	13	8	1	0	0	4	0	0	2	1	0
February	8.5	SW.	26	N.	0	9	10	5	4	2	18	4	4	0	17	7	4	3	3	0	0	0	0	0	0	0	1	0
March	10.1	W.	30	NW.	0	4	6	3	2	5	15	16	11	0	10	8	13	13	11	0	0	0	0	0	0	1	0	0
April	8.9	SW.	29	E.	0	2	13	6	4	7	14	8	5	1	14	7	9	4	3	0	0	0	0	0	0	0	2	0
May	8.4	SW.	24	N.	0	4	9	5	1	12	24	4	3	1	11	7	13	6	5	0	0	0	1	0	1	0	5	0
June	9.2	S.	31	E.	0	6	3	11	9	9	15	4	3	0	7	5	18	15	12	0	0	0	0	0	5	0	7	0
July	8.4	SW.	41	NE.	1	0	1	0	1	8	31	17	4	0	8	17	6	11	10	0	0	1	0	0	20	0	9	0
August	8.3	SW.	26	N.	0	6	11	8	3	7	14	8	5	0	12	12	7	6	6	0	0	0	0	0	9	0	4	0
September	7.4	SW.	24	SW.	0	6	13	2	3	11	11	9	4	1	6	13	11	14	11	0	0	0	0	0	5	0	11	0
October	8.8	NE.	22	N.	0	17	17	8	1	3	6	4	6	0	16	9	6	4	3	0	0	0	0	0	0	0	1	0
November	9.7	NE.	29	S.	0	13	16	7	2	5	5	5	7	0	8	8	14	10	6	0	0	0	2	0	0	1	1	0
December	9.5	N.	27	E.	0	17	11	2	1	1	10	8	12	0	9	6	16	10	9	0	0	0	1	0	0	4	0	0
Year	8.8	SW.	42	E.	2	99	126	59	35	72	169	95	73	2	129	103	133	109	87	1	0	1	8	0	40	8	42	0

CHARLOTTE, N. C.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	4.6	NE.	20	NE.	0	12	17	2	6	9	5	4	2	5	7	10	14	14	11	3	2	0	6	0	0	16	1	0
February	4.7	S.	23	SW.	0	5	4	3	5	17	8	4	4	6	18	5	5	4	3	0	0	0	0	0	0	5	1	0
March	6.4	SW.	24	SW.	0	6	6	1	4	19	13	8	5	0	15	7	9	12	9	0	0	0	1	0	0	4	2	0
April	4.7	SW.	24	NW.	0	5	11	4	7	9	11	5	6	2	15	7	8	6	4	0	0	0	1	0	2	0	0	0
May	3.3	S.	26	NW.	0	8	8	2	3	9	12	9	1	10	10	7	14	8	5	0	0	2	1	0	3	0	9	0
June	3.5	S.	25	NW.	0	4	10	6	6	10	11	5	6	2	9	13	8	9	7	0	0	0	0	0	7	0	6	0
July	3.5	SW.	14	NE.	0	4	10	3	4	11	17	5	5	3	9	15	7	8	7	0	0	0	0	0	23	0	9	0
August	3.2	NE.	23	W.	0	11	14	3	2	9	10	3	4	6	12	12	7	10	9	0	0	0	2	0	13	0	8	0
September	3.1	SW.	14	SW.	0	3	15	0	6	15	11	3	3	4	8	11	11	11	10	0	0	0	2	0	9	0	8	0
October	3.7	NE.	15	NW.	0	10	20	4	4	8	3	1	8	4	17	4	10	8	5	0	0	0	0	0	0	0	0	0
November	4.5	NE.	23	W.	0	7	25	2	1	7	8	4	3	3	8	7	15	9	8	2	0	0	5	0	0	8	1	0
December	4.7	NE.	15	W.	0	15	15	3	2	4	11	3	9	0	12	6	13	6	5	2	2	0	4	1	0	19	0	0
Year	4.2	NE.	26	NW.	0	90	155	33	50	127	120	54	56	45	140	104	121	105	83	7	4	2	22	1	57	52	45	0

CHATTANOOGA, TENN.

[H_b=762 ft.; h_t=190 ft.; h_r=167 ft.; h_a=215 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	8.0	SE.	29	NW.	0	5	13	0	16	4	6	5	13	0	10	7	14	10	6	3	3	0	2	0	0	16	0	0
February	7.5	SW.	34	NW.	1	2	7	0	13	7	15	4	8	0	14	5	9	9	7	0	0	0	0	0	0	5	2	0
March	8.7	SW.	38	SW.	3	2	6	1	7	4	17	13	12	0	9	14	8	10	10	2	1	0	1	0	0	5	2	0
April	7.6	SW.	34	NW.	1	6	8	0	8	7	12	7	11	1	10	13	7	3	3	0	0	0	0	0	0	0	0	0
May	6.2	SW.	30	SW.	0	6	15	0	11	5	14	6	4	1	11	9	11	17	13	0	0	1	0	0	0	0	10	0
June	6.1	SE.	39	N.	1	3	11	2	13	3	12	8	8	0	14	14	2	10	8	0	0	0	0	0	9	0	5	0
July	6.6	SW.	31	SW.	0	5	5	0	6	6	23	10	6	1	6	22	3	8	7	0	0	0	0	0	19	0	15	0
August	5.5	SW.	30	SW.	0	13	3	1	5	4	19	12	5	0	8	20	3	7	6	0	0	0	0	0	13	0	8	0
September	4.8	SE.	29	NW.	0	7	12	1	12	7	8	6	7	0	4	17	9	15	12	0	0	0	0	0	8	0	7	0
October	5.5	NW.	28	NW.	0	6	7	0	10	4	10	5	18	2	16	6	9	5	4	0	0	0	5	0	0	0	0	0
November	7.1	SE.	29	W.	0	5	14	1	15	5	6	7	6	1	10	9	11	14	10	3	1	0	3	0	0	8	0	0
December	6.6	SW.	25	NW.	0	8	9	0	7	2	18	4	14	0	10	4	17	10	7	5	3	0	3	0	0	14	0	0
Year	6.7	SW.	39	N.	6	68	110	6	123	58	160	87	112	6	122	140	103	118	93	13	8	1	14	0	49	48	49	0

CHEYENNE, WYO.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	10.7	W.	50	W.	5	6	2	2	3	7	10	21	11	0	10	7	14	14	6	18	14	0	0	21	0	31	0	0
February	13.3	W.	48	W.	6	4	2	2	1	4	6	26	11	0	5	12	11	8	6	10	8	0	1	2	0	22	0	0
March	13.0	W.	49	W.	7	10	3	0	4	3	8	20	14	0	10	10	11	9	6	18	8	0	0	10	0	29	0	0
April	9.8	W.	39	W.	3	7	3	0	6	8	4	18	14	0	6	12	12	11	6	3	1	0	0	0	0	4	10	0
May	10.5	W.	36	NW.	3	9	3	7	9	9	1	14	10	0	5	11	15	18	14	10	6	3	4	0	0	9	9	0
June	9.7	W.	46	W.	4	6	4	0	4	7	11	22	6	0	20	7	3	3	2	0	0	1	0	0	0	0	4	0
July	8.4	S.	35	SW.	1	6	3	3	5	13	7	17	7	1	8	14	9	8	7	0	0	0	1	0	4	0	13	0
August	7.5	W.	38	SW.	1	9	3	6	4	6	7	14	12	1	6	19	6	16	15	0	0	2	0	0	0	0	19	0
September	8.3	W.	36	NW.	2	8	4	3	5	8	4	16	12	0	14	10	6	8	4	0	0	0	2	0	0	0	6	0
October	9.4	W.	42	W.	2	9	8	0	4	8	10	16	7	0	12	10	9	10	5	6	1	3	1	0	0	15	5	0
November	12.3	W.	54	W.	6	11	0	3	0	4	5	20	17	0	17	5	8	4	3	6	4	0	0	4	0	26	0	0
December	10.8	W.	32	W.	0	6	2	1	0	2	4	28	19	0	18	6	7	4	1	8	4	0	0	8	0	29	0	0
Year	10.3	W.	54	W.	40	91	37	27	45	79	77	232	140	2	131	128	111	113	75	79	46	9	9	45	4	165	66	0

Annual meteorological summary for the year ending December 31, 1930—Continued

CHICAGO UNIVERSITY, ILL.

[ϕ=41° 47′ N.; λ=87° 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	29.446	29.940	28.700	17.2	22.9	21.9	26.7	13.5	20.1	51	−16	13	15	15	80	69	74	0.090	0.095	0.099	2.23	0.64	7.9	6.1	6.0	6.3
February	29.269	29.770	28.770	33.0	39.1	39.3	43.8	30.4	37.1	67	1	27	29	31	76	66	71	.161	.176	.187	1.42	.57	7.7	6.4	7.0	7.2
March	29.144	29.790	28.650	31.3	38.2	38.0	43.3	28.9	36.1	73	15	24	25	27	72	59	63	.130	.138	.149	2.82	1.20	5.0	5.7	4.9	5.6
April	29.301	29.606	28.890	43.9	52.5	49.5	57.2	41.1	49.2	90	32	35	36	36	72	58	63	.216	.230	.226	2.30	1.15	4.6	5.2	5.3	5.0
May	29.272	29.780	28.870	57.1	65.2	63.5	69.0	53.4	61.2	86	43	48	48	47	73	56	58	.355	.363	.344	2.16	.81	5.0	5.8	4.5	5.7
June	29.217	29.484	28.881	65.0	74.9	72.3	78.9	61.3	70.1	97	47	54	55	54	70	52	56	.430	.449	.440	2.49	.79	5.8	5.8	4.8	5.5
July	29.274	29.496	28.940	69.3	78.6	76.3	83.1	65.3	74.2	101	54	59	60	59	72	55	57	.519	.522	.510	2.63	1.48	4.0	3.7	2.7	3.7
August	29.329	29.630	29.115	68.9	77.6	74.4	80.2	66.5	73.4	98	56	59	59	61	73	56	66	.518	.522	.551	1.17	.30	5.2	4.7	5.1	5.0
September	29.261	29.590	28.726	61.4	72.6	69.0	75.0	58.8	66.9	89	40	53	52	54	75	51	60	.435	.423	.439	1.29	.63	3.9	4.2	4.1	4.1
October	29.373	29.840	28.920	46.8	56.2	52.6	57.9	45.2	51.6	80	24	40	42	42	77	58	67	.279	.301	.301	2.81	1.39	5.1	5.5	5.1	5.4
November	29.354	29.940	28.610	38.0	46.2	44.4	49.7	35.0	42.4	75	1	32	34	33	78	64	66	.205	.220	.216	1.75	1.36	5.3	5.5	4.1	5.4
December	29.347	29.950	28.900	27.0	32.0	30.8	34.9	24.5	29.7	51	7	22	24	23	79	70	72	.121	.133	.133	.27	.14	6.6	6.9	6.8	6.8
Year	29.299	29.950	28.610	46.6	54.7	52.7	58.3	43.7	51.0	101	−16	39	40	40	75	60	64	.288	.298	.300	23.34	1.48	5.5	5.5	5.0	5.5

CINCINNATI, OHIO

[ϕ=39° 09′ N.; λ=84° 31′ 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	29.533	30.040	28.930	27.4	32.9	32.7	38.9	22.7	30.8	62	−10	25	27	26	90	77	74	0.159	0.167	0.160	4.25	1.04	6.6	6.5	5.9	6.7
February	29.401	29.770	29.000	37.8	46.3	44.5	51.2	34.9	43.0	72	8	31	32	33	78	60	65	.187	.198	.203	2.95	1.02	6.9	5.5	5.5	6.2
March	29.199	29.730	28.540	34.7	45.1	43.5	50.9	31.0	41.0	72	15	28	30	29	76	56	57	.160	.172	.166	1.91	.90	3.8	5.1	4.7	4.8
April	29.366	29.740	28.810	49.1	63.6	60.3	67.8	45.3	56.6	90	31	39	39	39	70	42	48	.258	.261	.258	2.05	1.01	4.4	4.9	4.9	4.9
May	29.367	29.750	29.080	61.2	72.2	68.6	76.0	54.8	65.4	89	42	52	50	49	71	49	52	.394	.380	.361	1.01	.34	3.8	5.0	4.4	4.6
June	29.313	29.662	29.000	68.3	80.4	77.2	84.7	60.7	72.7	98	46	57	55	53	68	43	45	.479	.441	.420	.98	.63	3.5	4.4	3.4	3.9
July	29.328	29.573	29.010	72.5	86.3	82.9	91.6	65.9	78.8	103	52	58	55	55	61	37	41	.490	.451	.458	2.46	1.14	3.1	3.7	3.7	3.5
August	29.371	29.630	29.180	67.5	83.5	78.1	87.5	63.3	75.4	101	53	58	54	54	74	40	47	.501	.444	.435	1.24	.40	4.6	4.1	5.3	5.0
September	29.351	29.580	29.010	63.1	76.9	71.4	80.6	59.7	70.2	92	44	57	56	56	80	51	60	.482	.486	.470	4.38	1.36	5.0	5.6	4.4	5.2
October	29.442	29.850	29.100	46.0	59.7	56.7	63.7	44.2	54.0	82	23	40	40	40	81	51	55	.276	.282	.275	.78	.33	4.6	4.0	4.1	4.2
November	29.479	30.060	28.760	39.2	50.2	46.9	53.9	36.0	45.0	76	3	34	35	34	83	60	65	.224	.236	.224	1.28	.42	5.7	5.7	4.2	5.5
December	29.433	29.980	29.010	29.5	35.0	33.9	38.5	26.8	32.6	56	12	26	27	27	86	72	76	.144	.149	.152	1.20	.77	6.9	7.2	6.9	6.9
Year	29.382	30.060	28.540	49.7	61.0	58.1	65.4	45.4	55.5	103	−10	42	42	41	76	53	57	.313	.306	.298	24.49	1.36	4.9	5.1	4.8	5.1

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	29.336	29.850	28.720	24.9	29.1	27.6	35.5	19.8	27.6	62	−3	20	22	21	82	73	77	0.125	0.133	0.125	5.01	1.58	7.6	8.0	7.1	7.7
February	29.200	29.560	28.790	35.9	38.5	38.3	45.1	29.9	37.5	72	7	29	29	29	76	70	69	.170	.173	.168	2.45	.66	8.6	7.6	6.4	7.8
March	28.996	29.730	28.280	33.4	36.6	36.2	43.2	28.2	35.7	69	13	25	27	27	71	69	70	.136	.153	.149	2.68	1.14	7.3	6.5	6.2	6.5
April	29.199	29.570	28.480	44.9	50.0	50.5	56.7	39.9	48.3	82	28	35	36	37	70	61	64	.219	.225	.237	2.08	1.00	5.6	6.0	6.3	6.1
May	29.201	29.590	28.830	59.3	63.7	63.0	69.1	54.5	61.8	86	42	47	46	46	65	56	56	.331	.330	.321	1.87	.41	5.4	5.2	5.3	5.3
June	29.138	29.509	28.840	66.7	73.1	74.3	78.6	61.8	70.2	90	46	54	54	55	66	54	54	.430	.430	.449	1.84	.57	4.7	5.2	5.1	5.4
July	29.163	29.450	28.770	70.1	75.1	77.0	81.6	65.6	73.6	98	55	56	56	57	63	55	53	.468	.466	.477	.74	.31	3.8	3.9	4.3	4.4
August	29.220	29.520	29.000	68.1	73.8	74.5	77.7	64.5	71.1	97	55	54	56	56	64	57	55	.432	.462	.463	1.84	.97	5.8	5.7	6.5	6.3
September	29.184	29.440	28.710	63.6	69.8	69.1	73.8	60.7	67.2	87	45	52	53	53	67	57	58	.418	.436	.424	1.69	.66	4.2	5.7	5.2	5.2
October	29.274	29.640	28.890	48.0	54.6	53.5	57.7	45.8	51.8	77	30	38	40	40	68	57	61	.248	.270	.272	1.52	.63	5.7	6.1	4.7	6.2
November	29.282	29.850	28.620	40.6	47.6	46.5	51.9	37.6	44.8	71	8	33	35	33	74	62	61	.202	.224	.213	2.27	1.04	6.4	6.3	5.2	6.4
December	29.218	29.830	28.740	30.3	33.5	32.6	37.2	26.7	32.0	53	10	24	24	25	77	66	72	.135	.132	.138	.89	.23	8.6	8.5	7.8	8.6
Year	29.201	29.850	28.280	48.8	53.8	53.6	59.0	44.6	51.8	98	−3	39	40	40	70	61	62	.276	.286	.286	24.88	1.58	6.1	6.2	5.8	6.3

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	29.381	29.800	28.740	15.5	22.6	-----	29.0	11.7	20.4	57	−16	12	15	---	86	73	---	0.086	0.095	-----	4.41	1.34	5.4	6.1	-----	6.0
February	29.181	29.710	28.770	38.9	47.7	-----	53.3	35.2	44.2	81	6	33	35	---	80	64	---	.207	.226	-----	1.82	1.30	6.4	6.1	-----	5.9
March	29.096	29.650	28.610	34.0	48.1	-----	53.4	32.2	42.8	72	13	26	27	---	70	45	---	.143	.156	-----	1.03	.61	5.0	5.3	-----	4.7
April	29.173	29.440	28.820	50.8	65.8	-----	71.1	48.7	59.9	93	33	40	42	---	69	46	---	.267	.295	-----	1.55	.46	6.6	5.8	-----	4.9
May	29.149	29.560	28.640	58.0	70.8	-----	74.3	54.0	64.2	88	44	51	50	---	78	51	---	.386	.378	-----	2.88	1.21	5.3	5.1	-----	4.5
June	29.126	29.380	28.900	65.7	78.7	-----	82.4	61.6	72.0	96	45	58	58	---	79	53	---	.503	.509	-----	3.10	.92	5.3	5.1	-----	4.8
July	29.178	29.380	28.950	72.4	90.4	-----	93.6	68.6	81.1	108	51	60	60	---	66	38	---	.529	.542	-----	.50	.34	2.5	3.5	-----	3.6
August	29.201	29.440	28.990	69.0	86.5	-----	90.1	66.7	78.4	107	58	60	60	---	74	43	---	.520	.522	-----	2.18	.95	6.5	6.7	-----	5.5
September	29.137	29.450	28.720	62.2	77.1	-----	80.7	60.4	70.6	100	46	56	59	---	80	56	---	.468	.525	-----	3.39	1.60	4.5	4.6	-----	4.6
October	29.252	29.745	28.820	48.2	60.7	-----	64.4	46.0	55.2	85	22	44	45	---	84	57	---	.315	.333	-----	2.57	2.14	4.5	4.5	-----	4.5
November	29.257	29.740	28.440	37.0	51.0	-----	56.8	35.2	46.0	78	16	31	33	---	78	51	---	.189	.215	-----	2.25	1.32	3.4	3.1	-----	3.5
December	29.275	29.750	28.970	30.1	37.5	-----	41.3	27.0	34.2	62	16	26	27	---	83	65	---	.141	.152	-----	.48	.37	4.7	5.7	-----	5.2
Year	29.200	29.800	28.440	48.5	61.4	-----	65.9	45.6	55.8	106	−16	41	43	---	77	54	---	.313	.329	-----	26.16	2.14	5.0	5.1	-----	4.8

Annual meteorological summary for the year ending December 31, 1930—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	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 36 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: Thunderstorm	Electricity: Aurora
	Miles		*Mi.*																									
January	10.4	SW.	34	SW.	1	3	5	1	4	8	22	5	14	0	8	7	16	16	8	21	11	0	2	20	0	25	0	0
February	10.1	SW.	25	NW.	0	3	0	2	5	11	17	9	9	0	3	10	15	9	5	7	4	0	2	5	0	17	2	0
March	12.3	NW.	35	NE.	1	4	10	4	4	5	10	12	13	0	10	8	13	9	6	12	7	0	0	5	0	24	0	0
April	9.8	NE.	30	NW.	0	2	14	11	5	9	4	3	12	0	11	8	11	10	7	1	0	0	1	0	2	1	4	0
May	10.1	SW.	29	SW.	0	1	12	6	11	6	13	5	8	0	7	16	8	11	9	0	0	1	0	0	0	0	7	2
June	9.0	SW.	27	SW.	0	4	4	7	4	12	15	7	7	0	8	13	9	9	7	0	0	0	0	0	1	0	4	0
July	7.9	NE.	29	NE.	0	4	16	9	7	3	15	3	5	0	14	12	5	9	6	0	0	0	0	0	10	0	8	0
August	7.1	NE.	30	N.	0	1	19	9	6	4	11	9	2	1	13	10	8	9	6	0	0	0	0	0	4	0	6	0
September	8.4	SW.	36	SW.	1	1	8	6	5	10	19	5	6	0	16	7	7	6	5	0	0	0	0	0	0	0	7	0
October	8.3	NW.	25	W.	0	2	3	4	10	12	7	8	16	0	10	12	9	7	5	1	0	0	2	0	0	6	2	0
November	10.3	SW.	27	SW.	0	0	3	2	8	11	23	5	8	0	10	10	10	7	5	6	3	0	2	4	0	10	0	0
December	9.5	NW.	28	NW.	0	3	3	3	2	7	12	17	15	0	6	8	17	6	2	13	5	0	0	11	0	22	0	0
Year	9.4	SW.	36	SW.	3	28	97	64	71	98	168	88	115	1	116	121	128	108	71	61	30	1	9	45	17	105	40	2

CINCINNATI, OHIO

[H_b=627 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 36 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	7.6	S.	22	SW.	0	6	5	5	1	16	13	7	9	0	9	4	18	18	11	12	9	0	1	12	0	22	0	0
February	7.4	SW.	24	SW.	0	4	4	3	3	16	11	8	7	0	7	9	12	8	8	4	1	0	3	2	0	14	1	0
March	9.6	SW.	28	SW.	0	3	9	3	1	10	21	8	7	0	13	9	9	9	9	11	5	0	1	2	0	18	1	0
April	6.8	SW.	30	SW.	0	7	11	6	4	8	11	2	11	0	10	12	8	10	6	0	0	0	0	0	0	2	3	0
May	6.0	S.	27	W.	0	6	9	2	3	22	7	9	4	0	13	9	9	8	5	0	0	0	0	0	0	0	0	0
June	5.5	SW.	23	SW.	0	6	5	0	2	21	12	8	5	1	15	11	4	4	3	0	0	0	0	0	5	0	6	0
July	5.5	SW.	25	NW.	0	16	10	1	3	4	15	3	10	0	17	12	2	6	6	0	0	2	0	0	21	0	11	0
August	4.6	NE.	22	NW.	0	20	16	4	1	4	9	3	2	3	12	12	7	9	6	0	0	0	0	0	10	0	7	0
September	4.9	SW.	27	SW.	0	7	11	2	4	14	17	3	1	1	10	7	13	11	10	0	0	1	0	0	2	0	6	0
October	4.9	NE.	18	SW.	0	5	24	0	3	5	11	9	4	1	15	10	6	6	5	0	0	0	0	0	0	5	0	0
November	6.6	SW.	24	SW.	0	4	5	4	11	17	12	5	2	0	12	4	14	11	7	5	3	0	2	2	0	10	0	0
December	6.8	SW.	24	NW.	0	3	7	4	0	8	25	10	5	0	5	8	18	8	4	15	5	0	1	7	0	22	0	0
Year	6.4	SW.	30	SW.	0	87	116	34	36	145	164	75	67	6	138	107	120	108	80	47	23	3	8	25	38	93	35	0

CLEVELAND, OHIO

[H_b=762 ft.; h_t=267 ft.; h_r=204 ft.; h_a=337 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 36 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	12.7	S.	50	NW.	3	8	2	2	4	19	12	10	5	0	3	7	21	21	12	14	12	0	0	17	0	25	0	0
February	14.0	S.	38	S.	6	4	0	3	6	15	13	10	5	0	4	6	18	14	11	12	7	0	1	6	0	17	1	0
March	15.1	W.	42	NW.	9	8	5	2	2	10	16	16	3	0	8	6	17	14	10	15	9	0	0	4	0	26	4	0
April	12.7	W.	44	W.	5	8	5	4	8	4	5	14	11	1	8	9	13	9	8	6	1	0	0	0	0	7	2	0
May	11.8	W.	44	SW.	3	5	7	2	7	8	10	12	11	0	10	11	10	15	11	0	0	0	0	0	0	0	4	0
June	11.9	S.	37	W.	2	5	0	1	7	15	15	13	2	2	9	10	11	8	7	0	0	0	0	0	0	0	4	0
July	10.2	N.	33	NW.	2	21	5	5	5	7	10	6	3	0	11	12	8	5	4	0	0	0	0	0	7	0	5	0
August	9.3	N.	32	NW.	0	8	9	2	8	11	7	7	9	1	6	15	10	7	6	0	0	0	0	0	3	0	4	0
September	11.3	S.	40	S.	1	2	10	3	4	16	18	4	3	0	12	7	11	9	5	0	0	0	0	0	0	0	6	3
October	11.9	SW.	38	NW.	3	5	7	6	12	11	10	7	4	0	9	6	16	9	7	7	2	1	0	0	0	4	2	0
November	14.2	S.	46	W.	7	0	2	2	13	17	19	4	3	0	10	2	18	10	7	10	6	0	0	3	0	7	2	0
December	13.4	SW.	50	W.	5	6	0	2	6	16	21	10	1	0	1	6	24	15	8	19	11	0	0	5	0	21	0	0
Year	12.4	S.	50	W.	46	80	52	34	82	149	156	113	60	4	91	97	177	136	96	83	48	1	1	35	10	107	34	3

COLUMBIA, MO.

[H_b=784 ft.; h_t=6 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 36 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	7.5	SW.	22	S.	0	5	2	1	3	3	9	3	5	0	12	3	16	12	11	12	4	0	1	19	0	28	0	0
February	7.6	S.	27	SW.	0	4	0	0	4	10	5	1	4	0	7	10	11	4	4	2	1	0	2	2	0	12	2	0
March	10.1	NW.	35	NW.	1	3	1	3	4	2	5	7	5	1	14	8	9	6	5	5	3	0	0	1	0	17	0	0
April	7.7	SE.	27	SW.	0	3	4	3	5	5	3	3	4	0	11	10	9	13	10	0	0	0	1	0	2	0	5	0
May	7.4	S.	30	W.	0	1	4	1	4	9	3	5	4	0	13	10	8	11	10	0	0	1	0	0	0	0	7	0
June	6.3	S.	25	SW.	0	3	0	3	2	9	4	6	3	0	12	12	6	9	7	0	0	0	0	0	3	0	6	0
July	5.9	SW.	19	SW.	0	3	2	2	2	7	10	1	4	0	15	10	6	4	2	0	0	0	0	0	22	0	6	0
August	5.3	SW.	17	N.	0	5	7	3	2	6	6	2	0	0	7	16	8	7	4	0	0	0	0	0	14	0	4	0
September	5.9	S.	31	SW.	0	4	4	3	4	10	1	3	1	0	13	8	9	9	8	0	0	0	0	0	2	0	7	0
October	5.9	SE.	23	NW.	0	2	0	2	10	8	1	3	7	0	14	9	8	6	4	3	0	0	0	0	0	5	2	0
November	8.4	SE.	38	NW.	1	1	1	4	9	4	5	1	4	1	15	11	4	7	7	3	1	0	2	1	0	12	1	0
December	7.0	SW.	25	NW.	0	4	1	2	4	3	7	4	6	0	13	5	13	4	2	7	0	0	0	3	0	25	0	0
Year	7.1	S.	38	NW.	2	38	26	27	53	74	59	39	47	2	146	112	107	92	74	32	9	1	6	26	43	99	40	0

Annual meteorological summary for the year ending December 31, 1930—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: Extremes: Maximum	Temperature: Extremes: 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	29.848	30.350	29.440	41.3	51.4	50.0	57.2	38.9	48.0	76	24	37	38	39	85	62	68	0.243	0.252	0.260	3.35	1.38	5.5	6.0	4.2	6.2
February	29.768	30.130	29.310	43.9	59.3	57.5	64.3	42.6	53.4	83	27	36	34	36	73	41	46	.227	.221	.226	.65	.20	2.9	2.9	1.5	3.2
March	29.557	29.980	28.940	44.7	55.3	53.9	60.8	42.2	51.5	73	24	36	34	35	74	48	52	.235	.222	.227	2.31	1.05	4.9	4.8	3.9	4.8
April	29.681	30.100	29.180	57.3	71.5	68.0	76.4	54.6	65.5	93	42	48	42	45	73	39	48	.354	.297	.322	1.64	.72	3.6	4.0	4.4	4.2
May	29.691	29.940	29.340	68.0	79.7	75.1	84.1	63.5	73.8	92	50	59	56	57	74	46	56	.509	.471	.482	2.95	1.07	4.5	5.4	5.7	5.2
June	29.641	30.023	29.300	71.0	81.2	78.6	85.9	65.9	75.9	100	50	64	60	62	79	53	59	.606	.550	.566	3.98	1.31	5.5	5.6	5.7	5.5
July	29.613	29.840	29.390	76.3	87.9	83.3	93.0	71.7	82.4	104	65	70	68	69	80	55	66	.721	.700	.719	6.47	1.87	5.5	5.8	6.1	5.6
August	29.656	29.880	29.340	71.8	84.4	80.0	88.3	67.8	78.0	97	55	64	62	64	77	48	60	.605	.567	.607	1.59	1.18	3.9	4.0	4.2	4.1
September	29.669	29.940	29.490	72.1	82.8	76.9	86.8	69.3	78.0	96	58	68	67	68	88	60	75	.701	.667	.688	3.78	1.62	5.9	6.2	5.3	5.7
October	29.722	30.100	29.420	54.3	68.0	63.9	71.6	51.0	61.3	84	38	46	48	47	75	51	56	.337	.358	.343	1.92	1.08	3.2	4.0	3.3	3.6
November	29.827	30.350	29.280	46.1	55.8	53.4	59.9	44.1	52.0	74	26	40	45	44	80	70	72	.282	.333	.317	4.13	1.32	6.3	6.6	5.1	6.1
December	29.736	30.280	29.430	37.1	46.7	44.7	50.3	34.7	42.5	66	24	32	37	33	82	68	64	.189	.222	.197	2.74	1.03	5.1	5.0	5.1	5.3
Year	29.701	30.350	28.940	57.0	68.7	65.4	73.2	53.9	63.5	104	24	50	49	50	78	53	60	.417	.405	.413	35.51	1.87	4.8	5.0	4.5	5.0

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: Extremes: Maximum	Temperature: Extremes: 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	29.309	29.810	28.760	26.3	30.5	31.1	36.7	21.6	29.2	61	−8	22	24	25	85	75	77	0.144	0.149	0.154	4.86	1.06	7.1	7.3	6.6	7.5
February	29.185	29.540	28.800	36.5	42.3	42.0	47.9	33.0	40.4	70	8	30	31	32	76	66	68	.178	.189	.195	3.45	.96	7.4	7.6	5.7	7.6
March	28.978	29.590	28.330	33.3	41.9	41.4	47.7	29.5	38.6	70	10	27	26	30	77	56	66	.152	.150	.175	2.13	.80	5.5	5.5	5.4	5.8
April	29.164	29.540	28.540	47.3	58.9	57.7	64.5	43.8	54.2	88	28	37	36	40	69	45	54	.240	.237	.271	1.28	.32	4.6	5.4	5.5	5.2
May	29.173	29.550	28.850	59.2	70.1	67.5	74.2	54.5	64.4	89	42	49	47	48	69	46	52	.356	.338	.343	1.04	.44	4.1	5.5	5.3	5.3
June	29.125	29.491	28.844	66.0	78.4	76.4	82.4	61.5	72.0	95	47	54	52	54	68	42	49	.438	.403	.427	1.25	.49	3.7	5.7	5.1	4.5
July	29.119	29.383	28.820	70.3	82.7	83.1	88.3	65.8	77.0	101	49	56	54	54	63	40	40	.467	.433	.439	1.28	.52	3.9	4.4	3.3	3.5
August	29.173	29.430	28.990	65.9	78.5	77.3	83.3	62.7	73.0	98	54	55	54	54	70	47	49	.451	.429	.441	2.45	.93	5.3	5.1	5.6	5.1
September	29.146	29.390	28.740	62.3	74.2	71.0	78.5	59.4	69.0	89	43	54	54	54	76	53	58	.447	.460	.458	1.05	.31	4.9	5.2	4.6	4.7
October	29.236	29.630	28.860	46.6	58.7	55.9	63.2	44.5	53.8	84	25	38	37	39	72	46	56	.251	.247	.269	.70	.27	4.6	4.5	3.0	4.5
November	29.268	29.840	28.600	37.8	47.6	45.3	51.8	35.3	43.6	72	3	32	34	34	81	62	66	.207	.225	.220	1.31	.52	5.5	5.9	4.9	5.6
December	29.208	29.770	28.770	29.1	33.5	32.7	37.0	26.2	31.6	52	11	25	26	25	84	72	73	.139	.144	.141	.80	.32	7.7	7.9	6.5	7.7
Year	29.174	29.840	28.330	48.4	58.1	56.8	63.0	44.8	53.9	101	−8	40	40	41	74	54	59	.289	.284	.294	21.60	1.06	5.4	5.8	5.1	5.6

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: Extremes: Maximum	Temperature: Extremes: 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	30.560	29.340	18.2	26.7	-----	32.7	13.5	23.1	59	−10	15	21	---	86	78	---	0.099	0.124	-----	1.46	0.43	6.0	6.4	----	5.5
February	29.712	30.220	29.200	19.4	30.3	-----	36.8	14.4	25.6	66	−8	16	21	---	84	70	---	.099	.125	-----	.87	.40	4.0	5.6	----	4.7
March	29.425	30.026	28.710	28.7	37.4	-----	42.3	24.3	33.3	56	7	22	27	---	76	65	---	.128	.150	-----	4.34	2.09	4.0	5.0	----	4.0
April	29.666	30.325	28.760	38.9	51.0	-----	55.6	30.8	43.2	75	23	32	38	---	76	61	---	.184	.237	-----	1.29	.92	4.4	6.1	----	4.4
May	29.629	30.054	29.180	54.7	64.4	-----	68.2	45.3	56.8	89	35	48	52	---	78	66	---	.338	.404	-----	2.92	.99	5.5	6.3	----	5.9
June	29.636	30.063	29.100	67.6	76.9	-----	81.1	57.4	69.2	93	34	62	66	---	83	70	---	.570	.642	-----	1.89	.60	5.1	5.9	----	5.8
July	29.579	29.868	29.260	66.2	76.0	-----	79.7	57.7	68.7	93	44	61	66	---	84	73	---	.541	.645	-----	2.47	1.12	4.8	5.1	----	5.2
August	29.695	30.021	29.360	61.5	73.2	-----	76.8	54.6	65.7	91	41	59	66	---	91	78	---	.503	.636	-----	2.82	1.94	5.2	6.8	----	5.4
September	29.664	30.022	29.360	58.0	71.8	-----	75.4	50.7	63.0	87	36	54	60	---	88	68	---	.441	.545	-----	1.00	.34	4.0	4.6	----	4.1
October	29.733	30.063	29.020	41.5	54.3	-----	59.9	35.7	47.8	88	20	39	46	---	90	72	---	.243	.333	-----	2.76	1.82	4.4	4.5	----	4.3
November	29.829	30.410	28.570	33.9	44.3	-----	48.3	30.3	39.3	66	7	31	38	---	89	78	---	.182	.239	-----	3.14	1.30	6.1	5.1	----	5.0
December	29.685	30.370	28.980	23.3	30.9	-----	34.8	18.8	26.8	43	−1	20	26	---	84	80	---	.113	.142	-----	1.14	.53	7.0	6.4	----	6.2
Year	29.679	30.560	28.570	42.7	53.1	-----	57.6	36.1	46.9	93	−10	38	44	---	84	72	---	.287	.352	-----	26.10	2.09	5.0	5.6	----	5.0

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: Extremes: Maximum	Temperature: Extremes: 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	28.744	29.140	28.100	10.9	19.4	18.9	25.3	7.5	16.4	58	−13	5	9	10	76	65	67	0.057	0.071	0.073	0.68	0.27	5.1	5.0	4.4	5.3
February	28.516	29.000	27.960	36.5	49.6	49.5	56.5	33.8	45.2	77	10	29	32	32	75	52	52	.166	.186	.186	.14	.06	3.6	5.0	6.0	5.2
March	28.516	29.203	28.010	30.5	46.1	46.9	52.8	28.1	40.4	75	10	22	22	22	69	40	39	.125	.127	.130	.24	.18	3.6	4.3	3.3	4.2
April	28.519	28.790	28.060	47.6	63.6	64.0	68.9	46.0	57.4	93	26	37	39	39	71	47	48	.239	.259	.266	3.51	1.31	5.3	5.5	5.3	5.4
May	28.481	28.910	27.920	56.4	66.9	67.4	72.2	52.3	62.2	87	39	49	50	51	77	58	59	.359	.373	.396	5.52	1.89	5.4	5.1	4.5	4.8
June	28.457	28.830	28.120	65.2	78.0	77.6	82.4	61.0	71.7	100	47	57	58	58	76	53	54	.375	.492	.503	3.58	1.43	4.0	3.8	4.5	4.1
July	28.528	28.831	28.270	73.1	89.1	89.4	94.0	69.9	82.0	106	57	60	59	57	65	39	37	.520	.512	.479	2.17	.88	4.4	3.1	2.3	3.1
August	28.545	28.802	28.270	70.4	85.4	84.4	90.8	68.5	79.6	108	60	61	62	62	74	48	50	.542	.550	.563	1.85	1.01	5.0	4.2	4.8	4.6
September	28.500	28.878	28.000	61.2	77.6	73.3	81.9	58.5	70.2	93	43	54	55	55	80	48	56	.448	.462	.464	1.78	.63	3.2	3.1	4.0	3.7
October	28.611	29.060	28.060	47.2	58.6	56.2	62.9	44.6	53.8	87	23	41	42	43	80	56	62	.291	.306	.307	2.32	1.64	6.0	6.0	4.0	5.4
November	28.589	29.141	27.890	37.4	51.0	46.3	56.0	33.7	44.8	71	20	31	34	32	77	53	59	.187	.207	.191	3.14	2.08	2.5	3.4	3.3	3.3
December	28.675	29.098	28.360	27.4	35.8	34.1	40.0	24.7	32.4	57	14	23	27	26	83	70	72	.122	.143	.141	.10	.05	4.5	4.5	3.5	4.4
Year	28.558	29.203	27.890	47.0	60.1	59.0	65.3	44.0	54.7	108	−13	39	41	41	75	52	55	.286	.307	.308	25.08	2.08	4.4	4.4	4.2	4.4

Annual meteorological summary for the year ending December 31, 1930—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 33 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorm	Aurora
	Miles		*Mi.*																									
January	5.6	NE.	25	NE.	0	7	20	4	2	11	5	6	7	0	6	11	14	14	10	2	2	0	6	0	0	11	3	0
February	6.0	SW.	27	SW.	0	5	10	2	2	7	13	14	3	0	16	9	3	4	4	0	0	0	1	0	0	3	0	0
March	8.3	SW.	30	SW.	0	3	8	1	3	6	17	22	2	0	14	8	9	13	8	0	0	0	0	0	0	3	1	0
April	6.1	SW.	35	SW.	1	5	14	4	4	11	12	5	5	0	13	13	4	7	7	0	0	0	0	0	2	0	3	0
May	5.6	S.	30	SW.	0	2	11	4	4	19	11	7	3	1	11	9	11	9	6	0	0	0	0	0	2	0	7	0
June	5.5	S.	29	SW.	0	4	15	3	11	16	3	2	5	1	9	13	8	14	12	0	0	0	0	0	7	0	10	0
July	4.9	SW.	25	NW.	0	4	5	2	7	13	21	5	5	0	7	15	9	14	13	0	0	0	0	0	25	0	14	0
August	4.6	NE.	24	NW.	0	4	16	18	10	8	7	3	2	4	13	14	4	7	5	0	0	0	0	0	13	0	7	0
September	4.5	S.	25	SW.	0	6	9	6	4	15	14	4	2	0	4	18	8	14	11	0	0	0	1	0	8	0	9	0
October	4.9	NE.	18	SW.	0	15	23	5	1	2	4	6	5	1	16	9	6	5	2	0	0	0	0	0	0	0	0	0
November	6.1	NE.	26	W.	0	4	29	2	2	3	2	9	8	1	11	4	15	9	7	0	0	0	4	0	0	6	0	0
December	5.8	NE.	21	SW.	0	8	19	2	0	2	2	15	12	2	12	5	14	7	6	0	0	0	2	1	0	14	0	0
Year	5.7	NE.	35	SW.	1	67	179	43	50	113	111	98	59	10	132	128	105	117	91	2	2	0	14	1	57	37	54	0

COLUMBUS, OHIO

[H_b=822 ft.; h_t=216 ft.; h_r=209 ft.; h_a=230 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	9.7	S.	37	NW.	1	5	5	3	5	19	6	10	9	0	6	5	20	19	16	14	9	0	3	14	0	22	1	0
February	9.5	S.	38	NW.	3	5	1	3	5	20	7	6	9	0	3	6	19	10	8	9	2	0	1	3	0	16	2	0
March	11.4	W.	40	W.	3	7	4	6	2	12	10	9	11	1	12	4	15	13	8	11	7	0	1	3	0	21	1	0
April	9.7	NW.	40	NW.	3	3	4	9	6	6	9	5	17	1	9	12	9	11	9	2	0	0	0	0	0	5	3	0
May	8.6	S.	43	NW.	4	6	4	6	4	12	9	7	12	2	10	12	9	13	7	0	0	0	0	0	0	0	4	0
June	8.1	S.	51	NW.	3	7	0	3	5	17	3	14	10	1	10	17	3	10	5	0	0	0	0	0	6	0	10	0
July	8.3	SW.	41	NW.	1	9	9	1	3	7	13	8	10	2	16	14	1	6	5	0	0	1	0	0	13	0	7	0
August	6.8	N.	34	NW.	1	14	7	6	1	7	6	8	12	1	12	10	9	11	9	0	0	0	0	0	7	0	11	0
September	8.0	SW.	37	W.	1	6	6	4	7	11	14	7	5	0	12	10	8	7	6	0	0	0	0	0	0	0	5	0
October	8.1	NE.	30	W.	0	4	15	6	6	7	7	4	12	1	14	11	6	6	5	1	1	0	0	0	0	6	0	0
November	10.3	S.	37	W.	1	3	2	9	9	17	10	4	5	1	11	7	12	12	6	5	3	0	0	4	0	11	0	0
December	9.9	SW.	34	NW.	1	4	6	2	5	17	9	17	2	0	5	3	23	5	4	13	2	0	1	10	0	22	0	0
Year	9.0	S.	51	NW.	22	73	63	58	58	152	103	99	114	10	120	111	134	123	88	55	24	1	6	34	26	103	44	0

CONCORD, N. H.

[H_b=289 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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	4.5	NW.	19	NW.	0	12	3	2	3	3	2	3	3	0	12	6	13	10	7	9	4	0	1	17	0	25	0	0
February	5.0	NW.	27	NW.	0	4	5	2	2	1	1	3	10	0	14	6	8	8	4	9	6	0	3	12	0	26	0	0
March	7.4	NW.	26	NE.	0	5	5	1	1	0	1	6	12	0	15	10	6	10	8	5	1	0	0	3	0	25	1	0
April	6.2	NW.	23	NW.	0	3	8	1	3	1	2	1	11	0	12	13	5	5	5	4	1	0	0	0	0	16	0	0
May	5.5	NW.	23	NW.	0	6	6	3	3	1	2	5	5	0	10	8	13	13	13	0	0	0	0	0	0	0	6	1
June	5.1	SE.	27	W.	0	2	3	4	8	4	3	3	3	0	11	7	12	11	6	0	0	0	0	0	5	0	4	0
July	4.1	NW.	17	NW.	0	5	8	1	5	2	2	3	5	0	14	6	11	10	6	0	0	0	0	0	1	0	5	0
August	3.8	NW.	22	E.	0	7	8	3	7	2	1	0	3	0	12	9	10	10	8	0	0	0	1	0	1	0	4	0
September	3.8	NW.	15	W.	0	8	5	3	4	4	4	1	1	0	15	10	5	5	5	0	0	0	0	0	0	0	3	0
October	3.8	N.	20	NE.	0	13	4	2	4	1	3	0	4	0	16	6	9	9	8	1	0	0	1	0	0	9	0	0
November	4.5	NE.	22	NW.	0	5	6	1	3	3	4	2	5	1	14	5	11	11	8	3	0	0	2	3	0	19	1	0
December	4.2	NW.	19	NW.	0	5	8	0	5	1	0	3	9	0	10	5	16	10	4	12	10	0	0	7	0	28	0	0
Year	4.8	NW.	27	NW.	0	75	69	23	48	23	25	30	71	1	155	91	119	112	82	43	22	0	8	42	7	148	24	1

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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	7.6	N.	25	SW.	0	13	10	3	3	9	6	11	7	0	11	9	11	9	6	15	9	0	1	22	0	29	0	0
February	7.9	S.	27	S.	0	7	4	5	4	17	6	8	5	0	7	15	6	4	2	3	0	0	0	0	0	10	0	0
March	9.7	NW.	29	NW.	0	15	4	5	3	7	6	8	13	1	14	13	4	4	2	6	2	0	0	2	0	19	3	0
April	7.6	E.	29	NW.	0	3	5	16	10	9	2	8	6	1	11	8	11	10	6	0	0	0	0	0	1	2	6	0
May	8.1	S.	26	SW.	0	4	10	4	7	25	2	2	8	0	12	9	10	15	11	1	0	2	0	0	0	0	9	0
June	7.2	S.	24	S.	0	6	7	7	11	18	3	2	6	0	15	7	8	9	7	0	0	1	0	0	6	0	9	0
July	6.9	S.	22	NE.	0	3	8	3	2	34	8	1	3	0	20	6	5	7	5	0	0	1	0	0	21	0	6	0
August	5.9	S.	30	S.	0	1	1	14	9	19	9	3	2	4	12	17	2	12	5	0	0	2	0	0	13	0	12	0
September	6.1	S.	30	NW.	0	2	6	9	9	19	3	3	5	4	18	8	4	4	4	0	0	0	2	0	2	0	8	0
October	6.4	S.	28	NW.	0	6	2	3	10	18	3	7	4	9	11	7	13	8	5	1	0	0	0	0	0	9	2	0
November	8.4	S.	43	NW.	2	5	2	4	5	16	7	9	9	3	17	9	4	6	3	4	1	0	0	0	0	15	1	0
December	5.9	W.	21	NW.	0	7	6	3	2	8	7	20	8	1	16	4	11	5	1	4	3	0	0	5	0	29	0	0
Year	7.3	S.	43	NW.	2	72	65	76	75	199	62	82	76	23	164	112	89	93	57	34	15	6	3	29	43	113	56	0

Annual meteorological summary for the year ending December 31, 1930—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	30.164	30.710	29.700	45.4	50.4	50.3	55.6	41.7	48.6	76	14	42	45	44	89	81	80	0.306	0.334	0.320	0.75	0.28	7.4	7.8	7.3	8.2
February	30.024	30.390	29.520	59.0	66.5	63.9	69.7	56.4	63.0	78	45	57	58	56	92	76	78	.476	.495	.468	.37	.11	6.0	5.9	4.6	6.0
March	29.984	30.520	29.390	57.4	65.2	63.3	68.0	54.3	61.2	91	41	51	51	52	81	64	70	.396	.412	.419	2.21	.85	7.6	7.5	7.1	7.3
April	29.963	30.220	29.700	67.4	75.6	72.7	77.9	65.9	71.9	90	55	64	65	65	90	72	78	.609	.620	.625	1.53	.71	6.7	4.9	6.4	5.6
May	29.902	30.250	29.540	74.7	79.8	77.4	81.0	73.2	77.1	90	66	72	72	71	90	77	82	.773	.778	.773	4.37	1.63	8.0	8.3	8.5	8.3
June	29.919	30.090	29.700	77.7	84.8	82.3	85.8	75.9	80.8	93	70	73	73	73	87	68	74	.823	.822	.815	.69	.22	4.3	5.0	4.9	4.8
July	29.991	30.130	29.850	78.7	87.5	85.1	89.4	77.2	83.3	97	74	75	75	74	90	66	71	.877	.856	.851	1.29	.72	3.7	5.5	3.6	4.2
August	29.962	30.120	29.791	77.6	88.7	84.9	91.1	77.0	84.0	97	73	74	73	74	89	62	71	.844	.820	.842	.32	.32	4.8	4.6	3.3	3.6
September	29.899	30.100	29.690	76.7	85.4	83.0	87.9	75.4	81.6	96	67	72	73	74	86	66	75	.792	.808	.842	3.72	2.06	5.2	5.4	4.7	5.0
October	29.961	30.500	29.610	70.5	77.5	75.2	79.4	67.8	73.6	86	53	66	66	66	86	68	74	.665	.662	.668	7.72	2.28	6.7	7.5	6.5	6.7
November	30.094	30.480	29.560	60.8	67.6	64.8	69.8	58.1	64.0	83	40	55	55	56	82	67	75	.453	.465	.469	1.63	.52	7.5	7.7	6.0	7.4
December	30.146	30.470	29.790	51.1	58.7	57.6	61.7	48.9	55.3	77	33	46	47	49	84	66	74	.329	.341	.363	.71	.23	7.7	8.1	7.5	7.8
Year	30.001	30.710	29.390	66.4	74.0	71.7	76.4	64.3	70.4	97	14	62	63	63	87	69	75	.612	.618	.621	25.31	2.28	6.3	6.5	5.9	6.2

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	29.667	30.140	29.130	29.5	35.3	----	41.9	25.4	33.6	67	−3	25	26	---	82	72	---	0.152	0.157	----	1.30	0.36	5.5	6.0	----	5.8
February	29.489	29.850	28.970	49.6	59.4	----	65.5	47.3	56.4	80	34	43	44	---	80	62	---	.300	.312	----	1.90	.75	4.4	4.9	----	3.8
March	29.449	30.060	28.750	47.2	58.3	----	64.7	44.2	54.4	80	26	38	35	---	72	47	---	.250	.233	----	2.36	.99	4.1	4.7	----	3.1
April	29.429	29.730	29.110	61.3	75.8	----	81.2	60.0	70.6	95	54	51	50	---	71	46	---	.387	.383	----	1.61	.85	4.5	4.2	----	3.0
May	29.405	29.850	28.930	65.8	74.6	----	78.1	63.3	70.7	85	56	60	60	---	84	65	---	.549	.548	----	11.23	3.59	5.9	6.1	----	4.2
June	29.406	29.640	29.180	72.1	85.1	----	90.1	70.6	80.4	102	58	63	60	---	75	45	---	.594	.529	----	.30	.26	4.6	3.2	----	1.9
July	29.462	29.590	29.252	76.8	91.3	----	95.9	76.2	86.0	103	66	65	62	---	69	39	---	.633	.559	----	.01	.01	1.8	2.6	----	1.1
August	29.440	29.620	29.214	76.4	90.2	----	94.9	74.9	84.9	104	68	64	62	---	66	41	---	.596	.556	----	1.21	.56	2.9	3.6	----	2.4
September	29.407	29.620	29.090	70.3	83.6	----	88.2	68.6	78.4	98	55	63	61	---	78	48	---	.591	.555	----	1.65	.69	3.8	3.2	----	2.8
October	29.501	30.010	29.060	58.3	68.8	----	72.7	56.5	64.6	84	41	53	51	---	82	57	---	.424	.410	----	5.12	2.63	5.0	4.6	----	4.2
November	29.577	30.030	28.900	49.4	60.1	----	64.8	47.0	55.9	79	36	38	40	---	68	53	---	.262	.284	----	2.22	1.13	4.3	4.5	----	4.2
December	29.617	29.900	29.220	40.0	49.1	----	53.6	37.5	45.6	67	24	34	35	---	80	61	---	.204	.213	----	1.95	1.26	4.7	5.1	----	3.9
Year	29.487	30.140	28.750	58.1	69.3	----	74.3	56.0	65.1	104	−3	50	49	---	76	53	---	.412	.395	----	30.86	3.59	4.3	4.4	----	3.4

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	29.536	30.030	28.770	11.4	18.0	16.7	23.5	6.2	14.8	52	−18	8	12	12	88	77	81	0.072	0.081	0.079	2.05	0.74	5.7	5.2	5.6	5.3
February	29.330	29.880	28.895	32.5	40.5	40.3	45.4	29.0	37.2	69	−2	28	31	32	83	69	72	.172	.196	.198	2.38	2.04	5.7	7.3	5.8	6.5
March	29.244	29.750	28.900	30.8	41.9	41.9	47.9	28.8	38.4	72	8	23	22	24	72	45	49	.126	.123	.137	1.02	.72	4.6	4.9	4.6	4.9
April	29.347	29.600	28.950	45.1	58.9	58.6	63.9	42.7	53.3	91	31	36	36	36	73	47	48	.226	.233	.233	2.96	.87	4.6	4.3	4.8	4.7
May	29.311	29.757	28.790	56.2	67.7	68.2	72.7	52.8	62.8	88	39	48	48	48	76	51	52	.357	.356	.356	2.13	.83	5.0	5.9	4.3	5.3
June	29.268	29.550	28.952	65.5	75.8	75.5	80.6	61.3	71.0	96	50	57	57	57	74	54	55	.472	.479	.486	9.14	5.00	5.4	5.9	4.8	5.3
July	29.321	29.570	29.030	71.1	83.7	85.6	89.3	67.8	78.6	105	56	60	61	61	69	48	45	.521	.556	.557	1.94	1.15	4.2	4.9	3.2	4.1
August	29.377	29.650	29.124	67.8	81.9	79.9	86.0	65.2	75.6	103	56	58	58	59	72	46	51	.493	.494	.518	2.42	1.62	5.5	6.3	6.4	5.8
September	29.298	29.670	28.720	59.9	75.0	72.3	79.9	57.9	68.9	93	41	52	51	54	76	45	53	.409	.409	.439	.39	.21	4.6	4.3	3.5	4.1
October	29.420	29.910	28.970	46.1	57.0	54.0	60.6	43.7	52.2	88	23	41	42	42	82	58	65	.292	.302	.304	2.89	1.35	4.4	5.8	4.3	5.2
November	29.402	29.950	28.540	36.2	46.6	45.0	52.1	33.5	42.8	77	0	30	32	32	80	59	62	.195	.209	.206	1.72	.93	4.4	3.9	2.7	4.1
December	29.437	30.050	29.020	25.4	30.8	28.9	34.4	21.5	28.0	52	7	22	22	23	85	71	78	.121	.129	.131	.97	.53	6.4	6.2	5.6	6.3
Year	29.358	30.050	28.540	45.7	56.5	55.6	61.4	42.5	52.0	105	−18	39	39	40	78	56	59	.289	.297	.304	30.01	5.00	5.0	5.4	4.6	5.1

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	29.231	29.730	28.640	25.5	30.2	30.5	36.1	20.7	28.4	60	−11	22	23	24	88	74	75	0.146	0.146	0.147	5.27	1.37	6.4	6.4	6.1	7.3
February	29.105	29.450	28.720	37.3	42.9	42.4	48.4	35.0	41.7	69	10	32	31	33	79	63	70	.192	.191	.206	2.31	.83	6.4	6.1	5.1	7.0
March	28.906	29.470	28.260	33.7	43.3	41.6	48.5	30.7	39.6	70	14	28	28	30	80	56	63	.160	.164	.169	1.97	.76	4.3	4.5	5.3	5.2
April	29.082	29.460	28.520	48.1	60.2	57.9	65.0	44.7	54.8	88	31	39	38	39	71	46	52	.253	.250	.258	1.54	.43	4.3	4.3	5.4	5.0
May	29.082	29.480	28.780	60.4	70.4	67.6	74.4	55.1	64.8	88	43	50	47	49	70	47	55	.365	.343	.366	2.64	.86	3.4	4.1	5.1	4.4
June	29.029	29.382	28.740	67.2	77.7	76.7	82.3	61.4	71.8	96	47	56	52	54	68	45	48	.456	.407	.429	2.38	.97	2.8	4.1	4.2	4.4
July	29.048	29.293	28.750	70.7	84.2	83.2	89.3	65.8	77.6	101	51	58	54	54	64	38	39	.490	.434	.436	1.57	.87	2.7	3.0	3.2	3.3
August	29.095	29.360	28.920	66.3	80.2	76.9	84.4	62.7	73.6	98	54	58	54	56	76	45	52	.494	.445	.462	4.98	1.55	4.4	4.3	5.3	5.0
September	29.065	29.300	28.700	62.1	74.5	70.7	78.6	59.3	69.0	88	43	56	54	55	81	52	60	.474	.457	.469	2.76	.80	3.9	4.6	3.9	4.2
October	29.155	29.540	28.790	45.8	59.0	55.6	62.8	44.4	53.6	82	26	40	39	41	80	48	59	.272	.264	.287	1.17	.64	4.0	4.1	3.8	4.5
November	29.183	29.750	28.450	38.9	49.0	45.4	51.9	35.5	43.7	75	0	34	34	35	82	60	68	.221	.227	.227	1.37	.61	5.6	5.3	4.1	5.5
December	29.131	29.693	28.700	29.3	33.8	32.9	36.9	26.4	31.6	54	12	26	26	27	85	72	78	.143	.143	.151	.97	.44	7.7	7.5	7.5	7.9
Year	29.096	29.750	28.260	48.8	58.8	56.8	63.2	45.1	54.2	101	−11	42	40	41	77	54	60	.306	.289	.301	28.93	1.55	4.7	4.9	4.9	5.3

Annual meteorological summary for the year ending December 31, 1930—Continued

CORPUS CHRISTI, TEX

[H_b=20 ft.; h_t=11 ft.; h_r=63 ft.; h_a=78 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 33 miles and over	Wind: Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorm	Aurora
	Miles		*Mi.*																									
January	10.4	N.	31	N.	0	23	6	12	6	0	1	0	14	0	3	3	25	12	5	2	0	0	6	1	0	8	0	0
February	10.2	E.	32	N.	0	6	2	23	10	8	1	0	6	0	8	8	12	7	4	0	0	0	5	0	0	0	1	0
March	10.7	E.	32	N.	0	21	9	16	7	5	2	1	1	0	6	4	21	10	8	0	0	0	0	0	1	0	4	0
April	11.0	SE.	46	SE.	2	1	1	13	37	5	2	0	1	0	8	12	10	10	5	0	0	0	2	0	1	0	7	0
May	13.1	SE.	44	SE.	5	1	13	10	33	5	0	0	0	0	1	7	23	11	6	0	0	0	1	0	1	0	9	0
June	10.3	SE.	22	SE.	0	0	3	7	40	8	1	0	0	1	12	10	8	9	7	0	0	0	0	0	6	0	3	0
July	8.9	SE.	22	SE.	0	0	0	0	42	19	1	0	0	0	15	14	2	5	5	0	0	0	0	0	10	0	3	0
August	10.6	SE.	26	SE.	0	1	1	4	36	19	0	1	0	0	18	9	4	1	1	0	0	0	0	0	22	0	2	0
September	10.8	SE.	38	NE.	2	2	12	10	19	17	0	0	0	0	10	14	6	10	7	0	0	1	0	0	9	0	8	0
October	10.6	SE.	34	NE.	1	8	13	11	25	3	0	0	2	0	7	8	16	13	9	0	0	0	0	0	0	0	3	0
November	10.0	NE.	31	S.	0	12	20	7	9	6	2	1	3	0	6	7	17	10	8	0	0	0	1	0	0	0	1	0
December	8.0	N.	30	N.	0	22	16	1	9	5	1	0	8	0	2	8	21	10	6	0	0	0	3	0	0	0	0	0
Year	10.4	SE.	46	SE.	10	97	96	114	273	100	11	3	35	1	96	104	165	108	71	2	0	1	18	1	50	8	41	0

DALLAS, TEX.

[H_b=512 ft.; h_t= 220 ft.: h_r=194 ft.; h_a=227 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	10.2	NW.	34	W.	2	4	3	3	5	2	2	3	8	1	14	1	16	13	8	4	2	0	3	11	0	21	0	0
February	12.3	SE.	39	N.	2	4	3	1	14	1	3	1	1	0	17	5	6	8	5	0	0	0	2	0	0	0	3	0
March	12.3	SE.	47	SW.	4	3	0	3	6	4	3	6	6	0	18	8	5	8	6	1	0	1	1	0	0	2	3	0
April	11.8	SE.	45	NE.	1	0	3	1	14	3	4	4	0	1	22	5	3	5	5	0	0	1	0	0	2	0	4	0
May	11.5	SE.	57	SE.	4	2	5	6	14	0	3	1	0	0	15	8	8	14	11	0	0	4	0	0	0	0	16	0
June	10.6	SE.	32	NW.	0	2	2	1	16	5	2	1	1	0	23	6	1	4	2	0	0	0	0	0	15	0	2	0
July	9.8	SE.	30	S.	0	3	0	1	10	8	9	0	0	0	29	2	0	1	0	0	0	0	0	0	31	0	3	0
August	8.4	S.	34	NE.	1	1	4	4	9	9	3	0	1	0	24	5	2	5	4	0	0	1	0	0	26	0	6	0
September	8.9	SE.	50	W.	3	1	5	3	12	5	2	0	2	0	23	4	3	6	4	0	0	1	0	0	16	0	5	0
October	10.6	E.	27	N.	0	5	5	9	5	2	2	1	2	0	16	5	10	6	6	0	0	0	0	0	0	0	0	0
November	11.2	SE.	42	SW.	2	5	5	0	7	4	4	4	0	1	15	7	8	6	6	0	0	1	2	0	0	0	3	0
December	9.7	W.	36	W.	3	5	1	2	5	4	2	8	4	0	16	7	8	6	4	2	1	0	2	0	0	6	0	0
Year	10.6	SE.	57	SE.	22	35	36	34	117	47	39	29	25	3	232	63	70	82	61	7	3	9	10	11	90	29	45	0

DAVENPORT, IOWA

[H_b=606 ft.; h_t=71 ft.; h_r=64 ft.; h_a=50 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	9.7	W.	35	SW.	1	5	8	3	2	6	11	17	9	1	13	5	13	16	12	18	12	0	1	23	0	30	0	0
February	10.2	SW.	38	NW.	1	3	4	3	4	12	8	12	9	1	5	11	12	8	5	5	2	0	3	3	0	21	2	0
March	12.8	NW.	38	NW.	2	5	9	5	2	6	8	6	20	1	12	10	9	4	3	9	2	0	0	1	0	24	0	0
April	10.9	NW.	37	SW.	3	6	13	7	4	4	7	6	13	0	13	8	9	10	10	1	0	0	1	0	2	2	7	0
May	11.4	SW.	40	NW.	3	4	7	7	5	10	11	10	8	0	9	13	9	9	8	0	0	1	0	0	0	0	9	1
June	8.8	NW.	36	S.	1	5	7	1	2	12	9	10	11	3	11	10	9	15	15	0	0	0	0	0	2	0	10	0
July	6.4	SW.	30	SW.	0	8	4	7	2	10	10	8	6	7	15	10	6	6	4	0	0	1	1	0	15	0	6	0
August	5.3	NE.	38	NW.	1	3	17	9	2	4	6	12	7	2	10	8	13	10	7	0	0	0	0	0	10	0	8	0
September	7.8	S.	39	SW.	1	2	13	5	8	9	9	6	8	0	16	7	7	4	3	0	0	0	0	0	4	0	4	1
October	7.6	SE.	34	W.	1	1	5	9	13	7	1	15	8	3	12	7	12	9	6	2	1	0	2	0	0	8	2	0
November	10.7	SE.	36	SW.	3	2	1	2	16	11	14	6	8	0	14	9	7	7	6	5	1	0	4	4	0	12	0	0
December	8.7	W.	40	NW.	1	4	5	7	2	5	10	16	13	0	9	7	15	6	4	13	4	0	0	11	0	27	0	0
Year	9.2	NW.	40	NW.	18	48	93	65	62	96	104	124	120	18	139	105	121	104	83	53	22	2	12	42	33	124	48	2

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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	9.3	SW.	29	SW.	0	6	12	3	3	9	16	5	8	0	5	7	19	18	12	13	9	0	0	13	0	23	1	0
February	8.9	SW.	28	NW.	0	5	3	2	3	10	18	5	10	0	3	12	13	10	9	7	2	0	0	2	0	14	4	0
March	10.8	W.	30	W.	0	5	10	2	3	4	19	10	9	0	13	8	10	10	7	12	6	0	0	3	0	19	0	0
April	8.1	SW.	29	NW.	0	8	9	6	6	5	13	1	12	0	9	13	8	11	9	1	0	0	0	0	0	4	3	0
May	7.9	SW.	33	W.	1	6	6	5	4	11	16	5	9	0	13	12	6	9	7	0	0	0	0	0	0	0	3	0
June	7.2	SW.	33	SW.	1	6	7	0	1	11	21	5	9	0	12	16	2	9	8	0	0	1	0	0	3	0	8	0
July	6.4	N.	29	NW.	0	11	15	3	1	4	11	10	7	0	17	14	0	6	5	0	0	0	0	0	16	0	6	0
August	5.0	NE.	30	NW.	0	14	23	4	2	9	4	4	2	0	11	14	6	12	11	0	0	0	0	0	10	0	8	0
September	6.2	SW.	33	SW.	1	5	13	1	1	7	22	5	2	4	14	9	7	8	8	0	0	0	0	0	0	0	7	1
October	6.0	NE.	27	W.	0	6	19	1	4	6	7	8	8	3	15	8	8	6	4	1	0	0	0	0	0	6	0	0
November	8.0	SW.	28	NW.	0	4	3	6	6	13	16	7	5	0	11	7	12	8	6	6	2	0	1	4	0	11	0	0
December	8.2	SW.	20	SW.	0	3	5	5	2	7	20	11	9	0	3	6	22	10	5	15	7	0	0	8	0	22	0	0
Year	7.7	SW.	33	SW.	3	79	125	38	36	96	183	76	90	7	126	126	113	117	91	55	26	1	1	30	29	99	40	1

Annual meteorological summary for the year ending December 31, 1930—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	29.154	29.690	28.750	37.9	47.5	48.7	54.0	33.5	43.8	77	13	34	34	32	88	62	58	0.215	0.210	0.197	0.09	0.06	6.2	5.3	4.2	5.3
February	29.008	29.380	28.540	50.4	67.0	70.5	73.8	48.4	61.1	85	37	43	42	40	76	44	36	.297	.290	.265	.01	.01	4.5	3.3	2.1	3.3
March	28.977	29.550	28.450	51.4	65.4	66.7	70.1	49.3	59.7	89	34	41	38	36	70	41	38	.288	.251	.239	1.48	1.13	5.8	4.5	5.4	5.2
April	28.929	29.230	28.658	63.2	78.5	81.2	84.2	62.2	73.2	94	51	55	53	49	78	47	39	.457	.426	.385	2.01	1.67	5.8	4.9	4.1	4.8
May	28.900	29.380	28.560	70.0	81.2	81.4	84.7	68.4	76.6	94	53	64	60	58	83	55	53	.624	.564	.538	1.01	.47	8.1	6.0	6.7	6.6
June	28.908	29.130	28.660	73.0	84.0	85.8	88.3	72.0	80.2	97	63	68	68	66	86	61	55	.699	.689	.639	2.19	1.54	7.4	5.0	3.5	5.2
July	28.973	29.130	28.790	75.8	89.7	91.6	95.2	74.9	85.0	101	71	67	64	60	76	43	37	.674	.596	.531	.94	.38	2.7	3.0	2.1	2.8
August	28.943	29.100	28.731	76.1	91.9	94.4	97.5	75.8	86.6	101	69	65	61	56	69	37	28	.627	.550	.450	.08	.05	1.9	1.6	2.6	2.1
September	28.899	29.140	28.661	73.3	88.2	90.3	93.7	73.2	83.4	102	65	63	61	56	70	42	34	.593	.558	.469	.04	.04	3.4	2.5	3.5	3.0
October	28.976	29.470	28.710	64.1	71.9	71.5	76.0	62.2	69.1	90	45	60	59	59	86	66	67	.535	.528	.522	11.69	6.36	7.5	6.6	5.9	6.5
November	29.103	29.560	28.540	52.9	62.7	61.1	65.9	49.3	57.6	80	36	48	45	48	84	57	65	.354	.329	.354	2.19	.95	6.1	6.3	5.8	6.3
December	29.142	29.450	28.760	42.6	55.1	54.2	58.9	40.1	49.5	71	27	36	34	36	79	47	52	.224	.208	.222	.70	.36	4.3	4.9	5.0	5.0
Year	28.993	29.690	28.450	60.9	73.6	74.8	78.5	59.1	68.8	102	13	54	52	50	79	50	47	.466	.433	.401	22.43	6.36	5.3	4.5	4.2	4.7

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	24.663	24.980	24.250	10.9	21.6	21.0	27.7	6.1	16.9	57	−20	4	8	10	73	59	64	0.053	0.064	0.069	0.48	.16	3.2	4.8	3.7	3.9
February	24.660	24.980	24.280	35.3	47.7	47.0	54.0	30.6	42.3	71	19	22	20	22	61	37	41	.117	.107	.117	.16	.14	2.1	4.9	5.5	4.7
March	24.651	25.170	24.250	29.6	42.6	43.1	48.8	25.5	37.2	69	7	17	17	17	63	42	41	.093	.094	.096	.44	.11	3.9	5.1	6.0	5.4
April	24.687	25.050	24.340	44.1	61.7	63.6	68.2	42.8	55.5	81	26	32	29	30	65	33	33	.186	.165	.176	.60	.24	3.5	5.1	6.2	5.2
May	24.653	25.050	24.290	46.1	60.7	60.6	66.6	42.7	54.6	87	30	34	32	34	66	39	43	.204	.185	.202	1.07	.45	5.5	5.4	6.5	5.7
June	24.717	25.050	24.420	57.3	77.1	78.8	82.8	55.6	69.2	96	46	39	33	35	54	22	24	.247	.195	.213	.17	.09	1.2	2.7	4.3	2.5
July	24.840	25.070	24.600	64.1	81.1	80.1	85.3	62.6	74.0	96	54	48	42	44	60	31	35	.349	.282	.310	1.76	.80	4.2	4.5	7.0	5.0
August	24.849	25.000	24.619	61.5	77.9	76.3	82.5	60.8	71.6	91	55	52	48	50	71	38	45	.388	.343	.375	2.02	1.26	5.0	4.6	6.5	5.2
September	24.761	25.080	24.400	52.3	71.3	71.5	76.4	51.1	63.8	86	36	38	33	38	60	27	33	.237	.200	.240	.27	.09	4.0	4.0	6.1	4.7
October	24.733	25.050	24.310	41.9	56.5	56.7	61.4	38.9	50.2	80	26	30	27	30	65	37	40	.176	.158	.177	.63	.47	3.6	3.5	3.6	3.8
November	24.745	25.230	24.060	32.5	47.7	46.0	52.5	28.2	40.4	70	11	16	17	19	52	35	40	.087	.093	.103	.90	.54	3.0	3.3	2.9	3.3
December	24.778	25.010	24.526	23.9	37.7	35.3	43.6	20.8	32.2	61	9	13	16	19	62	41	50	.080	.086	.099	.62	.32	3.2	3.5	3.7	3.6
Year	24.728	25.230	24.060	41.6	57.0	56.7	62.5	38.8	50.7	96	−20	29	27	29	63	37	41	.185	.164	.181	9.12	1.26	3.5	4.3	5.2	4.4

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	29.296	29.763	28.658	8.9	15.7	15.0	21.5	3.2	12.4	54	−20	6	8	9	86	71	77	0.060	0.065	0.068	1.41	0.43	4.8	4.5	4.7	4.7
February	29.060	29.642	28.520	33.1	42.6	41.5	47.2	29.1	38.2	78	−10	28	30	30	80	63	64	.162	.183	.179	.50	.21	5.9	6.5	5.0	6.4
March	29.021	29.560	28.650	30.4	43.2	43.2	48.7	27.5	38.1	77	7	23	23	23	73	45	46	.127	.131	.131	1.12	.87	4.8	5.5	4.3	5.1
April	29.069	29.350	28.680	44.6	60.7	60.5	64.6	42.6	53.6	92	28	36	36	36	74	44	47	.225	.228	.235	2.35	1.04	5.3	5.9	5.5	5.8
May	29.041	29.450	28.350	55.7	66.4	66.6	70.8	51.4	61.1	87	38	49	49	49	78	56	56	.362	.369	.366	3.36	1.17	5.6	6.1	5.5	5.9
June	29.014	29.320	28.700	63.9	76.6	77.2	80.4	60.0	70.2	95	47	57	56	58	79	52	53	.475	.474	.498	3.69	1.36	4.9	5.2	5.1	5.6
July	29.063	29.340	28.800	72.3	87.3	89.1	92.2	68.6	80.4	106	50	60	58	58	66	40	37	.528	.503	.509	.56	.30	4.5	4.5	3.4	4.0
August	29.119	29.400	28.830	67.0	82.9	82.2	86.8	64.8	75.8	105	53	59	58	58	76	46	46	.509	.501	.502	1.00	.43	6.2	5.9	6.3	6.0
September	29.040	29.420	28.400	58.3	76.9	73.9	80.8	55.6	68.2	94	39	50	51	51	75	42	48	.384	.405	.408	1.53	1.35	4.4	4.7	4.4	4.8
October	29.160	29.670	28.680	46.6	57.1	54.7	61.0	43.6	52.3	86	21	40	41	41	80	56	62	.278	.291	.300	2.64	1.10	5.3	5.0	4.7	5.5
November	29.122	29.660	28.180	36.2	49.4	45.9	54.0	32.7	43.4	72	9	30	33	32	76	52	58	.182	.207	.205	1.05	.74	5.3	4.7	3.8	5.0
December	29.194	29.750	28.780	25.7	31.8	30.3	35.5	21.7	28.6	61	10	21	22	23	81	66	73	.115	.119	.127	.36	.21	5.6	6.7	6.1	6.5
Year	29.102	29.763	28.180	45.1	57.6	56.7	62.0	41.7	51.9	106	−20	38	39	39	77	53	56	.284	.290	.294	19.57	1.36	5.2	5.4	4.9	5.4

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	29.364	29.920	28.720	20.8	24.3	23.6	29.3	16.4	22.8	50	−7	19	21	20	91	85	85	0.114	0.118	0.117	3.85	0.83	7.7	7.3	6.8	7.6
February	29.220	29.640	28.789	31.1	35.2	34.3	40.3	27.3	33.8	65	3	28	30	30	86	82	82	.166	.185	.181	1.67	.52	8.3	6.9	6.1	7.3
March	29.032	29.780	28.300	29.4	36.9	35.6	41.8	26.9	34.4	70	15	26	30	30	85	78	80	.141	.176	.171	1.98	.79	5.5	5.7	5.4	5.7
April	29.238	29.600	28.594	41.7	51.5	49.5	57.0	38.1	47.6	86	27	36	43	41	82	74	75	.225	.293	.277	3.60	1.66	4.8	5.8	6.3	6.2
May	29.231	29.640	28.840	55.8	65.6	62.8	70.1	51.8	61.0	87	40	49	52	54	80	64	73	.362	.413	.429	3.15	1.20	4.8	5.5	6.2	5.4
June	29.162	29.507	28.830	65.5	75.6	73.6	80.0	61.0	70.5	89	47	54	55	56	68	50	55	.433	.443	.454	2.70	1.06	4.0	4.6	5.9	4.7
July	29.200	29.490	28.840	69.5	79.6	76.9	85.0	64.3	74.6	100	53	56	55	57	62	45	52	.454	.458	.473	.50	.46	3.5	4.1	3.6	4.2
August	29.264	29.557	29.020	67.2	78.2	75.6	82.4	64.6	73.5	96	54	54	52	55	64	42	52	.428	.392	.449	.90	.46	3.9	4.8	5.5	3.7
September	29.217	29.499	28.690	59.9	70.8	67.2	75.1	57.4	66.2	87	42	52	52	53	76	55	62	.414	.421	.428	2.97	1.13	4.1	5.5	3.4	3.5
October	29.322	29.680	28.890	46.0	54.8	52.3	58.5	44.6	51.6	80	28	42	44	44	86	67	74	.289	.314	.317	1.80	.98	4.6	5.9	4.9	5.8
November	29.311	29.880	28.652	38.2	45.2	42.9	49.3	34.7	42.0	67	9	34	38	37	87	77	80	.217	.246	.237	1.72	1.11	5.8	6.4	4.0	5.9
December	29.261	29.880	28.740	27.9	30.9	30.3	34.7	24.5	29.6	52	5	25	27	27	88	85	88	.139	.151	.152	1.10	.29	7.5	7.5	7.1	7.8
Year	29.235	29.920	28.300	46.1	54.0	52.0	58.6	42.6	50.6	100	−7	40	42	42	80	67	72	.282	.301	.307	25.94	1.66	5.4	5.8	5.4	5.6

Annual meteorological summary for the year ending December 31, 1930—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 33 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorm	Aurora
	Miles		Mi.																									
January	7.6	SE.	38	N.	1	19	1	7	20	5	2	2	6	0	9	13	9	4	1	0	0	0	1	0	0	12	0	0
February	7.4	SE.	26	NW.	0	8	3	10	20	5	0	1	8	1	14	12	2	1	0	0	0	0	0	0	0	0	0	0
March	8.8	SE.	33	NW.	1	12	3	13	23	7	0	0	4	0	11	10	10	5	3	0	0	0	0	0	0	0	1	0
April	9.0	SE.	40	E.	1	0	5	11	34	6	0	1	2	1	10	12	8	5	3	0	0	0	0	0	4	0	5	0
May	9.3	SE.	42	NW.	1	3	3	6	41	3	1	1	4	0	6	6	19	8	5	0	0	0	0	0	6	0	2	0
June	9.7	SE.	22	SE.	0	2	3	10	39	6	0	0	0	0	11	11	8	8	6	0	0	0	0	0	14	0	4	0
July	9.2	SE.	27	E.	0	0	2	15	37	6	0	1	1	0	22	8	1	3	3	0	0	0	0	0	29	0	4	0
August	8.1	SE.	23	SE.	0	0	3	18	33	7	0	0	1	0	25	6	0	2	1	0	0	0	0	0	31	0	1	0
September	7.6	SE.	26	N.	0	0	4	14	32	8	0	0	0	2	20	8	2	1	1	0	0	0	0	0	25	0	3	0
October	7.8	SE.	21	NW.	0	2	2	11	26	6	0	3	12	0	6	7	18	15	10	0	0	0	0	0	0	0	0	0
November	5.5	NW.	38	NW.	1	7	2	12	14	7	2	0	15	1	7	9	14	12	9	0	0	0	2	0	0	0	2	0
December	6.3	SE.	28	NW.	0	8	4	7	15	7	2	0	18	1	10	11	10	3	3	0	0	0	0	0	0	2	0	0
Year	8.0	SE.	42	NW.	5	61	35	134	334	73	7	9	71	6	151	113	101	67	45	0	0	0	3	0	109	14	22	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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	5.9	N.	19	W.	0	19	8	3	2	15	7	3	5	0	16	11	4	11	6	16	11	0	1	18	0	31	0	0
February	6.9	S.	26	NW.	0	6	7	1	1	18	5	8	10	0	8	14	6	3	1	8	3	0	0	0	0	15	0	0
March	7.3	S.	35	W.	1	12	13	0	1	17	3	9	7	0	9	13	9	10	7	14	9	0	0	5	0	28	0	0
April	6.4	S.	32	NW.	0	10	5	4	3	21	6	2	9	0	10	12	8	12	5	0	0	1	0	0	0	1	10	0
May	7.2	S.	34	SE.	1	6	6	4	8	17	4	2	14	1	8	13	10	10	6	4	3	0	0	0	0	2	3	0
June	6.5	S.	29	NW.	0	8	8	4	3	20	5	5	7	0	22	6	2	3	2	0	0	0	0	0	5	0	8	0
July	6.1	S.	27	SE.	0	5	5	4	8	21	5	6	7	1	9	15	7	8	5	0	0	0	0	0	11	0	4	0
August	5.5	S.	26	NW.	0	4	8	4	6	21	8	3	7	1	8	18	5	12	7	0	0	1	0	0	3	0	21	0
September	5.9	S.	28	W.	0	5	6	4	4	22	5	3	11	0	14	10	6	4	3	0	0	0	0	0	0	0	3	0
October	5.9	S.	32	NE.	0	12	7	3	6	17	2	3	12	0	16	11	4	7	4	4	2	0	1	0	0	7	4	0
November	6.7	S.	37	W.	1	11	7	2	4	26	6	1	3	0	16	11	3	3	3	6	3	0	1	1	0	17	0	0
December	6.2	S.	20	W.	0	5	4	2	3	36	8	1	3	0	14	13	4	4	3	5	4	0	0	4	0	30	0	0
Year	6.4	S.	37	W.	3	103	84	35	49	251	64	46	95	3	150	147	68	87	52	57	35	2	3	28	19	131	53	0

DES MOINES, IOWA

[H_b=861 ft.; h_t=5 ft.; h_r=3 ft.; h_a=99 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	9.2	NW.	25	NW.	0	12	2	1	6	10	9	3	19	0	13	8	10	12	10	18	12	0	2	23	0	30	0	0
February	9.2	S.	31	NW.	0	5	2	3	8	11	4	11	11	1	7	9	12	5	4	6	1	1	1	3	0	20	2	0
March	12.2	NW.	37	NW.	2	14	1	4	6	7	5	2	21	2	12	10	9	4	3	8	2	1	0	2	0	25	1	0
April	9.5	E.	31	S.	0	8	5	13	10	3	5	2	11	3	8	9	13	10	9	0	0	0	2	0	1	2	6	0
May	10.3	S.	36	NW.	2	9	5	3	11	16	5	2	10	1	9	6	16	9	8	0	0	1	0	0	0	0	5	4
June	8.7	S.	35	S.	2	6	1	2	16	14	6	1	14	0	6	16	8	10	9	0	0	0	0	0	4	0	8	1
July	7.9	SW.	33	NW.	1	10	1	4	11	16	14	1	5	0	14	14	3	3	2	0	0	0	0	0	20	0	4	1
August	6.2	E.	25	S.	0	10	2	14	14	10	7	0	3	2	6	14	11	12	6	0	0	0	1	0	13	0	10	0
September	7.9	S.	38	NW.	1	6	5	12	7	12	5	3	9	1	12	9	9	5	3	0	0	1	1	0	4	0	6	0
October	8.4	SE.	34	W.	1	1	1	7	18	6	5	10	13	1	12	5	14	10	8	3	1	0	1	0	0	8	2	0
November	10.6	S.	40	NW.	2	4	0	4	17	13	7	4	10	1	12	7	11	8	4	4	2	0	1	3	0	13	3	0
December	8.1	NW.	30	NW.	0	9	1	8	5	4	7	14	13	1	9	6	16	4	4	12	2	0	1	11	0	27	0	0
Year	9.0	S.	40	NW.	11	94	26	75	129	122	79	53	139	13	120	113	132	92	70	51	20	4	10	42	42	125	47	6

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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	9.7	SW.	34	SW.	3	7	5	7	2	4	20	11	5	1	2	13	16	21	15	19	14	0	1	20	0	27	0	0
February	8.2	SW.	30	W.	0	6	3	4	8	5	15	15	0	0	5	6	17	13	10	12	7	0	2	9	0	19	1	0
March	10.9	W.	27	SW.	0	9	7	5	3	1	11	22	4	0	10	8	13	14	9	12	10	0	0	4	0	26	0	0
April	9.0	E.	37	SW.	2	8	3	13	9	1	12	7	7	0	5	16	9	12	8	4	2	0	0	0	0	7	2	0
May	8.8	W.	42	W.	2	6	5	7	7	5	10	15	7	0	9	12	10	14	11	0	0	0	0	0	0	0	5	1
June	8.3	W.	32	W.	0	6	0	1	2	9	6	20	7	0	13	10	7	10	6	0	0	0	0	0	0	0	8	0
July	7.8	SW.	26	SW.	0	6	10	7	4	7	9	14	5	0	12	14	5	4	2	0	0	0	0	0	9	0	5	0
August	7.4	SW.	25	NE.	0	5	11	7	3	4	12	9	11	0	17	8	6	8	4	0	0	0	0	0	6	0	5	0
September	8.3	SW.	48	SW.	2	3	7	4	1	6	18	16	5	0	17	8	5	9	6	0	0	0	1	0	0	0	5	1
October	7.3	E.	28	W.	0	5	7	12	7	3	10	12	6	0	8	11	12	8	6	4	1	0	4	0	0	6	2	0
November	9.7	SW.	34	SW.	1	4	2	10	5	4	20	10	5	0	10	7	13	9	5	8	6	0	5	3	0	10	0	0
December	9.2	SW.	28	SW.	0	9	3	7	1	1	17	17	7	0	6	3	22	13	10	11	10	0	2	9	0	22	0	0
Year	8.7	W.	48	SW.	10	74	63	84	52	50	160	177	69	1	114	116	135	135	92	70	50	0	15	45	15	117	33	2

Annual meteorological summary for the year ending December 31, 1930—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	28.547	29.180	28.000	−9.2	−1.2	−3.4	3.5	−14.0	−5.2	26	−35	−11	−4	−6	89	87	89	0.026	0.036	0.032	0.06	0.03	3.9	6.5	3.4	6.1
February	28.269	28.791	27.830	15.2	20.9	18.9	24.8	9.4	17.1	48	−23	13	18	16	89	86	88	.085	.104	.099	1.32	.59	7.0	7.1	5.9	6.5
March	28.356	28.860	27.680	18.5	28.1	26.8	32.5	14.3	23.4	51	−7	15	22	22	84	77	82	.090	.120	.120	.13	.08	5.1	3.9	4.2	4.3
April	28.424	28.740	28.000	36.8	53.2	51.7	57.4	35.0	46.2	76	21	31	32	34	79	45	53	.181	.193	.213	1.05	.52	5.3	4.9	5.3	5.2
May	28.331	28.811	27.750	43.4	56.0	55.3	60.7	39.1	49.9	87	28	37	38	38	80	57	59	.231	.246	.245	3.61	1.22	6.1	5.6	6.4	6.4
June	28.274	28.670	27.560	56.8	69.8	68.3	74.1	52.5	63.3	85	38	51	50	50	78	52	56	.378	.379	.378	3.65	1.25	5.7	5.9	5.0	6.0
July	28.377	28.730	28.105	62.2	79.9	78.4	84.9	57.2	71.0	98	46	56	56	56	82	48	49	.464	.464	.472	.67	.34	3.9	3.5	3.6	4.0
August	28.440	28.830	28.050	58.8	79.5	75.9	83.3	55.7	69.5	95	41	51	51	53	77	40	47	.377	.384	.407	.62	.32	3.7	4.7	4.2	4.8
September	28.339	28.770	27.730	44.8	64.5	61.4	68.5	42.5	55.5	90	17	39	40	39	82	42	45	.256	.260	.257	.96	.40	5.1	4.0	4.2	4.6
October	28.406	28.880	27.950	34.1	44.8	41.3	47.9	31.5	39.7	67	14	32	34	34	93	68	75	.196	.223	.213	2.26	1.53	7.3	5.9	6.5	7.3
November	28.403	29.090	27.490	22.3	32.4	29.3	37.7	17.8	27.8	61	−11	20	22	22	92	70	78	.115	.125	.125	.81	.21	5.1	7.0	5.0	7.1
December	28.419	29.025	27.967	14.8	21.5	18.9	25.6	8.4	17.0	38	−18	14	18	17	94	85	92	.084	.101	.097	.23	.11	5.5	5.8	4.7	6.5
Year	28.382	29.180	27.490	33.2	45.8	43.6	50.1	29.1	39.6	98	−35	29	31	31	85	63	68	.207	.220	.222	15.37	1.53	5.3	5.4	4.9	5.7

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	27.534	27.930	27.030	12.8	26.0	22.3	30.8	8.4	19.6	58	−12	8	14	13	82	62	70	0.066	0.087	0.082	0.32	0.10	5.2	3.7	3.5	4.2
February	27.383	27.812	26.900	34.7	56.6	52.3	62.5	31.8	47.2	80	22	28	27	28	75	34	41	.152	.150	.157	.04	.03	3.3	3.3	3.0	2.9
March	27.380	28.020	26.820	28.4	50.4	49.3	56.3	26.2	41.2	77	7	20	22	21	71	35	35	.118	.124	.118	.07	.04	3.2	2.9	2.4	2.7
April	27.373	27.710	26.928	47.0	67.9	67.2	73.5	45.2	59.4	91	29	37	39	40	70	41	43	.233	.256	.267	2.79	2.29	4.4	4.1	4.8	4.1
May	27.346	27.765	26.912	52.9	69.7	68.1	74.1	49.6	61.8	91	36	47	47	47	80	48	51	.328	.330	.334	3.28	1.29	3.3	4.2	3.5	3.7
June	27.343	27.720	27.034	64.6	83.0	81.4	87.4	62.0	74.7	105	50	56	56	54	76	42	44	.454	.455	.438	1.27	.53	2.6	3.0	3.3	2.8
July	27.440	27.730	27.222	69.6	90.4	89.2	94.4	67.9	81.2	104	60	56	55	54	65	33	33	.463	.440	.421	1.54	1.24	3.4	2.2	2.5	2.5
August	27.434	27.680	27.210	68.4	89.0	87.5	93.5	67.3	80.4	105	60	59	58	56	74	37	38	.508	.486	.459	.55	.29	2.3	2.5	2.5	2.0
September	27.384	27.730	27.060	59.8	79.5	75.3	84.5	58.1	71.3	94	40	52	53	53	78	42	48	.412	.424	.427	2.70	1.16	3.1	1.8	1.6	2.2
October	27.458	27.860	27.000	46.6	60.6	56.4	64.7	44.8	54.8	90	29	43	43	46	86	55	70	.264	.307	.338	4.24	1.98	4.8	5.0	5.6	4.9
November	27.451	27.980	26.830	35.7	53.5	46.4	58.2	33.3	45.8	74	23	30	32	33	81	48	61	.174	.190	.192	1.77	1.47	2.4	2.5	2.3	2.6
December	27.528	27.853	27.231	25.3	38.8	34.2	43.1	23.3	33.2	59	11	22	27	27	86	65	75	.117	.147	.147	.57	.49	2.6	4.2	2.8	3.3
Year	27.421	28.020	26.820	45.5	63.8	60.8	68.6	43.2	55.9	105	−12	38	39	39	77	45	51	.274	.283	.282	19.14	2.29	3.4	3.3	3.2	3.2

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	29.427	29.960	28.630	8.6	16.1	14.6	20.9	2.8	11.8	48	−24	4	8	10	80	69	81	0.061	0.071	0.072	2.95	0.66	5.2	5.6	5.8	6.1
February	29.215	29.790	28.790	30.1	37.9	36.7	41.9	25.5	33.7	65	−5	27	29	30	88	70	78	.161	.174	.184	1.19	.52	5.5	6.6	7.8	6.6
March	29.141	29.700	28.760	28.8	39.3	39.4	45.1	26.2	35.6	74	6	23	23	26	78	52	59	.125	.127	.146	1.23	.63	5.4	4.8	5.1	5.1
April	29.261	29.520	28.840	42.9	56.0	56.2	60.5	40.7	50.6	92	26	35	36	37	76	52	53	.217	.232	.242	4.34	2.08	4.0	4.5	5.9	4.4
May	29.209	29.690	28.650	54.8	65.4	65.9	70.1	50.5	60.3	88	37	47	48	49	77	56	56	.346	.361	.367	4.33	1.75	5.5	5.6	5.2	5.2
June	29.168	29.450	28.800	63.3	74.4	75.1	78.6	59.5	69.0	94	47	57	57	59	80	57	59	.472	.481	.512	5.21	2.08	4.9	4.4	5.4	4.9
July	29.228	29.490	28.900	68.8	81.2	83.3	86.1	65.8	76.0	99	51	60	59	61	74	50	50	.524	.531	.562	.94	.66	4.5	4.3	3.5	3.9
August	29.296	29.560	28.990	65.4	81.1	79.8	85.1	63.3	74.2	103	53	58	57	58	78	46	50	.493	.480	.508	1.92	1.58	5.6	5.7	5.2	5.0
September	29.207	29.590	28.550	56.7	72.8	69.6	76.7	54.6	65.6	89	36	51	49	50	81	45	52	.392	.379	.390	2.52	1.36	4.0	3.7	4.3	3.5
October	29.323	29.830	28.870	44.8	54.1	52.0	57.7	42.5	50.1	86	22	40	41	41	84	62	67	.283	.294	.295	2.59	1.21	5.0	6.4	5.4	6.0
November	29.289	29.860	28.420	34.9	45.0	43.1	49.9	31.3	40.6	72	−2	30	32	32	82	61	67	.190	.204	.205	.79	.32	5.8	3.9	3.8	4.3
December	29.329	29.940	28.880	23.1	28.2	26.8	32.2	18.7	25.4	52	0	20	23	23	88	78	85	.116	.125	.128	1.24	.45	6.7	6.1	6.0	6.2
Year	29.258	29.960	28.420	43.5	54.3	53.5	58.7	40.1	49.4	103	−24	38	38	40	80	58	63	.282	.288	.301	28.35	2.08	5.2	5.1	5.3	5.1

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
January	29.459	29.950	29.090	38.3	49.5	-----	54.4	35.3	44.8	75	23	35	38	---	87	66	---	0.218	0.250	-----	3.05	0.69	6.6	6.2	-----	6.0
February	29.398	29.740	28.920	41.6	57.2	-----	62.1	39.6	50.8	79	26	35	36	---	78	48	---	.219	.239	-----	.92	.57	3.4	3.2	-----	3.2
March	29.177	29.600	28.540	42.2	53.8	-----	58.5	38.7	48.6	71	21	35	35	---	77	52	---	.222	.224	-----	2.96	1.47	5.2	4.7	-----	4.9
April	29.316	29.700	28.840	55.2	70.2	-----	74.7	50.4	62.6	89	41	46	45	---	72	44	---	.322	.318	-----	1.30	.52	4.9	5.0	-----	4.5
May	29.329	29.550	28.990	66.1	77.1	-----	81.7	60.9	71.3	91	49	58	56	---	76	52	---	.495	.472	-----	2.31	.61	5.2	6.5	-----	5.0
June	29.284	29.646	28.910	70.2	81.4	-----	86.2	64.5	75.4	102	53	62	60	---	77	51	---	.571	.535	-----	2.59	.98	5.6	5.1	-----	5.3
July	29.261	29.471	29.040	76.3	88.3	-----	92.9	70.0	81.4	105	62	67	66	---	75	51	---	.671	.644	-----	6.47	4.06	5.3	5.0	-----	5.5
August	29.295	29.610	29.010	71.0	84.9	-----	88.5	66.5	77.5	96	53	63	62	---	77	47	---	.592	.567	-----	.78	.29	4.0	3.8	-----	4.1
September	29.306	29.570	29.120	70.8	81.8	-----	85.2	66.7	76.0	96	56	66	65	---	86	60	---	.653	.638	-----	2.15	1.13	5.3	6.7	-----	6.4
October	29.367	29.730	29.040	53.2	67.3	-----	70.7	49.2	60.0	84	33	46	46	---	76	48	---	.329	.334	-----	.81	.56	3.8	4.1	-----	4.0
November	29.455	29.970	28.910	43.9	54.0	-----	56.9	41.8	49.4	78	23	39	40	---	82	62	---	.268	.283	-----	5.53	1.52	5.9	6.4	-----	6.1
December	29.350	29.860	29.050	32.8	44.3	-----	47.7	31.1	39.4	64	18	29	31	---	84	60	---	.162	.181	-----	3.45	1.77	4.7	5.6	-----	5.0
Year	29.333	29.970	28.540	55.1	67.5	-----	71.6	51.2	61.4	105	18	48	48	---	79	53	---	.394	.390	-----	32.32	4.06	5.0	5.2	-----	5.1

Annual meteorological summary for the year ending December 31, 1930—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 33 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorm	Aurora
	Miles		*Mi.*																									
January	8.2	W.	26	N.	0	14	1	3	5	1	8	17	13	0	10	6	15	4	0	15	4	0	0	31	0	31	0	0
February	9.4	NW.	36	N.	3	7	6	3	10	7	4	8	11	0	7	8	13	10	4	13	9	0	0	20	0	26	0	2
March	10.3	NW.	40	NW.	1	13	2	1	8	5	10	6	17	0	13	12	6	6	1	9	6	0	0	15	0	31	0	2
April	8.9	SE.	34	NW.	2	7	7	11	11	5	8	4	7	0	12	8	10	9	4	2	1	0	2	0	0	10	2	0
May	11.0	N.	48	NE.	2	7	11	3	9	10	5	2	15	0	6	11	14	12	10	2	1	1	0	0	0	6	1	1
June	9.0	S.	34	W.	1	5	8	3	11	8	6	10	9	0	6	11	13	14	9	0	0	1	0	0	0	0	4	0
July	6.7	SE.	24	NE.	0	13	4	7	9	6	6	3	8	6	12	14	5	7	4	0	0	0	0	0	0	8	4	1
August	6.1	SE.	21	N.	0	6	5	12	10	4	9	5	10	1	14	5	12	7	4	0	0	0	0	0	0	8	6	1
September	8.1	W.	31	SW.	0	1	6	3	9	8	4	12	16	1	11	11	8	5	4	0	0	0	1	0	1	5	4	2
October	9.1	NW.	37	NW.	1	6	6	6	11	6	5	7	15	0	3	12	16	11	6	7	0	0	6	6	0	14	1	0
November	10.0	NW.	42	NW.	4	11	5	2	6	2	8	9	17	0	4	11	15	11	9	13	11	0	0	11	0	27	0	0
December	7.9	W.	27	NW.	0	4	4	1	1	11	13	13	15	0	8	10	13	8	2	20	7	0	3	26	0	31	0	1
Year	8.7	NW.	48	NE.	14	94	65	55	100	73	86	96	153	8	106	119	140	104	57	81	39	2	12	109	17	181	22	10

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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	8.4	NW.	28	SW.	0	8	10	2	6	7	5	3	21	0	15	9	7	7	5	11	6	0	0	14	0	31	0	0
February	8.0	NW.	27	SE.	0	6	7	2	6	8	10	6	11	0	19	6	3	3	0	1	0	0	1	0	0	17	0	0
March	9.2	NW.	29	NW.	0	14	6	0	4	8	5	8	17	0	20	9	2	2	1	4	0	0	0	1	0	22	0	0
April	8.5	SE.	26	S.	0	8	4	5	18	10	3	0	12	0	16	7	7	9	5	0	0	1	1	0	1	1	3	0
May	9.3	SE.	33	SE.	1	7	10	3	17	13	2	2	7	1	18	5	8	8	7	0	0	0	1	0	1	0	4	0
June	9.2	SE.	30	SE.	0	1	10	4	22	12	4	2	4	1	23	4	3	9	6	0	0	1	0	0	12	0	10	0
July	8.2	S.	28	NE.	0	1	7	4	9	23	8	5	5	0	22	6	3	6	4	0	0	0	0	0	23	0	5	0
August	7.5	SE.	30	E.	0	3	4	7	16	20	9	1	1	1	24	5	2	7	4	0	0	0	0	0	23	0	9	0
September	7.6	SE.	28	NW.	0	5	6	4	16	11	6	4	8	0	22	6	2	6	3	0	0	0	1	0	9	0	6	0
October	7.7	SE.	28	SE.	0	4	8	3	21	6	5	4	10	1	13	6	12	9	7	0	0	0	1	0	0	4	5	0
November	9.2	S.	31	NW.	0	3	2	1	11	13	6	11	13	0	21	5	4	3	2	3	2	0	0	0	0	15	1	0
December	6.9	NW.	19	SE.	0	4	7	3	3	7	2	15	21	0	19	4	8	5	2	5	3	0	3	3	0	31	0	0
Year	8.3	SE.	33	SE.	1	64	81	38	149	138	65	61	130	4	232	72	61	74	46	24	11	2	8	18	69	121	43	0

DUBUQUE, IOWA

[H_b=700 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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	5.7	NW.	16	N.	0	9	4	2	5	10	10	1	20	1	10	6	15	15	9	17	15	0	1	24	0	30	0	0
February	6.0	NW.	22	NW.	0	2	2	1	9	12	9	1	18	2	4	13	11	9	6	9	5	0	1	6	0	22	2	0
March	8.2	NW.	26	N.	0	8	7	2	5	6	7	2	24	1	13	9	9	8	3	12	7	0	0	2	0	27	0	0
April	6.5	NW.	27	NW.	0	7	7	5	9	8	5	3	15	1	14	7	9	11	11	1	1	1	1	0	1	5	3	1
May	6.6	SE.	23	S.	0	4	5	0	15	6	15	1	15	1	11	11	9	12	9	0	0	3	0	0	0	0	6	0
June	5.7	NW.	19	S.	0	7	3	1	5	15	7	1	21	0	10	12	8	15	13	0	0	1	0	0	1	0	10	0
July	5.1	S.	20	N.	0	8	3	2	13	16	10	0	9	1	18	4	9	7	4	0	0	0	0	0	11	0	6	2
August	3.7	N.	27	NW.	0	8	10	2	11	5	13	3	8	2	10	13	8	5	3	0	0	0	6	0	9	0	3	0
September	5.3	S.	19	S.	0	11	5	1	7	16	4	2	13	1	19	5	6	5	4	0	0	0	1	0	0	0	5	3
October	4.9	S.	18	NW.	0	5	4	1	9	19	5	1	17	1	8	10	13	9	7	4	0	0	3	0	0	9	0	0
November	6.6	S.	23	NW.	0	6	1	0	9	20	10	2	12	1	17	3	10	8	4	5	2	0	3	4	0	13	0	0
December	5.0	NW.	23	NW.	0	5	5	1	5	12	10	2	20	2	9	6	16	7	5	11	5	0	2	16	0	29	0	0
Year	5.8	NW.	27	NW.	0	79	56	18	102	145	105	19	192	14	143	99	123	111	78	59	35	5	18	52	22	135	35	6

DUE WEST, S. C.

[H_b=711 ft.; h_t=10 ft.; h_r=4 ft.; h_a=55 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	7.3	NE.	30	NE.	0	0	16	1	1	3	4	2	3	1	7	11	13	13	10	2	1	0	3	0	0	14	1	0
February	7.4	SW.	27	W.	0	1	5	3	1	3	9	3	1	2	17	6	5	5	4	0	0	0	0	0	0	5	1	0
March	10.7	SW.	38	W.	2	2	5	1	0	3	11	7	2	0	12	9	10	12	10	0	0	0	2	0	0	4	2	0
April	8.0	SW.	42	W.	1	0	7	4	3	1	10	2	3	0	12	10	8	6	5	0	0	0	1	0	0	0	0	0
May	7.1	SW.	26	W.	0	1	7	1	1	2	13	2	2	2	8	8	15	13	11	0	0	0	1	0	2	0	9	0
June	6.7	E.	28	NW.	0	4	7	4	2	2	4	5	2	0	9	11	10	12	9	0	0	0	2	0	8	0	9	0
July	6.4	SW.	28	NE.	0	2	5	1	1	1	8	8	5	0	8	15	8	11	6	0	0	2	2	0	25	0	12	0
August	5.2	SW.	24	SE.	0	2	11	2	1	3	7	2	1	2	11	16	4	5	3	0	0	0	0	0	14	0	3	0
September	5.8	SW.	25	W.	0	2	7	6	0	2	9	3	0	1	4	13	13	11	6	0	0	0	3	0	6	0	9	0
October	6.7	NE.	26	W.	0	2	15	3	0	2	3	3	3	0	14	10	7	5	3	0	0	0	1	0	0	0	0	0
November	7.9	NE.	34	W.	1	2	14	4	0	1	4	3	2	0	10	5	15	10	8	0	0	0	6	0	0	8	1	0
December	7.6	NE.	22	NE.	0	1	11	4	0	0	2	8	4	1	12	7	12	5	5	2	0	0	2	0	0	20	0	0
Year	7.3	SW.	42	W.	4	19	110	34	10	23	84	48	28	9	124	121	120	108	80	4	1	2	23	0	55	51	47	0

Annual meteorological summary for the year ending December 31, 1930—Continued

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
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	28.879	29.460	28.330	−1.0	6.9	4.4	11.2	−7.1	2.0	34	−28	−4	−1	0	84	66	74	0.040	0.045	0.043	0.54	0.33	4.7	4.1	5.0	4.5
February	28.673	29.169	28.260	16.0	22.4	20.5	26.5	11.0	18.8	51	−25	13	17	16	88	77	83	.090	.099	.098	2.11	.84	6.6	7.0	6.9	6.8
March	28.654	29.230	28.100	18.5	29.8	28.1	34.5	15.5	25.0	50	−10	12	17	17	74	58	61	.079	.098	.095	.30	.18	4.7	4.0	4.7	4.6
April	28.811	29.027	28.360	35.5	46.4	42.4	50.5	30.9	40.7	70	18	25	28	28	65	52	57	.139	.164	.157	1.89	.90	4.0	2.9	3.7	3.7
May	28.720	29.250	28.220	45.7	53.5	50.5	58.2	39.7	49.0	78	27	38	39	39	75	62	67	.234	.244	.246	3.47	.82	4.9	5.9	5.7	5.6
June	28.660	28.964	28.190	58.3	69.9	65.1	73.4	52.2	62.8	84	43	51	53	53	78	58	67	.384	.413	.408	3.74	1.38	4.3	5.3	4.8	5.1
July	28.753	29.040	28.470	61.8	73.1	69.9	77.3	55.7	66.5	92	46	56	56	57	81	59	65	.453	.470	.476	1.57	.54	4.3	5.7	3.4	4.2
August	28.837	29.130	28.450	62.9	78.9	71.6	82.0	58.4	70.2	97	45	54	58	56	75	45	58	.433	.510	.451	.29	.11	3.6	2.6	2.8	2.8
September	28.705	29.160	28.240	49.8	61.3	55.5	65.9	45.6	55.8	83	30	45	49	45	85	67	70	.317	.368	.316	4.68	1.78	4.2	4.6	3.4	4.2
October	28.799	29.260	28.370	38.2	46.2	42.1	49.0	34.5	41.8	78	16	35	38	36	89	76	80	.232	.261	.241	1.53	.76	5.6	5.8	6.5	7.2
November	28.733	29.360	27.730	28.4	35.7	31.5	39.6	23.7	31.6	62	−11	24	26	25	83	69	77	.152	.164	.154	2.96	1.71	5.0	5.0	5.0	5.4
December	28.793	29.430	28.290	15.8	22.7	20.6	26.3	11.6	19.0	50	−14	13	16	16	86	75	82	.063	.093	.095	.20	.10	6.9	6.8	6.3	7.3
Year	28.751	29.460	27.730	35.8	45.6	41.8	49.5	31.0	40.3	97	−28	30	33	32	80	64	70	.220	.244	.232	23.28	1.78	4.9	5.0	4.8	5.1

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	30.095	30.860	29.310	22.2	24.7	23.9	29.9	15.5	22.7	52	−2	16	16	18	76	70	76	0.106	0.107	0.113	2.14	0.56	6.6	7.1	7.9	7.4
February	29.905	30.440	29.193	20.7	24.5	24.6	31.5	14.3	22.9	42	−8	15	17	18	79	71	76	.105	.108	.113	4.47	2.25	5.8	4.9	5.1	6.5
March	29.589	30.230	28.740	28.5	33.1	30.8	37.5	23.5	30.5	47	5	19	18	20	67	56	65	.116	.114	.120	2.92	.80	5.5	6.0	5.3	5.9
April	29.852	30.551	29.050	37.4	43.3	39.1	46.7	30.8	38.8	59	19	26	25	28	64	51	65	.148	.146	.157	1.49	.44	5.6	6.1	6.0	6.5
May	29.824	30.260	29.360	48.0	53.4	47.8	57.4	40.9	49.2	76	37	38	37	38	70	58	73	.237	.227	.235	1.26	.41	5.7	7.0	8.1	7.4
June	29.858	30.390	29.330	57.0	61.4	56.6	67.0	48.3	57.6	88	39	52	53	52	85	76	86	.394	.403	.391	1.70	.99	6.2	5.5	5.0	7.5
July	29.776	30.033	29.414	60.5	65.9	60.9	70.1	52.9	61.5	79	48	55	54	55	84	70	81	.436	.430	.433	4.76	1.61	6.3	6.5	6.8	7.5
August	29.920	30.260	29.520	59.9	65.3	59.5	68.0	53.2	60.6	79	49	54	54	54	83	69	83	.424	.426	.417	2.32	1.47	4.4	6.2	5.3	7.2
September	29.860	30.250	29.590	56.3	62.5	57.0	65.8	51.0	58.4	74	45	50	48	50	80	63	79	.370	.355	.369	1.21	.32	4.6	6.4	5.3	7.1
October	29.933	30.340	29.370	48.1	54.0	50.4	56.7	44.3	50.5	82	32	41	40	41	78	62	71	.268	.262	.267	1.24	.58	6.9	6.5	4.8	6.6
November	30.039	30.570	28.910	38.4	42.0	40.7	46.0	33.6	39.8	55	11	32	32	32	78	67	71	.194	.193	.191	1.50	.71	6.3	6.7	6.3	7.2
December	29.887	30.690	29.100	26.3	29.2	28.1	33.5	20.9	27.2	54	−2	21	22	22	80	72	75	.122	.123	.123	2.42	1.04	8.0	8.5	7.8	8.4
Year	29.878	30.860	28.740	41.9	46.6	43.3	50.8	35.8	43.3	88	−8	35	35	36	77	65	75	.243	.241	.244	27.43	2.25	6.0	6.4	6.1	7.1

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	28.113	28.530	27.720	29.4	37.0	34.4	43.8	22.6	33.2	70	−7	24	26	26	81	64	72	0.147	0.156	0.162	1.55	0.39	8.1	8.2	5.9	8.0
February	28.017	28.333	27.500	30.8	42.8	39.2	48.4	25.4	36.9	70	−14	27	31	28	86	64	67	.162	.190	.169	2.78	.73	7.2	6.5	5.1	6.8
March	27.791	28.300	27.140	29.9	41.0	39.2	48.0	25.3	36.6	65	7	25	26	27	83	58	63	.143	.153	.154	3.47	1.00	5.9	5.9	4.3	5.9
April	27.995	28.358	27.280	43.9	56.6	53.6	62.5	37.7	50.1	82	22	36	35	36	73	49	57	.220	.220	.231	3.15	.68	6.3	5.9	5.1	6.5
May	28.028	28.280	27.680	55.2	67.2	63.7	72.2	47.7	60.0	86	31	48	46	47	79	50	58	.352	.331	.340	1.98	.51	5.1	6.1	6.1	6.2
June	28.009	28.399	27.707	60.9	73.8	69.4	78.5	51.7	65.1	89	32	54	51	55	78	48	61	.422	.394	.434	3.80	1.69	4.0	5.5	4.6	5.3
July	28.004	28.230	27.740	63.6	77.7	74.6	83.2	56.7	70.0	94	43	57	55	59	81	48	59	.476	.451	.505	3.01	1.00	5.0	5.1	4.4	4.9
August	28.048	28.280	27.880	58.5	75.2	69.5	79.6	53.5	66.6	94	37	54	51	56	87	46	63	.432	.392	.453	1.28	.93	5.7	6.0	5.6	6.4
September	28.033	28.313	27.710	58.2	73.9	67.7	79.3	53.0	66.2	90	35	54	53	56	86	50	67	.430	.426	.456	1.44	.46	4.7	5.7	5.2	6.4
October	28.071	28.401	27.750	37.7	56.3	48.8	61.0	34.0	47.5	79	14	34	35	37	88	47	64	.211	.224	.237	.82	.24	4.3	5.2	3.6	5.5
November	28.124	28.610	27.400	29.7	45.7	40.4	51.6	25.8	38.7	70	−8	28	31	31	92	61	70	.167	.201	.200	1.46	.33	5.6	6.5	5.1	6.5
December	28.013	28.490	27.620	24.8	30.9	29.7	36.7	19.6	28.2	56	−7	21	24	25	86	77	83	.121	.135	.137	3.63	1.43	8.0	8.3	6.3	8.1
Year	28.020	28.610	27.140	43.6	56.5	52.5	62.1	37.8	49.9	94	−14	38	39	40	83	55	65	.274	.273	.290	28.38	1.69	5.8	6.2	5.1	6.4

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	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	28.600	29.180	28.150	−3.2	5.1	.....	9.5	−8.0	0.8	32	−30	−6	1	...	88	82	...	0.036	0.048	.....	0.14	0.06	5.5	7.3	.....	6.7
February	28.305	28.880	27.920	21.0	29.6	.....	35.4	15.8	25.6	59	−16	18	23	...	89	75	...	.108	.131	.....	.92	.47	4.2	6.7	.....	6.6
March	28.384	28.940	27.812	23.3	34.6	.....	38.7	20.2	29.4	60	−2	19	20	...	83	56	...	.107	.113	.....	.03	.02	6.2	5.4	.....	5.7
April	28.449	28.718	28.070	37.3	54.9	.....	59.6	34.7	47.2	80	21	31	31	...	78	44	...	.183	.186	.....	2.21	1.13	5.9	5.7	.....	5.8
May	28.340	28.790	27.820	45.8	58.3	.....	63.3	40.9	52.1	89	26	39	41	...	79	57	...	.246	.273	.....	2.25	.86	5.6	6.6	.....	6.7
June	28.300	28.673	27.750	57.5	71.7	.....	75.8	50.8	63.3	90	37	51	51	...	80	50	...	.383	.391	.....	1.35	.44	5.3	6.0	.....	5.8
July	28.395	28.760	28.120	64.2	82.6	.....	87.8	58.6	73.2	102	43	56	55	...	76	42	...	.465	.461	.....	1.99	1.41	3.8	3.2	.....	3.6
August	28.450	28.830	28.100	61.5	80.2	.....	84.6	57.3	71.0	98	41	53	55	...	75	45	...	.409	.437	.....	5.01	3.04	6.1	5.3	.....	6.1
September	28.383	28.760	27.863	47.5	66.2	.....	70.1	43.9	57.0	85	22	40	42	...	75	44	...	.265	.296	.....	.29	.14	5.0	3.8	.....	4.3
October	28.428	28.940	27.980	36.7	47.7	.....	52.2	33.3	42.8	77	9	32	35	...	84	64	...	.211	.244	.....	1.80	.50	6.3	8.9	.....	8.9
November	28.409	29.100	27.530	26.0	35.8	.....	41.7	20.2	31.0	68	−3	20	22	...	77	61	...	.111	.124	.....	1.39	.96	5.6	6.4	.....	6.8
December	28.482	29.030	28.040	18.6	25.8	.....	29.7	13.4	21.6	43	−6	16	20	...	88	76	...	.090	.107	.....	.07	.03	5.3	7.1	.....	6.9
Year	28.410	29.180	27.530	36.4	49.4	.....	54.0	31.8	42.9	102	−30	31	33	...	81	58	...	.218	.234	.....	17.45	3.04	5.5	5.9	.....	6.0

Annual meteorological summary for the year ending December 31, 1930—Continued

DULUTH, MINN.

[H_b=1,133 ft.; h_b= 5 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 33 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorm	Aurora
	Miles		*Mi.*																									
January	12.2	NW.	36	NW.	2	2	3	4	4	0	5	19	25	0	14	8	9	7	4	14	7	0	0	30	0	31	0	0
February	13.3	NE.	50	NW.	8	1	13	13	1	0	7	11	10	0	7	6	15	15	9	15	13	0	2	19	0	26	2	0
March	12.6	NW.	37	W.	10	4	7	6	5	1	2	9	27	1	15	7	9	4	3	10	4	0	4	12	0	31	0	0
April	11.2	NE.	43	NW.	5	9	23	7	1	1	3	2	14	0	17	7	6	6	5	1	1	0	2	0	0	17	0	4
May	12.6	NE.	45	NW.	5	6	26	5	2	1	6	4	12	0	10	8	13	14	13	0	0	0	8	0	0	3	7	5
June	9.5	NW.	33	SW.	1	6	12	5	4	2	8	9	12	2	11	10	9	16	12	0	0	0	5	0	0	0	8	3
July	9.2	NW.	33	NW.	1	4	16	6	0	1	8	13	14	0	14	11	6	10	8	0	0	0	3	0	1	0	10	1
August	9.0	NE.	33	SW.	1	4	19	6	0	0	10	8	13	2	19	12	0	4	3	0	0	0	0	0	6	0	3	4
September	11.3	W.	36	NW.	3	3	15	3	0	1	3	24	10	1	13	11	6	12	8	0	0	0	4	0	0	2	5	3
October	10.1	NE.	42	NW.	2	4	20	4	2	2	8	12	10	0	5	6	20	12	6	6	1	0	6	4	0	14	0	0
November	13.0	SW.	40	NW.	3	4	11	3	0	3	16	10	13	0	11	6	13	7	6	8	1	0	4	9	0	20	1	0
December	10.3	NW.	48	NW.	2	2	3	2	0	2	16	15	22	0	5	7	19	6	2	13	6	0	0	26	0	31	0	1
Year	11.2	NW.	50	NW.	43	49	168	64	19	14	92	136	182	6	141	99	125	113	79	67	33	0	38	100	7	175	36	21

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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	10.6	SW.	36	NE.	1	8	5	5	3	4	17	13	7	0	5	9	17	14	8	13	8	0	2	17	0	27	0	0
February	10.3	NW.	38	NW.	1	7	3	1	2	6	13	9	14	1	8	3	17	15	14	11	10	0	4	14	0	27	0	1
March	12.4	W.	51	NE.	3	1	8	5	1	6	13	21	7	0	11	6	14	14	12	9	7	0	2	6	0	24	0	1
April	9.9	S.	40	SE.	1	6	0	0	2	12	18	8	12	2	8	5	17	10	7	7	5	0	5	0	0	16	0	5
May	9.1	S.	33	E.	1	7	4	7	4	16	6	6	12	0	4	10	17	13	6	0	0	0	5	0	0	0	2	2
June	6.9	S.	30	NW.	0	0	4	3	0	34	10	3	2	4	2	11	17	10	4	0	0	0	20	0	0	0	5	1
July	6.4	S.	25	SW.	0	2	2	0	1	19	16	7	9	6	5	6	20	18	10	0	0	0	17	0	0	0	7	2
August	6.8	S.	33	E.	1	3	5	5	1	23	12	3	6	4	2	12	17	8	7	0	0	0	12	0	0	0	4	1
September	6.8	S.	24	W.	0	1	2	3	1	16	18	9	9	1	4	8	18	16	8	0	0	0	11	0	0	0	4	3
October	10.4	N.	45	NE.	1	16	11	4	3	4	8	8	8	0	8	6	17	9	5	1	0	0	0	0	0	1	0	1
November	9.6	SW.	41	S.	2	4	3	6	2	8	17	9	10	1	5	7	18	9	4	5	4	0	3	2	0	12	0	0
December	10.9	NW.	43	SW.	5	11	11	4	2	0	12	7	15	0	4	4	23	15	8	17	13	0	0	11	0	29	1	0
Year	9.2	S.	51	NE.	16	66	58	43	22	148	160	103	111	19	66	87	212	151	93	63	47	0	81	50	0	136	23	17

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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	5.2	W.	26	W.	0	6	6	0	7	14	5	13	9	2	3	8	20	15	10	13	8	0	0	11	0	24	0	0
February	5.2	W.	34	W.	1	5	7	0	5	11	9	8	10	1	7	4	17	13	11	9	6	0	3	4	0	23	1	0
March	7.0	W.	27	W.	0	6	1	2	3	8	8	18	13	3	10	7	14	15	12	13	11	0	0	2	0	27	0	0
April	6.0	W.	28	W.	0	6	6	1	6	6	6	9	18	2	6	13	11	13	11	3	3	0	0	0	0	13	4	0
May	4.5	W.	25	W.	0	7	0	2	6	7	6	15	15	4	7	14	10	11	9	0	0	0	1	0	0	1	6	0
June	3.9	W.	34	W.	1	8	4	0	7	9	6	11	13	2	10	10	10	8	8	0	0	0	2	0	0	0	3	0
July	3.5	NW.	24	NW.	0	5	5	0	5	7	11	7	16	6	12	11	8	7	6	0	0	0	2	0	5	0	5	0
August	2.8	NW.	17	W.	0	10	1	4	7	7	5	8	15	5	8	12	11	9	5	0	0	0	4	0	4	0	4	0
September	3.2	W.	20	W.	0	9	6	0	6	7	8	7	11	6	5	13	12	8	5	0	0	0	5	0	0	0	0	0
October	3.6	W.	22	W.	0	7	7	5	2	1	5	12	12	11	7	17	7	6	5	5	1	0	11	0	0	13	0	0
November	4.2	W.	22	NW.	0	5	2	1	7	12	6	13	11	3	8	5	17	14	11	7	5	0	5	5	0	19	0	0
December	4.8	W.	23	NW.	0	11	1	2	5	4	10	20	9	0	4	6	21	18	12	18	13	0	0	10	0	27	0	0
Year	4.5	W.	34	W.	2	85	46	17	66	93	85	141	152	45	87	120	158	137	105	68	47	0	33	32	9	147	23	0

ELLENDALE, N. DAK.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	12.2	NW.	31	N.	0	8	2	0	1	3	4	5	8	0	5	11	15	6	1	16	6	0	0	31	0	31	0	0
February	12.5	NW.	50	NW.	4	0	5	0	1	1	8	2	11	0	4	11	13	11	5	12	7	0	1	10	0	26	0	1
March	15.0	NW.	41	NW.	8	7	4	1	1	4	2	1	11	0	7	14	10	2	0	6	2	0	0	6	0	30	0	2
April	12.4	SE.	44	NW.	3	3	5	2	7	3	2	3	5	0	10	7	13	7	7	2	1	0	1	0	0	13	0	4
May	15.5	NW.	43	NW.	7	5	5	0	2	6	2	3	8	0	6	9	16	12	9	2	0	0	2	0	0	4	4	4
June	13.6	NW.	45	SW.	6	2	6	0	3	5	5	1	8	0	8	10	12	10	7	0	0	1	2	0	1	0	8	3
July	9.9	SE.	43	NW.	5	4	5	0	3	4	4	1	10	0	16	11	4	4	4	0	0	0	2	0	14	0	9	0
August	10.3	S.	45	SE.	3	5	7	1	4	6	3	1	3	1	5	15	11	9	6	0	0	1	0	0	10	0	5	0
September	11.1	NW.	37	SW.	1	2	3	1	1	5	1	6	11	0	15	8	7	4	3	0	0	0	0	0	0	4	4	1
October	12.1	NW.	46	NW.	4	2	5	2	3	6	3	1	9	0	7	6	18	11	8	4	1	0	5	3	0	14	1	2
November	15.0	NW.	61	NW.	4	6	5	0	2	4	1	1	11	0	4	9	17	10	4	12	9	0	1	7	0	28	0	1
December	11.9	NW.	35	NW.	3	5	2	0	0	5	8	3	8	0	6	10	15	5	0	15	5	0	1	20	0	31	0	1
Year	12.6	NW.	61	NW.	48	49	54	7	28	52	43	28	103	1	93	121	151	91	54	69	31	2	15	77	25	181	31	19

Annual meteorological summary for the year ending December 31, 1930—Continued

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	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	26.207	26.580	25.860	36.1	49.2	49.6	55.0	32.5	43.8	64	17	25	24	26	64	38	41	0.136	0.134	0.140	0.17	0.10	2.6	4.1	4.0	3.6
February	26.205	26.460	25.890	42.6	59.3	63.2	66.8	39.6	53.2	77	28	25	24	24	50	26	24	.133	.129	.131	.16	.15	1.5	1.2	1.8	1.6
March	26.128	26.470	25.860	43.0	59.4	62.2	65.3	41.3	53.3	78	29	23	20	20	45	22	21	.127	.109	.107	.03	.02	2.8	3.1	4.0	3.2
April	26.133	26.450	25.890	56.9	75.6	77.6	81.5	55.7	68.6	90	48	29	26	25	36	18	16	.170	.157	.139	T.	T.	2.0	2.6	3.3	2.8
May	26.108	26.420	25.810	57.3	75.8	78.6	82.3	55.9	69.1	95	38	29	25	24	38	18	17	.182	.160	.149	.62	.29	1.6	1.4	2.5	2.0
June	26.100	26.320	25.890	70.5	88.0	90.7	94.3	68.9	81.6	105	54	44	43	41	42	24	20	.306	.297	.265	.53	.40	2.2	1.7	3.4	2.6
July	26.193	26.370	26.028	72.4	86.7	88.1	92.8	71.1	82.0	102	62	56	54	52	60	34	32	.459	.416	.396	1.33	.80	3.4	3.0	4.3	4.2
August	26.207	26.350	26.074	71.8	87.1	89.1	92.9	70.3	81.6	100	64	52	51	49	53	32	28	.401	.386	.356	1.29	1.12	1.9	1.4	2.6	2.5
September	26.167	26.380	25.970	66.2	84.0	85.7	89.6	65.0	77.3	97	55	38	33	37	38	21	20	.249	.238	.238	.04	.03	2.2	1.8	2.8	2.4
October	26.157	26.520	25.860	56.4	71.7	71.7	77.1	54.4	65.8	90	41	46	43	44	71	39	40	.327	.291	.301	.75	.22	1.7	1.9	1.6	2.2
November	26.264	26.590	25.670	43.9	57.3	54.9	61.2	41.9	51.6	73	28	32	31	32	63	37	44	.185	.181	.188	.74	.32	2.8	3.8	3.0	3.7
December	26.282	26.490	25.990	34.7	47.6	48.4	53.3	32.7	43.0	63	21	25	24	24	68	42	39	.141	.138	.134	.43	.33	2.5	2.3	1.6	2.5
Year	26.179	26.590	25.670	54.3	70.1	71.6	76.0	52.4	64.2	105	17	35	34	33	52	29	28	.235	.220	.212	6.09	1.12	2.3	2.4	2.9	2.8

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	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.389	29.970	28.820	24.5	28.2	27.0	33.7	18.8	26.2	59	−1	20	22	20	82	76	75	0.124	0.133	0.122	3.89	0.91	8.3	8.0	7.0	7.8
February	29.261	29.640	28.858	31.8	36.8	34.2	40.8	26.4	33.6	69	−1	26	30	27	80	75	76	.160	.183	.166	1.53	.51	8.4	7.1	5.9	7.1
March	29.039	29.800	28.350	31.4	35.4	33.6	39.7	26.5	33.1	65	14	24	28	27	74	76	76	.134	.161	.151	3.06	.70	6.6	5.6	5.6	6.1
April	29.248	29.610	28.470	42.8	48.2	46.3	52.8	37.2	45.0	74	27	35	39	39	74	73	76	.213	.257	.249	2.83	1.14	6.1	5.6	5.8	5.7
May	29.247	29.590	28.840	58.0	62.7	61.1	67.5	52.4	60.0	86	40	50	52	51	74	70	72	.370	.406	.393	1.61	.56	4.9	3.8	3.6	4.2
June	29.187	29.570	28.830	66.5	73.2	71.3	77.0	61.0	69.0	92	49	58	61	60	76	69	71	.485	.552	.539	4.58	1.66	4.0	3.6	3.3	3.8
July	29.204	29.491	28.850	69.9	76.3	74.7	80.2	63.9	72.0	95	51	58	61	61	68	61	64	.490	.549	.541	.83	.51	3.9	3.2	2.3	3.3
August	29.266	29.560	29.040	68.0	75.2	72.7	78.9	62.6	70.8	94	53	54	57	58	63	56	61	.426	.479	.491	1.16	.76	4.0	4.3	4.7	4.4
September	29.223	29.500	28.790	63.2	70.7	67.2	74.0	59.1	66.6	87	45	53	56	56	70	62	67	.424	.469	.460	2.64	1.38	3.7	4.2	4.1	4.1
October	29.322	29.670	28.940	48.4	55.0	51.9	58.7	44.5	51.6	80	28	39	44	43	71	68	73	.258	.309	.298	3.23	.87	6.1	5.9	4.5	5.9
November	29.333	29.880	28.600	40.5	46.9	44.2	50.6	37.4	44.0	69	10	34	36	35	77	69	71	.208	.242	.224	2.07	.75	5.7	5.4	5.8	6.5
December	29.263	29.840	28.750	29.9	32.2	31.2	34.9	26.7	30.8	47	9	25	26	25	82	77	76	.140	.142	.136	1.61	.40	9.4	8.0	8.7	8.7
Year	29.248	29.970	28.350	47.9	53.4	51.3	57.4	43.0	50.2	95	−1	40	43	42	74	69	72	.286	.324	.314	29.04	1.66	5.9	5.5	5.1	5.6

ESCANABA, MICH.

[ϕ=45° 48′ 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	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.448	30.090	28.650	8.1	14.8	13.7	18.9	4.5	11.7	39	−18	6	9	9	90	74	80	0.064	0.070	0.071	0.94	0.73	6.6	5.5	5.3	5.3
February	29.288	29.780	28.710	16.0	23.8	22.2	28.7	10.9	19.8	46	−17	14	18	18	92	78	84	.094	.108	.109	1.76	.47	7.5	7.1	6.5	6.4
March	29.181	29.960	28.540	20.7	28.6	26.7	33.6	16.2	24.9	52	2	17	20	20	84	68	75	.095	.108	.110	2.09	.64	5.5	6.2	5.6	5.2
April	29.379	29.650	28.910	34.1	41.4	40.0	45.5	30.9	38.2	69	15	28	29	29	77	62	64	.152	.165	.162	1.16	.73	5.1	5.6	4.6	4.6
May	29.299	29.840	28.640	48.5	55.2	53.1	59.6	42.0	51.2	80	29	40	41	41	75	61	65	.261	.257	.271	2.46	.71	5.4	5.8	5.0	5.2
June	29.203	29.497	28.730	59.5	65.8	63.8	69.7	53.9	61.8	82	44	52	51	52	77	62	67	.394	.391	.398	1.79	.47	5.1	6.1	5.2	5.2
July	29.300	29.530	28.978	62.6	70.4	69.4	74.8	56.7	65.8	84	44	55	57	57	77	64	66	.442	.476	.479	1.83	.79	4.2	4.7	4.6	4.5
August	29.388	29.680	29.020	62.1	73.0	70.3	76.4	57.8	67.1	89	44	55	56	57	77	57	64	.435	.460	.478	.69	.28	2.5	4.2	3.5	3.6
September	29.263	29.720	28.500	52.7	63.2	60.4	66.4	49.0	57.7	79	35	46	47	48	80	58	66	.331	.345	.360	1.74	.59	5.0	4.4	3.7	4.4
October	29.393	29.820	28.920	43.0	48.5	46.0	50.6	40.2	45.4	64	21	38	38	38	83	68	75	.257	.260	.260	1.09	.86	6.5	6.6	6.4	5.7
November	29.334	29.860	28.520	34.0	39.3	37.5	43.0	30.8	36.9	57	3	29	29	30	81	67	75	.174	.182	.187	.42	.30	6.9	6.2	5.9	5.9
December	29.351	29.962	28.740	21.7	26.5	24.9	29.8	18.2	24.0	50	−3	18	18	19	84	69	76	.101	.102	.105	.20	.10	8.2	7.3	6.6	6.9
Year	29.319	30.090	28.500	38.6	45.9	44.0	49.8	34.3	42.0	89	−18	33	34	35	81	66	71	.233	.244	.249	16.17	.86	5.7	5.8	5.2	5.2

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
January	29.981	30.335	29.580	43.1	47.8	48.3	51.5	39.4	45.4	60	27	40	42	43	89	80	83	0.253	0.275	0.284	6.32	1.39	6.1	6.6	7.0	7.0
February	30.059	30.300	29.330	47.2	54.3	53.0	56.9	44.1	50.5	85	33	44	45	45	90	73	77	.295	.305	.308	4.92	1.59	6.6	6.5	7.3	7.1
March	29.992	30.360	29.344	46.1	54.8	54.0	57.2	43.8	50.5	78	34	42	43	44	88	68	72	.274	.283	.295	1.23	.49	5.9	5.6	5.2	5.3
April	29.988	30.270	29.590	50.6	56.7	56.0	59.2	47.9	53.6	66	42	45	47	47	82	71	74	.299	.329	.330	2.54	1.48	7.6	6.0	7.0	6.4
May	30.021	30.373	29.690	48.5	54.5	54.1	56.3	46.7	51.5	62	40	45	46	46	88	73	76	.298	.309	.314	1.04	.30	6.5	5.1	6.5	5.5
June	30.006	30.180	29.670	50.7	57.0	56.7	59.0	49.4	54.2	63	44	48	48	49	91	72	76	.333	.338	.352	.13	.08	7.1	4.2	4.0	5.0
July	30.018	30.192	29.833	52.0	56.5	57.4	59.0	51.0	55.0	63	47	49	50	50	91	79	76	.351	.361	.359	T.	T.	8.7	5.5	3.8	5.9
August	30.016	30.145	29.891	56.9	61.6	62.1	64.3	55.3	59.8	69	50	54	55	56	91	79	80	.421	.432	.444	T.	T.	8.1	5.7	4.2	5.9
September	29.945	30.220	29.773	54.0	59.0	58.3	61.1	52.6	56.8	68	49	52	52	53	94	80	84	.388	.395	.407	1.12	.81	7.6	7.3	7.6	7.9
October	30.003	30.250	29.717	49.2	55.5	56.3	58.7	46.5	52.6	67	39	47	49	50	93	77	80	.326	.347	.365	1.21	.43	3.5	4.5	3.8	4.8
November	30.065	30.434	29.432	47.4	55.2	54.4	58.4	44.0	51.2	74	34	44	47	48	90	76	79	.386	.326	.333	3.20	1.60	4.8	5.5	6.2	5.8
December	30.154	30.465	29.530	44.8	52.5	52.0	55.5	40.4	48.0	64	34	42	47	46	90	81	82	.271	.320	.319	2.50	.72	4.5	4.7	5.9	5.0
Year	30.021	30.465	29.330	49.2	55.6	55.2	58.1	46.8	52.4	85	27	46	48	48	90	76	78	.325	.335	.342	24.21	1.60	6.4	5.6	5.7	5.0

Annual meteorological summary for the year ending December 31, 1930—Continued

EL PASO, TEX.

[H_b=3,778 ft.; h_t=152 ft.; h_r=145 ft.; h_a=175 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 35 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: Thunderstorm	Electricity: Aurora
	Miles		*Mi.*																									
January	8.9	NW.	41	SW.	2	0	5	14	6	0	1	17	19	0	16	10	5	4	2	0	0	0	0	0	0	13	0	0
February	9.0	NW.	34	NE.	2	0	3	6	2	0	2	21	21	1	24	4	0	2	1	0	0	0	0	0	0	1	1	0
March	10.0	NW.	38	NW.	1	2	7	13	3	2	3	17	14	1	19	9	3	2	0	0	0	0	0	0	0	3	0	0
April	8.7	W.	36	NW.	1	1	1	10	1	1	7	23	16	0	21	8	1	0	0	0	0	0	0	0	1	0	0	0
May	11.4	W.	44	W.	8	1	1	19	0	2	4	20	15	0	22	9	0	4	4	0	0	1	0	0	4	0	6	0
June	8.1	E.	36	NW	4	0	1	21	9	1	4	11	13	0	20	10	0	4	2	0	0	1	0	0	23	0	6	0
July	6.8	E.	32	NE.	0	1	10	23	10	2	2	5	9	0	11	19	1	10	7	0	0	0	0	0	22	0	10	0
August	6.0	E.	32	NW.	0	1	9	22	8	2	0	7	12	1	22	7	2	5	2	0	0	0	0	0	25	0	6	0
September	8.5	E.	36	W.	1	2	5	15	2	4	3	14	15	0	22	8	0	2	0	0	0	0	0	0	17	0	4	0
October	8.2	E.	48	NE.	3	3	11	23	3	5	2	7	6	2	26	2	3	6	5	0	0	0	0	0	0	0	6	0
November	9.8	E.	43	W.	5	3	6	25	1	1	2	13	9	0	16	9	5	5	4	1	0	0	1	0	0	2	1	0
December	7.3	NW.	29	NE.	0	0	11	11	4	4	2	9	20	1	23	4	4	5	2	1	0	0	2	0	0	13	1	0
Year	8.6	E.	48	NE.	27	14	70	202	49	24	32	164	169	6	242	99	24	49	29	2	0	2	3	0	92	32	41	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 35 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	13.2	S.	37	SW.	2	4	5	2	6	15	18	8	4	0	3	8	20	15	12	15	8	0	0	17	0	24	0	0
February	12.9	S.	38	SW.	4	6	0	3	7	13	8	10	9	0	4	8	16	11	10	14	5	0	2	9	0	19	1	0
March	13.6	SW.	36	SW.	2	6	5	1	3	8	22	8	9	0	6	13	12	16	12	17	13	0	0	7	0	28	0	0
April	12.2	W.	44	SE.	3	8	3	1	8	8	14	11	7	0	10	10	10	15	10	6	4	0	0	0	0	10	2	0
May	11.5	SW.	40	SW.	2	5	1	3	5	9	19	13	7	0	15	10	6	13	9	0	0	1	0	0	0	0	4	1
June	12.1	S.	37	SW.	2	3	0	0	6	17	17	12	5	0	19	5	6	7	7	0	0	0	0	0	1	0	7	0
July	9.3	NW.	36	SW.	1	7	1	0	4	5	15	12	18	0	19	9	3	4	4	0	0	0	0	0	6	0	3	1
August	9.3	NW.	32	SW.	0	7	2	3	8	4	7	16	15	0	14	10	7	5	4	0	0	0	0	0	3	0	6	0
September	10.6	SW.	39	SW	2	3	4	3	2	12	15	12	9	0	14	8	8	9	7	0	0	0	0	0	0	0	6	1
October	11.0	N.	38	SW.	2	17	2	3	10	9	4	9	8	0	11	3	17	13	10	6	3	0	0	0	0	4	1	0
November	14.7	S.	42	S.	3	4	0	2	17	23	4	4	6	0	5	10	15	10	7	10	5	0	0	3	0	7	1	0
December	13.6	S.	38	SE.	3	4	1	1	9	22	8	8	9	0	0	4	27	15	11	21	11	0	0	12	0	22	0	0
Year	12.0	S.	44	SE.	26	74	24	22	85	145	151	123	106	0	120	98	147	133	103	89	49	1	2	48	10	114	31	3

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 35 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	8.6	NW.	25	NE.	0	8	3	3	1	6	19	8	14	0	14	5	12	7	3	20	7	0	0	28	0	31	0	0
February	8.3	S.	26	NE.	0	8	11	2	5	11	9	1	9	0	7	7	14	17	10	20	15	0	4	17	0	27	1	2
March	10.5	NW.	39	N.	2	15	6	2	3	9	7	2	18	0	13	6	12	10	10	14	8	2	1	12	0	30	3	3
April	8.9	S.	40	N.	1	21	6	4	5	10	3	1	7	3	12	10	8	8	6	7	2	0	2	1	0	17	2	5
May	8.9	S.	34	NW.	1	9	7	3	8	18	6	2	9	0	10	12	9	13	11	0	0	3	2	0	0	2	8	5
June	9.6	S.	32	N.	0	15	5	0	2	20	9	1	8	0	10	10	10	10	8	0	0	0	0	0	0	0	8	2
July	8.2	S.	31	N.	0	14	14	2	2	13	8	3	6	0	12	15	4	11	9	0	0	0	0	0	0	0	9	2
August	7.5	S.	23	N.	0	19	7	2	1	10	8	4	10	1	18	10	3	8	4	0	0	0	1	0	0	0	5	4
September	8.5	S.	25	SW.	0	8	5	2	2	13	12	9	9	0	13	12	5	9	6	0	0	1	1	0	0	0	8	2
October	8.4	S.	26	NW.	0	9	1	2	2	21	6	9	11	1	9	8	14	5	4	9	0	0	4	0	0	10	0	3
November	10.2	SW.	30	NW.	0	6	1	4	6	10	15	3	15	0	10	8	12	5	3	11	2	0	5	7	0	13	1	0
December	8.3	NW.	32	N.	0	11	3	5	1	1	14	11	16	0	7	7	17	7	3	22	7	0	0	23	0	30	0	1
Year	8.8	S.	40	N.	4	143	69	31	38	142	116	54	132	5	135	110	120	110	77	103	41	6	20	88	0	160	45	29

EUREKA, CALIF.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 35 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	5.2	SE.	29	SW.	0	13	8	6	13	9	7	3	1	2	5	7	19	17	13	2	2	3	3	0	0	6	1	0
February	5.6	SE.	32	SE.	0	11	4	4	11	7	11	2	5	1	4	7	17	17	13	0	0	2	4	0	0	0	1	0
March	5.5	N.	32	S.	0	22	5	3	12	3	4	2	6	5	11	6	14	7	4	0	0	0	0	0	0	0	0	0
April	6.4	SW.	26	N.	0	8	4	2	10	8	11	7	3	7	6	8	16	9	8	0	0	0	0	0	0	0	0	0
May	8.1	N.	28	N	0	20	6	3	3	3	9	4	10	4	9	10	12	7	5	0	0	0	0	0	0	0	1	0
June	7.5	N.	26	NW.	0	20	3	3	3	2	5	4	17	3	12	10	8	3	2	0	0	0	1	0	0	0	0	0
July	5.6	NW.	21	N.	0	17	2	0	2	7	6	5	17	6	5	16	10	0	0	0	0	0	1	0	0	0	0	0
August	4.3	NW.	24	N.	0	10	3	1	3	4	6	4	24	7	7	12	12	0	0	0	0	0	4	0	0	0	0	0
September	4.2	NW.	23	N.	0	12	3	2	7	4	9	4	14	5	2	8	20	6	4	0	0	0	4	0	0	0	2	0
October	3.3	N.	22	NW.	0	17	4	2	8	4	5	5	8	9	12	9	10	6	6	0	0	0	12	0	0	0	0	0
November	4.4	SE.	26	SW.	0	10	5	9	9	4	9	4	3	7	10	6	14	10	8	0	0	0	12	0	0	0	0	0
December	4.1	SE.	31	SE.	0	8	9	9	10	1	10	2	4	9	13	6	12	10	7	0	0	0	3	0	0	0	0	0
Year	5.4	N.	32	S.	0	168	56	44	91	56	92	46	112	65	96	105	164	92	70	2	2	5	44	0	0	6	5	0

Annual meteorological summary for the year ending December 31, 1930—Continued

EVANSVILLE, IND.

[ϕ=37° 58′ N.; λ=87° 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
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.792	30.268	29.140	27.3	32.3	31.8	36.9	22.7	29.8	62	−10	22	23	24	78	69	71	0.142	0.146	0.145	6.20	1.46	6.4	6.7	6.1	6.4
February	29.624	29.997	29.200	40.1	48.1	48.0	53.3	37.6	45.4	72	18	34	36	37	77	63	68	.206	.227	.240	3.12	1.01	5.8	7.3	5.5	6.4
March	29.456	29.830	28.810	38.2	48.1	47.6	53.6	35.4	44.5	72	21	31	32	32	74	54	56	.183	.191	.196	1.97	.90	4.5	5.5	4.9	5.3
April	29.578	29.910	29.180	52.9	64.2	64.1	69.1	50.4	59.8	88	38	41	43	43	65	48	48	.271	.295	.294	1.10	.84	4.9	5.7	5.7	5.3
May	29.567	29.952	29.280	62.5	72.8	71.7	76.9	58.7	67.8	85	48	52	53	52	70	53	54	.398	.423	.409	1.02	.42	5.5	5.5	5.2	5.4
June	29.517	29.826	29.253	69.2	80.6	80.4	85.3	65.4	75.4	98	49	58	56	57	69	45	46	.508	.478	.484	2.28	.70	3.4	5.9	4.9	4.7
July	29.531	29.720	29.300	74.4	87.9	87.8	93.5	71.0	82.2	107	58	60	59	59	62	40	41	.541	.531	.518	1.23	.96	3.6	4.4	5.1	4.1
August	29.559	29.800	29.380	70.6	84.6	84.8	89.6	68.1	78.8	105	57	59	56	57	69	41	41	.518	.478	.482	1.29	.97	4.1	5.6	5.3	5.0
September	29.541	29.770	29.200	65.9	76.7	74.9	81.5	64.0	72.8	95	51	60	59	61	82	57	63	.537	.527	.557	3.39	1.43	5.8	6.2	4.8	5.7
October	29.647	30.090	29.300	49.7	62.1	60.2	66.0	48.4	57.2	86	30	44	45	45	80	55	59	.309	.327	.332	1.31	.69	4.7	3.7	3.0	3.9
November	29.653	30.200	29.030	42.4	51.2	50.1	55.4	39.8	47.6	81	13	36	38	38	79	62	64	.245	.253	.256	1.00	.33	5.8	5.4	5.0	5.2
December	29.672	30.130	29.360	31.9	37.8	37.0	41.2	29.4	35.3	61	16	27	29	27	81	70	68	.151	.163	.153	1.69	.74	6.3	7.0	5.3	6.5
Year	29.597	30.268	28.810	52.1	62.2	61.5	66.9	49.2	58.0	107	−10	44	44	44	74	55	57	.334	.337	.339	25.60	1.46	5.1	5.7	5.1	5.3

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	29.746	30.190	29.160	25.7	31.6	32.1	37.6	20.6	29.1	67	−9	22	24	25	83	76	78	0.135	0.143	0.146	3.96	1.20	5.6	6.6	6.1	6.5
February	29.556	29.940	29.100	44.7	57.2	57.4	63.1	42.8	53.0	80	29	38	42	42	79	59	59	.249	.284	.283	1.91	.73	4.9	5.1	3.9	5.0
March	29.482	30.110	28.717	42.3	55.9	55.6	61.1	40.5	50.8	76	25	34	35	36	73	48	50	.205	.221	.232	.75	.24	4.7	4.0	3.9	4.8
April	29.505	29.779	29.190	57.6	71.8	72.3	77.1	55.7	66.4	90	49	48	49	50	70	48	50	.343	.358	.376	1.85	.61	5.1	5.1	5.0	5.4
May	29.488	29.909	29.040	62.6	74.6	73.9	78.4	59.2	68.8	87	50	57	58	59	82	58	63	.470	.487	.516	7.44	1.69	4.7	4.7	5.1	5.0
June	29.469	29.710	29.268	70.3	82.4	83.9	87.5	66.7	77.1	101	55	61	61	62	74	50	50	.554	.545	.569	2.00	.84	3.6	3.9	3.0	3.9
July	29.506	29.700	29.310	76.6	92.7	93.1	98.0	73.8	85.9	108	61	64	66	65	67	42	42	.613	.636	.624	1.19	.72	2.6	3.9	4.1	3.6
August	29.505	29.698	29.260	74.3	91.8	90.0	97.0	72.5	84.8	106	62	62	62	63	66	39	43	.566	.571	.592	.95	.85	3.9	4.3	4.5	4.9
September	29.477	29.720	29.170	68.4	83.9	83.1	88.6	66.2	77.4	100	48	62	64	61	81	52	49	.575	.597	.553	2.47	.95	3.9	4.2	3.6	4.3
October	29.595	30.120	29.160	53.3	67.1	65.0	71.1	51.8	61.4	89	33	49	49	47	84	54	55	.364	.376	.351	2.94	2.25	4.8	4.7	3.6	4.4
November	29.631	30.080	28.940	43.2	56.6	54.9	61.6	40.8	51.2	84	25	37	40	38	79	56	55	.237	.269	.251	2.78	1.57	4.4	3.9	3.1	4.2
December	29.668	29.990	29.320	35.6	44.6	45.1	49.8	34.1	42.0	64	24	32	34	34	85	66	65	.180	.198	.196	2.70	2.55	4.9	5.0	3.6	4.8
Year	29.552	30.190	28.717	54.6	67.5	67.2	72.6	52.1	62.3	108	−9	47	49	48	77	54	55	.374	.390	.391	30.94	2.55	4.4	4.6	4.1	4.7

FORT WAYNE, IND.

[ϕ=41° 05′ 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	29.239	29.688	28.580	20.0	25.1	23.7	29.4	15.1	22.2	53	−15	17	21	20	86	84	85	0.111	0.126	0.119	5.62	1.14	7.4	7.6	6.4	7.7
February	29.095	29.474	28.650	34.0	40.7	40.2	45.8	31.4	38.6	69	8	28	32	33	80	71	76	.171	.193	.205	1.11	.36	8.0	8.0	7.3	7.5
March	28.921	29.556	28.290	30.6	39.8	38.0	44.1	27.2	35.6	71	11	26	27	27	81	61	65	.142	.151	.149	1.60	.97	5.2	5.6	5.2	5.7
April	29.103	29.460	28.600	44.5	56.1	53.4	60.5	40.6	50.6	90	27	36	37	38	74	53	59	.228	.244	.245	2.27	.82	5.9	7.0	5.5	6.4
May	29.093	29.510	28.760	56.9	67.4	65.0	70.9	52.4	61.6	87	40	49	48	48	76	52	58	.364	.344	.351	2.99	1.25	5.0	6.2	5.7	5.5
June	29.046	29.363	28.761	64.7	76.5	73.8	80.4	59.0	69.7	95	46	54	54	55	70	48	54	.436	.433	.447	4.06	1.48	4.0	5.4	5.2	4.9
July	29.079	29.315	28.760	69.3	82.1	80.2	87.0	63.1	75.0	101	51	58	57	56	68	45	45	.499	.480	.457	1.71	.86	3.5	3.7	3.6	3.7
August	29.134	29.408	28.950	65.8	79.4	75.6	82.3	62.3	72.3	92	52	57	58	60	74	51	60	.475	.498	.526	1.43	.46	5.6	6.5	7.0	6.5
September	29.084	29.360	28.640	59.7	72.5	68.6	76.5	56.1	66.3	88	40	54	52	54	82	52	61	.445	.426	.445	3.45	.97	5.1	5.0	4.6	5.4
October	29.183	29.560	28.740	44.8	56.6	53.5	59.5	42.8	51.2	80	25	40	41	42	82	57	66	.271	.288	.304	2.18	1.82	4.8	4.9	5.2	5.5
November	29.183	29.750	28.510	37.4	46.5	43.6	50.1	33.9	42.0	75	1	32	36	34	82	68	70	.207	.234	.220	2.14	1.57	6.6	6.0	5.6	6.3
December	29.144	29.750	28.680	27.0	32.0	30.5	35.0	24.7	29.8	52	8	23	25	26	85	75	81	.131	.139	.141	.61	.36	7.4	6.7	7.8	7.4
Year	29.109	29.750	28.290	46.2	56.2	53.8	60.1	42.4	51.2	101	−15	40	41	41	78	60	65	.290	.296	.301	29.17	1.82	5.7	6.0	5.8	6.0

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
January	29.500	30.080	28.950	30.5	37.2	37.5	44.5	25.8	35.2	70	−1	23	25	28	73	62	69	0.145	0.152	0.168	0.84	0.30	5.8	6.8	6.2	6.7
February	29.302	29.700	28.810	49.3	61.1	61.9	68.1	47.2	57.6	82	33	43	43	44	80	55	56	.296	.292	.309	1.08	.61	4.3	4.7	4.3	4.6
March	29.275	29.930	28.580	47.5	59.2	60.8	66.7	44.1	55.4	80	30	36	35	34	67	44	39	.238	.226	.220	2.86	1.10	4.9	5.7	5.2	5.2
April	29.242	29.570	28.900	60.8	77.0	78.2	82.7	59.5	71.1	97	51	51	50	50	72	44	42	.391	.388	.389	2.37	1.07	4.8	4.5	5.5	5.2
May	29.227	29.670	28.700	66.0	75.6	75.9	79.9	62.6	71.2	88	55	60	61	62	83	63	64	.543	.555	.576	10.37	4.33	6.6	6.9	6.1	6.5
June	29.217	29.470	29.030	72.3	85.5	87.8	90.9	69.5	80.2	103	58	64	60	60	75	45	41	.596	.533	.521	1.87	1.14	5.1	4.4	3.4	4.5
July	29.278	29.420	29.102	76.8	92.2	93.1	97.7	75.3	86.5	106	68	65	63	63	68	39	38	.629	.582	.581	.37	.24	3.1	3.7	4.2	3.7
August	29.261	29.460	29.030	76.1	90.7	90.9	96.1	74.3	85.2	105	67	64	62	62	68	42	40	.609	.567	.562	3.12	1.81	3.9	4.9	4.6	4.9
September	29.233	29.490	28.890	70.5	84.7	84.3	89.3	68.5	78.9	100	53	64	65	63	79	53	50	.603	.632	.599	1.19	.80	3.4	4.5	3.8	4.0
October	29.329	29.830	28.880	59.0	69.1	68.0	74.0	57.3	65.6	88	43	54	56	55	85	65	65	.445	.464	.453	7.96	4.56	5.3	5.5	4.8	5.1
November	29.401	29.900	28.710	49.6	61.4	59.9	66.6	46.7	56.6	80	34	42	46	44	74	58	58	.277	.333	.307	1.71	1.11	4.7	4.6	3.6	4.7
December	29.448	29.740	29.010	40.7	50.6	50.4	56.9	37.8	47.4	71	23	35	38	40	81	62	69	.212	.237	.258	2.08	1.69	4.5	4.8	4.8	4.5
Year	29.309	30.080	28.580	58.3	70.4	70.7	76.1	55.7	65.9	106	−1	50	50	50	75	53	53	.415	.413	.412	35.82	4.56	4.7	5.1	4.7	5.0

Annual meteorological summary for the year ending December 31, 1930—Continued

EVANSVILLE, IND.

[H_b=431 ft.; h_t=76 ft.; h_r=74 ft.; h_a=116 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 36 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: Thunderstorm	Electricity: Aurora
	Miles		*Mi.*																									
January	8.3	S.	31	SW.	0	11	2	6	5	12	7	5	14	0	9	5	17	14	12	7	4	0	1	12	0	23	1	0
February	9.2	S.	30	SW.	0	7	2	3	8	18	8	2	7	1	6	9	13	8	5	3	2	0	1	1	0	10	2	0
March	10.5	W.	35	W.	2	5	8	5	0	11	12	9	12	0	7	17	7	8	7	4	3	0	0	1	0	9	1	0
April	8.1	S.	26	S.	0	11	2	9	6	12	11	1	8	0	10	8	12	7	3	0	0	0	0	0	0	0	1	0
May	8.2	S.	36	SW.	2	5	6	3	8	22	7	7	3	1	10	9	12	10	5	0	0	0	0	0	0	0	5	0
June	7.0	S.	47	SW.	1	8	5	2	0	30	4	5	5	1	10	14	6	8	7	0	0	1	0	0	7	0	5	0
July	6.6	SW.	34	W.	1	10	8	4	2	12	14	8	3	1	14	13	4	6	3	0	0	1	0	0	21	0	4	0
August	5.8	N.	32	N.	0	16	9	6	2	11	7	8	1	2	10	13	8	5	2	0	0	0	0	0	13	0	2	0
September	6.3	S.	38	NW.	1	8	9	8	5	14	9	3	1	3	10	7	13	11	9	0	0	1	0	0	2	0	7	0
October	6.5	E.	24	SW.	0	8	7	7	11	6	4	7	9	3	17	7	7	9	5	3	0	0	1	0	0	1	2	0
November	8.6	S.	33	SW.	1	5	1	6	14	14	5	8	7	0	13	3	14	16	6	4	4	0	1	2	0	10	0	0
December	7.8	SW.	22	NW.	0	8	4	5	3	10	13	9	9	1	7	7	17	8	5	8	5	0	1	3	0	21	0	0
Year	7.7	S.	47	SW.	8	102	63	64	64	172	101	72	79	13	123	112	130	110	69	29	18	3	5	19	43	74	30	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 36 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	7.0	E.	22	W.	0	5	6	18	1	4	10	7	11	0	11	2	18	14	13	6	3	0	1	10	0	25	2	0
February	7.0	E.	32	W.	0	7	4	22	6	8	4	2	3	0	10	10	8	5	4	0	0	0	3	0	0	3	1	0
March	8.4	E.	28	NW.	0	1	0	21	3	2	11	6	17	1	14	8	9	6	6	2	0	0	0	0	0	6	5	0
April	7.1	E.	30	E.	0	1	4	30	3	9	2	6	5	0	10	10	10	10	7	0	0	0	1	0	0	0	4	0
May	7.0	E.	36	NW.	1	5	8	28	6	4	5	5	1	0	13	7	11	14	13	0	0	0	0	0	0	0	13	0
June	6.2	E.	20	NW.	0	5	4	26	7	3	6	3	5	1	15	10	5	7	5	0	0	0	0	0	13	0	4	0
July	5.0	SW.	24	SW.	0	13	4	16	4	4	12	5	3	1	13	14	4	4	4	0	0	0	0	0	27	0	5	0
August	5.3	E.	28	SE.	0	2	8	34	3	3	6	2	3	1	10	16	5	4	3	0	0	0	0	0	26	0	11	0
September	6.1	E.	46	NW.	2	3	8	24	7	10	3	2	3	0	12	12	6	8	4	0	0	0	0	0	14	0	6	0
October	6.7	E.	20	E.	0	6	4	28	8	0	7	5	4	0	13	8	10	6	6	0	0	0	0	0	0	0	0	0
November	7.8	E.	30	NW.	0	2	3	24	6	2	7	5	11	0	17	6	7	7	4	1	0	0	1	0	0	4	2	0
December	6.2	E.	23	E.	0	4	5	14	3	1	7	17	11	0	12	11	8	5	4	1	0	0	0	0	0	13	0	0
Year	6.6	E.	46	NW.	3	54	58	285	57	50	80	65	77	4	150	114	101	90	73	10	3	0	6	10	80	51	53	0

FORT WAYNE, IND.

[H_b=839 ft.; h_t=100 ft.; h_r=93 ft.; h_a=119 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 36 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	8.9	SW.	36	W.	0	7	7	5	2	11	18	8	4	0	5	6	20	19	14	14	9	0	3	19	0	27	1	0
February	9.0	SW.	29	W.	0	2	1	5	4	10	18	7	9	0	1	11	16	9	6	9	2	0	0	4	0	17	1	0
March	10.0	W.	26	NW.	0	5	11	1	3	3	17	15	7	0	13	4	14	9	6	11	7	0	1	3	0	25	0	0
April	8.0	NW.	32	NW.	0	4	7	7	3	7	13	3	16	0	6	8	16	13	10	1	0	0	1	0	1	7	5	0
May	8.2	SW.	29	SW.	0	6	6	2	8	12	13	5	10	0	13	5	13	13	11	0	0	0	0	0	0	0	4	0
June	8.0	S.	26	S.	0	3	2	2	3	16	11	13	9	1	11	13	6	12	10	0	0	1	0	0	3	0	7	0
July	7.8	SW.	35	S.	1	7	6	2	3	6	23	3	12	0	13	16	2	6	4	0	0	0	0	0	14	0	3	0
August	6.0	NE.	43	W.	1	4	15	5	3	8	11	11	5	0	6	10	15	10	7	0	0	0	0	0	5	0	4	0
September	7.0	SW.	31	SW.	0	4	5	6	5	11	18	3	8	0	9	11	10	12	9	0	0	0	1	0	0	0	2	1
October	6.7	E.	26	SW.	0	3	10	12	6	7	9	10	5	0	9	11	11	7	4	4	1	0	2	0	0	7	1	0
November	8.8	SW.	32	S.	0	1	1	8	8	16	15	6	5	0	9	7	14	9	8	5	4	0	1	4	0	13	0	0
December	8.8	SW.	27	NW.	0	4	6	6	1	12	17	12	4	0	6	4	21	12	4	16	8	0	1	12	0	25	0	0
Year	8.1	SW.	43	W.	2	50	77	61	49	119	183	96	94	1	101	106	158	131	93	60	31	1	10	42	23	121	28	1

FORT WORTH, TEX.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 36 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	7.4	NW.	25	S.	0	6	5	4	11	4	4	5	23	0	8	6	17	9	4	4	0	0	2	7	0	22	0	0
February	9.1	S.	26	S.	0	5	5	4	19	10	5	1	7	0	12	8	8	9	5	0	0	0	3	0	0	0	3	0
March	8.8	NW.	32	SW.	0	8	1	3	9	11	11	4	15	0	12	8	11	10	6	0	0	0	0	0	0	2	5	0
April	9.2	S.	28	SE.	0	2	6	6	18	16	6	2	4	0	10	12	8	5	4	0	0	2	0	0	2	0	5	0
May	9.0	SE.	39	SE.	1	5	8	9	23	9	3	3	0	2	8	7	16	14	14	0	0	1	0	0	0	0	14	0
June	9.4	S.	23	NW.	0	3	2	1	21	22	6	3	2	0	13	9	8	4	4	0	0	0	0	0	15	0	3	0
July	8.3	S.	32	S.	0	4	4	1	19	16	12	5	1	0	16	11	4	2	2	0	0	0	0	0	31	0	3	0
August	6.7	SE.	21	W.	0	4	7	8	22	8	10	1	1	1	11	13	7	8	6	0	0	0	0	0	26	0	10	0
September	7.6	SE.	27	SW.	0	2	2	6	19	14	6	3	6	2	15	9	6	4	4	0	0	0	1	0	19	0	5	0
October	7.1	SE.	21	S.	0	7	13	13	14	5	1	3	6	0	12	5	14	8	7	0	0	0	1	0	0	0	0	0
November	7.1	SW.	29	SE.	0	5	7	4	8	4	14	7	10	1	13	6	11	5	5	0	0	0	0	0	0	0	1	0
December	6.1	NW.	26	S.	0	6	3	4	7	3	4	13	18	4	14	7	10	6	4	2	1	0	1	0	0	6	0	0
Year	8.0	SE.	39	SE.	1	57	63	63	190	122	82	50	93	10	144	101	120	84	65	6	1	2	9	7	93	30	49	0

Annual meteorological summary for the year ending December 31, 1930—Continued

FRESNO, CALIF.

[ϕ=36° 43′ N.; λ=119° 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
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.705	30.040	29.340	42.4	49.6	52.2	54.0	38.9	46.4	68	28	39	40	41	87	71	68	0.241	0.252	0.263	1.90	0.57	4.7	6.9	6.4	6.9
February	29.742	29.970	29.460	48.4	62.0	64.6	66.9	44.8	55.8	84	36	43	44	44	82	54	50	.278	.297	.291	1.89	.68	2.2	3.2	3.1	3.1
March	29.629	29.950	29.120	49.1	63.2	66.1	68.3	46.1	57.2	83	36	44	45	44	85	54	48	.297	.304	.296	1.38	.81	1.0	4.0	2.8	2.6
April	29.633	29.900	29.329	53.1	69.9	74.0	75.8	50.6	63.2	84	43	46	44	42	78	40	33	.313	.290	.271	.45	.23	2.8	3.3	3.2	3.1
May	29.588	29.830	29.300	52.3	70.0	74.8	76.3	50.2	63.2	92	41	42	40	35	70	36	27	.271	.248	.211	.29	.20	2.8	3.0	3.8	3.1
June	29.487	29.710	29.220	62.0	85.1	91.8	92.9	60.3	76.6	104	50	45	45	40	54	25	18	.297	.299	.251	0	0	.1	.6	.7	.4
July	29.517	29.750	29.350	67.0	90.3	96.5	97.9	65.2	81.6	108	57	46	45	40	47	22	14	.307	.302	.247	T.	T.	1.5	1.7	1.8	1.6
August	29.554	29.740	29.370	65.0	86.8	93.2	94.8	62.7	78.8	102	57	48	47	44	55	26	19	.336	.327	.291	T.	T.	1.2	1.1	1.8	1.3
September	29.560	29.790	29.350	58.1	76.9	81.3	83.5	55.6	69.6	96	49	49	49	46	73	39	30	.353	.350	.310	.20	.16	1.4	2.6	2.7	2.7
October	29.557	29.870	29.286	52.3	72.7	75.9	78.7	50.5	64.6	92	42	43	43	41	73	37	30	.287	.286	.264	.18	.18	1.3	.8	1.0	1.1
November	29.727	30.040	29.290	46.4	62.9	64.8	68.3	43.5	55.9	85	35	39	40	38	77	49	42	.243	.257	.234	.88	.55	2.4	2.6	3.3	2.7
December	29.829	30.090	29.660	36.7	52.9	54.7	58.3	34.8	46.6	66	26	33	37	35	86	56	49	.193	.227	.213	.01	.01	1.1	3.5	3.6	4.2
Year	29.631	30.090	29.120	52.7	70.2	74.2	76.3	50.3	63.3	108	26	43	43	41	72	42	36	.285	.287	.262	7.18	.81	1.9	2.8	2.8	2.7

GALVESTON, TEX.

[ϕ=29° 18′ N.; λ=94° 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	30.144	30.630	29.730	46.8	50.1	50.0	54.7	42.4	48.6	69	13	43	45	45	88	83	84	0.318	0.334	0.328	5.07	1.95	7.3	6.7	6.7	6.7
February	30.035	30.390	29.570	57.7	62.1	59.8	65.0	55.1	60.0	74	40	55	56	56	92	83	89	.452	.469	.465	2.74	2.06	5.3	5.8	4.7	5.5
March	29.978	30.510	29.440	55.2	60.4	59.9	64.0	52.9	58.4	73	38	48	49	50	79	70	74	.366	.386	.393	1.05	.26	6.4	6.7	6.3	6.4
April	29.977	30.270	29.670	67.0	73.4	70.3	75.7	66.1	70.9	86	62	62	62	62	86	70	77	.565	.566	.565	3.99	1.98	4.6	4.3	4.5	4.2
May	29.930	30.240	29.640	73.4	76.7	75.6	79.3	71.7	75.5	84	64	69	68	69	87	77	81	.723	.705	.717	2.69	1.53	7.0	7.1	7.4	7.2
June	29.932	30.090	29.720	77.3	82.8	80.8	85.2	76.1	80.6	97	72	70	70	70	81	66	71	.755	.741	.749	.01	.01	3.5	3.5	3.2	3.8
July	29.990	30.160	29.850	80.7	85.4	83.5	88.0	78.5	83.2	95	73	74	73	74	81	67	73	.844	.806	.837	.31	.12	3.9	4.8	4.0	4.4
August	29.966	30.100	29.800	80.0	86.3	83.9	88.4	78.5	83.4	92	67	73	73	73	81	64	71	.824	.807	.815	2.73	1.52	3.7	4.4	4.0	4.7
September	29.911	30.110	29.740	77.3	82.1	80.2	84.3	75.2	79.8	90	65	72	72	72	83	72	76	.783	.790	.783	4.41	2.19	4.1	5.8	4.6	5.4
October	29.982	30.560	29.650	69.5	74.1	72.7	76.0	67.0	71.5	83	53	63	64	63	81	71	73	.601	.618	.603	6.92	3.66	4.0	4.5	4.2	4.5
November	30.097	30.510	29.580	58.7	63.6	62.4	65.8	55.9	60.8	78	43	52	53	54	80	70	77	.412	.431	.450	4.45	1.07	5.8	6.4	6.1	6.1
December	30.130	30.360	29.750	50.3	54.7	53.6	57.9	47.8	52.8	69	37	44	45	47	82	72	80	.309	.317	.336	3.26	1.35	6.6	6.9	6.0	6.9
Year	30.006	30.630	29.440	66.2	71.0	69.4	73.7	63.9	68.8	97	13	60	61	61	83	72	77	.579	.581	.587	37.63	3.66	5.2	5.6	5.1	5.5

GRAND HAVEN, MICH.

[ϕ=43° 04′ N.; λ=86° 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	29.445	30.010	28.700	20.9	22.6	22.0	26.3	16.0	21.2	47	0	19	19	19	91	86	88	0.106	0.108	0.108	3.18	0.54	9.1	8.9	8.3	8.9
February	29.281	29.740	28.770	28.4	33.0	32.8	36.9	24.3	30.6	59	2	26	28	29	93	83	86	.154	.161	.171	2.07	.50	8.0	7.4	6.2	8.0
March	29.148	29.800	28.510	28.6	33.9	33.3	39.0	22.3	32.2	61	15	25	24	25	85	69	72	.135	.133	.136	1.15	.53	5.4	5.1	5.3	5.6
April	29.331	29.660	28.850	40.3	46.8	46.7	52.5	36.2	44.4	76	25	34	35	35	79	66	65	.204	.218	.214	2.34	1.15	5.9	5.7	4.6	5.6
May	29.300	29.880	28.840	52.2	57.7	57.4	63.4	46.5	55.0	88	35	44	46	44	77	68	65	.309	.329	.310	1.61	.36	5.1	6.4	5.8	6.3
June	29.224	29.510	28.860	60.6	65.9	66.0	71.9	54.7	63.3	85	45	52	53	52	76	66	65	.402	.415	.408	1.74	.42	5.6	5.9	4.6	6.0
July	29.282	29.520	28.900	66.6	71.2	72.5	77.3	60.5	68.9	90	48	57	56	55	72	61	57	.473	.462	.450	.82	.46	4.8	3.9	3.3	4.1
August	29.349	29.646	29.130	65.5	72.4	71.7	77.3	59.7	68.5	88	48	56	58	56	74	63	61	.470	.501	.468	.43	.36	5.0	6.0	5.0	5.3
September	29.270	29.640	28.700	60.2	67.4	65.0	70.6	54.9	62.8	82	38	52	52	52	74	59	65	.407	.416	.414	1.28	.64	5.8	5.5	3.6	4.9
October	29.386	29.800	28.930	44.9	53.9	50.3	56.1	42.1	49.1	80	27	40	42	42	85	64	73	.276	.292	.293	2.37	1.25	7.5	7.0	6.1	7.2
November	29.353	29.900	28.660	38.7	44.6	43.1	48.8	34.3	41.6	73	10	34	36	36	84	74	78	.207	.229	.234	2.47	1.08	7.4	8.2	5.4	7.6
December	29.343	29.980	28.800	26.9	30.5	29.6	34.2	23.3	28.8	48	6	24	25	26	88	80	85	.132	.137	.144	1.69	.56	8.0	8.1	7.5	8.4
Year	29.309	30.010	28.510	44.5	50.0	49.2	54.5	39.8	47.2	90	0	39	40	39	82	70	72	.273	.283	.279	21.15	1.25	6.5	6.4	5.5	6.5

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
January	25.403	25.940	24.860	13.6	24.2	22.8	28.7	9.6	19.2	55	−18	12	14	15	92	65	74	0.077	0.080	0.086	1.73	0.42	6.7	7.0	6.8	6.7
February	25.437	25.740	25.030	23.9	36.6	38.3	42.9	20.3	31.6	60	0	21	23	24	88	60	58	.115	.123	.131	.45	.15	3.9	4.6	5.5	4.9
March	25.315	25.740	24.980	34.4	48.8	50.2	54.0	31.5	42.8	66	18	22	19	20	60	31	32	.117	.104	.110	.36	.21	4.1	4.6	4.5	4.5
April	25.339	25.760	25.072	46.9	64.9	67.5	71.2	45.1	58.2	83	35	32	29	28	58	29	24	.187	.164	.146	.84	.47	4.1	5.4	4.8	4.7
May	25.267	25.660	24.930	49.4	65.8	67.3	71.6	46.3	59.0	89	30	33	27	27	57	27	26	.191	.150	.148	1.50	.71	4.7	4.3	4.4	4.4
June	25.315	25.580	25.080	59.2	80.6	85.1	87.4	56.6	72.0	98	46	36	31	26	44	20	14	.221	.186	.152	.31	.21	2.1	2.3	2.2	2.3
July	25.421	25.650	25.183	66.2	85.7	86.3	91.2	65.1	58.2	101	59	49	46	44	58	28	26	.363	.320	.300	.99	.45	3.2	3.2	5.9	4.1
August	25.436	25.630	25.210	64.4	82.8	85.1	88.5	63.3	75.9	95	59	50	48	47	62	32	29	.378	.345	.334	.86	.22	3.8	2.8	4.7	3.5
September	25.384	25.640	25.120	54.7	72.5	73.7	78.2	52.9	65.6	91	37	37	36	37	55	30	30	.230	.220	.228	.70	.25	3.0	4.6	5.0	4.3
October	25.381	25.780	25.000	41.6	61.5	59.6	66.4	39.4	52.9	79	30	28	25	27	59	26	30	.159	.142	.151	.62	.47	2.3	1.8	2.6	2.4
November	25.471	25.950	24.750	28.6	45.4	42.2	50.0	25.7	37.8	68	15	18	18	21	66	38	47	.097	.100	.110	1.02	.71	2.1	3.1	2.6	2.9
December	25.551	25.810	25.320	16.7	32.9	31.0	37.9	14.3	26.1	48	6	13	14	15	85	42	48	.076	.079	.083	.11	.07	2.4	3.1	2.9	3.4
Year	25.393	25.950	24.750	41.6	58.5	59.1	64.0	39.2	51.6	101	−18	29	28	27	65	36	36	.184	.168	.165	9.49	.71	3.5	3.9	4.3	4.0

Annual meteorological summary for the year ending December 31, 1930—Continued

FRESNO, CALIF.

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

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorm	Aurora
	Miles		*Mi.*																									
January	4.1	NW.	18	SE.	0	4	4	10	10	2	1	3	19	9	5	10	16	10	7	1	1	0	9	0	0	5	0	0
February	4.1	NW.	30	NW.	0	1	6	14	4	1	3	3	21	3	19	6	3	7	6	0	0	0	2	0	0	0	0	0
March	5.0	NW.	19	SE.	0	4	6	11	3	3	1	2	27	5	21	9	1	5	5	0	0	0	2	0	0	0	0	0
April	7.5	NW.	22	NW.	0	2	0	2	2	1	1	0	49	3	16	13	1	6	2	0	0	0	0	0	0	0	0	0
May	7.6	NW.	29	NW.	0	1	1	3	3	3	0	6	44	1	19	8	4	3	3	0	0	0	0	0	2	0	0	0
June	8.0	NW.	21	NW.	0	0	0	0	0	2	1	3	53	1	29	1	0	0	0	0	0	0	0	0	0	20	0	0
July	7.1	NW.	19	NW.	0	4	1	0	0	0	1	1	55	0	24	4	3	0	0	0	0	0	0	0	0	29	0	0
August	7.4	NW.	20	NW.	0	2	0	0	0	0	0	2	57	1	26	4	1	0	0	0	0	0	0	0	0	26	0	0
September	5.9	NW.	21	NW.	0	1	0	2	2	2	1	3	45	4	21	5	4	2	2	0	0	0	0	0	0	5	0	0
October	4.4	NW.	20	NW.	0	9	1	14	0	1	0	1	35	7	27	4	0	1	1	0	0	0	0	0	0	2	0	0
November	3.8	NW.	16	NW.	0	4	2	12	4	4	2	4	23	5	20	4	6	4	4	0	0	0	0	0	0	0	0	0
December	3.1	NW.	13	SE.	0	3	9	8	3	5	1	8	21	4	15	8	8	1	0	0	0	0	8	0	0	10	0	0
Year	5.7	NW.	30	NW.	0	29	30	76	31	24	12	36	449	43	242	76	47	39	30	1	1	0	21	0	84	15	0	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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	11.5	N.	32	NW.	0	23	5	8	13	8	0	1	4	0	8	4	19	15	9	1	0	0	0	2	0	8	2	0
February	9.8	SE.	28	NW.	0	1	3	9	18	16	3	2	4	0	10	6	12	6	6	0	0	0	5	0	0	0	2	0
March	10.3	SE.	32	N.	0	10	2	10	11	11	4	4	10	0	7	8	16	8	7	0	0	0	1	0	0	0	3	0
April	9.5	SE.	30	W.	0	2	1	4	29	16	2	4	2	0	14	10	6	5	4	0	0	0	0	0	0	0	4	0
May	12.0	SE.	39	SE.	2	7	4	6	38	2	1	3	1	0	4	12	15	9	6	0	0	0	0	0	0	0	7	0
June	9.7	SE.	22	SE.	0	2	2	6	29	13	3	3	2	0	17	9	4	1	0	0	0	0	0	0	4	0	2	0
July	7.9	S.	33	NW.	1	1	0	1	15	32	3	9	0	1	14	12	5	5	4	0	0	0	0	0	4	0	7	0
August	8.6	S.	33	SE.	1	4	1	1	13	31	7	3	2	0	11	17	3	5	5	0	0	0	0	0	1	0	6	0
September	9.5	S.	25	S.	0	9	10	8	10	21	2	0	0	0	6	16	8	9	6	0	0	0	0	0	0	0	10	0
October	10.0	SE.	27	SE.	0	8	12	14	21	3	0	0	4	0	12	12	7	11	8	0	0	0	0	0	0	0	2	0
November	9.5	N.	32	S.	0	13	13	8	12	6	1	1	5	1	9	6	15	14	11	0	0	0	0	0	0	0	3	0
December	9.2	NW.	30	NW.	0	15	3	10	7	3	3	4	17	0	6	8	17	8	4	0	0	0	0	0	0	0	1	0
Year	9.8	SE.	39	SE	4	95	56	85	216	162	29	34	51	2	118	120	127	96	70	1	0	0	6	2	9	8	49	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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	11.7	W.	39	W.	2	9	6	7	5	7	5	19	4	0	2	3	26	19	17	22	16	0	1	22	0	29	0	0
February	10.9	S.	44	W.	3	5	1	5	13	10	8	9	5	0	4	4	20	16	11	14	11	0	5	8	0	21	2	0
March	12.9	NW.	36	W.	2	9	7	5	5	10	4	11	11	0	12	5	14	10	9	12	8	0	0	5	0	28	0	0
April	10.4	E.	34	NW.	1	7	4	11	5	10	6	6	11	0	11	6	13	9	5	2	0	0	1	0	0	10	1	0
May	10.8	S.	30	S.	0	5	4	6	10	16	6	8	7	0	8	9	14	14	9	0	0	0	0	0	0	0	5	1
June	10.9	S.	29	NW.	0	6	2	1	4	16	13	11	7	0	7	11	12	9	8	0	0	0	1	0	0	0	4	0
July	9.1	SW.	40	W.	1	9	2	4	4	13	11	11	8	0	16	7	8	6	4	0	0	0	0	0	1	0	3	0
August	7.6	W.	29	SW.	0	4	9	5	3	8	9	11	13	0	11	9	11	5	1	0	0	0	0	0	0	0	4	0
September	10.3	SW.	42	SW.	2	10	3	5	7	13	9	8	5	0	11	12	7	8	7	0	0	0	0	0	0	0	5	0
October	8.9	SE.	37	NW.	2	8	3	9	13	5	2	9	13	0	6	5	20	10	6	6	2	0	0	0	0	6	1	0
November	12.2	SE.	31	W.	0	8	1	1	23	7	13	3	4	0	5	5	20	11	9	9	7	0	4	5	0	13	1	0
December	10.2	W.	32	W.	0	10	8	7	10	2	9	13	3	0	4	1	26	18	9	19	14	0	1	11	0	25	0	0
Year	10.5	W.	44	W.	13	90	50	66	102	117	95	119	91	0	97	77	191	135	95	84	58	0	13	51	1	132	26	1

GRAND JUNCTION, COLO.

[H_b=4,602 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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	3.8	NW.	31	S.	0	6	2	3	12	6	4	5	24	0	7	9	15	15	11	22	15	0	0	22	0	31	0	0
February	4.1	NW.	26	SE.	0	7	4	3	9	4	1	7	21	0	11	9	8	8	3	7	6	0	3	6	0	23	0	0
March	5.7	SE.	26	NW.	0	13	6	5	14	2	5	3	13	1	13	9	9	5	4	6	2	0	0	0	0	20	2	0
April	5.6	SE.	28	SW.	0	10	1	5	19	6	2	6	11	0	11	14	5	7	3	0	0	0	0	0	0	0	1	0
May	6.3	SE.	47	SW.	2	10	0	7	22	5	3	6	8	1	13	13	5	11	7	4	2	2	0	0	0	1	5	0
June	5.3	SE.	22	S.	0	12	2	1	14	9	5	6	11	0	21	6	3	3	2	0	0	0	0	0	14	0	1	0
July	6.2	SE.	28	SE.	0	5	4	4	25	8	4	6	5	1	14	12	5	9	7	0	0	1	0	0	16	0	15	0
August	5.2	SE.	24	SW.	0	12	2	4	23	1	5	6	9	0	20	8	3	12	8	0	0	0	0	0	16	0	16	0
September	5.3	SE.	23	W.	0	14	0	1	24	2	1	9	8	1	13	9	8	8	4	0	0	0	0	0	1	0	4	0
October	4.8	N.	26	S.	0	21	1	0	14	7	1	8	10	0	21	9	1	4	2	0	0	0	0	0	0	5	2	0
November	5.0	SE.	25	S.	0	8	0	1	23	7	0	4	17	0	19	6	5	5	5	6	4	0	0	0	0	24	0	0
December	4.3	SE.	18	SE.	0	5	1	0	44	8	0	1	2	1	16	8	7	3	1	5	3	0	0	4	0	31	0	0
Year	5.1	SE.	47	SW.	2	123	23	34	243	65	31	67	139	5	179	112	74	90	57	50	32	3	3	32	47	135	46	0

Annual meteorological summary for the year ending December 31, 1930—Continued

GRAND RAPIDS, MICH.

[ϕ=42° 58′ N.; λ=85° 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	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	29.376	29.944	28.650	20.3	23.1	22.1	27.2	15.6	21.4	50	−4	17	17	17	85	76	78	0.099	0.101	0.098	3.21	0.53	8.4	8.2	8.2	8.1
February	29.224	29.670	28.710	29.9	35.2	34.1	39.8	26.0	32.9	67	3	25	27	28	82	71	77	.149	.156	.164	1.83	.64	7.2	7.1	7.4	7.3
March	29.082	29.810	28.421	29.1	36.5	35.1	41.7	25.5	33.6	69	15	22	22	22	74	56	59	.124	.123	.121	1.20	.71	4.7	5.3	5.5	5.2
April	29.268	29.592	28.750	40.8	52.4	51.1	57.3	38.0	47.6	84	27	33	35	34	72	52	54	.194	.217	.212	2.07	1.30	5.8	6.4	4.8	6.1
May	29.244	29.720	28.780	54.4	64.9	62.4	69.5	50.2	59.8	88	35	45	46	45	71	52	56	.315	.340	.316	2.39	.67	5.2	6.5	6.0	6.0
June	29.168	29.459	28.813	63.8	75.8	73.2	79.6	57.8	68.7	94	47	52	52	53	68	45	52	.404	.399	.416	2.66	.63	5.3	5.8	5.6	5.6
July	29.219	29.455	28.840	67.4	80.2	79.7	84.7	62.5	73.6	99	50	56	54	53	68	42	41	.458	.435	.414	.56	.32	4.4	4.7	4.1	4.6
August	29.290	29.583	29.091	65.0	80.4	77.5	84.4	61.5	73.0	95	50	54	52	52	69	38	44	.426	.399	.407	.40	.17	4.3	5.1	5.5	5.1
September	29.215	29.560	28.660	58.0	72.4	68.0	75.7	54.8	65.2	89	39	50	49	48	76	46	50	.383	.375	.354	1.48	.47	4.4	4.8	4.2	5.2
October	29.329	29.730	28.840	44.7	54.9	51.8	57.8	42.0	49.9	84	25	39	40	40	81	59	65	.263	.278	.278	2.27	1.01	6.4	7.2	6.1	7.6
November	29.302	29.860	28.620	38.1	45.7	43.6	49.9	34.5	42.2	74	9	32	34	33	80	66	68	.197	.217	.206	1.51	.77	6.0	7.9	5.4	7.5
December	29.286	29.920	28.740	26.8	30.9	29.3	33.8	23.5	28.6	49	8	22	24	23	81	74	76	.124	.131	.128	1.34	.39	7.8	7.8	7.8	8.2
Year	29.250	29.944	28.421	44.9	54.4	52.3	58.4	41.0	49.7	99	−4	37	38	37	76	56	60	.261	.264	.260	20.92	1.30	5.8	6.4	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	29.458	30.060	28.600	8.8	14.3	14.2	18.5	3.6	11.0	41	−24	3	6	8	76	68	74	0.061	0.066	0.071	0.90	0.51	6.4	6.6	6.2	6.4
February	29.270	29.830	28.740	22.0	28.6	27.9	32.9	16.8	24.8	60	−14	18	20	22	84	71	78	.115	.128	.131	1.67	.67	7.1	6.8	8.2	7.6
March	29.178	29.920	28.670	25.3	32.4	33.2	38.0	22.8	30.4	66	7	19	20	22	76	59	64	.106	.109	.125	.72	.21	6.8	6.0	6.3	6.5
April	29.355	29.630	28.930	38.4	49.3	47.5	54.1	35.2	44.6	78	24	30	33	34	72	54	60	.174	.198	.205	1.01	.51	5.8	6.2	5.7	6.0
May	29.287	29.850	28.740	52.2	61.4	61.1	66.0	47.5	56.8	86	31	44	46	46	74	60	59	.304	.338	.333	1.94	.93	5.9	7.0	6.6	6.5
June	29.206	29.500	28.760	62.1	72.7	72.1	77.1	57.6	67.4	92	45	55	54	55	77	54	58	.440	.436	.451	3.02	1.14	6.4	6.9	6.0	6.4
July	29.288	29.550	28.870	65.2	77.3	77.3	82.6	60.8	71.7	94	47	58	57	59	77	52	54	.488	.487	.509	2.15	.90	5.6	6.3	5.1	5.4
August	29.370	29.652	29.080	62.9	77.9	77.2	82.0	60.5	71.2	94	50	56	56	57	79	48	51	.464	.457	.475	.59	.23	5.6	5.4	5.4	5.1
September	29.265	29.700	28.540	54.7	68.5	64.6	72.9	51.8	62.4	88	35	47	46	46	77	48	53	.343	.339	.332	1.64	.76	5.2	5.3	4.4	5.2
October	29.391	29.843	28.940	43.4	51.4	48.0	54.4	40.7	47.6	81	22	38	39	38	82	64	70	.257	.276	.263	1.70	.73	7.1	7.2	6.4	7.2
November	29.335	29.887	28.536	34.0	42.7	39.7	47.0	30.6	38.8	63	0	29	30	30	81	60	67	.178	.190	.188	.64	.49	5.7	6.1	4.6	6.2
December	29.358	29.990	28.824	22.0	26.7	25.2	30.3	17.2	23.8	54	−2	18	21	20	83	76	81	.104	.116	.114	.33	.14	7.1	7.8	7.1	7.7
Year	29.313	30.060	28.536	40.9	50.3	49.0	54.6	37.1	45.9	94	−24	35	36	36	78	60	64	.253	.262	.266	16.31	1.14	6.2	6.5	6.0	6.4

GREENSBORO, N. C.

[ϕ =36° 05′ N.; λ=79° 57′ 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	29.740	28.860	34.3	45.3	40.5	50.4	29.0	39.7	72	5	31	34	33	89	66	74	0.193	0.218	0.207	3.03	0.86	6.7	6.5	5.2	6.9
February	29.170	29.540	28.610	34.9	53.8	45.2	58.5	30.8	44.6	81	11	30	32	35	83	46	69	.182	.199	.217	1.25	.61	4.4	3.2	2.7	3.7
March	28.942	29.451	28.260	38.5	52.2	45.9	57.5	33.1	45.3	73	16	32	31	31	76	47	58	.190	.192	.192	2.21	1.20	4.7	4.5	4.2	4.5
April	29.109	29.520	28.520	50.9	65.9	59.0	70.7	43.7	57.2	94	29	42	41	43	73	45	57	.280	.278	.289	1.77	.73	4.6	5.0	4.4	5.3
May	29.120	29.370	28.720	64.8	76.9	68.8	80.8	55.5	68.2	90	42	56	54	55	74	47	64	.466	.433	.451	6.04	1.90	4.8	5.2	5.8	5.1
June	29.088	29.480	28.770	69.6	80.5	72.9	85.0	59.4	72.2	100	42	61	58	62	75	50	71	.546	.499	.568	2.66	1.22	4.9	5.1	5.7	5.1
July	29.054	29.290	28.790	74.8	86.0	79.3	90.8	67.3	79.0	99	59	66	64	67	75	50	68	.639	.607	.663	3.42	1.21	5.5	4.3	5.4	5.2
August	29.102	29.357	28.690	68.6	83.1	72.9	87.0	61.4	74.2	101	51	62	61	63	80	49	72	.574	.547	.581	2.25	.61	4.6	4.1	4.6	4.7
September	29.103	29.390	28.860	67.8	81.8	72.5	85.2	63.6	74.4	98	43	64	62	64	88	54	76	.601	.577	.613	1.79	.81	5.8	6.2	5.7	6.1
October	29.157	29.525	28.840	48.3	63.8	54.2	67.3	42.9	55.1	82	23	42	42	44	81	47	70	.294	.287	.316	1.10	.61	4.6	4.1	3.5	4.2
November	29.241	29.830	28.594	39.1	51.7	44.4	54.4	35.9	45.2	73	13	36	35	38	88	58	79	.242	.242	.260	3.06	1.06	6.1	6.1	5.5	6.3
December	29.138	29.660	28.790	27.8	40.7	33.8	43.3	23.7	33.5	65	4	24	26	26	87	57	73	.138	.145	.147	3.86	1.59	5.8	5.9	4.7	5.6
Year	29.124	29.830	28.260	51.6	65.1	57.4	69.2	45.5	57.4	101	4	46	45	47	81	51	69	.362	.352	.375	32.44	1.90	5.2	5.0	4.8	5.2

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	29.099	29.550	28.750	40.1	47.3	45.4	52.8	36.4	44.6	76	22	34	36	36	78	66	71	0.211	0.229	0.234	4.18	1.27	6.3	6.5	5.5	6.1
February	29.026	29.350	28.540	43.8	55.0	53.7	60.5	40.6	50.6	79	23	34	36	34	68	52	49	.210	.232	.210	1.24	.98	3.7	2.9	3.5	3.1
March	28.808	29.243	28.190	43.3	52.4	50.9	58.2	39.0	48.6	70	20	36	38	36	75	61	60	.224	.245	.233	3.51	2.62	4.9	4.4	4.4	4.9
April	28.957	29.360	28.460	56.0	68.0	65.7	73.4	52.4	62.9	89	42	44	45	44	65	48	48	.297	.317	.297	2.58	1.60	4.0	5.1	4.5	4.7
May	28.974	29.220	28.640	65.8	75.0	71.9	80.2	61.1	70.6	88	52	56	55	55	73	53	59	.469	.456	.453	2.27	.83	5.6	6.5	6.1	6.0
June	28.932	29.310	28.600	70.4	79.6	76.4	84.7	65.1	74.9	99	53	61	59	59	73	52	57	.544	.517	.514	5.23	2.45	4.7	4.7	6.0	5.1
July	28.915	29.140	28.700	75.8	86.7	82.9	91.1	70.9	81.0	102	60	66	64	65	74	51	58	.654	.613	.632	3.76	1.40	4.6	5.4	5.5	5.3
August	28.957	29.200	28.730	71.1	83.2	78.3	87.0	67.0	77.0	98	54	62	61	63	73	49	60	.562	.559	.579	2.65	1.80	2.9	4.3	6.4	4.9
September	28.960	29.230	28.790	69.2	80.2	74.6	83.8	66.8	75.3	95	58	64	64	64	85	61	72	.617	.616	.611	2.74	1.34	6.2	5.8	5.9	6.1
October	29.006	29.350	28.700	53.8	65.2	60.9	69.2	50.9	60.0	84	36	45	44	45	72	49	59	.314	.316	.326	1.45	.73	2.8	3.6	2.5	3.9
November	29.090	29.580	28.520	44.2	52.3	49.9	55.8	42.3	49.0	76	21	37	39	39	76	64	68	.249	.268	.268	5.82	1.57	5.3	5.9	5.1	5.7
December	28.981	29.480	28.670	34.4	43.4	40.4	47.2	31.8	39.5	66	18	27	30	30	75	60	68	.183	.170	.172	4.60	2.12	4.7	5.1	3.6	4.6
Year	28.975	29.580	28.190	55.7	65.7	62.6	70.3	52.0	61.2	102	18	47	48	48	74	56	61	.375	.378	.377	40.03	2.62	4.8	5.0	5.0	5.0

Annual meteorological summary for the year ending December 31, 1930—Continued

GRAND RAPIDS, MICH.

[H_b=707 ft.; h_t=70 ft.; h_r=70 ft.; h_a=244 ft.]

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorm	Aurora
	Miles		*Mi.*																									
January	5.9	SW.	20	NW.	0	4	8	2	6	3	16	10	13	0	1	8	22	17	15	24	14	0	1	22	0	29	0	0
February	5.6	SW.	26	NW.	0	3	4	3	10	7	14	6	9	0	3	9	16	13	9	16	8	0	1	7	0	20	2	0
March	7.4	NW.	25	SW.	0	6	4	7	7	2	10	9	17	0	12	6	13	9	6	14	6	0	0	6	0	29	0	0
April	11.1	N.	38	N.	2	9	6	10	5	8	8	5	9	0	7	10	13	10	6	3	0	0	1	0	0	10	2	1
May	11.2	SW.	54	SW.	6	7	5	4	8	8	13	12	5	0	8	12	11	14	12	0	0	2	0	0	0	0	9	2
June	11.4	SW.	44	SW.	3	7	1	4	5	8	17	12	6	0	7	13	10	9	8	0	0	1	0	0	1	0	7	1
July	9.4	SW.	35	SW.	3	13	5	5	4	4	12	14	5	0	13	10	8	5	3	0	0	0	0	0	10	0	2	1
August	8.2	NE.	34	SW.	1	8	11	9	2	6	11	10	5	0	11	13	7	6	3	0	0	0	0	0	9	0	8	0
September	10.4	SW.	54	SW.	3	4	3	6	4	13	15	10	4	1	9	11	10	8	5	0	0	0	1	0	0	0	4	0
October	8.1	SE.	33	W.	1	7	2	11	13	9	4	7	9	0	5	8	18	9	4	5	3	0	5	0	0	7	1	0
November	11.8	SW.	38	SW.	3	4	1	1	14	14	17	2	7	0	5	5	20	9	8	10	3	1	3	4	0	12	1	0
December	10.0	SW.	27	S.	0	4	8	5	6	8	13	11	7	0	4	3	24	14	11	20	10	0	1	13	0	22	0	0
Year	9.2	SW.	54	SW.	22	76	58	67	84	90	150	108	96	1	85	108	172	123	90	92	44	4	13	52	20	129	36	5

GREEN BAY, WIS.

[H_b=617 ft.; h_t=109 ft.; h_r=101 ft.; h_a=141 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	9.9	SW.	31	N.	0	11	0	1	3	14	21	6	6	0	8	8	15	9	6	20	9	0	0	26	0	31	0	0
February	9.4	S.	31	NE.	0	5	9	2	4	10	14	8	3	1	3	7	18	12	8	14	9	0	1	15	0	22	2	0
March	11.7	NW.	32	NE.	0	12	3	4	2	9	11	7	14	0	7	8	16	10	5	11	8	0	0	8	0	30	0	4
April	10.0	S.	33	NW.	1	7	12	4	10	11	3	5	8	0	7	11	12	6	4	1	1	0	3	0	0	10	2	4
May	10.4	S.	42	W.	2	3	5	4	11	17	8	9	5	0	6	11	14	10	7	0	0	1	0	0	0	1	5	7
June	9.6	S.	37	NW.	3	7	2	2	3	17	17	8	4	0	7	7	16	12	11	0	0	0	0	0	1	0	7	2
July	8.5	S.	33	W.	1	8	3	2	7	15	14	8	5	0	9	13	9	10	5	0	0	0	0	0	6	0	9	3
August	7.6	N.	23	N.	0	11	6	4	5	14	9	6	7	0	11	12	8	5	4	0	0	0	1	0	4	0	2	2
September	9.7	S.	34	W.	1	3	4	5	8	12	10	13	4	1	11	8	11	8	6	0	0	0	0	0	0	0	7	6
October	9.2	S.	30	W.	0	6	2	5	12	13	7	12	5	0	7	3	21	6	5	4	0	0	1	1	0	9	0	2
November	11.9	S.	36	S.	1	4	2	1	7	14	18	9	5	0	8	10	12	4	4	9	1	0	2	5	0	11	0	1
December	8.9	SW.	26	NW.	0	5	4	3	0	7	16	13	14	0	5	5	21	6	3	20	4	0	3	21	0	30	0	0
Year	9.7	S.	42	W.	9	82	52	37	72	153	148	104	80	2	89	103	173	98	68	79	32	1	11	76	11	144	34	31

GREENSBORO, N. C.

[H_b=886 ft.; h_t=5 ft.; h_r=3 ft.; h_a=56 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	7.0	SW.	30	NE.	0	14	10	3	4	10	10	6	4	1	3	12	16	13	9	4	3	0	8	1	0	19	1	0
February	7.0	SW.	27	NW.	0	4	2	5	1	14	17	3	10	0	16	6	6	3	3	1	0	0	4	0	0	16	1	0
March	9.2	SW.	33	SW.	2	3	7	1	3	7	20	11	9	1	12	9	10	10	9	2	1	0	2	0	0	14	3	0
April	7.7	NE.	30	NW.	0	7	14	5	4	4	12	2	12	0	10	11	9	6	5	0	0	0	1	0	2	3	1	0
May	7.2	SW.	31	W.	0	8	9	3	3	6	22	10	1	0	12	8	11	8	7	0	0	2	1	0	1	0	9	0
June	6.1	S.	36	W.	1	5	9	1	9	13	12	7	3	1	8	12	10	13	8	0	0	0	0	0	6	0	9	0
July	6.1	SW.	28	N.	0	4	11	3	8	11	13	8	3	1	8	17	6	11	10	0	0	0	1	0	19	0	11	0
August	5.5	SW.	31	NE.	0	4	13	8	2	7	15	6	4	3	12	12	7	9	8	0	0	0	0	0	13	0	8	0
September	5.8	SW.	28	NW.	0	3	10	0	1	13	19	5	2	7	7	10	13	10	7	0	0	0	2	0	10	0	5	0
October	6.1	NE.	23	NW.	0	7	20	4	3	1	6	8	9	4	15	5	11	8	7	0	0	0	1	0	0	7	1	0
November	6.7	NE.	36	N.	1	10	19	2	3	4	8	5	5	4	12	3	15	10	9	2	0	0	4	0	0	13	0	0
December	7.0	W.	28	NW.	0	9	11	3	0	1	14	13	10	1	14	2	15	4	4	3	1	0	3	3	0	25	0	0
Year	6.8	SW.	36	W.	4	78	135	38	41	91	168	84	72	23	129	107	129	105	86	12	5	2	27	4	51	97	49	0

GREENVILLE, S. C.

[H_b=1,039 ft.; h_t=139 ft.; h_r=131 ft.; h_a=146 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	6.8	NE.	29	NE.	0	7	25	2	3	6	7	8	4	0	9	7	15	13	10	3	3	0	2	0	0	13	2	0
February	7.0	SW.	30	N.	0	9	9	3	4	10	11	4	6	0	19	5	4	6	3	1	0	0	2	0	0	4	0	0
March	9.9	W.	38	W.	4	4	9	3	2	14	11	17	2	0	12	9	10	9	8	0	0	0	3	0	0	5	2	0
April	7.9	NE.	48	W.	1	7	14	1	3	13	7	8	6	1	12	9	9	7	6	0	0	0	0	0	0	0	2	0
May	7.1	W.	29	W.	0	10	14	1	0	13	12	9	3	0	8	9	14	9	9	0	0	0	1	0	0	0	8	0
June	6.3	NE.	24	W.	0	10	14	4	6	14	2	7	2	0	9	12	9	11	10	0	0	0	0	0	7	0	7	0
July	6.2	W.	32	SW.	0	10	15	2	2	3	10	12	6	2	9	15	7	9	6	0	0	0	0	0	22	0	9	0
August	5.5	NE.	32	W.	0	11	17	7	4	6	3	7	3	4	8	17	6	7	4	0	0	0	0	0	12	0	7	0
September	5.9	NE.	22	W.	0	7	15	5	3	7	10	6	7	0	4	16	10	12	10	0	0	0	0	0	6	0	3	0
October	6.3	NE.	28	N.	0	13	20	5	3	4	3	6	7	1	15	10	6	6	5	0	0	0	0	0	0	0	1	0
November	7.9	NE.	34	W.	2	7	26	4	3	5	4	8	3	0	11	5	14	9	8	0	0	0	1	0	0	7	0	0
December	6.7	NE.	23	NE.	0	10	23	3	0	7	9	4	5	1	14	3	14	6	5	2	2	0	3	0	0	16	0	0
Year	7.0	NE.	48	W.	7	105	201	40	33	102	89	96	55	9	130	117	118	104	84	6	5	0	12	0	47	45	41	0

Annual meteorological summary for the year ending December 31, 1930—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	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	29.715	30.180	29.260	32.5	39.9	----	45.6	28.2	36.9	69	−2	30	31	---	90	74	---	0.190	0.196	----	1.53	0.56	6.2	5.9	----	6.4
February	29.562	29.920	29.080	51.1	61.4	----	66.6	49.0	57.8	81	31	48	50	---	91	68	---	.355	.371	----	2.27	.96	6.5	5.6	----	5.1
March	29.518	30.120	28.880	47.2	59.0	----	64.4	44.5	54.4	83	29	42	42	---	84	56	---	.295	.290	----	2.38	1.18	5.0	5.8	----	5.1
April	29.500	29.800	29.200	60.1	78.0	----	81.2	58.8	70.0	91	53	54	52	---	82	45	---	.427	.412	----	2.09	1.93	4.9	4.0	----	4.2
May	29.470	29.840	29.060	66.9	75.1	----	78.8	63.8	71.3	86	54	63	63	---	89	69	---	.596	.598	----	9.93	4.51	6.9	6.6	----	6.4
June	29.474	29.656	29.220	71.1	85.9	----	89.3	68.4	78.8	102	56	66	63	---	84	48	---	.641	.583	----	1.27	.62	5.5	4.2	----	3.4
July	29.536	29.650	29.280	75.5	91.6	----	96.0	72.8	84.4	102	68	69	64	---	80	41	---	.706	.601	----	.26	.16	2.4	4.1	----	2.7
August	29.508	29.660	29.291	74.5	91.8	----	95.6	72.9	84.2	103	64	69	64	---	84	41	---	.709	.602	----	1.50	.90	3.3	3.9	----	3.8
September	29.470	29.680	29.200	69.7	83.8	----	88.2	68.5	78.4	96	54	66	64	---	89	52	---	.661	.605	----	3.11	1.31	4.7	4.2	----	4.2
October	29.549	30.050	29.130	58.5	71.3	----	74.7	56.7	65.7	86	38	55	55	---	87	59	---	.454	.468	----	5.92	4.59	5.6	4.4	----	4.3
November	29.642	30.020	28.980	49.0	62.6	----	66.4	46.8	56.6	81	29	44	42	---	82	51	---	.313	.311	----	3.86	3.18	5.5	5.5	----	5.5
December	29.672	29.930	29.330	39.9	51.0	----	54.3	37.8	46.0	69	28	36	38	---	87	64	---	.221	.246	----	1.96	1.39	5.7	6.0	----	6.1
Year	29.551	30.180	28.880	58.0	71.0	----	75.1	55.7	65.4	103	−2	54	52	---	86	56	---	.464	.440	----	36.06	4.59	5.2	5.0	----	4.7

HANNIBAL, MO.

[ϕ=39° 41′ N.; λ=91° 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	29.655	30.110	28.940	14.8	21.9	----	27.2	9.9	18.6	57	−17	10	14	---	81	70	---	0.081	0.089	----	3.45	0.77	5.2	5.6	----	5.6
February	29.453	30.000	29.040	36.9	46.1	----	50.9	33.2	42.0	79	6	30	33	---	76	62	---	.185	.212	----	1.73	1.16	6.4	6.9	----	6.1
March	29.353	29.860	28.920	32.8	45.3	----	51.1	31.1	41.1	71	14	25	25	---	72	46	---	.141	.144	----	.94	.79	2.5	5.5	----	4.3
April	29.448	29.720	29.080	49.5	64.4	----	69.9	46.9	58.4	93	33	38	39	---	66	43	---	.248	.266	----	1.63	1.00	4.8	5.3	----	4.7
May	29.420	29.840	28.900	58.5	70.0	----	75.3	54.1	64.7	89	40	50	47	---	76	48	---	.381	.344	----	2.06	.66	4.4	5.0	----	4.1
June	29.385	29.650	29.140	66.9	78.0	----	82.8	62.7	72.8	99	43	58	57	---	73	51	---	.487	.487	----	10.35	5.20	4.8	5.2	----	4.7
July	29.431	29.650	29.180	73.0	88.0	----	92.4	68.6	80.5	106	50	61	60	---	67	40	---	.550	.530	----	.76	.72	2.4	4.4	----	3.3
August	29.470	29.720	29.290	68.6	84.2	----	89.4	66.5	78.0	104	54	59	58	---	73	44	---	.513	.494	----	1.45	.96	5.1	5.4	----	5.2
September	29.407	29.730	28.960	62.2	77.3	----	82.1	60.6	71.4	98	43	55	56	---	79	50	---	.461	.477	----	3.12	2.40	5.2	4.9	----	4.7
October	29.524	30.030	29.090	48.1	60.5	----	64.8	46.0	55.4	85	24	42	41	---	80	52	---	.304	.299	----	2.22	2.06	3.8	4.3	----	4.1
November	29.531	30.050	28.700	36.9	50.2	----	55.8	34.8	45.3	75	14	31	32	---	80	52	---	.188	.204	----	3.36	1.84	2.9	3.8	----	3.6
December	29.544	30.080	29.210	29.2	36.1	----	39.6	26.8	33.2	62	15	24	26	---	82	65	---	.134	.144	----	.46	.39	4.9	6.0	----	5.5
Year	29.468	30.110	28.700	48.1	60.2	----	65.1	45.1	55.1	106	−17	40	41	---	75	52	---	.306	.308	----	31.55	5.20	4.4	5.2	----	4.7

HARRISBURG, PA.

[ϕ=40° 16′ N.; λ=76° 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	29.842	30.390	29.370	27.0	32.1	32.0	37.1	23.3	30.2	60	5	20	22	22	74	66	65	0.128	0.138	0.137	1.69	0.76	5.9	8.0	5.5	7.3
February	29.705	30.150	29.230	31.7	39.7	39.5	45.5	28.5	37.0	74	5	23	26	28	70	59	63	.142	.162	.167	2.75	.96	6.4	5.6	6.1	6.4
March	29.433	30.141	28.760	35.0	43.7	43.8	49.6	31.9	40.8	71	19	26	25	26	67	48	50	.146	.143	.156	3.84	1.95	5.1	5.2	4.5	4.9
April	29.654	30.080	28.840	44.1	52.6	52.6	58.1	40.8	49.4	74	30	32	34	36	64	50	56	.191	.201	.224	2.46	1.66	6.0	6.1	6.2	6.1
May	29.618	29.970	29.240	58.9	69.1	67.4	74.0	53.6	63.8	91	45	48	48	46	68	49	48	.343	.349	.323	2.62	1.19	4.5	5.5	4.2	4.7
June	29.586	29.988	29.194	67.7	78.4	75.7	83.2	62.3	72.8	95	45	57	57	58	69	49	58	.475	.476	.500	5.38	1.94	4.1	4.6	4.3	4.1
July	29.551	29.840	29.270	71.6	82.0	80.8	87.5	66.5	77.0	100	55	60	58	58	67	46	49	.525	.500	.506	1.24	.48	4.1	4.8	4.5	4.4
August	29.623	29.958	29.350	67.9	79.4	77.7	84.8	63.3	74.0	103	50	56	53	52	66	42	45	.451	.414	.402	1.21	.66	4.6	4.7	5.7	5.0
September	29.625	29.909	29.280	64.8	76.6	73.3	81.9	61.6	71.8	93	50	57	56	56	78	50	57	.497	.474	.481	2.89	1.31	5.6	4.4	4.1	4.8
October	29.717	30.065	29.300	47.1	59.6	56.3	63.3	44.5	53.9	80	30	40	38	39	76	46	53	.263	.250	.260	.11	.04	3.5	4.6	4.3	4.5
November	29.802	30.367	28.993	39.9	47.9	46.0	51.8	37.3	44.6	68	13	32	33	34	75	58	63	.213	.214	.224	.81	.25	6.3	7.9	5.7	6.9
December	29.697	30.240	29.180	29.1	34.9	33.6	37.9	26.4	32.2	51	12	21	22	23	70	58	65	.116	.120	.128	2.27	1.89	7.0	7.3	6.8	7.2
Year	29.654	30.390	28.760	48.7	58.0	56.6	62.9	45.0	54.0	103	5	39	39	40	70	52	56	.291	.287	.292	27.29	1.95	5.3	5.7	5.2	5.5

HARTFORD, CONN.

[ϕ=41° 46′ N.; λ=72° 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	30.044	30.661	29.490	----	----	30.5	36.0	22.5	29.2	59	7	----	----	23	----	----	72	----	----	0.136	2.51	0.88	----	----	6.5	7.0
February	29.889	30.420	29.350	----	----	34.7	41.6	24.0	32.8	69	−1	----	----	24	----	----	64	----	----	.150	2.05	.63	----	----	4.8	5.0
March	29.587	30.266	28.810	----	----	38.5	45.3	29.0	37.2	60	16	----	----	25	----	----	60	----	----	.145	3.64	1.92	----	----	4.8	5.2
April	29.842	30.420	28.930	----	----	47.1	56.4	36.8	46.6	76	27	----	----	31	----	----	55	----	----	.181	1.68	.72	----	----	4.0	6.4
May	29.783	30.200	29.480	----	----	60.7	71.5	50.7	61.1	93	43	----	----	46	----	----	62	----	----	.327	4.57	1.77	----	----	5.6	5.7
June	29.788	30.180	29.290	----	----	71.8	81.7	62.0	71.8	94	44	----	----	61	----	----	70	----	----	.548	4.54	1.20	----	----	4.0	4.9
July	29.731	30.020	29.380	----	----	74.2	83.0	62.8	72.9	99	53	----	----	63	----	----	69	----	----	.570	2.55	1.03	----	----	3.7	4.8
August	29.838	30.170	29.470	----	----	71.1	80.5	60.5	70.5	98	50	----	----	60	----	----	69	----	----	.528	1.92	.64	----	----	3.8	4.8
September	29.816	30.207	29.490	----	----	68.0	77.3	57.7	67.5	87	43	----	----	60	----	----	76	----	----	.531	1.31	.38	----	----	3.2	4.5
October	29.882	30.210	29.265	----	----	53.6	61.6	41.7	51.6	84	29	----	----	44	----	----	70	----	----	.299	2.42	.68	----	----	3.8	4.6
November	29.985	30.600	28.908	----	----	44.6	50.6	35.0	42.8	70	14	----	----	35	----	----	71	----	----	.225	3.51	.99	----	----	3.2	5.5
December	29.858	30.470	29.260	----	----	33.0	38.0	25.4	31.7	56	2	----	----	24	----	----	68	----	----	.132	2.35	1.37	----	----	6.1	6.2
Year	29.837	30.661	28.810	----	----	52.3	60.3	42.3	51.3	99	−1	----	----	41	----	----	67	----	----	.314	33.06	1.92	----	----	4.5	5.4

Annual meteorological summary for the year ending December 31, 1930—Continued

GROESBECK, TEX.

[H_b=461 ft.; h_i=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 33 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorm	Aurora
	Miles		*Mi.*																									
January	9.4	N.	30	N.	0	16	2	3	2	4	0	0	4	0	10	3	18	13	10	2	1	0	2	5	0	18	1	0
February	10.8	S.	30	N.	0	5	2	2	5	7	5	1	1	0	10	9	9	8	5	0	0	0	0	0	0	1	4	0
March	10.7	S.	42	SW.	1	5	3	1	3	8	4	1	5	1	12	9	10	12	4	0	0	0	1	0	0	2	1	0
April	10.1	S.	30	W.	0	1	0	3	5	13	4	0	4	0	13	11	6	6	4	0	0	0	0	0	2	0	5	0
May	9.1	SE.	31	W.	0	2	4	5	10	7	1	0	0	2	8	7	16	12	9	0	0	1	2	0	0	0	11	0
June	8.5	S.	23	NE.	0	1	2	0	7	12	5	0	2	1	17	10	3	4	4	0	0	0	0	0	12	0	0	0
July	8.0	S.	34	SE.	1	3	0	0	1	14	8	2	0	3	20	10	1	2	2	0	0	0	0	0	31	0	3	0
August	7.3	S.	22	SE.	0	0	2	5	7	11	4	1	0	1	17	10	4	6	5	0	0	0	0	0	27	0	5	0
September	8.1	S.	27	SW.	0	5	5	4	5	7	3	0	1	0	13	11	6	6	5	0	0	0	1	0	15	0	5	0
October	7.9	E.	28	S.	0	6	3	6	5	8	0	0	2	1	17	5	9	8	7	0	0	0	2	0	0	0	1	0
November	8.5	SE.	30	SW.	0	5	6	1	5	2	6	2	2	1	11	7	12	6	5	0	0	0	1	0	0	2	1	0
December	7.8	N.	27	NW.	0	7	2	2	2	3	2	3	10	0	7	8	16	8	6	0	0	0	0	0	0	6	0	0
Year	8.8	S.	42	SW.	2	56	31	32	57	96	42	10	31	10	155	100	110	91	66	2	1	1	9	5	87	29	37	0

HANNIBAL, MO.

[H_b=534 ft.; h_i=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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	8.4	SW.	27	SW.	0	6	0	1	2	1	11	4	6	0	13	2	16	16	12	12	8	0	0	20	0	29	0	0
February	8.6	SW.	29	SW.	0	3	2	0	1	5	10	4	3	0	7	9	12	6	4	3	1	0	2	2	0	15	1	0
March	10.7	NW.	29	NW.	0	5	1	4	0	2	6	8	5	0	12	13	6	5	4	5	1	0	0	1	0	19	2	0
April	8.6	SW.	35	SW.	1	6	1	6	1	4	6	1	5	0	12	7	11	7	5	1	0	1	1	0	2	0	2	0
May	9.4	SW.	40	SW.	3	3	6	0	1	5	10	4	2	0	14	10	7	11	8	0	0	0	0	0	0	0	4	0
June	7.7	NW.	25	SE.	0	5	3	1	0	5	8	0	7	1	14	9	7	7	7	0	0	0	0	0	5	0	5	0
July	6.3	SW.	21	E.	0	1	3	1	1	1	16	1	5	2	16	12	3	2	2	0	0	0	0	0	20	0	3	0
August	5.4	SW.	21	SW.	0	6	5	2	2	0	12	2	0	2	13	6	12	11	4	0	0	0	1	0	15	0	7	0
September	7.0	SW.	36	SW.	1	4	4	2	1	3	13	0	3	0	13	8	9	4	3	0	0	0	0	0	3	0	2	0
October	6.5	NW.	25	W.	0	1	0	2	4	3	9	4	5	3	17	6	8	4	3	4	0	0	1	0	0	7	0	0
November	9.0	SW.	32	SW.	0	2	0	3	3	6	11	0	4	1	17	6	7	8	4	4	3	0	3	2	0	11	0	0
December	7.8	SW.	24	NW.	0	2	3	1	2	2	9	6	6	0	11	7	13	4	2	7	2	0	0	4	0	24	0	0
Year	8.0	SW.	40	SW.	5	44	28	23	18	37	121	34	51	9	159	95	111	85	58	36	15	1	8	29	45	105	26	0

HARRISBURG, PA.

[H_b=374 ft.; h_i=94 ft.; h_r=42 ft.; h_a=104 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	5.1	NW.	22	NW.	0	5	13	8	7	2	5	11	11	0	6	6	19	10	5	12	3	0	5	14	0	23	0	0
February	5.4	W.	24	SW.	0	5	7	3	8	2	11	9	11	0	8	8	12	9	8	7	4	0	1	2	0	18	1	0
March	8.0	W.	33	SW.	1	2	4	4	4	5	10	14	19	0	13	9	9	10	7	5	2	0	0	2	0	16	1	0
April	6.8	W.	28	W.	0	3	8	9	9	5	4	11	11	0	7	12	11	12	7	1	0	0	0	0	0	2	1	0
May	6.5	W.	25	SW.	0	4	5	3	7	3	7	16	17	0	12	13	6	7	6	0	0	0	0	0	1	0	4	0
June	5.7	W.	31	NW.	0	5	4	2	11	12	6	15	5	0	15	10	5	9	8	0	0	0	0	0	5	0	6	0
July	5.1	NW.	19	W.	0	10	11	5	6	4	6	8	12	0	13	13	5	7	6	0	0	1	0	0	11	0	6	0
August	4.6	NW.	18	SW.	0	6	15	1	6	7	6	9	10	2	10	16	5	6	5	0	0	0	0	0	10	0	3	0
September	4.4	W.	30	SW.	0	5	6	11	9	2	6	11	6	4	10	14	6	8	7	0	0	0	0	0	1	0	5	0
October	4.9	NW.	24	SW.	0	10	8	5	3	1	6	10	18	1	13	12	6	6	0	1	0	0	0	0	0	3	0	0
November	6.0	W.	24	SW.	0	2	11	5	6	9	8	13	5	1	4	11	15	9	6	3	0	0	1	3	0	11	0	0
December	6.5	W.	26	SW.	0	2	8	2	2	6	5	23	14	0	5	9	17	5	4	12	3	0	1	5	0	22	0	0
Year	5.8	W.	33	SW.	1	59	100	58	78	58	80	150	139	8	116	133	116	98	69	41	12	1	8	26	28	95	27	0

HARTFORD, CONN.

[H_b=159 ft.; h_i=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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January		NW.*	----	----	----	3	4	1	1	4	5	2	11	0	7	6	18	10	8	11	6	0	1	14	0	23	0	0
February		SW.	----	----	----	3	3	0	0	4	12	0	6	0	10	10	8	13	9	11	6	0	4	7	0	21	1	0
March		NW.	----	----	----	5	1	1	2	3	5	4	10	0	11	7	13	9	7	5	0	0	0	2	0	21	1	0
April		NW.	----	----	----	4	2	0	2	4	8	1	9	0	6	12	12	9	7	3	0	0	0	0	0	6	0	0
May		NW.	----	----	----	3	2	2	0	6	5	5	8	0	10	10	11	14	11	0	0	0	0	0	2	0	4	3
June		SW.	----	----	----	0	0	0	2	9	11	1	7	0	11	12	7	12	11	0	0	0	0	0	3	0	7	3
July		N.	----	----	----	9	1	2	0	7	6	2	4	0	12	11	8	11	10	0	0	2	0	0	4	0	12	0
August		S.	----	----	----	3	3	2	0	10	7	2	4	0	12	12	7	9	7	0	0	1	2	0	3	0	6	0
September		SW.	----	----	----	2	1	1	1	5	10	3	7	0	13	9	8	6	5	0	0	0	1	0	0	0	3	0
October		N.	----	----	----	6	2	3	0	6	6	3	5	0	13	8	10	10	8	1	0	0	0	0	0	2	1	0
November		SW.	----	----	----	2	3	3	0	3	11	5	3	0	12	7	11	12	11	4	0	0	3	2	0	14	2	0
December		SW.	----	----	----	4	5	4	0	3	6	2	6	1	11	3	17	9	8	10	3	0	2	6	0	22	0	0
Year		SW.	----	----	----	44	27	19	8	64	92	30	80	1	128	107	130	124	102	45	15	3	13	31	12	109	37	6

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1930—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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	30.200	30.700	29.650	49.5	53.7	49.1	57.8	43.5	50.6	74	31	46	46	45	86	77	87	0.328	0.338	0.317	5.02	1.40	6.1	6.0	5.2	6.5
February	30.117	30.500	29.560	48.1	55.2	50.9	58.8	44.4	51.6	73	29	42	44	45	81	67	80	.286	.304	.315	.73	.48	3.5	3.8	1.5	3.3
March	29.883	30.340	29.220	50.1	55.8	51.9	57.9	45.1	51.5	68	31	42	43	44	75	63	74	.285	.293	.304	3.15	1.06	4.6	5.5	3.9	5.1
April	30.026	30.460	29.440	60.4	65.0	59.3	67.2	52.9	60.0	85	41	53	55	53	79	71	82	.424	.450	.423	2.81	1.73	3.9	4.2	3.8	4.1
May	30.035	30.248	29.660	71.9	75.2	69.2	76.9	63.9	70.4	85	54	65	65	64	80	72	83	.626	.631	.604	1.96	1.01	4.5	4.3	4.6	4.4
June	30.008	30.397	29.650	76.4	80.2	74.1	81.2	68.9	75.0	87	53	69	69	69	78	69	84	.705	.711	.713	7.78	3.35	5.1	3.8	4.6	4.2
July	29.956	30.193	29.752	80.0	84.1	77.8	85.4	73.3	79.4	91	67	73	74	73	80	73	85	.818	.851	.812	3.91	1.22	3.9	3.5	4.3	3.6
August	29.987	30.270	29.730	76.8	80.9	75.3	82.0	71.4	76.7	87	62	69	69	68	77	69	79	.711	.729	.697	3.07	2.16	5.2	4.3	3.5	4.2
September	30.003	30.310	29.370	78.7	82.8	76.2	83.5	73.3	78.4	87	66	72	73	72	81	72	86	.799	.811	.785	4.78	2.54	5.2	4.9	4.7	5.0
October	30.038	30.370	29.740	62.2	67.5	62.0	68.5	57.9	63.2	81	42	54	54	54	75	64	77	.432	.446	.443	2.71	1.47	4.8	4.4	3.4	4.8
November	30.162	30.760	29.460	53.3	58.4	53.9	60.1	49.5	54.8	74	31	48	48	48	81	70	83	.354	.366	.367	3.48	2.43	5.3	4.4	4.7	6.1
December	30.040	30.640	29.570	43.6	48.7	45.6	51.4	40.4	45.9	65	32	39	41	40	84	76	82	.251	.271	.261	7.46	3.34	6.1	6.5	5.5	6.4
Year	30.038	30.760	29.220	62.6	67.3	62.1	69.2	57.0	63.1	91	29	56	57	56	80	70	82	.502	.517	.503	46.86	3.35	4.8	4.6	4.1	4.8

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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	27.508	28.010	27.000	0.3	7.6	4.5	11.6	−6.5	2.6	44	−31	−2	4	2	92	86	88	0.042	0.056	0.049	0.18	0.06	6.7	6.5	5.5	6.4
February	27.245	27.770	26.830	29.8	36.6	34.7	42.7	23.9	33.3	62	−1	22	26	24	75	66	66	.125	.142	.136	.27	.12	6.0	7.2	6.5	6.8
March	27.353	28.070	26.730	22.0	35.1	35.9	40.7	18.5	29.6	62	−8	18	23	22	87	61	56	.103	.123	.118	.58	.20	5.5	6.8	5.5	6.0
April	27.285	27.680	26.920	40.1	59.5	61.2	65.9	38.2	52.0	80	25	32	34	33	75	40	37	.185	.197	.191	1.12	.59	4.5	5.1	5.9	5.0
May	27.262	27.670	26.804	44.4	61.7	63.5	66.3	42.0	54.2	84	31	36	32	32	72	36	34	.210	.187	.184	.88	.25	5.9	6.0	6.1	5.7
June	27.262	27.610	26.845	52.3	71.4	74.2	77.4	49.8	63.6	97	42	42	39	37	71	34	30	.275	.242	.227	1.65	.54	5.0	4.7	4.8	4.7
July	27.356	27.690	27.090	60.5	82.5	85.5	88.8	58.5	73.6	104	44	47	44	42	63	28	23	.331	.294	.276	.76	.63	3.5	2.7	4.2	3.5
August	27.378	27.629	27.070	58.6	81.7	83.1	87.5	57.0	72.2	100	38	45	44	43	63	30	27	.308	.297	.288	.34	.16	3.0	3.3	4.3	3.6
September	27.307	27.770	26.780	46.8	64.6	66.2	71.1	44.2	57.6	89	33	40	41	41	78	45	44	.251	.265	.252	1.39	.54	4.3	4.8	5.3	5.0
October	27.406	27.830	26.760	31.2	46.3	43.6	50.7	28.7	39.7	72	9	27	29	30	86	53	60	.155	.166	.174	.48	.15	4.3	6.1	5.5	5.6
November	27.409	27.910	26.440	25.2	37.1	33.1	42.0	19.4	30.7	71	−11	20	23	23	81	62	71	.109	.123	.125	.82	.38	3.6	5.7	5.8	6.0
December	27.407	27.660	27.110	26.6	34.0	30.4	38.5	19.8	29.2	50	7	20	25	24	78	70	75	.108	.132	.125	.26	.15	3.0	4.3	3.4	4.3
Year	27.348	28.070	26.440	36.5	51.5	51.3	56.9	32.8	44.9	104	−31	29	30	29	77	51	51	.184	.185	.180	8.73	.63	4.6	5.3	5.2	5.2

HELENA, MONT.

[ϕ=45° 34′ N.; λ=112° 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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	25.855	26.320	25.350	1.1	6.0	5.4	13.1	−5.2	4.0	48	−32	−6	−2	−2	71	68	70	0.038	0.046	0.047	0.77	0.31	6.5	6.7	5.8	6.6
February	25.722	26.080	25.340	32.8	38.7	38.8	43.5	28.2	35.8	64	11	22	23	23	63	55	54	.119	.125	.125	.25	.07	6.5	6.4	7.3	7.6
March	25.772	26.350	25.270	24.5	33.8	35.3	40.3	20.5	30.4	59	−12	18	22	22	75	62	58	.101	.121	.118	1.06	.32	5.7	7.3	6.7	7.1
April	25.736	26.130	25.410	40.7	57.1	59.6	63.3	38.8	51.0	77	28	32	35	35	71	45	43	.182	.207	.210	.78	.33	6.0	7.5	6.6	7.4
May	25.703	26.030	25.300	43.5	57.7	60.0	63.7	41.1	52.4	83	31	34	36	35	70	46	42	.199	.211	.210	.80	.53	6.9	7.3	7.4	6.9
June	25.757	26.080	25.410	51.0	68.1	70.3	73.8	47.8	60.8	94	39	34	35	34	54	31	30	.197	.207	.206	.54	.38	4.4	5.6	5.7	5.4
July	25.845	26.094	25.573	58.6	78.4	79.8	84.4	56.6	70.5	96	49	42	44	41	54	32	27	.269	.293	.262	.69	.40	4.2	4.9	6.0	5.2
August	25.854	26.040	25.660	57.7	76.7	77.6	82.6	56.3	69.4	93	39	44	46	44	63	37	33	.298	.325	.300	.54	.20	5.0	5.5	6.7	5.6
September	25.781	26.130	25.350	48.4	63.5	65.2	69.2	46.2	57.7	86	32	38	40	39	67	45	42	.229	.259	.242	1.12	.55	6.2	5.5	5.6	5.7
October	25.827	26.140	25.280	36.3	45.4	45.0	50.1	33.7	41.9	68	11	28	31	30	73	59	58	.165	.183	.178	1.20	.36	6.6	7.9	7.8	7.4
November	25.872	26.380	24.930	28.3	37.8	37.7	43.8	24.2	34.0	64	−1	20	25	23	70	59	56	.110	.135	.124	.48	.40	5.5	7.5	6.1	6.6
December	25.913	26.140	25.660	25.3	32.2	31.0	36.4	22.5	29.4	49	8	16	20	19	65	60	59	.088	.109	.100	T.	T.	4.5	6.5	5.2	5.5
Year	25.803	26.380	24.930	37.4	49.6	50.5	55.4	34.2	44.8	96	−31	27	30	29	66	50	48	.166	1.85	.177	8.23	.55	5.7	6.6	6.4	6.4

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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	* 29.852	30.050	29.680	† 68.9	74.0	† 70.4	75.9	65.1	70.5	80	57	† 62	62	† 62	† 78	68	† 75	† 0.554	0.570	† 0.558	7.62	4.39	† 4.1	5.7	† 4.2	5.3
February	30.002	30.150	29.750	71.2	75.9	72.0	77.8	67.5	72.6	81	65	64	64	64	77	67	75	.589	.600	.594	1.21	.58	3.4	4.6	3.4	4.1
March	29.978	30.120	29.800	70.8	73.8	71.2	75.8	66.7	71.2	80	57	60	60	61	71	64	71	.537	.537	.547	2.08	1.12	5.1	4.1	5.1	5.0
April	30.023	30.130	29.880	72.0	74.7	71.2	76.3	68.2	72.2	80	64	59	59	59	64	59	66	.505	.506	.507	1.26	1.00	4.0	5.0	5.0	4.4
May	30.053	30.120	29.920	75.1	77.7	74.1	79.5	71.3	75.4	82	69	62	62	62	65	58	66	.560	.553	.560	.33	.13	3.6	2.3	3.9	3.4
June	29.991	30.090	29.870	75.7	78.6	75.3	80.5	72.0	76.2	82	70	64	64	64	68	62	70	.602	.600	.607	.95	.17	4.4	4.7	5.3	4.5
July	29.950	30.030	29.850	77.8	80.9	76.9	82.6	73.7	78.2	85	70	67	66	67	69	62	72	.655	.650	.660	.22	.10	3.7	3.8	3.7	3.5
August	29.934	30.038	29.780	78.8	81.6	77.9	83.1	75.1	79.1	85	71	68	69	69	71	66	74	.698	.703	.704	.93	.63	5.2	6.2	7.1	5.6
September	29.916	30.000	29.810	78.9	81.4	78.2	83.5	75.1	79.3	86	72	70	71	70	76	71	78	.746	.755	.744	7.74	6.02	5.0	4.9	5.4	5.2
October	29.928	30.066	29.690	77.5	80.8	76.9	82.9	73.0	78.0	84	70	70	71	70	78	71	79	.731	.749	.727	3.73	1.93	3.3	5.1	4.2	4.1
November	29.919	30.060	29.720	75.2	79.3	74.5	80.4	70.8	75.6	84	63	68	70	68	79	72	80	.687	.727	.686	3.98	2.79	2.8	4.8	4.3	4.2
December	30.036	30.220	29.830	73.3	76.9	73.6	78.3	69.9	74.1	82	66	65	67	65	76	72	76	.622	.663	.627	.89	.40	5.0	5.3	5.1	4.9
Year	29.965	30.220	29.680	74.6	78.0	74.4	79.7	70.7	75.2	86	57	65	65	65	73	66	74	.624	.634	.627	31.04	6.02	4.1	4.7	4.7	4.5

* No diurnal correction applied.

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

Annual meteorological summary for the year ending December 31, 1930—Continued

HATTERAS, N. C.

[H_b=11 ft.; h_t=5 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 33 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorm	Aurora
	Miles		*Mi.*																									
January	13.0	N.	50	N.	4	20	15	3	3	3	10	4	4	0	8	8	15	17	12	1	0	0	6	0	0	1	1	0
February	11.4	NE.	37	N.	2	15	14	1	1	2	16	6	1	0	17	6	5	5	2	0	0	0	0	0	0	2	0	0
March	14.6	SW.	42	NW.	6	10	7	4	2	1	19	13	6	0	13	7	11	11	8	1	0	0	2	0	0	1	0	0
April	11.5	SW.	48	SE.	2	8	13	7	4	3	19	3	3	0	15	10	5	8	6	0	0	0	1	0	0	0	3	0
May	11.6	SW.	37	N	1	4	12	5	2	2	25	8	4	0	16	6	9	6	6	0	0	0	0	0	0	0	4	0
June	9.4	SW.	28	W.	0	0	6	7	8	10	22	6	1	0	13	10	7	13	9	0	0	0	0	0	0	0	6	0
July	9.9	SW.	48	NW.	1	2	12	3	3	8	30	2	2	0	17	9	5	11	10	0	0	0	0	0	0	3	0	8
August	11.4	SW.	36	N.	1	4	21	4	3	1	20	5	4	0	14	11	6	7	7	0	0	0	0	0	0	0	2	0
September	10.0	SW.	60	N.	1	3	8	10	5	0	22	11	1	0	11	10	9	10	7	0	0	0	0	0	0	0	4	0
October	13.6	N.	34	NW.	1	21	23	1	0	2	4	5	6	0	12	10	9	7	5	0	0	0	0	0	0	0	0	0
November	12.6	N.	37	SE.	5	17	20	2	0	3	4	8	6	0	10	4	16	12	10	1	0	0	5	0	0	2	2	0
December	13.8	N.	56	NW.	5	27	10	1	0	1	4	7	12	0	7	9	15	12	10	0	0	0	0	0	0	1	0	0
Year	11.9	SW.	60	N.	29	131	161	48	31	36	195	78	50	0	153	100	112	119	92	3	0	0	14	0	3	7	30	0

HAVRE, MONT.

[H_b=2,505 ft.; h_t=11 ft.; h_r=3 ft.; h_a=67 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	7.0	SW.	30	SW.	0	2	4	9	0	0	25	11	11	0	6	11	14	8	2	17	8	0	0	27	0	31	0	1
February	8.4	SW.	27	SW.	0	3	4	10	0	0	30	5	3	1	3	11	14	5	3	8	4	0	0	6	0	22	0	0
March	6.8	SW.	32	SW.	0	5	5	15	1	1	16	8	10	1	6	13	12	9	4	13	8	0	0	7	0	29	0	0
April	7.6	SW.	38	SW.	1	3	7	15	2	4	14	12	3	0	11	12	7	6	4	1	0	1	1	0	0	2	2	1
May	7.3	E.	31	NW.	0	4	5	15	4	3	12	8	9	2	7	14	10	9	8	1	0	2	0	0	0	1	1	0
June	6.9	SW.	30	SW.	0	1	1	7	8	2	14	11	15	1	12	14	4	11	7	0	0	0	0	0	4	0	7	0
July	5.1	E.	26	SW.	0	3	4	17	5	1	12	8	10	2	17	12	2	5	4	0	0	0	0	0	14	0	10	0
August	4.7	E.	27	N.	0	2	9	16	1	3	6	10	8	7	15	13	3	7	3	0	0	1	0	0	15	0	7	0
September	5.2	SW.	27	SW.	0	2	5	11	0	1	11	14	11	5	10	13	7	10	5	1	1	1	1	0	0	0	2	1
October	7.6	NW.	31	SW.	0	3	9	10	2	0	14	7	15	2	10	9	12	7	4	5	1	0	0	5	0	19	0	2
November	8.8	SW.	28	SW.	0	2	9	10	1	0	14	10	12	2	9	9	12	4	4	8	4	0	0	10	0	26	0	1
December	10.1	SW.	26	SW.	0	0	3	4	0	0	29	14	12	0	15	11	5	4	2	4	2	0	0	3	0	30	0	0
Year	7.1	SW.	38	SW.	1	30	65	139	24	15	197	118	119	23	121	142	102	85	50	58	28	5	2	58	33	160	29	6

HELENA, MONT.

[H_b=4,124 ft.; h_t=89 ft.; h_r=82 ft.; h_a=113 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	4.8	SW.	23	SW.	0	7	0	0	0	2	23	14	15	1	7	8	16	16	5	21	16	0	0	24	0	30	0	0
February	7.7	SW.	44	SW.	3	5	1	1	1	4	25	12	5	2	2	11	15	7	3	9	5	0	0	5	0	20	0	0
March	7.0	SW.	34	SW.	2	3	7	0	1	7	22	10	11	1	3	12	16	15	9	21	14	0	1	6	0	27	0	1
April	7.3	SW.	28	SW.	0	2	4	0	3	5	29	13	2	2	0	14	16	9	7	0	0	0	0	0	0	2	5	0
May	8.0	SW.	34	SW.	1	9	5	0	0	5	27	9	6	1	3	13	15	8	3	4	0	1	0	0	0	1	4	1
June	9.2	SW.	42	SW.	1	3	4	0	1	6	26	13	7	0	10	7	13	5	3	0	0	1	0	0	2	0	5	5
July	6.8	SW.;	36	S.	2	3	6	0	1	20	22	6	4	0	8	14	9	6	4	0	0	0	0	0	4	0	12	2
August	6.5	SW.	31	SW.	0	5	6	1	5	12	26	1	4	2	6	18	7	8	5	0	0	1	0	0	4	0	14	0
September	7.1	SW.	27	SW.	0	3	3	3	1	8	25	11	6	0	7	14	9	8	6	0	0	1	0	0	0	0	5	3
October	5.7	SW.	23	SW.	0	3	2	1	1	10	25	8	11	1	5	5	21	11	8	9	2	0	0	3	0	13	1	5
November	5.5	SW.	26	SW.	0	2	1	0	1	10	26	10	8	2	4	14	12	3	3	8	2	0	0	4	0	23	0	0
December	7.2	SW.	28	SW.	0	3	1	0	0	4	44	7	2	1	8	13	10	0	0	5	0	0	0	10	0	29	0	2
Year	6.9	SW.	44	SW.	9	48	40	6	15	93	320	114	81	13	63	143	159	96	56	77	39	4	1	52	10	145	46	19

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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	6.8	N.	36	SW.	1	17	16	10	1	0	8	3	6	1	11	10	10	14	11	0	0	0	0	0	0	0	3	0
February	6.2	NE.	31	E.	0	5	29	14	2	1	3	1	1	0	15	9	4	8	4	0	0	0	0	0	0	0	0	0
March	10.0	E.	32	E.	0	6	15	30	1	6	3	1	0	0	12	7	12	15	6	0	0	0	0	0	0	0	1	0
April	10.9	E.	27	E.	0	0	17	41	1	0	1	0	0	0	12	15	3	9	5	0	0	0	0	0	0	0	1	0
May	10.1	E.	31	E.	0	0	15	46	1	0	0	0	0	0	17	14	0	8	3	0	0	0	0	0	0	0	0	0
June	9.4	E.	24	E.	0	1	14	42	1	1	0	0	0	0	10	15	5	21	11	0	0	0	0	0	0	0	0	0
July	8.3	E.	24	E.	0	2	11	44	1	2	1	1	0	0	17	13	1	7	2	0	0	0	0	0	0	0	0	0
August	9.4	E.	25	E.	0	0	4	56	2	0	0	0	0	0	13	5	13	16	3	0	0	0	0	0	0	0	0	0
September	7.3	E.	23	E.	0	4	13	37	3	0	0	0	0	3	8	17	5	15	10	0	0	0	0	0	0	0	0	0
October	6.1	E.	24	E.	0	4	21	32	5	0	0	0	0	0	17	8	6	15	7	0	0	0	0	0	0	0	1	0
November	5.8	E.	28	E.	0	13	15	23	2	2	0	1	3	1	17	8	5	11	8	0	0	0	0	0	0	0	1	0
December	8.3	E.	30	E.	0	4	22	35	0	1	0	0	0	0	10	15	6	15	6	0	0	0	0	0	0	0	0	0
Year	8.3	E.	36	SW.	1	56	192	411	20	13	16	7	10	5	159	136	70	154	76	0	0	0	0	0	0	0	7	0

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

Annual meteorological summary for the year ending December 31, 1930—Continued

HOUGHTON, MICH.

[ϕ=47° 07′ 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	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	30.020	28.720	8.9	12.8	----	16.3	4.2	10.2	37	−23	5	8	---	83	81	---	0.059	0.066	----	2.65	0.59	9.3	8.7	----	8.9
February	29.203	29.690	28.700	14.7	22.3	----	28.0	9.3	18.6	68	−24	12	16	---	86	76	---	.086	.101	----	2.72	.97	7.8	7.5	----	7.4
March	29.122	29.820	28.630	19.8	26.9	----	32.8	15.8	24.3	44	3	16	19	---	82	70	---	.090	.101	----	1.15	.72	6.6	6.9	----	6.6
April	29.301	29.570	28.880	35.5	44.1	----	48.8	30.3	39.6	73	18	28	30	---	73	58	---	.158	.176	----	.97	.33	5.4	5.8	----	5.7
May	29.211	29.781	28.590	48.0	56.1	----	60.9	41.9	51.4	90	32	41	41	---	79	60	---	.272	.279	----	2.04	.59	7.2	6.0	----	6.4
June	29.129	29.432	28.680	59.0	68.0	----	72.7	52.5	62.6	87	40	50	49	---	73	55	---	.363	.363	----	3.42	.86	5.4	4.7	----	5.4
July	29.218	29.463	28.980	63.0	71.1	----	74.9	56.0	65.4	93	46	55	54	---	75	57	---	.436	.427	----	2.17	1.55	3.7	4.6	----	4.6
August	29.318	29.620	28.880	62.3	75.3	----	78.1	57.6	67.8	92	48	56	52	---	80	48	---	.451	.414	----	.94	.53	2.3	3.7	----	3.3
September	29.163	29.680	28.410	53.3	61.4	----	64.6	48.5	56.6	84	34	48	46	---	82	61	---	.341	.332	----	4.23	1.01	5.4	5.6	----	6.1
October	29.293	29.720	28.780	42.4	48.8	----	52.1	39.9	46.0	84	25	40	40	---	90	73	---	.265	.286	----	3.30	.86	7.5	7.5	----	7.7
November	29.234	29.830	28.380	33.5	38.4	----	42.4	29.8	36.1	67	4	29	30	---	82	72	---	.172	.183	----	1.57	.36	7.9	7.9	----	8.0
December	29.275	29.960	28.660	21.3	24.0	----	28.9	16.9	22.9	42	−4	18	20	---	86	83	---	.104	.109	----	2.19	.70	9.0	9.0	----	8.8
Year	29.236	30.020	28.380	38.5	45.8	----	50.0	33.6	41.8	93	−24	33	34	---	81	66	---	.233	.236	----	27.35	1.55	6.5	6.5	----	6.6

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	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	30.048	30.520	29.600	42.3	49.1	----	54.5	37.8	46.2	73	5	37	40	---	83	73	---	0.268	0.294	----	3.52	0.75	6.6	7.0	----	7.2
February	29.924	30.280	29.430	56.4	64.5	----	68.9	53.4	61.2	81	37	54	53	---	92	69	---	.433	.424	----	2.34	1.14	6.0	6.3	----	6.0
March	29.876	30.430	29.310	52.8	61.2	----	65.4	50.1	57.8	76	34	44	45	---	76	58	---	.328	.333	----	1.58	.71	6.1	6.6	----	6.3
April	29.866	30.150	29.560	64.2	77.5	----	80.6	63.0	71.8	90	60	60	55	---	87	50	---	.525	.459	----	.93	.46	4.8	5.2	----	4.1
May	29.823	30.150	29.500	69.7	77.8	----	81.1	67.7	74.4	87	59	67	65	---	91	68	---	.674	.640	----	6.00	2.62	6.5	7.1	----	6.5
June	29.828	29.980	29.600	72.9	85.4	----	89.5	71.1	80.3	100	62	69	66	---	87	54	---	.712	.653	----	.46	.22	3.0	4.8	----	3.0
July	29.884	30.020	29.710	77.4	89.3	----	93.5	75.4	84.4	101	72	73	68	---	87	50	---	.810	.678	----	2.81	.86	2.9	5.5	----	4.3
August	29.863	30.010	29.700	76.8	89.4	----	94.6	75.7	85.2	102	69	72	67	---	87	49	---	.800	.663	----	.79	.25	3.9	5.0	----	4.5
September	29.814	30.020	29.620	72.1	84.8	----	87.7	70.7	79.2	97	60	69	67	---	90	56	---	.724	.663	----	2.14	1.02	3.8	6.1	----	4.9
October	29.885	30.460	29.520	63.6	74.6	----	77.8	61.6	69.7	89	44	58	57	---	84	57	---	.523	.504	----	7.57	4.42	4.3	4.4	----	4.6
November	29.994	30.420	29.430	55.1	64.1	----	67.4	52.3	59.8	83	40	48	48	---	78	60	---	.364	.375	----	2.23	.75	5.5	6.4	----	5.8
December	30.029	30.270	29.660	46.7	53.6	----	57.5	44.0	50.8	71	33	40	40	---	80	64	---	.266	.270	----	4.07	1.96	5.9	6.6	----	6.5
Year	29.903	30.520	29.310	62.5	72.6	----	76.5	60.2	68.4	102	5	58	56	---	85	59	---	.536	.496	----	34.44	4.42	4.9	5.9	----	5.3

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	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	28.802	29.336	28.230	1.2	9.1	7.9	14.8	−4.0	5.4	47	−29	−2	2	3	83	69	78	0.040	0.049	0.052	0.40	0.18	3.6	6.0	4.8	5.7
February	28.520	29.110	28.119	25.8	36.9	34.5	43.0	21.5	32.2	70	−5	22	25	26	84	62	70	.125	.145	.148	1.24	1.20	4.9	6.5	5.6	6.0
March	28.577	29.203	28.030	23.9	35.9	36.4	42.0	22.1	32.0	68	−3	19	23	25	81	60	62	.107	.131	.137	.69	.18	4.2	4.6	5.3	4.7
April	28.608	28.887	28.270	41.5	56.7	56.9	61.4	39.2	50.3	86	20	35	38	38	79	54	54	.214	.239	.244	1.74	.71	6.9	5.7	5.1	5.6
May	28.523	28.914	28.050	48.7	61.3	62.0	65.9	44.8	55.4	87	30	42	44	44	78	57	56	.276	.302	.302	4.48	1.47	5.1	5.9	5.9	5.5
June	28.506	28.870	28.005	59.8	74.0	74.6	78.6	54.5	66.6	98	41	52	52	51	76	48	46	.400	.401	.403	1.71	.86	4.4	4.3	2.5	4.0
July	28.556	28.930	28.280	67.6	87.2	89.2	92.8	63.4	78.1	106	45	56	54	54	68	34	32	.471	.437	.429	1.15	1.10	3.5	3.3	2.7	3.5
August	28.617	28.944	28.250	65.3	81.7	79.5	86.2	62.9	74.5	104	53	58	57	58	78	46	50	.490	.431	.492	3.58	2.17	5.3	4.3	5.7	5.0
September	28.567	28.946	28.128	50.8	69.1	68.3	74.0	48.3	61.2	89	29	43	45	46	76	43	47	.304	.322	.339	1.34	1.05	3.2	3.4	3.0	3.3
October	28.630	29.151	28.120	40.1	52.2	50.0	57.0	36.8	46.9	85	13	35	38	38	82	59	62	.238	.258	.263	3.61	2.44	4.7	5.5	4.5	5.3
November	28.608	29.300	27.770	28.8	41.0	36.2	45.9	23.7	34.8	68	4	23	27	24	78	59	62	.127	.156	.134	1.52	1.38	4.1	4.7	4.4	4.6
December	28.692	29.230	28.280	21.3	30.5	28.2	35.2	17.5	26.4	53	6	16	20	20	80	66	71	.092	.113	.111	.01	.01	4.7	5.9	5.5	5.7
Year	28.600	29.336	27.770	39.6	53.0	52.0	58.1	35.9	47.0	106	−29	33	35	36	79	55	58	.240	.253	.254	21.47	2.44	4.6	5.0	4.6	4.9

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	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	29.302	29.739	28.671	22.6	27.8	27.1	32.5	17.2	24.8	59	−15	20	20	19	87	71	72	0.127	0.123	0.126	7.34	1.50	6.8	6.8	6.5	7.2
February	29.162	29.523	28.759	36.7	43.9	43.8	48.8	34.5	41.6	69	13	30	30	31	76	58	62	.179	.183	.196	2.76	1.28	6.5	6.6	4.9	6.5
March	28.983	29.511	28.313	33.2	42.7	42.2	47.8	30.4	39.1	70	16	27	28	27	76	56	56	.150	.157	.154	1.80	.92	4.7	5.4	5.8	5.2
April	29.146	29.500	28.680	48.3	59.6	59.0	64.8	45.4	55.1	89	32	37	38	39	67	48	50	.241	.255	.259	4.05	1.98	5.1	4.7	5.2	5.0
May	29.140	29.560	28.830	58.7	69.4	68.2	73.6	54.6	64.1	85	42	49	47	48	71	47	52	.361	.344	.350	1.69	.49	4.4	4.7	4.5	4.9
June	29.093	29.420	28.825	66.2	76.9	77.0	81.4	61.9	71.6	96	48	54	53	54	66	46	47	.427	.419	.428	1.55	.51	4.3	4.4	4.5	4.8
July	29.118	29.326	28.853	71.3	83.8	84.1	88.9	67.0	78.0	101	53	56	56	56	60	40	40	.468	.461	.466	.90	.48	3.0	3.1	3.8	3.5
August	29.158	29.430	28.950	67.7	81.8	78.8	85.7	65.2	75.4	99	54	56	54	55	69	41	47	.475	.434	.457	2.08	1.36	4.6	5.4	5.2	5.5
September	29.122	29.384	28.738	62.0	74.3	72.0	78.8	59.7	69.2	88	43	55	53	55	77	51	58	.457	.444	.466	2.86	1.65	4.2	5.2	4.1	4.9
October	29.218	29.645	28.870	46.1	59.4	56.6	62.2	44.9	53.6	83	25	39	39	40	76	48	54	.264	.264	.274	1.77	1.28	4.4	3.7	4.1	4.2
November	29.231	29.796	28.520	39.3	47.7	45.8	51.7	36.3	44.0	76	1	34	34	34	80	60	64	.221	.216	.218	2.06	1.04	5.4	5.8	4.3	5.6
December	29.199	29.741	28.799	28.7	33.8	32.4	37.0	25.2	31.1	55	10	25	24	25	85	68	74	.139	.134	.141	.80	.41	7.0	6.6	6.5	6.8
Year	29.156	29.796	28.313	48.4	58.4	57.2	62.8	45.2	54.0	101	−15	40	40	40	74	53	56	.202	.286	.295	29.66	1.98	5.0	5.2	5.0	5.3

Annual meteorological summary for the year ending December 31, 1930—Continued

HOUGHTON, MICH.

[H_b=668 ft.; h_t=64 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 33 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp. 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorm	Aurora
	Miles		*Mi.*																									
January	9.0	W.	29	W.	0	2	1	9	1	1	0	11	5	1	0	5	26	21	17	27	21	0	0	28	0	31	0	0
February	9.5	E.	36	E.	3	1	3	10	0	2	0	6	5	1	3	10	15	15	12	16	14	0	0	20	0	26	1	2
March	10.9	W.	44	W.	5	3	1	10	2	1	1	5	8	0	9	6	16	8	6	16	7	1	0	15	0	31	1	3
April	8.7	E.	34	W.	2	1	0	14	0	1	1	6	6	1	10	8	12	7	6	4	2	0	3	0	0	19	0	2
May	9.7	E.	32	W.	0	1	0	16	0	1	3	7	3	0	5	13	13	14	10	3	2	1	2	0	1	2	5	5
June	8.4	W.	28	W.	0	2	3	6	0	1	4	12	1	1	10	9	11	12	9	0	0	1	1	0	0	0	8	0
July	8.7	W.	27	W.	0	0	0	11	0	0	1	17	2	0	14	9	8	5	4	0	0	0	1	0	1	0	4	0
August	7.1	W.	25	W.	0	0	1	10	0	0	3	13	0	4	21	4	6	7	3	0	0	0	3	0	1	0	3	1
September	9.9	W.	36	W.	3	2	1	12	0	0	1	10	2	2	5	13	12	18	12	0	0	1	3	0	0	0	6	1
October	9.0	E.	37	W.	2	0	0	12	0	1	1	16	1	0	5	5	21	14	11	9	6	0	3	0	0	11	0	2
November	9.7	E.	30	W.	0	1	0	9	0	1	4	5	8	2	2	8	20	11	10	11	8	0	0	9	0	13	0	0
December	8.3	W.	28	W.	0	1	1	8	0	1	1	10	8	1	2	3	26	13	13	19	13	0	0	22	0	31	0	0
Year	9.1	W.	44	W.	15	14	11	127	3	10	20	118	49	13	85	93	186	145	113	105	73	4	17	94	3	164	28	16

HOUSTON, TEX.

[H_b=138 ft.; h_t=292 ft.; h_r=286 ft.; h_a=314 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	12.2	NW.	37	N.	2	9	4	4	5	1	1	1	6	0	7	4	20	15	9	0	0	0	1	2	0	10	1	0
February	11.5	SE.	36	N.	1	3	1	6	6	7	2	2	1	0	9	5	14	9	7	0	0	0	3	0	0	0	2	0
March	11.7	SE.	31	NE.	0	9	2	5	6	4	2	1	2	0	9	7	15	5	5	1	0	0	2	0	0	0	0	0
April	11.3	SE.	48	SE.	3	3	0	6	9	5	2	2	2	1	12	11	7	7	6	0	0	0	3	0	0	0	5	0
May	11.9	SE.	38	SE.	3	2	5	4	11	7	0	1	0	1	8	7	16	14	12	0	0	0	3	0	0	0	8	0
June	9.9	SE.	25	SE.	0	1	2	5	7	7	3	3	2	0	21	6	3	3	3	0	0	0	0	0	15	0	2	0
July	8.1	SE.	35	NW.	1	1	0	2	4	13	3	6	1	1	10	18	3	7	6	0	0	0	0	0	28	0	12	0
August	8.2	S.	26	E.	0	5	2	0	2	8	12	1	1	0	13	15	3	7	5	0	0	0	0	0	27	0	8	0
September	10.2	NE.	37	N.	1	3	12	1	2	10	2	0	0	0	7	17	6	8	5	0	0	0	1	0	14	0	4	0
October	11.3	SE.	36	S.	1	4	10	6	8	2	0	0	1	0	14	10	7	10	8	0	0	0	2	0	0	0	1	0
November	11.5	NE.	40	NW.	3	6	8	5	5	1	1	2	2	0	10	4	16	14	11	0	0	0	1	0	0	0	2	0
December	11.2	N.	32	NW.	0	10	2	6	3	1	1	3	5	0	8	8	15	7	5	0	0	0	0	0	0	0	2	0
Year	10.8	SE.	48	SE.	15	56	48	50	68	66	29	22	23	3	128	112	125	106	82	1	0	0	16	2	54	10	47	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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	8.2	NW.	23	W.	0	4	0	0	12	3	6	16	21	0	7	13	11	9	2	17	9	0	1	27	0	31	0	0
February	8.6	W.	34	W.	1	7	1	5	11	8	3	15	6	0	4	15	9	4	1	7	3	0	1	6	0	24	0	0
March	9.9	NW.	28	W.	0	8	1	1	9	3	2	13	25	0	13	10	8	7	5	12	5	0	1	6	0	26	0	0
April	8.7	SE.	30	W.	0	9	6	9	17	4	0	4	11	0	12	5	13	10	8	1	1	0	0	0	0	4	1	0
May	10.3	NW.	33	S.	1	12	3	3	13	7	1	12	11	0	12	7	12	10	8	1	0	2	0	0	0	2	4	4
June	8.9	SE.	32	NW.	0	5	1	4	14	9	5	8	14	0	15	11	4	8	4	0	0	2	0	0	2	0	11	3
July	7.5	S.	32	W.	0	9	3	3	23	11	3	5	5	0	18	11	2	6	2	0	0	0	0	0	19	0	9	2
August	7.4	SE.	36	SW.	2	5	7	4	25	11	2	5	3	0	13	10	8	10	9	0	0	2	0	0	11	0	9	0
September	7.6	W.	26	W.	0	2	3	9	13	9	1	11	12	0	18	8	4	6	5	0	0	1	0	0	0	1	6	6
October	8.4	SE.	34	W.	1	2	4	1	22	8	0	12	13	0	10	10	11	8	5	6	0	0	3	0	0	13	4	1
November	9.7	NW.	44	NW.	2	10	1	4	10	5	5	14	10	1	12	9	9	7	2	9	5	0	0	3	0	26	0	0
December	7.7	W.	28	W.	0	4	3	0	7	10	2	18	18	0	12	3	16	1	0	14	1	0	0	12	0	30	0	0
Year	8.6	SE.	44	NW.	7	77	33	43	176	88	30	133	149	1	146	112	107	86	51	67	24	7	6	54	32	157	44	16

INDIANAPOLIS, IND.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	9.9	SW.	29	SW.	0	1	6	5	8	6	15	5	16	0	6	6	19	16	12	14	6	0	2	16	0	24	1	0
February	10.8	S.	32	W.	0	1	4	1	4	13	18	5	10	0	4	12	12	7	6	5	1	1	0	2	0	16	3	0
March	13.0	W.	40	W.	3	3	7	7	2	4	13	11	15	0	13	7	11	8	5	9	4	0	0	3	0	21	0	0
April	10.1	NW.	34	NW.	2	5	5	10	6	6	12	5	11	0	11	10	9	11	9	0	0	0	0	0	0	1	5	0
May	10.1	S.	33	W.	1	2	8	2	8	11	19	6	6	0	11	13	7	10	8	0	0	1	0	0	0	0	6	0
June	9.1	SW.	33	W.	1	1	6	2	2	11	22	3	13	0	12	13	5	10	7	0	0	0	1	0	3	0	6	0
July	8.3	SW.	32	N.	0	8	12	3	6	4	17	3	8	1	16	13	2	9	5	0	0	0	0	0	15	0	9	0
August	7.5	NE.	42	NW.	1	6	24	5	5	5	6	7	3	1	8	15	8	11	4	0	0	0	0	0	10	0	6	0
September	8.2	SW.	44	NW.	1	1	12	4	6	9	18	5	4	1	12	11	7	8	7	0	0	1	0	0	0	0	4	0
October	8.7	S.	27	NW.	0	4	6	9	13	9	5	6	10	0	16	8	7	7	5	2	0	0	0	0	0	6	2	0
November	10.4	S.	39	SW.	1	2	3	1	17	12	13	4	8	0	12	4	14	12	9	6	3	0	0	4	0	11	0	0
December	9.8	SW.	28	NW.	0	0	4	4	5	10	13	8	18	0	9	3	19	8	6	14	4	0	1	9	0	23	0	0
Year	9.7	SW.	44	NW.	10	34	97	53	82	100	171	68	122	3	130	115	120	117	83	50	18	3	4	34	28	102	42	0

Annual meteorological summary for the year ending December 31, 1930—Continued

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
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.162	29.491	28.630	13.3	21.2	...	27.5	8.5	18.0	54	−18	10	15	...	85	76	...	0.077	0.092	...	2.34	0.67	9.0	6.3	...	6.4
February	28.957	29.440	28.520	39.2	50.8	...	58.0	36.2	47.1	82	18	35	36	...	85	59	...	.219	.226	...	.05	.05	4.7	4.1	...	4.5
March	28.915	29.550	28.320	33.5	51.7	...	57.6	31.2	44.4	76	12	27	28	...	76	42	...	.157	.172	...	.16	.10	3.1	4.0	...	3.9
April	28.937	29.190	28.540	50.2	68.5	...	73.9	48.6	61.2	92	36	41	43	...	72	44	...	.273	.300	...	4.14	2.24	5.0	5.0	...	4.9
May	28.912	29.360	28.320	56.7	70.2	...	74.5	53.3	63.9	87	44	52	54	...	85	59	...	.405	.434	...	4.12	1.55	4.2	4.1	...	4.4
June	28.896	29.170	28.670	65.4	79.2	...	83.4	62.1	72.8	94	48	60	61	...	83	56	...	.526	.555	...	6.03	2.99	3.3	4.4	...	4.1
July	28.965	29.174	28.740	71.4	89.5	...	94.7	69.0	81.8	106	53	63	62	...	75	43	...	.578	.573	...	.45	.35	3.8	3.1	...	3.1
August	28.964	29.200	28.710	68.9	88.6	...	94.3	67.6	81.0	108	58	62	67	...	80	53	...	.562	.685	...	1.60	1.08	5.1	3.6	...	4.4
September	28.901	29.260	28.430	63.3	79.6	...	84.1	60.6	72.4	100	44	59	61	...	85	54	...	.518	.554	...	6.72	2.20	4.8	4.4	...	4.4
October	29.029	29.500	28.570	48.5	61.1	...	65.5	46.2	55.8	85	22	44	45	...	86	58	...	.321	.345	...	3.43	1.26	4.9	4.1	...	5.2
November	29.027	29.480	28.230	36.9	53.8	...	58.2	34.1	46.2	74	22	32	35	...	83	50	...	.193	.224	...	2.85	1.23	2.1	3.1	...	3.8
December	29.082	29.480	28.780	29.3	40.1	...	44.0	27.0	35.5	63	16	27	30	...	89	67	...	.147	.170	...	.98	.78	4.1	4.1	...	4.7
Year	28.979	29.550	28.230	48.0	62.9	...	68.0	45.4	56.7	108	−18	43	45	...	82	55	...	331	361	...	32.87	2.99	4.5	4.2	...	4.5

ITHACA, N. Y.

[ϕ=42° 27′ N.; λ=76° 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	29.257	29.827	28.770	22.4	27.9	25.7	32.5	15.6	24.0	57	−6	18	21	20	81	74	76	0.116	0.122	0.116	1.66	0.30	8.5	8.6	6.7	8.5
February	29.128	29.554	28.730	26.1	33.6	29.4	38.2	19.8	29.0	66	−8	20	25	24	77	71	78	.129	.151	.139	1.45	.52	8.7	8.4	5.4	8.0
March	28.868	29.576	28.160	28.2	36.5	32.8	41.0	23.5	32.2	66	12	22	27	26	77	67	76	.123	.149	.149	3.92	1.25	7.9	7.8	5.5	7.5
April	29.100	29.464	28.290	40.0	48.0	44.2	52.9	33.0	43.0	78	23	32	32	34	72	56	67	.184	.190	.201	2.46	1.47	7.6	7.7	6.3	7.4
May	29.089	29.390	28.640	57.1	64.2	58.1	68.4	47.1	57.8	88	38	46	45	46	68	53	66	.322	.312	.318	3.49	.80	5.9	6.6	5.5	6.2
June	29.051	29.430	28.640	66.2	75.5	68.8	78.7	55.8	67.2	91	39	57	57	58	73	55	70	.470	.476	.492	6.85	3.40	5.1	6.2	5.7	5.7
July	29.048	29.350	28.720	66.5	76.3	70.5	80.3	56.7	68.5	97	43	58	59	59	78	57	68	.464	.500	.509	3.75	.95	4.9	5.7	5.4	5.1
August	29.116	29.432	28.900	63.4	75.9	68.7	80.0	55.0	67.5	96	40	56	53	56	77	48	65	.448	.411	.441	1.49	1.09	5.9	6.6	6.4	6.0
September	29.093	29.430	28.720	59.0	72.1	62.9	75.5	52.8	64.2	87	37	53	52	53	80	51	71	.416	.409	.428	2.07	.80	4.9	6.1	4.4	5.0
October	29.178	29.515	28.740	42.2	56.8	48.3	59.7	38.5	49.1	84	26	38	39	39	82	54	72	.243	.258	.252	1.41	.54	5.8	6.3	4.8	6.0
November	29.212	29.725	28.340	39.3	46.6	43.4	50.4	36.0	43.2	67	10	31	32	33	73	59	68	.198	.203	.211	.59	.37	8.0	7.8	6.5	7.2
December	29.114	29.680	28.610	26.6	31.2	29.0	33.6	23.1	28.4	44	6	22	24	23	81	74	77	.121	.133	.127	1.79	.35	8.9	9.0	8.4	8.5
Year	29.104	29.827	28.160	44.8	53.7	48.5	57.6	38.1	47.8	97	−8	38	39	39	77	60	71	.270	.276	.282	30.93	3.40	6.8	7.2	5.9	6.8

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	30.138	30.490	29.756	51.4	60.0	56.9	65.1	48.8	57.0	78	32	47	48	48	85	68	74	0.349	0.360	0.359	2.55	0.89	5.1	6.9	4.9	6.5
February	30.095	30.330	29.780	54.8	65.2	60.5	68.8	52.7	60.8	81	41	47	47	49	78	54	69	.347	.338	.367	2.61	1.67	4.3	5.0	3.3	4.7
March	29.931	30.240	29.432	53.7	60.6	59.3	65.9	51.5	58.7	80	34	45	43	46	75	58	65	.331	.315	.338	10.00	2.71	7.0	6.1	5.1	6.2
April	30.008	30.380	29.670	64.3	73.5	68.4	76.2	61.4	68.8	85	51	56	54	57	76	52	68	.468	.428	.473	1.86	1.14	5.1	5.3	5.1	5.0
May	30.015	30.230	29.630	72.3	80.5	74.7	83.2	68.2	75.7	92	62	65	60	64	78	52	71	.617	.537	.610	3.70	1.14	5.7	5.7	6.0	5.4
June	29.947	30.220	29.700	73.9	80.4	75.7	83.4	70.4	76.9	94	64	68	65	68	82	63	77	.688	.637	.685	10.13	3.09	7.3	7.1	7.3	7.1
July	29.984	30.160	29.780	78.6	85.9	82.8	91.0	74.5	82.8	96	70	73	71	72	82	60	71	.804	.759	.793	4.74	1.21	4.6	5.5	5.8	5.2
August	29.976	30.170	29.770	75.4	84.5	79.2	87.2	72.3	79.8	95	64	70	67	69	82	57	71	.726	.668	.708	.76	.37	3.8	5.1	4.3	4.4
September	29.968	30.190	29.820	76.9	85.4	78.0	87.9	74.1	81.0	93	67	73	71	72	88	64	84	.814	.768	.801	3.62	1.27	4.9	6.5	6.2	6.3
October	30.002	30.340	29.780	63.1	72.7	67.9	75.0	60.5	67.8	86	.43	56	56	57	78	57	69	.462	.463	.484	1.57	1.15	3.5	5.8	3.6	4.8
November	30.117	30.500	29.776	55.6	65.1	60.7	67.7	53.5	60.6	82	33	51	53	54	86	67	79	.410	.445	.446	2.69	1.00	6.0	6.9	6.3	6.5
December	30.057	30.470	29.800	47.1	54.7	52.0	58.1	44.1	51.1	70	34	42	44	43	83	69	74	.282	.305	.294	3.11	.94	7.6	6.7	6.7	7.0
Year	30.020	30.500	29.432	63.9	72.5	68.0	75.8	61.0	68.4	96	32	58	57	58	81	60	73	.525	.502	.530	47.34	3.09	5.4	6.0	5.4	5.8

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	30.234*	30.640	29.090	22.6	26.6	24.9	28.6	18.3	23.4	42	7	10	14	13	61	60	60	0.071	0.086	0.081	0.91	0.74	1.8	3.4	2.8	3.1
February	29.470	30.400	28.800	28.7	30.5	30.3	33.4	24.9	29.2	45	2	25	25	26	84	81	82	.140	.143	.145	8.59	1.42	8.6	8.7	8.8	8.6
March	29.889	30.610	29.160	30.8	34.0	34.3	36.6	27.4	32.0	48	2	26	27	27	83	77	74	.153	.159	.154	10.12	3.13	8.1	8.5	8.8	8.7
April	29.778	30.210	29.038	35.5	43.9	44.1	46.5	33.2	39.8	60	27	31	32	31	83	64	64	.173	.181	.177	4.05	.84	7.2	7.1	6.7	7.0
May	29.866	30.214	29.430	40.7	50.7	51.1	53.8	39.1	46.4	72	32	37	38	38	86	66	63	.220	.232	.227	3.87	1.12	7.5	7.8	7.5	7.5
June	29.872	30.288	29.090	46.3	57.5	58.7	60.5	44.8	52.6	82	38	43	42	42	88	60	59	.275	.270	.269	3.78	1.00	6.7	6.8	6.8	6.6
July	29.994	30.180	29.760	50.7	57.5	58.7	60.1	49.4	54.8	77	46	50	51	51	96	80	78	.355	.371	.372	6.29	1.85	8.3	8.1	8.3	8.1
August	29.964	30.210	29.686	52.0	58.6	60.0	61.5	49.7	55.6	75	44	51	53	52	96	83	79	.375	.401	.397	9.46	2.21	6.9	8.0	7.5	7.8
September	29.816	30.220	29.050	48.0	53.2	53.6	55.4	45.1	50.2	68	34	45	47	46	90	80	77	.306	.326	.318	9.75	1.39	7.4	8.1	7.8	7.9
October	29.784	30.320	29.100	39.0	42.6	42.2	45.0	35.6	40.3	56	22	31	32	32	75	69	70	.187	.195	.193	14.51	2.49	7.1	6.9	7.0	7.1
November	29.704	30.646	28.542	36.6	38.3	38.1	41.5	32.5	37.0	52	20	33	34	34	88	84	86	.194	.195	.200	13.20	2.13	8.4	8.8	8.9	9.1
December	29.576	30.071	29.040	38.5	39.8	39.3	42.3	35.7	39.0	50	30	35	37	36	89	89	90	.205	.220	.217	12.86	1.17	9.4	9.5	9.7	9.8
Year	29.829	30.646	28.542	39.1	44.4	44.6	47.1	36.3	41.7	82	2	35	36	36	85	74	74	.221	.232	.229	97.39	3.13	7.3	7.6	7.6	7.6

* No diurnal correction applied.

Annual meteorological summary for the year ending December 31, 1930—Continued

IOLA, KANS.

[H_b=984 ft.; h_t=11 ft.; h_r=3 ft.; h_a=50 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: Days with 33 miles and over	Wind: Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorm	Aurora
	Miles		*Mi.*																									
January	6.5	N.	20	S.	0	13	1	1	2	6	3	3	1	1	8	8	15	8	7	10	7	0	1	21	0	30	0	0
February	6.9	S.	21	SW.	0	5	2	2	1	12	6	0	0	0	12	9	7	1	1	2	0	0	3	0	0	13	1	0
March	7.7	NW.	22	N.	0	4	1	2	1	9	1	3	9	1	18	7	6	3	2	1	0	0	0	1	0	17	0	0
April	6.3	S.	21	W.	0	2	5	7	2	6	1	2	3	2	11	11	8	8	6	0	0	0	1	0	2	0	5	0
May	6.2	S.	18	SE.	0	3	6	0	7	8	3	0	3	1	14	10	7	10	9	0	0	0	0	0	0	0	5	0
June	5.4	S.	17	N.	0	3	1	1	8	11	1	0	5	0	15	10	5	9	9	0	0	0	0	0	8	0	6	0
July	4.8	S.	17	NE.	0	3	3	2	2	16	1	0	1	3	20	4	7	7	1	0	0	0	0	0	22	0	2	0
August	4.0	S.	24	SE.	0	1	4	8	1	8	4	0	1	4	13	13	5	9	4	0	0	0	1	0	23	0	5	0
September	4.4	S.	26	NE.	0	4	2	2	2	9	2	1	1	7	15	5	10	9	8	0	0	1	0	0	5	0	8	0
October	4.6	SE.	17	N.	0	6	3	0	12	2	1	1	4	2	14	5	12	9	8	0	0	0	1	0	0	5	2	0
November	6.6	S.	26	SW.	0	3	1	2	7	8	5	1	3	0	16	7	7	6	3	1	0	0	2	1	0	11	1	0
December	5.2	NW.	17	SW.	0	6	3	2	1	3	5	5	6	0	13	9	9	6	4	3	1	0	0	3	0	26	0	0
Year	5.7	S.	26	NE.	0	53	32	29	46	98	33	16	37	21	169	98	98	85	62	17	8	1	9	26	60	102	35	0

ITHACA, N. Y.

[H_a=836 ft.; h_t=77 ft.; h_r=76 ft.; h_a=100 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: Days with 33 miles and over	Wind: Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorm	Aurora
January	10.2	NW.	30	SE.	0	3	1	2	19	9	6	3	19	0	2	5	24	14	10	14	7	0	4	18	0	25	0	0
February	9.0	S.	34	SE.	1	7	1	5	11	13	2	6	11	0	2	4	22	14	10	16	10	0	3	11	0	22	1	0
March	10.0	NW.	33	SE.	1	6	1	2	12	9	4	8	20	0	5	4	22	13	12	15	5	0	0	5	0	29	1	0
April	9.8	NW.	30	S.	0	8	1	3	14	7	1	6	20	0	6	4	20	12	10	8	5	0	0	1	0	15	0	0
May	8.1	NW.	34	NW.	1	6	1	4	11	9	3	2	25	1	7	10	14	13	11	0	0	0	0	0	0	0	4	2
June	7.7	NW.	38	SE.	1	1	1	3	15	12	8	2	18	0	10	10	10	12	11	0	0	1	0	0	2	0	8	0
July	6.4	NW.	28	SE.	0	7	1	1	10	7	6	2	28	0	9	16	6	10	8	0	0	0	0	0	4	0	4	0
August	5.8	NW.	24	S.	0	14	6	7	11	9	3	3	9	0	7	13	11	10	5	0	0	0	0	0	5	0	5	0
September	6.3	S.	25	S.	0	9	2	10	11	11	5	5	7	0	8	17	5	8	6	0	0	1	0	0	0	0	4	1
October	6.4	NW.	25	NW.	0	10	5	15	10	4	5	4	9	0	8	11	12	8	6	2	1	0	2	0	0	6	0	0
November	9.6	SE.	28	NW.	0	3	2	4	19	13	4	6	9	0	4	11	15	10	5	9	5	0	1	4	0	13	0	0
December	8.5	NW.	28	NW.	0	4	3	5	11	13	6	4	16	0	1	6	24	15	12	17	11	0	0	11	0	27	0	0
Year	8.2	NW.	38	SE.	4	78	25	61	154	116	53	51	191	1	69	111	185	139	106	81	44	2	10	50	11	137	27	3

JACKSONVILLE, FLA.

[H_b=43 ft.; h_t=209 ft.; h_r=198 ft.; h_a=245 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: Days with 33 miles and over	Wind: Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorm	Aurora
January	9.6	N.	37	NW.	1	20	14	5	3	7	3	4	6	0	7	10	14	9	8	0	0	0	11	0	0	0	3	0
February	9.7	NE.	37	SW.	1	10	15	8	6	4	5	3	5	0	11	7	10	7	5	0	0	0	2	0	0	0	1	0
March	11.6	W.	38	NW.	1	7	8	6	5	3	10	11	12	0	7	9	15	14	9	0	0	0	0	0	0	0	3	0
April	10.2	E.	38	SW.	1	8	8	12	8	4	7	9	4	0	9	13	8	7	6	0	0	0	1	0	0	0	3	0
May	8.8	E.	28	NE.	0	9	10	14	14	9	4	1	1	0	9	12	10	9	6	0	0	0	1	0	4	0	6	0
June	9.7	S.	33	SE.	1	5	16	11	3	11	7	4	2	1	3	11	16	14	14	0	0	0	0	0	7	0	11	0
July	9.0	S.	33	S.	1	1	0	6	7	19	17	7	4	1	10	14	7	10	7	0	0	0	1	0	18	0	13	0
August	8.3	NE.	25	S.	0	5	14	8	3	6	10	5	11	0	14	12	5	5	5	0	0	0	1	0	12	0	11	0
September	8.2	E.	38	S.	1	8	8	20	9	7	2	2	4	0	4	15	11	15	12	0	0	0	0	0	12	0	19	0
October	9.7	N.	24	S.	0	20	15	10	3	2	1	4	7	0	11	14	6	6	4	0	0	0	0	0	0	0	1	0
November	10.8	N.	37	W.	2	14	15	6	5	4	6	5	5	0	9	5	16	11	7	0	0	0	0	0	0	0	2	0
December	9.8	N.	45	SE.	2	17	8	2	0	5	4	12	14	0	6	6	19	14	9	0	0	0	2	0	0	0	0	0
Year	9.6	NE.	45	SE.	11	124	131	108	66	81	76	67	75	2	100	128	137	121	92	0	0	0	19	0	53	0	73	0

JUNEAU, ALASKA

[H_b=80 ft.; h_t=11 ft.; h_r=4 ft.; h_a=50 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: Days with 33 miles and over	Wind: Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorm	Aurora
January	6.8	E.	43	NE.	4	8	4	19	6	0	1	10	10	4	20	3	8	5	3	8	5	0	0	23	0	31	0	4
February	7.6	SE.	39	E.	0	1	3	12	23	5	1	5	4	2	2	2	24	23	20	23	22	0	0	7	0	24	0	0
March	7.2	E.	27	NW.	0	2	8	17	9	8	6	5	3	4	1	7	23	24	21	23	15	0	0	7	0	21	0	3
April	6.2	E.	35	E.	2	4	4	14	10	14	0	8	4	2	6	5	19	20	17	13	10	1	0	0	0	13	0	6
May	5.9	S.	26	E.	0	5	1	12	16	12	0	7	3	6	2	9	20	17	13	4	0	1	0	0	0	0	0	1
June	6.1	W.	23	SE.	0	2	1	8	11	8	2	13	8	7	7	6	17	17	13	0	0	0	0	0	0	0	0	0
July	4.3	S.	22	NW.	0	1	0	4	8	26	0	15	1	7	6	1	24	20	16	0	0	0	0	0	0	0	0	0
August	4.4	S.	26	E.	0	0	0	3	20	21	3	10	2	3	5	6	20	22	18	0	0	0	4	0	0	0	0	2
September	6.9	W.	32	E.	0	3	1	8	18	9	1	19	0	1	5	2	23	26	23	0	0	0	0	0	0	0	0	5
October	8.8	E.	40	NE.	3	1	6	20	13	5	2	8	3	4	7	3	21	21	17	3	1	0	0	1	0	8	0	4
November	7.8	SE.	32	E.	0	2	0	9	27	8	1	12	1	0	1	4	25	27	25	14	9	0	0	2	0	11	0	0
December	8.9	SE.	34	E.	1	3	1	21	23	5	0	4	1	4	0	1	30	29	27	9	5	0	3	0	0	4	0	0
Year	6.7	SE.	43	NE.	10	32	29	147	184	121	17	116	40	44	62	49	254	251	213	97	67	2	7	40	0	112	0	25

Annual meteorological summary for the year ending December 31, 1930—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	27.039	27.670	26.450	1.4	8.2	8.8	13.8	−3.1	5.4	46	−23	−1	2	3	87	75	78	0.046	0.052	0.054	0.80	0.25	5.1	5.0	5.1	5.0
February	26.866	27.280	26.420	29.1	35.4	36.0	40.1	24.6	32.4	60	3	22	22	24	76	59	62	.123	.121	.130	.62	.33	6.0	6.7	7.1	5.9
March	26.911	27.549	26.380	28.0	38.0	39.3	42.1	26.0	34.0	57	−2	21	22	24	75	52	55	.117	.122	.130	.35	.25	6.1	6.3	6.1	5.7
April	26.854	27.210	26.540	38.9	56.6	59.4	61.9	36.8	49.4	72	28	32	32	31	76	42	36	.183	.185	.173	1.32	.56	5.0	5.6	5.1	4.7
May	26.831	27.160	26.460	43.0	57.4	58.0	61.9	40.7	51.3	80	30	34	35	35	73	46	45	.204	.210	.207	1.87	.53	5.2	6.6	6.6	5.4
June	26.895	27.210	26.580	47.2	64.2	66.2	69.5	45.5	57.5	88	37	39	39	39	74	42	41	.240	.241	.244	2.52	1.47	4.6	5.1	6.3	5.1
July	26.952	27.190	26.650	53.5	77.0	80.7	82.4	52.6	67.5	97	41	45	44	43	72	33	29	.301	.294	.285	1.02	.93	3.7	3.6	4.3	4.1
August	26.950	27.120	26.737	53.8	78.6	80.7	83.6	52.4	68.0	98	42	43	43	40	67	30	26	.279	.289	.256	.23	.14	4.4	3.9	4.2	4.3
September	26.897	27.240	26.476	47.1	64.0	65.6	68.7	45.1	56.9	85	33	40	42	43	78	49	48	.256	.277	.280	2.67	1.77	6.1	6.9	6.8	6.2
October	26.982	27.320	26.360	35.1	45.8	46.3	49.9	32.8	41.4	72	18	31	34	34	85	64	65	.179	.200	.204	1.61	.46	6.1	7.1	6.7	6.8
November	27.067	27.650	26.010	25.8	32.5	32.6	35.9	23.4	29.6	55	4	23	26	28	88	78	82	.124	.143	.152	2.49	1.14	7.0	9.1	8.9	8.7
December	27.135	27.420	26.850	22.8	27.1	26.5	29.6	19.3	24.4	41	3	21	24	23	92	86	87	.112	.126	.125	.35	.11	9.0	9.1	8.0	8.4
Year	26.948	27.670	26.010	35.5	48.7	50.0	53.3	33.0	43.2	98	−23	29	30	31	79	55	54	.180	.188	.187	15.85	1.77	5.7	6.2	6.3	5.9

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	29.186	29.600	28.620	14.5	20.7	20.5	26.7	10.5	18.6	54	−12	10	13	14	84	72	77	0.077	0.081	0.086	2.56	1.00	4.5	5.6	4.5	5.2
February	28.965	29.510	28.500	40.4	49.3	50.1	55.2	37.2	46.2	81	5	33	34	35	74	57	59	.199	.207	.219	.80	.50	4.7	4.8	4.3	4.3
March	28.915	29.550	28.400	35.1	47.9	48.9	54.1	33.1	43.6	75	12	25	26	25	66	45	41	.144	.155	.142	.67	.51	3.1	3.8	2.8	3.3
April	28.956	29.200	28.570	51.9	64.3	65.4	70.3	50.4	60.4	92	31	40	42	43	68	50	50	.269	.293	.298	3.13	1.12	3.7	4.6	4.9	4.6
May	28.924	29.350	28.310	58.1	67.3	69.0	73.0	54.8	63.9	86	41	49	50	52	73	57	57	.359	.382	.402	4.39	1.80	4.6	5.0	4.4	4.5
June	28.908	29.210	28.640	67.3	78.1	78.3	82.7	64.1	73.4	97	52	57	57	59	71	51	53	.477	.490	.513	3.78	1.83	3.6	3.8	2.9	3.5
July	28.970	29.210	28.720	74.8	88.2	88.5	93.1	72.4	82.8	104	59	59	58	58	59	38	38	.506	.496	.492	1.39	.81	3.1	2.9	2.3	2.8
August	28.981	29.240	28.753	72.4	85.3	85.6	89.7	70.8	80.2	107	56	58	59	58	64	44	43	.501	.504	.499	3.48	1.61	5.1	4.4	2.8	4.1
September	28.925	29.280	28.440	65.2	76.6	75.5	81.8	63.1	72.4	97	47	57	56	58	75	53	57	.486	.486	.517	2.61	.93	5.5	3.9	2.9	4.2
October	29.050	29.550	28.570	49.4	60.3	58.7	64.6	48.2	56.4	88	28	43	42	42	79	52	58	.306	.300	.308	2.10	1.10	4.9	4.3	4.5	4.6
November	29.033	29.480	28.170	40.1	52.9	50.5	56.9	38.0	47.4	75	19	31	33	34	70	48	53	.188	.205	.214	2.70	1.42	2.9	2.1	3.5	2.6
December	29.094	29.560	28.780	30.8	37.5	37.1	42.0	28.4	35.2	63	17	26	27	27	83	66	66	.143	.149	.149	.95	.91	3.8	4.2	4.6	4.6
Year	28.992	29.600	28.170	50.0	60.7	60.7	65.8	47.6	56.7	107	−12	41	41	42	72	53	54	.305	.312	.320	28.56	1.83	4.1	4.1	3.7	4.0

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	29.556	30.020	28.840	12.8	20.1	19.0	25.8	8.0	16.9	56	−17	9	10	12	85	64	76	0.074	0.076	0.082	2.51	0.76	5.4	5.6	5.5	5.8
February	29.343	29.900	28.900	35.4	44.5	43.6	49.6	31.8	40.7	78	0	29	31	32	77	59	63	.176	.192	.191	1.01	.48	7.1	6.8	5.5	6.4
March	29.255	29.740	28.870	32.3	44.4	44.2	49.9	30.1	40.0	73	11	23	22	24	67	42	44	.127	.129	.135	.67	.59	4.0	6.1	3.9	5.1
April	29.340	29.630	28.980	48.2	62.7	60.8	68.0	45.5	56.8	92	31	37	37	38	67	43	48	.235	.248	.253	1.97	1.13	4.9	5.4	5.2	5.2
May	29.312	29.730	28.780	58.7	68.9	68.7	73.8	53.7	63.8	89	38	50	48	50	73	50	54	.372	.350	.378	2.18	.51	4.8	4.9	4.2	4.5
June	29.277	29.560	29.010	66.6	76.9	77.6	81.8	62.6	72.2	97	46	57	57	57	72	52	52	.472	.481	.488	4.06	1.32	6.0	5.7	3.7	5.2
July	29.329	29.560	29.090	74.2	86.1	86.4	91.4	69.6	80.5	107	55	61	59	60	64	42	43	.546	.516	.541	.30	.24	3.7	4.7	3.2	4.0
August	29.371	29.620	29.170	70.2	84.7	81.6	88.8	67.3	78.0	106	59	59	56	58	70	41	47	.512	.478	.503	2.11	1.09	6.1	5.9	5.7	5.7
September	29.302	29.650	28.790	62.7	77.1	74.6	81.6	60.4	71.0	97	45	54	54	54	74	46	51	.439	.442	.449	2.97	1.74	4.7	4.4	3.8	4.3
October	29.425	29.930	28.980	47.4	59.0	55.3	62.9	45.0	54.0	84	24	41	42	42	79	54	64	.294	.304	.311	2.00	1.60	3.9	5.3	4.0	4.6
November	29.415	29.930	28.560	36.5	49.0	46.6	54.5	34.0	44.2	75	9	29	31	32	75	51	57	.179	.196	.203	3.63	2.05	3.9	3.7	2.9	3.5
December	29.453	30.010	29.070	28.2	34.1	32.3	38.3	24.8	31.6	61	13	23	22	23	80	62	68	.126	.129	.133	.60	.45	5.8	6.0	5.1	5.6
Year	29.365	30.020	28.560	47.8	59.0	57.6	63.9	44.4	54.1	107	−17	39	39	40	74	50	56	.296	.295	.303	24.01	2.05	5.0	5.4	4.4	5.0

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	30.082	30.280	29.870	69.5	75.3	71.0	76.9	66.9	71.9	83	56	67	69	66	90	82	85	0.662	0.727	0.655	4.28	1.75	4.7	2.9	3.0	3.6
February	30.053	30.250	29.820	69.9	75.8	70.9	77.3	67.0	72.2	83	60	65	67	64	84	74	78	.615	.656	.589	2.86	1.08	4.0	2.8	2.7	3.4
March	29.963	30.220	29.650	70.7	74.9	70.6	77.4	66.8	72.1	85	52	64	66	63	80	74	77	.627	.662	.593	3.71	1.66	4.8	5.8	4.0	4.8
April	29.981	30.220	29.770	75.3	79.3	74.9	81.2	70.7	76.0	85	64	68	69	67	79	71	78	.695	.717	.676	4.39	2.71	4.2	4.9	4.6	4.5
May	29.982	30.160	29.720	80.1	82.3	78.8	84.6	75.1	79.8	87	69	71	72	70	74	71	75	.758	.784	.742	3.23	1.38	4.0	5.4	4.4	4.7
June	29.945	30.100	29.760	80.4	83.1	79.5	84.9	75.1	80.0	89	69	74	74	73	81	76	81	.839	.855	.815	12.97	4.21	7.2	6.7	7.3	7.2
July	30.016	30.150	29.900	83.5	86.6	82.5	88.5	77.7	83.1	91	70	74	75	73	74	68	73	.840	.863	.809	2.53	.86	3.9	4.1	3.6	4.3
August	29.977	30.130	29.790	83.8	87.5	83.2	89.4	78.3	83.8	92	73	74	75	73	73	67	73	.846	.865	.813	4.09	1.38	4.4	4.5	6.4	5.2
September	29.939	30.100	29.780	82.8	86.6	81.9	88.0	78.8	83.4	90	73	75	76	74	77	70	78	.862	.887	.850	2.19	.55	6.2	5.4	5.6	5.8
October	29.927	30.210	29.750	77.7	82.4	78.0	83.7	74.1	78.9	89	67	71	71	69	79	68	75	.756	.759	.719	7.81	2.52	5.3	4.0	4.0	5.0
November	30.060	30.320	29.910	71.2	75.6	71.9	77.2	68.5	72.8	84	58	64	64	63	78	67	75	.602	.603	.596	.42	.15	5.3	5.0	5.6	5.7
December	30.035	30.340	29.800	65.0	70.7	66.3	72.3	62.0	67.2	81	50	59	61	60	82	72	82	.518	.545	.539	4.26	2.69	6.5	5.8	5.6	6.5
Year	29.997	30.340	29.650	75.8	80.0	75.8	81.8	71.8	76.8	92	50	69	70	68	79	72	78	.718	.744	.700	52.74	4.21	5.0	4.7	4.7	5.1

Annual meteorological summary for the year ending December 31, 1930—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	Wind: By self-register: Prevailing direction	Wind: By self-register: Maximum velocity	Wind: By self-register: Direction at time of maximum velocity	Wind: Days with 33 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: Thunderstorm	Electricity: Aurora
	Miles		*Mi.*																									
January	4.2	NW.	28	NE.	0	4	11	0	6	2	4	9	26	0	13	7	11	9	6	11	9	0	0	27	0	31	0	0
February	4.7	NW.	26	SW.	0	3	2	3	9	5	7	13	14	0	5	15	8	8	5	9	4	0	0	3	0	22	0	0
March	5.8	NW.	26	W.	0	6	8	2	14	2	5	7	17	1	8	13	10	7	3	9	4	0	0	3	0	23	0	0
April	5.4	NW.	28	SW.	0	1	1	1	11	9	3	15	18	1	10	17	3	7	7	0	0	0	0	0	0	5	1	0
May	5.9	NW.	25	SW.	0	3	7	1	8	4	5	16	18	0	10	16	5	13	10	0	0	1	0	0	0	3	8	0
June	5.9	W.	26	W.	0	3	4	2	10	1	1	19	20	0	9	15	6	7	6	0	0	0	0	0	0	0	3	0
July	5.2	NW.	25	SW.	0	1	5	4	6	2	1	11	30	2	13	13	5	5	3	0	0	0	0	0	6	0	3	1
August	4.9	NW.	20	NE.	0	1	2	4	11	5	0	13	24	2	14	14	3	3	2	0	0	0	0	0	7	0	4	0
September	4.8	NW.	24	NE.	0	2	1	3	12	2	3	7	21	9	7	7	16	7	6	0	0	0	0	0	0	0	2	0
October	3.2	NW.	16	NE.	0	3	3	2	5	6	0	10	24	9	6	9	16	11	9	5	4	0	2	3	0	16	0	0
November	2.6	NW.	15	W.	0	1	1	0	1	6	1	13	23	14	1	6	23	10	8	10	8	0	7	14	0	28	0	0
December	2.7	NW.	17	W.	0	5	2	0	2	2	0	16	28	7	1	7	23	7	5	18	7	0	2	19	0	31	0	0
Year	4.6	NW.	28	NE.	0	33	47	22	95	46	30	149	263	45	97	139	129	94	70	62	36	1	11	69	13	159	21	1

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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	10.3	N.	30	NW.	0	17	7	3	1	12	8	8	6	0	10	11	10	13	11	15	12	0	8	21	0	28	0	0
February	10.5	S.	27	NW.	0	8	1	4	3	19	10	4	7	0	12	12	4	5	5	1	1	2	0	2	0	9	3	0
March	13.1	NW.	40	NW.	3	7	4	5	3	12	5	8	18	0	19	7	5	4	2	3	1	0	0	1	0	16	1	0
April	9.6	S.	29	SW.	0	6	8	11	9	10	6	3	7	0	12	10	8	13	11	0	0	0	4	0	1	1	8	0
May	9.9	S.	40	SW.	1	5	7	2	6	25	6	2	9	0	12	13	6	9	6	0	0	2	0	0	0	0	5	0
June	8.3	S.	34	SW.	2	8	5	3	8	23	3	1	9	0	19	7	4	9	8	0	0	0	0	0	4	0	8	0
July	8.4	S.	30	N.	0	12	3	3	6	23	14	0	1	0	20	7	4	6	4	0	0	1	0	0	19	0	5	0
August	7.5	E.	21	N.	0	4	8	13	10	13	8	3	2	1	15	12	4	8	5	0	0	0	0	0	13	0	6	0
September	7.5	S.	36	NW.	2	7	4	12	8	17	4	2	6	0	13	10	7	11	6	0	0	0	0	0	4	0	9	0
October	7.6	S.	28	NW.	0	11	1	2	13	15	4	5	11	0	14	8	9	11	6	3	3	0	0	0	0	3	1	0
November	10.2	S.	48	NW.	3	4	3	2	9	23	7	4	8	0	18	10	2	6	5	2	0	0	1	1	0	9	1	0
December	9.0	NW.	30	NW.	0	11	7	3	1	8	10	11	11	0	13	9	9	3	2	8	1	0	2	2	0	25	0	0
Year	9.3	S.	48	NW.	11	100	58	63	77	200	85	51	95	1	177	116	72	98	71	32	18	5	10	27	41	91	47	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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	7.4	SW.	26	SW.	0	14	3	3	3	9	12	8	10	0	12	3	16	13	11	13	10	0	2	20	0	30	0	0
February	7.2	S.	25	NW.	0	7	0	3	4	18	10	3	9	2	6	12	10	5	4	3	1	1	2	2	0	18	2	0
March	9.7	W.	30	NW.	0	9	2	7	3	10	4	16	11	0	13	6	12	4	3	6	1	0	0	1	0	20	1	0
April	7.4	N.	26	SW.	0	12	5	10	6	8	7	2	10	0	11	9	10	6	6	0	0	0	1	0	1	1	3	0
May	8.2	S.	37	SW.	2	4	8	2	8	15	10	10	5	0	15	7	9	13	8	0	0	0	0	0	0	0	6	0
June	6.8	S.	24	W.	0	11	4	4	2	13	12	3	10	1	10	12	8	10	8	0	0	0	0	0	3	0	6	0
July	5.4	SW.	21	SE.	0	8	5	3	5	8	15	9	5	4	14	13	4	4	1	0	0	0	0	0	18	0	4	0
August	4.5	NE.	18	SW.	0	5	22	7	2	7	7	4	3	5	8	11	12	9	8	0	0	0	0	0	13	0	9	0
September	6.0	SW.	38	W.	1	4	8	5	5	10	16	1	7	4	15	7	8	4	2	0	0	1	0	0	4	0	2	0
October	5.8	NW.	28	W.	0	5	3	7	15	8	3	7	14	0	15	7	9	5	4	1	0	0	1	0	0	7	1	0
November	7.9	SW.	31	NW.	0	6	2	2	14	13	12	5	6	0	18	5	7	6	5	3	1	0	5	2	0	12	0	0
December	6.8	SW.	30	NW.	0	9	4	5	5	4	14	9	12	0	9	9	13	4	3	8	2	0	0	8	0	25	0	0
Year	6.9	SW.	38	W.	3	94	66	58	72	123	122	77	102	16	146	101	118	83	63	34	15	2	11	33	39	113	34	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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	9.2	NE.	31	SW.	0	13	14	14	10	5	1	0	5	0	16	10	5	9	6	0	0	0	0	0	0	0	3	0
February	9.3	NE.	33	SW.	1	6	15	17	12	2	3	1	0	0	16	6	6	8	8	0	0	0	0	0	0	0	1	0
March	9.6	N.	36	NW.	1	14	7	8	16	6	4	2	5	0	12	11	8	8	7	0	0	0	0	0	0	0	2	0
April	8.6	SE.	26	S.	0	7	7	18	12	5	2	1	7	1	14	9	7	7	6	0	0	0	0	0	0	0	5	0
May	8.9	SE.	26	SW.	0	2	1	27	21	3	3	1	1	3	13	12	6	8	7	0	0	0	0	0	0	0	1	0
June	8.7	E.	35	SW.	1	4	3	14	10	12	8	3	5	1	6	6	18	16	14	0	0	0	0	0	0	0	13	0
July	6.7	SE.	20	SE.	0	1	2	26	24	5	1	1	1	1	13	15	3	11	6	0	0	0	0	0	3	0	12	0
August	6.3	E.	31	N.	0	1	4	18	14	9	3	7	3	3	10	13	8	14	11	0	0	0	0	0	13	0	15	0
September	8.7	SE.	25	S.	0	0	3	22	23	4	5	3	0	0	7	15	8	12	9	0	0	0	0	0	1	0	8	0
October	9.1	NE.	26	SE.	0	2	28	19	8	3	0	1	0	1	10	15	6	11	10	0	0	0	0	0	0	0	5	0
November	10.2	NE.	36	NW.	1	10	19	20	6	1	0	0	4	0	8	12	10	7	4	0	0	0	0	0	0	0	0	0
December	8.9	NE.	30	N.	0	19	27	6	1	1	2	0	4	2	8	7	16	9	8	0	0	0	0	0	0	0	1	0
Year	8.7	SE.	36	NW.	4	79	130	209	157	56	32	20	35	12	133	131	101	120	96	0	0	0	0	0	17	0	66	0

Annual meteorological summary for the year ending December 31, 1930—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	29.158	29.640	28.750	34.4	43.2	42.9	49.5	31.1	40.3	74	7	29	32	32	81	65	67	0.177	0.201	0.202	2.19	0.59	6.5	5.8	4.8	6.3
February	29.073	29.360	28.530	39.9	53.0	52.6	58.8	37.0	47.9	75	18	35	37	35	83	56	54	.222	.240	.222	3.78	1.62	4.3	3.4	3.4	4.1
March	28.865	29.230	28.198	40.1	51.2	50.6	57.5	36.6	47.0	70	19	33	33	33	76	52	53	.200	.201	.200	4.41	1.61	4.6	4.5	5.1	4.8
April	29.004	29.392	28.580	53.5	68.1	66.5	73.2	49.5	61.4	87	36	43	43	42	69	42	44	.293	.294	.287	1.39	.66	4.2	4.8	4.8	4.5
May	29.020	29.300	28.750	62.7	74.7	71.0	78.8	58.2	68.5	88	47	56	54	55	79	52	59	.455	.444	.448	4.21	1.19	5.1	5.8	5.5	5.6
June	28.969	29.329	28.620	68.5	81.0	78.8	86.1	62.9	74.5	96	48	58	55	56	71	42	48	.502	.445	.471	2.60	1.48	3.3	4.0	4.2	3.8
July	28.967	29.140	28.730	73.7	87.0	84.0	92.2	69.1	80.6	104	59	64	63	62	73	47	50	.602	.589	.566	1.86	.86	4.2	4.1	3.8	4.4
August	28.999	29.190	28.820	69.0	82.7	79.8	88.1	64.9	76.5	101	54	61	59	59	77	47	51	.544	.511	.510	2.03	.83	3.1	4.0	4.6	4.7
September	28.997	29.250	28.760	67.5	79.2	75.7	83.1	64.7	73.9	95	49	63	62	64	86	59	69	.582	.577	.600	4.56	1.77	6.4	6.0	5.4	6.1
October	29.068	29.450	28.750	49.8	63.5	60.0	67.4	47.2	57.3	80	32	44	43	46	83	50	60	.316	.303	.330	1.44	.52	4.0	4.7	3.8	4.3
November	29.126	29.567	28.590	42.3	53.4	50.9	57.2	39.7	48.4	75	17	38	38	38	83	61	63	.252	.262	.263	2.90	1.25	6.2	5.7	5.2	6.0
December	29.063	29.470	28.790	33.6	39.5	39.5	42.8	30.9	36.8	61	20	30	32	32	84	76	75	.169	.186	.185	2.30	.95	6.5	6.6	7.0	6.7
Year	29.026	29.640	28.198	52.9	64.7	62.7	69.6	49.3	59.4	104	7	46	46	46	79	54	58	.360	.354	.357	33.67	1.77	4.9	5.0	4.8	5.1

LA CROSSE, WIS.

[ϕ=43° 49′ N.; λ=91° 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	29.394	29.970	28.620	4.5	13.8	12.1	19.1	−1.1	9.0	46	−27	1	6	8	86	72	83	0.054	0.065	0.066	1.63	0.93	6.0	5.0	5.6	5.7
February	29.156	29.750	28.726	25.7	34.5	33.3	38.7	22.0	30.4	64	−10	22	25	26	85	66	75	.130	.148	.155	.78	.34	6.3	7.3	6.0	6.9
March	29.110	29.680	28.700	26.8	37.5	37.1	42.9	25.2	34.0	75	3	20	20	23	76	50	55	.111	.114	.123	1.25	.37	6.1	5.5	4.5	5.7
April	29.227	29.480	28.795	41.6	56.0	55.0	60.7	39.5	50.1	91	22	34	33	35	74	46	50	.202	.207	.223	1.73	.84	4.5	4.8	5.2	5.0
May	29.154	29.680	28.530	54.7	65.8	63.8	70.1	48.8	59.4	87	32	46	47	47	75	52	58	.335	.346	.344	2.55	.99	6.7	6.2	5.0	6.1
June	29.109	29.425	28.740	62.2	75.2	72.4	79.2	58.6	68.9	93	44	57	57	59	84	56	64	.475	.484	.505	6.89	2.45	5.6	5.6	6.2	5.9
July	29.179	29.500	28.840	66.1	82.0	79.8	86.4	62.4	74.4	100	49	60	61	63	82	51	58	.535	.562	.607	3.05	1.09	3.4	3.9	4.6	3.8
August	29.256	29.550	28.950	62.0	80.5	77.1	85.2	59.2	72.2	98	48	57	57	59	85	47	55	.479	.482	.512	.90	.30	5.0	5.0	4.2	4.7
September	29.161	29.580	28.419	54.0	70.5	65.1	74.1	50.1	62.1	90	33	49	50	50	85	50	60	.372	.381	.380	3.51	1.22	3.6	4.0	4.2	3.9
October	29.274	29.790	28.830	42.6	53.1	50.6	57.0	40.5	48.8	85	19	39	41	40	86	63	68	.264	.291	.288	1.66	.96	6.0	6.8	5.8	6.4
November	29.223	29.830	28.295	32.7	44.8	41.6	49.5	29.0	39.2	73	−8	29	31	31	86	61	67	.182	.199	.195	2.00	.80	4.8	5.5	3.9	5.4
December	29.281	29.890	28.800	21.8	27.2	25.2	31.0	18.0	24.5	49	−3	19	22	21	89	78	82	.109	.118	.116	.26	.08	6.5	6.6	6.3	6.6
Year	29.210	29.970	28.295	41.2	53.4	51.1	57.8	37.7	47.8	100	−27	36	38	38	83	58	65	.271	.283	.293	26.21	2.45	5.4	5.5	5.1	5.5

LANDER, WYO.

[ϕ=42° 50′ N.; λ=108° 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	24.580	24.960	24.160	−3.8	11.4	6.1	14.6	−8.6	3.0	49	−39	−9	3	2	80	79	84	0.033	0.053	0.051	0.54	0.22	2.2	4.3	3.9	4.5
February	24.558	24.860	24.210	27.0	39.0	38.9	45.1	23.3	34.2	59	11	21	30	29	77	71	68	.111	.172	.164	.46	.40	3.7	5.2	4.2	4.8
March	24.562	25.100	24.150	22.8	36.8	37.6	42.6	19.1	30.8	59	−9	19	28	27	84	73	68	.104	.159	.148	1.30	.45	3.7	4.1	4.6	4.3
April	24.589	24.980	24.290	38.7	59.5	61.2	65.1	35.9	50.5	76	11	29	35	32	69	41	34	.163	.208	.183	.10	.07	2.9	5.2	5.4	4.2
May	24.544	24.897	24.180	42.0	57.3	58.7	62.7	38.7	50.7	83	30	33	35	33	74	50	45	.193	.209	.192	5.70	2.19	5.0	6.1	6.0	5.4
June	24.618	24.920	24.240	49.0	70.7	73.5	77.0	46.1	61.6	89	36	36	33	32	62	27	24	.214	.195	.185	.12	*.21	1.9	2.7	1.9	2.0
July	24.731	25.030	24.468	57.1	79.0	79.6	86.2	54.6	70.4	97	48	45	46	45	65	35	34	.300	.321	.308	1.87	1.76	2.0	3.5	5.4	3.7
August	24.758	24.940	24.520	56.4	75.3	70.4	79.6	54.5	67.0	88	43	50	51	51	79	45	50	.362	.380	.389	4.35	1.70	3.7	4.9	6.6	4.6
September	24.657	25.000	24.190	43.9	66.5	67.3	73.3	41.6	57.4	85	28	36	42	41	75	43	40	.217	.276	.263	.10	.09	2.7	2.7	3.4	2.9
October	24.649	24.960	24.250	33.2	52.0	48.2	56.8	30.7	43.8	69	14	29	33	32	84	50	56	.163	.194	.189	2.36	1.69	2.6	3.8	3.4	3.8
November	24.688	25.170	23.880	23.5	42.9	35.8	46.5	20.3	33.4	59	9	17	21	21	76	40	53	.093	.111	.111	.01	.01	1.0	2.9	3.5	3.6
December	24.725	24.960	24.430	13.2	30.8	24.1	34.3	8.9	21.6	51	−4	9	17	17	82	56	76	.065	.091	.092	.10	.07	1.2	1.8	3.2	3.1
Year	24.638	25.170	23.880	33.6	51.8	50.1	57.0	30.4	43.7	97	−39	26	31	30	76	51	53	.168	.197	.190	17.10	2.19	2.7	3.9	4.3	3.9

LANSING, MICH.

[ϕ=42° 44′ N.; λ=84° 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	29.188	29.721	28.490	16.9	23.1	19.6	25.7	10.8	18.2	46	−13	16	19	18	98	84	94	0.100	0.111	0.106	2.53	0.54	7.6	7.0	6.6	7.0
February	29.040	29.450	28.560	27.5	33.8	31.1	38.2	23.9	31.0	66	1	26	28	29	94	80	92	.154	.166	.173	1.41	.43	8.1	7.1	5.5	7.0
March	28.876	29.640	28.170	26.8	37.3	32.9	40.3	23.2	31.8	69	13	24	28	28	90	68	80	.134	.155	.153	1.47	.60	4.7	5.9	6.1	5.3
April	29.076	29.422	29.502	40.3	52.3	48.2	56.3	34.1	45.2	80	23	36	40	40	84	64	73	.219	.258	.261	1.97	1.16	5.0	6.3	4.3	5.7
May	29.060	29.498	28.660	54.1	65.6	60.2	68.4	47.2	57.8	86	34	48	50	50	82	59	71	.354	.375	.375	3.36	1.01	4.6	6.0	5.6	5.1
June	28.990	29.308	28.650	63.5	75.4	69.9	78.0	55.2	66.6	88	45	56	57	59	78	55	71	.464	.478	.517	2.79	.71	4.4	4.4	4.7	4.7
July	29.038	29.300	28.680	66.6	80.6	76.5	84.1	58.5	71.3	99	45	58	57	59	74	47	56	.488	.484	.516	.50	.24	3.1	3.9	3.7	3.5
August	29.110	29.404	28.880	63.8	80.1	74.1	83.2	57.0	70.1	97	45	55	54	56	75	41	54	.441	.423	.451	.18	.12	3.5	4.6	4.8	4.5
September	29.043	29.360	28.480	56.5	72.9	64.4	74.9	51.1	63.0	88	36	52	50	52	86	48	65	.414	.396	.406	1.42	.35	4.3	4.3	2.7	4.0
October	29.143	29.520	28.670	41.7	55.5	49.0	57.0	39.0	48.0	80	23	40	42	44	94	63	82	.271	.302	.311	1.00	.29	5.5	6.4	5.1	6.4
November	29.121	29.690	28.450	35.3	45.9	39.9	48.4	30.7	39.6	67	5	33	35	35	92	66	82	.203	.221	.220	.96	.42	6.1	6.2	5.1	6.5
December	29.083	29.702	28.560	24.5	30.2	27.0	32.6	20.5	26.6	48	−2	23	26	25	94	82	92	.130	.142	.141	.91	.34	8.4	7.7	7.9	7.9
Year	29.064	29.721	28.170	43.1	54.4	49.4	57.3	37.6	47.4	99	−13	39	40	41	87	63	76	.281	.293	.302	18.50	1.16	5.4	5.8	5.2	5.6

* May 31–June 1.

Annual meteorological summary for the year ending December 31, 1930—Continued

KNOXVILLE, TENN.

[H_b=995 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 33 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorm	Aurora
	Miles		*Mi.*																									
January	5.6	SW.	30	S.	0	14	12	5	1	6	14	5	5	0	7	11	13	13	10	7	4	0	3	3	0	17	0	0
February	5.8	SW.	32	SW.	0	7	7	4	2	6	24	3	1	2	14	8	6	9	5	2	0	0	0	0	0	7	1	0
March	7.2	SW.	30	SW.	0	5	5	2	1	9	21	14	2	3	13	8	10	13	10	3	2	0	1	0	0	7	2	0
April	5.7	SW.	28	SW.	0	9	12	0	1	6	18	7	7	0	8	18	4	7	6	0	0	0	0	0	0	0	2	0
May	5.6	SW.	22	S.	0	10	10	8	2	8	15	7	1	1	9	11	11	13	12	0	0	0	2	0	0	0	9	0
June	4.2	SW.	23	S.	0	9	7	4	4	8	14	5	3	6	16	11	3	7	5	0	0	0	0	0	8	0	7	0
July	4.7	SW.	24	NW.	0	11	8	2	2	8	23	3	2	3	11	17	3	8	6	0	0	0	0	0	21	0	17	0
August	4.1	NE.	24	SW.	0	9	19	7	3	5	8	8	2	1	13	10	8	7	7	0	0	0	1	0	14	0	6	0
September	4.1	NE.	25	N.	0	11	15	6	4	7	12	2	1	2	5	15	10	12	11	0	0	0	6	0	6	0	7	0
October	4.2	SW.	21	SW.	0	13	16	2	1	5	12	7	4	2	14	10	7	7	5	1	1	0	5	0	0	1	0	0
November	5.0	NE.	31	S.	0	6	21	7	3	2	12	4	4	1	8	8	14	12	8	3	0	0	8	1	0	10	1	0
December	5.3	NE.	20	SW.	0	4	19	2	1	3	19	6	8	0	8	5	18	10	8	8	4	0	2	0	0	19	0	0
Year	5.1	SW.	32	SW.	0	108	151	49	25	73	192	71	40	21	126	132	107	118	93	24	11	0	28	4	49	61	52	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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	4.5	S.	14	NW.	0	9	0	0	9	13	5	13	13	0	11	8	12	13	8	20	13	0	0	26	0	30	0	0
February	4.4	S.	18	W.	0	2	1	2	6	18	7	10	10	0	5	11	12	11	7	13	9	0	1	7	0	22	1	0
March	5.5	NW.	18	NW.	0	10	5	2	6	6	4	8	20	1	9	10	12	8	5	9	4	0	0	2	0	27	3	1
April	4.8	NW.	19	NW.	0	7	7	8	8	10	3	3	14	0	13	5	12	8	5	1	0	0	0	0	1	10	1	1
May	4.7	SE.	21	NW.	0	5	5	2	9	14	9	7	11	0	7	11	13	11	7	0	0	0	0	0	0	0	7	7
June	3.9	S.	21	NW.	0	5	0	0	8	19	5	11	12	0	7	13	10	15	13	0	0	0	4	0	1	0	14	1
July	3.4	S.	14	S.	0	7	0	1	18	15	5	6	10	0	16	12	3	7	6	0	0	1	2	0	9	0	8	0
August	2.5	S.	13	SW.	0	6	5	3	7	20	7	4	9	1	12	12	7	7	5	0	0	0	6	0	10	0	6	0
September	3.4	S.	17	NW.	0	6	2	1	12	10	6	15	5	3	18	5	7	9	9	0	0	0	2	0	1	0	9	3
October	4.3	S.	16	SW.	0	3	1	3	17	15	2	12	9	0	8	6	17	9	8	2	0	0	1	0	0	12	0	0
November	5.8	S.	20	SW.	0	3	1	0	10	21	7	6	12	0	9	11	10	10	7	7	4	0	0	5	0	14	0	0
December	4.1	NW.	19	NW.	0	5	3	1	3	17	9	9	14	1	10	2	19	8	3	15	6	0	1	19	0	31	0	0
Year	4.3	S.	21	NW.	0	68	30	23	113	178	89	104	139	6	125	106	134	116	83	67	36	1	17	59	22	146	49	13

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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	3.0	E.	37	SW.	1	6	5	8	6	1	17	14	3	2	15	8	8	5	5	10	5	0	0	23	0	31	0	0
February	4.5	W.	46	W.	2	6	1	9	5	2	12	14	6	1	11	13	4	3	2	7	3	0	0	2	0	28	0	0
March	4.7	SW.	37	NW.	1	4	5	10	2	5	12	10	14	0	14	11	6	9	6	11	9	0	0	5	0	30	0	0
April	5.1	W.	33	SW.	1	1	5	7	4	7	16	13	7	0	14	14	2	3	1	0	0	1	0	0	0	9	4	0
May	5.5	W.	38	SW.	2	9	3	6	5	7	11	13	8	0	9	14	8	10	9	4	3	0	0	0	0	3	4	0
June	5.3	W.	34	NW.	1	2	8	7	4	8	16	12	2	1	24	6	0	5	1	0	0	0	0	0	0	0	2	0
July	4.2	SW.	29	S.	0	8	2	5	5	7	15	16	3	1	16	14	1	8	2	0	0	1	0	0	10	0	6	0
August	3.8	SW.	30	W.	0	4	4	4	2	3	19	21	5	0	15	12	4	13	11	0	0	1	0	0	0	0	15	0
September	4.1	SW.	25	SW.	0	3	4	2	1	10	16	20	4	0	20	8	2	2	1	0	0	0	0	0	0	2	0	0
October	3.7	SW.	33	SW.	1	2	7	2	4	8	24	12	1	2	17	9	5	6	5	2	2	0	0	0	0	18	0	0
November	3.1	SW.	40	SW.	1	3	5	3	3	7	25	8	3	3	19	4	7	1	0	2	1	0	0	2	0	29	0	0
December	2.1	SW.	11	SE.	0	5	4	2	5	6	24	4	1	11	21	6	4	3	1	6	3	0	0	15	0	31	0	0
Year	4.1	SW.	46	W.	10	53	53	65	46	71	207	157	57	21	195	119	51	68	44	42	26	3	0	47	10	181	31	0

LANSING, MICH.

[H_b=878 ft.; h_t=6 ft.; h_r=3 ft.; h_a=88 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	5.0	SW.	19	W.	0	5	6	1	2	8	22	10	6	2	7	7	17	22	15	21	18	0	1	23	0	29	0	0
February	5.3	SW.	18	W.	0	3	3	0	7	11	14	6	10	2	6	8	14	16	10	17	11	1	4	8	0	20	2	0
March	6.9	W.	26	NW.	0	5	9	3	5	4	9	17	8	2	12	8	11	11	8	13	11	0	0	7	0	30	0	0
April	5.5	NW.	22	NW.	0	4	5	5	11	4	6	5	14	6	9	8	13	12	10	6	1	1	1	0	0	15	1	0
May	4.0	SW.	29	NW.	0	6	2	2	3	12	10	10	7	10	9	15	7	14	10	0	0	0	0	0	0	0	7	3
June	3.6	SW.	21	NW.	0	2	1	0	3	9	8	13	8	16	10	15	5	13	9	0	0	0	0	0	0	0	10	3
July	3.0	W.	15	W.	0	9	2	1	3	2	4	12	10	19	17	11	3	5	4	0	0	0	0	0	9	0	3	1
August	3.7	N.	15	W.	0	14	7	5	1	6	11	8	8	2	12	14	5	4	2	0	0	0	0	0	6	0	5	0
September	4.1	W.	19	W.	0	2	5	1	2	14	17	8	8	3	17	6	7	10	10	0	0	0	0	0	0	0	10	2
October	3.8	W.	14	W.	0	4	4	6	6	15	7	11	7	2	8	7	16	10	7	6	4	0	7	1	0	11	1	0
November	5.6	SW.	22	NW.	0	1	0	0	9	15	17	10	6	2	5	11	14	10	6	10	6	0	2	4	0	15	0	0
December	7.4	SW.	22	NW.	0	3	4	5	6	5	19	8	11	1	4	6	21	13	7	16	11	0	1	17	0	26	0	0
Year	4.8	SW.	29	NW.	0	58	48	29	58	105	144	118	103	67	116	116	133	140	98	89	62	2	16	60	15	146	39	9

Annual meteorological summary for the year ending December 31, 1930—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	29.409	30.180	28.680	12.3	20.5	----	24.3	8.3	16.3	64	−17	7	11	---	77	66	---	0.076	0.083	----	1.12	0.35	6.6	6.5	----	6.4
February	29.216	29.630	28.630	38.8	47.2	----	50.4	35.5	43.0	62	28	32	32	---	77	56	---	.184	.180	----	1.37	.72	7.6	7.4	----	7.5
March	29.252	29.750	28.760	38.8	51.3	----	57.3	36.7	47.0	74	30	31	31	---	74	48	---	.177	.179	----	1.41	.51	5.7	5.9	----	5.7
April	29.160	29.520	28.840	46.4	64.0	----	69.5	45.1	57.3	82	35	41	43	---	81	47	---	.258	.278	----	1.48	.33	6.6	6.2	----	6.1
May	29.105	29.570	28.790	48.0	65.7	----	70.5	46.5	58.5	91	36	41	39	---	77	39	---	.262	.242	----	1.64	.92	6.8	6.1	----	6.4
June	29.160	29.460	28.820	54.9	74.2	----	79.4	55.2	66.3	94	47	45	41	---	71	33	---	.302	.268	----	.90	.25	4.3	3.6	----	4.1
July	29.153	29.350	28.880	62.8	86.8	----	93.5	61.5	77.5	106	51	46	43	---	55	23	---	.313	.285	----	.07	.06	2.4	1.8	----	2.5
August	29.136	29.350	28.830	62.5	86.7	----	93.4	61.4	77.4	106	51	47	44	---	57	24	---	.328	.303	----	.19	.10	3.0	2.5	----	3.2
September	29.123	29.450	28.790	54.4	71.9	----	78.9	51.8	65.4	97	39	46	45	---	74	42	---	.312	.310	----	.88	.35	4.9	5.4	----	5.4
October	29.272	29.680	28.610	42.7	56.8	----	61.3	40.0	50.6	78	27	36	39	---	80	52	---	.222	.245	----	1.08	.57	5.5	6.5	----	6.0
November	29.406	30.012	28.270	34.5	44.9	----	48.7	31.9	40.3	65	25	30	33	---	83	64	---	.169	.190	----	.64	.33	7.0	7.8	----	7.4
December	29.522	29.880	29.110	28.1	35.3	----	38.2	26.0	32.1	48	15	22	25	---	76	64	---	.120	.135	----	.76	.23	5.6	7.2	----	6.6
Year	29.243	30.180	28.270	43.7	58.8	----	63.8	41.5	52.6	106	−17	35	36	---	74	46	---	.227	.225	----	11.54	.92	5.5	5.6	----	5.6

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	29.158	29.620	28.640	30.4	34.9	34.0	40.3	24.8	32.6	70	−6	27	28	---	88	78	---	0.177	0.184	----	4.44	1.47	6.9	6.3	----	6.5
February	29.043	29.370	28.540	39.9	46.3	45.6	52.1	35.6	43.8	69	10	34	34	---	80	65	---	.205	.216	----	2.91	1.31	6.0	5.8	----	5.4
March	28.848	29.290	28.170	35.7	44.8	43.4	50.4	31.1	40.8	67	13	30	31	---	78	60	---	.172	.190	----	2.54	.83	4.3	5.1	----	4.8
April	29.007	29.380	28.480	52.0	62.8	59.6	67.8	47.5	57.6	85	32	40	38	---	64	41	---	.262	.244	----	.81	.29	3.7	3.8	----	3.3
May	29.018	29.360	28.760	62.1	70.4	67.4	74.7	56.2	65.4	88	45	53	52	---	73	55	---	.415	.403	----	3.35	1.37	4.1	4.6	----	4.2
June	28.970	29.303	28.650	69.0	78.2	76.0	82.7	63.0	72.8	95	47	58	57	---	69	50	---	.496	.484	----	1.89	.88	2.4	3.0	----	2.7
July	28.975	29.210	28.700	73.4	84.8	84.4	90.4	68.8	79.6	104	54	60	58	---	63	42	---	.519	.498	----	.45	.21	3.6	3.0	----	2.6
August	29.008	29.240	28.840	69.6	81.5	79.4	86.5	65.9	76.2	99	56	58	55	---	68	44	---	.491	.456	----	1.69	.83	3.7	3.4	----	4.0
September	28.995	29.240	28.700	66.1	76.0	71.8	80.2	62.3	71.2	94	46	58	58	---	76	57	---	.505	.503	----	2.80	1.39	4.8	5.2	----	5.4
October	29.068	29.450	28.750	48.8	58.8	57.0	63.7	45.7	54.7	82	27	41	42	---	76	55	---	.285	.294	----	.63	.27	4.0	3.9	----	4.1
November	29.113	29.620	28.450	41.3	49.6	47.6	54.2	37.1	45.6	77	3	35	36	---	79	63	---	.231	.248	----	1.59	.78	5.0	4.9	----	5.1
December	29.061	29.520	28.680	30.5	34.9	34.0	38.1	26.3	32.2	54	12	27	28	---	86	77	---	.149	.160	----	1.79	.76	6.8	6.9	----	6.0
Year	29.022	29.620	28.170	51.6	60.2	58.4	65.1	47.0	56.0	104	−6	43	43	---	75	57	---	.326	.323	----	24.89	1.47	4.6	4.7	----	4.5

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	28.936	29.300	28.310	9.3	17.5	16.7	22.5	5.5	14.0	56	−16	4	9	10	79	69	74	0.057	0.071	0.072	0.87	0.30	5.0	4.5	4.6	5.2
February	28.691	29.240	28.160	34.9	46.4	45.3	51.7	31.4	41.6	70	2	29	32	32	79	58	61	.166	.189	.192	.31	.14	5.4	5.2	5.0	5.7
March	28.690	29.370	28.160	30.6	45.5	45.4	51.4	28.0	39.7	78	8	23	24	23	73	43	42	.131	.135	.134	.58	.40	3.6	3.6	3.1	3.9
April	28.707	28.961	28.290	46.5	62.3	62.0	66.9	44.4	55.6	92	23	39	42	42	77	54	55	.252	.286	.284	2.72	.67	5.7	6.0	5.4	6.0
May	28.665	29.090	27.920	54.3	66.5	67.1	71.6	51.1	61.4	88	39	49	51	51	82	60	60	.357	.393	.399	3.10	1.04	5.5	5.9	5.1	5.5
June	28.653	28.980	28.280	63.5	79.5	77.7	83.1	59.2	71.2	101	45	58	60	60	82	54	55	.484	.538	.523	2.95	1.29	4.2	4.9	4.2	4.7
July	28.700	29.030	28.480	73.8	90.2	90.9	95.3	70.3	82.8	108	52	59	59	57	62	37	34	.507	.504	.470	1.06	.56	5.6	4.2	2.6	4.2
August	28.738	29.040	28.410	69.0	83.6	80.9	87.5	66.8	77.2	108	57	62	65	64	80	55	59	.567	.620	.606	3.75	.89	7.2	6.3	5.5	6.4
September	28.680	29.050	28.240	59.6	76.1	72.6	79.6	56.5	68.0	95	43	53	53	54	79	48	55	.419	.438	.451	1.36	1.08	4.3	4.4	3.2	4.3
October	28.787	29.260	28.270	46.0	60.2	57.2	63.7	43.5	53.6	88	17	39	40	40	78	48	55	.279	.287	.286	.52	.35	4.5	5.2	4.5	5.1
November	28.757	29.300	28.000	37.0	51.1	46.0	55.0	33.8	44.4	71	15	30	31	31	75	47	56	.180	.193	.183	3.40	2.88	3.0	4.0	4.1	4.2
December	28.847	29.310	28.460	26.8	35.4	32.9	39.6	24.1	31.8	64	14	22	25	25	82	67	72	.119	.136	.135	.12	.10	5.8	6.2	5.7	5.9
Year	28.738	29.370	27.920	45.9	59.5	57.9	64.0	42.9	53.4	108	−16	39	41	41	77	53	56	.293	.316	.311	20.74	2.88	5.0	5.0	4.4	5.1

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	29.860	30.330	29.240	31.6	37.1	36.9	42.4	27.5	35.0	64	−4	26	26	26	78	67	67	0.164	0.165	0.161	12.47	3.42	6.8	5.3	5.8	6.3
February	29.696	30.060	29.090	47.8	56.9	57.8	62.8	45.2	54.0	79	30	40	40	41	75	56	57	.268	.276	.276	4.40	2.94	5.9	5.7	4.4	5.5
March	29.592	30.160	28.820	44.6	56.2	57.0	61.7	42.5	52.1	75	26	34	36	34	68	50	45	.217	.228	.223	1.99	1.23	5.3	5.3	4.4	4.8
April	29.648	29.960	29.370	57.6	71.4	72.9	76.9	55.9	66.4	90	45	46	47	46	67	45	41	.324	.329	.329	.17	.08	4.9	4.9	5.0	5.4
May	29.626	30.030	29.290	64.3	74.3	74.4	78.3	61.5	69.9	85	54	58	57	58	82	59	60	.496	.492	.500	11.12	3.79	5.1	5.8	4.7	5.3
June	29.596	29.840	29.363	71.5	85.1	85.6	89.2	68.5	78.8	99	56	59	55	57	66	37	39	.515	.455	.479	.12	.08	2.8	3.8	2.4	3.0
July	29.617	29.780	29.370	77.6	93.5	93.5	97.5	75.3	86.4	108	65	62	59	60	60	33	34	.563	.516	.520	.01	.01	2.8	3.5	3.3	3.3
August	29.631	29.810	29.441	73.7	89.8	87.8	93.7	71.9	82.8	105	63	61	59	60	65	38	42	.544	.516	.531	.65	.22	3.2	3.5	4.8	3.8
September	29.603	29.830	29.310	68.8	82.3	79.9	86.0	67.0	76.5	97	51	63	61	63	82	51	58	.591	.564	.593	2.86	.85	5.3	5.4	5.0	5.2
October	29.717	30.233	29.280	54.4	66.5	64.8	69.7	52.5	61.1	83	34	48	47	49	78	51	58	.355	.353	.374	3.12	1.99	4.8	4.3	3.9	4.4
November	29.753	30.230	29.090	45.2	54.8	55.6	60.1	43.1	51.6	82	27	38	39	39	75	58	57	.251	.267	.270	2.38	1.28	4.3	5.2	4.4	4.9
December	29.779	30.114	29.352	36.6	45.5	45.7	49.6	35.0	42.3	64	25	30	31	31	77	57	57	.172	.176	.177	2.28	1.00	4.4	4.8	4.5	5.1
Year	29.676	30.330	28.820	56.1	67.8	67.7	72.3	53.8	63.1	108	−4	47	46	47	73	50	51	.372	.363	.369	41.57	3.79	4.6	4.8	4.4	4.8

Annual meteorological summary for the year ending December 31, 1930—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 33 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorm	Aurora
	Miles		*Mi.*																									
January	2.5	E.	19	W.	0	1	4	11	8	1	0	2	0	4	7	9	15	14	7	15	11	0	0	21	0	29	0	0
February	3.8	E.	27	NW.	0	4	2	11	2	0	0	4	2	3	3	10	15	12	6	3	2	0	0	0	0	9	0	0
March	3.7	E.	23	NW.	0	0	2	17	1	4	1	2	1	3	10	11	10	8	6	0	0	1	0	0	0	6	0	0
April	2.4	E.	20	NW.	0	3	2	12	1	4	1	0	1	6	8	11	11	11	8	0	0	0	0	0	0	0	3	1
May	3.1	E.	21	NW.	0	0	2	9	6	2	4	2	1	5	10	2	19	9	9	0	0	1	0	0	1	0	2	0
June	4.2	E.	25	NW.	0	0	1	18	4	0	3	1	0	3	12	14	4	9	7	0	0	1	0	0	5	0	5	0
July	3.1	E.	20	NW.	0	1	4	8	7	1	1	1	1	7	22	7	2	2	1	0	0	0	0	0	20	0	3	0
August	2.8	E.	26	S.	0	2	1	11	5	2	0	1	0	9	19	9	3	4	1	0	0	0	0	0	21	0	6	0
September	2.2	E.	20	NW.	0	2	1	2	2	1	3	4	1	14	10	8	12	6	4	0	0	0	0	0	3	0	2	0
October	1.9	E.	23	SW.	0	1	1	10	3	0	1	5	1	9	9	7	15	6	6	0	0	0	0	0	0	5	0	0
November	1.7	E.	23	W.	0	2	3	6	6	2	4	0	1	6	4	8	18	7	4	5	1	0	2	0	0	18	0	0
December	3.4	E.	15	W.	0	2	1	19	2	0	0	1	2	4	6	9	16	8	5	7	3	0	1	4	0	28	0	0
Year	2.9	E.	27	NW.	0	18	24	134	47	17	18	23	11	73	120	105	140	96	64	30	17	3	3	25	50	95	21	1

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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	12.7	SW.	33	S.	1	2	2	1	3	7	9	2	5	0	7	8	16	16	11	9	5	0	2	10	0	21	0	0
February	13.2	SW.	40	W.	2	1	0	2	2	6	9	4	4	0	11	6	11	10	9	3	1	0	0	1	0	14	1	0
March	15.1	SW.	40	W.	3	1	2	3	2	1	11	8	3	0	12	10	9	12	9	9	6	0	0	2	0	20	0	0
April	12.0	S.	37	NW.	3	4	0	4	2	7	6	4	3	0	15	13	2	11	7	0	0	0	1	0	0	0	1	0
May	11.0	SW.	32	SW.	0	1	1	3	6	6	8	5	1	0	14	9	8	8	7	0	0	2	0	0	0	0	5	0
June	10.0	SW.	37	NW.	1	1	2	2	1	7	7	7	2	1	19	9	2	5	5	0	0	1	0	0	5	0	6	0
July	10.0	SW.	27	E.	0	1	5	7	2	3	7	5	1	0	21	9	1	5	4	0	0	0	0	0	18	0	8	0
August	9.1	NE.	54	NW.	1	3	8	5	0	2	5	6	2	0	14	12	5	11	10	0	0	0	0	0	11	0	7	0
September	9.7	SW.	50	NW.	3	1	2	9	0	6	9	3	0	0	11	8	11	7	5	0	0	0	0	0	3	0	3	0
October	9.9	E.	36	S.	1	2	2	7	4	5	3	3	5	0	15	9	7	5	4	2	0	0	0	0	0	6	0	0
November	11.8	S.	36	SW.	2	3	0	1	5	9	5	6	1	0	11	8	11	11	7	4	3	0	1	3	0	11	0	0
December	11.1	SW.	27	NW.	0	1	2	4	2	5	9	2	6	0	10	7	14	9	7	9	4	0	2	8	0	23	0	0
Year	11.3	SW.	54	NW.	17	21	26	48	20	64	88	55	33	1	160	108	97	110	85	36	19	3	6	24	37	95	31	0

LINCOLN, NEBR.

[H_b=1,189 ft.; h_t=11 ft.; h_r=4 ft.; h_a=81 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	9.1	N.	29	NW.	0	18	3	3	2	16	4	7	9	0	13	6	12	9	7	13	9	0	0	23	0	30	0	0
February	8.9	S.	32	NW.	0	8	2	2	4	21	3	6	10	0	7	13	8	4	2	3	1	0	1	2	0	14	0	0
March	11.8	NW.	34	NW.	1	10	4	3	6	11	1	7	20	0	15	9	7	5	4	7	0	0	0	2	0	22	2	0
April	8.6	E.	31	NW.	0	9	7	12	6	15	2	4	5	0	8	8	14	12	7	0	0	0	0	0	1	2	7	0
May	10.1	S.	36	N.	1	12	6	2	4	22	1	8	6	1	9	10	12	12	9	0	0	0	0	0	0	0	6	0
June	8.8	S.	27	S.	0	7	3	7	12	19	3	4	5	0	11	12	7	8	6	0	0	2	0	0	4	0	7	0
July	8.3	S.	32	W.	0	7	6	3	5	33	4	1	1	2	13	13	5	6	5	0	0	1	0	0	22	0	6	0
August	6.5	E.	29	NW.	0	3	9	19	13	7	3	2	4	2	3	18	10	15	12	0	0	0	0	0	11	0	10	0
September	7.7	S.	34	NW.	2	6	8	13	7	13	1	8	4	0	13	10	7	5	3	0	0	0	1	0	1	0	6	0
October	8.8	S.	34	W.	1	10	0	2	13	15	8	3	11	0	12	8	11	5	2	2	0	0	0	0	0	11	0	0
November	10.5	E.	51	NW.	3	9	2	3	9	18	3	8	8	0	13	10	7	4	4	2	1	0	1	2	0	13	1	0
December	7.6	W.	28	NW.	0	12	1	3	1	13	7	14	11	0	8	10	13	4	1	8	3	0	1	3	0	28	0	0
Year	8.9	S.	51	NW.	8	111	51	72	82	203	40	72	94	5	125	127	113	89	62	35	14	3	4	32	39	120	45	0

LITTLE ROCK, ARK.

[H_b=357 ft.; h_t=136 ft.; h_r=129 ft.; h_a=153 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	7.9	N.	26	N.	0	25	7	8	4	3	3	2	10	0	9	5	17	14	12	2	2	0	3	8	0	20	3	0
February	9.0	SW.	31	N.	0	7	4	8	5	14	11	2	5	0	9	9	10	9	7	0	0	0	1	0	0	1	2	0
March	9.1	NW.	32	NW.	0	6	3	4	4	7	12	8	18	0	12	7	12	7	2	1	0	0	0	0	0	3	5	0
April	7.6	S.	22	S.	0	10	3	15	4	16	5	4	3	0	10	9	11	4	2	0	0	0	1	0	0	0	1	0
May	7.3	S.	29	E.	0	8	7	8	8	17	9	2	3	0	13	5	13	14	12	0	0	0	0	0	0	0	12	0
June	6.9	S.	26	N.	0	9	6	3	5	15	12	4	6	0	21	6	3	2	2	0	0	0	0	0	13	0	2	0
July	6.8	SW.	20	N.	0	4	6	7	6	6	21	3	8	1	17	12	2	1	0	0	0	0	0	0	26	0	7	0
August	6.2	E.	28	SW.	0	6	11	11	8	8	10	5	2	1	19	7	5	6	5	0	0	0	0	0	20	0	8	0
September	6.2	S.	39	NW.	1	5	9	10	4	16	6	4	5	1	9	12	9	9	7	0	0	0	0	0	10	0	8	0
October	6.6	E.	24	N.	0	15	5	19	1	6	6	4	3	3	16	5	10	5	4	0	0	0	3	0	0	0	1	0
November	7.9	SW.	32	NW.	0	11	6	8	7	9	8	2	9	0	13	8	9	9	8	1	0	0	3	0	0	3	1	0
December	6.9	NW.	24	NE.	0	12	4	5	4	4	8	8	17	0	13	4	14	7	5	2	0	0	2	0	0	15	0	0
Year	7.4	SW.	39	NW.	1	118	71	106	60	121	111	48	89	6	161	89	115	87	66	6	2	0	13	8	69	42	50	0

Annual meteorological summary for the year ending December 31, 1930—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.	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	29.667	29.960	29.320	50.7	60.2	58.7	63.3	48.6	56.0	78	36	38	39	42	65	52	58	0.236	0.248	0.274	5.57	1.30	4.3	5.9	5.3	5.8
February	29.694	29.930	29.491	53.1	65.4	62.3	68.5	50.4	59.4	89	43	43	42	45	74	47	58	.289	.272	.308	.45	.36	4.2	2.6	2.4	3.0
March	29.611	29.880	29.258	54.5	66.4	63.6	69.0	52.6	60.8	89	41	44	43	45	71	48	56	.294	.264	.309	3.99	2.40	5.2	4.9	4.1	4.7
April	29.617	29.840	29.370	56.6	69.9	67.0	72.1	55.1	63.6	87	50	49	49	51	78	50	59	.356	.357	.382	.15	.12	4.2	3.6	2.6	3.9
May	29.596	29.750	29.375	54.5	67.8	65.9	70.4	53.2	61.8	88	47	47	48	47	78	51	52	.332	.340	.326	1.04	.91	4.2	3.5	2.4	3.4
June	29.543	29.710	29.370	60.1	72.9	71.3	75.9	59.2	67.6	89	54	55	56	57	84	57	61	.437	.453	.464	T.	T.	6.5	3.6	1.7	3.8
July	29.551	29.730	29.394	64.1	80.6	77.4	83.0	62.5	72.8	98	58	57	58	56	80	48	50	.470	.487	.455	0	0	5.7	1.5	1.7	2.7
August	29.583	29.740	29.460	66.2	80.5	77.2	82.6	65.1	73.8	93	62	59	59	60	79	51	56	.500	.509	.510	0	0	5.3	1.9	1.1	2.7
September	29.583	29.760	29.422	61.5	73.6	70.2	75.8	60.0	67.9	93	55	56	56	57	83	56	63	.453	.459	.463	.01	.01	5.8	3.4	2.0	4.0
October	29.552	29.780	29.320	60.7	76.9	71.3	78.9	58.5	68.7	94	53	46	44	48	65	39	52	.328	.317	.362	.10	.10	2.4	1.7	0.5	1.6
November	29.664	29.950	29.317	59.2	73.2	67.7	75.8	56.5	66.2	92	43	37	36	42	50	32	43	.237	.233	.279	1.71	.75	2.4	2.2	1.7	2.0
December	29.736	29.970	29.550	52.5	67.5	63.7	70.7	49.5	60.1	81	40	27	29	39	40	27	45	.158	.177	.254	0	0	.6	1.9	1.7	2.0
Year	29.616	29.970	29.258	57.8	71.2	68.0	73.8	55.9	64.9	98	36	46	47	49	71	46	54	.341	.345	.366	13.02	2.40	4.2	3.1	2.3	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.	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	29.661	30.160	29.050	29.4	34.8	34.7	40.3	24.7	32.5	66	−8	25	26	27	83	68	73	0.167	0.165	0.167	5.95	1.32	7.0	6.4	5.6	6.0
February	29.528	29.900	29.030	40.8	48.2	48.3	53.9	38.0	46.0	74	15	32	34	35	72	59	62	.196	.212	.224	3.86	2.14	6.4	6.3	4.7	5.0
March	29.342	29.780	28.640	37.2	47.3	46.6	52.7	34.1	43.4	71	19	29	29	32	71	50	58	.169	.174	.186	1.62	.71	4.2	5.6	3.6	4.8
April	29.482	29.850	28.970	52.0	65.8	63.4	69.9	49.1	59.5	89	36	40	39	42	66	38	48	.266	.254	.286	.64	.48	4.0	5.0	4.1	4.3
May	29.476	29.870	29.180	62.1	72.6	70.8	76.6	57.8	67.2	88	48	52	52	53	71	51	56	.399	.400	.415	1.46	.44	4.2	5.6	4.0	4.3
June	29.421	29.770	29.120	68.7	79.5	79.4	83.7	63.7	73.7	97	49	57	55	57	69	46	48	.485	.454	.484	1.77	.80	3.2	4.7	3.5	3.6
July	29.428	29.660	29.130	73.8	86.6	87.9	92.3	70.5	81.4	107	55	60	58	59	62	39	39	.523	.497	.514	.25	.12	3.8	3.6	3.4	3.5
August	29.466	29.730	29.270	69.0	84.7	82.5	88.9	66.6	77.8	102	57	59	54	55	71	38	43	.505	.438	.451	1.20	.79	3.6	4.0	4.2	4.4
September	29.452	29.680	29.120	65.1	76.9	74.3	81.1	62.7	71.9	94	50	59	57	58	82	54	60	.521	.502	.513	2.35	.81	5.2	5.8	4.1	5.3
October	29.550	29.980	29.200	48.8	61.2	59.5	65.3	47.4	56.4	85	31	42	40	42	77	48	53	.288	.278	.295	.80	.27	4.9	3.8	2.6	4.1
November	29.587	30.140	28.917	41.4	51.5	49.7	54.9	38.6	46.8	78	8	35	36	35	78	58	59	.234	.245	.230	2.11	.64	5.6	5.0	4.0	5.0
December	29.556	30.050	29.170	32.0	37.2	36.7	40.4	28.8	34.6	59	15	26	28	28	80	68	71	.150	.154	.158	1.87	.98	6.3	6.9	6.6	6.7
Year	29.496	30.160	28.640	51.7	62.2	61.2	66.7	48.5	57.6	107	−8	43	42	44	74	51	56	.325	.314	.327	23.88	2.14	4.9	5.2	4.2	4.8

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.	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	29.421	30.010	28.610	19.6	20.5	20.9	25.1	15.4	20.2	42	0	16	16	16	84	80	81	0.094	0.092	0.093	2.04	0.34	7.8	7.6	7.9	7.7
February	29.262	29.740	28.740	26.4	30.0	29.9	34.9	22.7	28.8	59	−1	24	25	26	89	81	84	.138	.144	.148	2.51	.61	7.5	6.8	6.2	7.0
March	29.139	29.890	28.500	28.0	32.0	31.5	36.7	24.5	30.6	54	14	24	25	25	82	74	77	.128	.136	.139	1.84	.62	5.4	4.5	5.5	5.2
April	29.329	29.620	28.850	39.4	46.2	44.9	51.5	35.5	43.5	75	23	32	34	34	76	63	66	.190	.202	.204	3.46	1.40	5.1	4.6	3.8	4.5
May	29.284	29.810	28.770	51.5	55.2	56.2	61.8	45.4	53.6	86	35	44	45	44	76	70	68	.298	.311	.308	1.51	.60	4.9	4.7	3.9	4.6
June	29.206	29.460	28.820	58.2	61.7	62.5	69.2	52.9	61.0	83	43	52	54	53	82	77	73	.402	.427	.414	2.29	.84	4.6	4.5	4.1	4.4
July	29.274	29.520	28.850	63.8	68.1	69.7	74.3	58.5	66.4	87	46	57	57	58	80	70	67	.474	.478	.485	1.50	.84	3.6	2.1	3.2	2.8
August	29.348	29.648	29.100	64.0	71.0	70.6	75.6	59.5	67.6	87	49	57	59	58	79	67	66	.478	.511	.492	.98	.45	2.8	3.0	3.0	2.8
September	29.254	29.640	28.610	58.7	64.6	63.8	68.4	54.1	61.2	80	43	51	51	51	75	63	64	.391	.400	.394	2.21	1.61	4.1	4.1	2.7	3.5
October	29.376	29.790	28.950	44.8	51.2	49.4	53.8	42.2	48.0	75	26	39	42	41	82	70	73	.265	.291	.282	2.62	1.29	6.7	6.4	5.6	6.2
November	29.328	29.880	28.610	39.1	42.8	42.1	47.0	35.3	41.2	69	12	33	35	35	79	75	75	.202	.221	.222	1.59	.48	6.4	7.3	5.8	6.8
December	29.327	29.940	28.780	27.4	30.1	29.5	33.5	23.8	28.6	46	8	23	24	24	82	78	80	.125	.132	.134	1.03	.36	8.2	8.4	8.2	8.5
Year	29.296	30.010	28.500	43.4	47.8	47.6	52.6	39.2	45.9	87	−1	38	39	39	80	72	73	.265	.279	.276	23.58	1.61	5.6	5.3	5.0	5.3

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.	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	29.501	30.040	29.060	34.4	41.6	41.4	48.5	30.0	39.2	74	7	27	30	31	73	63	67	0.167	0.182	0.195	2.77	0.91	6.6	6.3	5.1	6.1
February	29.370	29.770	28.800	37.8	49.7	49.2	57.4	34.3	45.8	81	17	27	30	30	64	48	50	.159	.183	.182	.95	.71	4.0	4.3	2.0	4.2
March	29.135	29.749	28.450	39.2	49.3	48.8	56.3	34.6	45.4	73	18	27	25	30	59	41	49	.153	.147	.174	2.26	1.75	4.0	4.6	2.9	4.4
April	29.317	29.738	28.550	50.4	61.0	60.5	67.3	45.3	56.3	92	29	38	38	41	66	46	53	.246	.244	.274	1.45	.78	5.0	4.8	4.8	5.2
May	29.309	29.650	28.900	63.4	74.4	71.7	80.2	56.5	68.4	92	45	52	50	54	67	44	55	.397	.371	.429	1.75	.81	3.5	3.5	3.9	4.4
June	29.285	29.700	28.880	68.8	79.6	77.0	84.4	61.0	72.7	98	44	58	55	58	70	45	55	.495	.443	.494	2.57	1.00	3.6	3.6	3.7	4.1
July	29.244	29.540	28.980	75.4	86.6	83.3	92.1	68.9	80.5	102	57	62	58	61	65	40	50	.569	.499	.555	.90	.70	3.1	3.7	4.0	3.8
August	29.311	29.640	29.090	69.2	82.5	78.1	87.8	63.0	75.4	101	49	58	56	58	68	42	53	.492	.459	.501	.42	.19	2.9	3.6	4.5	4.7
September	29.300	29.595	28.930	67.6	81.1	76.6	85.2	63.8	74.5	96	51	59	57	60	76	47	58	.510	.488	.527	.90	.56	3.6	3.8	4.8	4.0
October	29.378	29.755	29.000	48.0	62.1	57.6	67.0	44.3	55.6	83	26	40	40	44	73	46	60	.265	.270	.304	.62	.26	4.2	3.9	3.9	4.4
November	29.465	30.040	28.750	40.8	49.9	46.9	54.2	37.7	46.0	74	14	34	35	38	75	60	71	.222	.239	.282	2.44	1.14	5.6	5.5	5.3	5.8
December	29.344	29.809	28.920	32.5	39.8	38.2	43.9	29.1	36.5	65	14	23	25	28	66	56	66	.128	.141	.158	2.80	1.42	4.9	5.0	5.6	5.4
Year	29.330	30.040	28.450	52.3	63.1	60.8	68.7	47.4	58.0	102	7	42	42	44	68	48	57	.317	.306	.337	19.83	1.75	4.2	4.4	4.1	4.7

Annual meteorological summary for the year ending December 31, 1930—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	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 33 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: Thunderstorm	Electricity: Aurora
	Miles		*Mi.*																									
January	5.1	NE.	30	NE.	0	7	20	7	3	4	7	10	3	1	9	9	13	9	9	0	0	1	0	0	0	0	1	0
February	4.4	SW.	23	NW.	0	4	7	6	4	6	20	4	5	0	19	6	3	3	2	0	0	0	4	0	0	0	0	0
March	5.2	NE.	24	SE.	0	5	16	6	9	6	17	3	0	0	13	10	8	7	5	0	0	2	0	0	0	0	6	0
April	4.5	SW.	17	NE.	0	6	11	8	3	3	21	7	1	0	12	15	3	2	1	0	0	0	1	0	0	0	0	0
May	4.9	SW.	16	SW.	0	3	13	7	9	1	20	9	0	0	19	6	6	4	3	0	0	0	0	0	0	0	2	0
June	4.2	SW.	12	SW.	0	3	1	14	5	5	22	9	1	0	17	8	5	0	0	0	0	0	0	0	0	0	0	0
July	3.9	SW.	13	W.	0	1	2	9	7	4	26	9	3	1	21	8	2	0	0	0	0	0	0	0	7	0	0	0
August	3.8	SW.	12	W.	0	1	2	6	7	4	24	11	4	3	20	10	1	0	0	0	0	0	0	0	4	0	0	0
September	3.9	SW.	12	SW.	0	1	9	11	5	1	26	5	1	1	13	14	3	1	0	0	0	0	0	0	1	0	0	0
October	4.1	SW.	12	W.	0	10	10	5	4	3	14	15	1	0	25	5	1	1	1	0	0	0	1	0	5	0	1	0
November	5.1	NE.	30	NE.	0	9	14	5	3	4	8	15	2	0	23	3	4	7	7	0	0	0	0	0	4	0	0	0
December	4.4	NE.	13	NE.	0	15	15	0	3	3	9	15	2	0	25	5	1	0	0	0	0	0	0	0	0	0	0	0
Year	4.5	SW.	30	NE.	0	65	120	84	62	44	214	112	23	6	216	99	50	34	28	0	0	3	6	0	21	0	10	0

LOUISVILLE, KY.

[H_b=525 ft.; h_t=188 ft.; h_r=183 ft.; h_a=234 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	10.2	S.	33	S.	1	9	2	5	5	16	11	6	8	0	9	6	16	16	15	9	4	0	0	11	0	21	1	0
February	10.6	S.	44	NW.	2	5	1	4	7	16	9	9	5	0	7	11	10	8	5	1	1	0	0	0	0	9	2	0
March	12.3	SW.	38	SW.	4	4	5	2	1	14	21	7	8	0	11	12	8	7	7	6	3	0	0	2	0	12	0	0
April	9.7	SW.	36	NW.	1	8	4	7	10	7	12	3	9	0	11	14	5	8	3	0	0	0	0	0	0	0	3	0
May	8.9	S.	34	SW.	1	8	3	3	10	16	10	6	6	0	14	12	5	10	6	0	0	0	0	0	0	0	4	0
June	7.6	S.	35	NW.	1	7	3	1	10	19	6	4	10	0	13	13	4	9	6	0	0	1	0	0	5	0	3	0
July	8.2	N.	38	NW.	1	19	2	3	3	11	14	2	8	0	15	14	2	3	3	0	0	0	0	0	19	0	4	0
August	7.1	N.	62	NW.	1	22	10	6	2	8	8	2	3	1	10	19	2	8	4	0	0	0	1	0	11	0	4	0
September	7.2	S.	49	W.	1	18	2	4	6	17	7	1	5	0	9	13	8	9	5	0	0	0	0	0	3	0	6	0
October	7.3	N.	30	NW.	0	15	8	3	7	5	11	4	7	2	14	8	9	6	5	1	0	0	0	0	0	2	0	0
November	9.3	SE.	31	NW.	0	5	1	8	15	15	7	5	4	0	12	5	13	13	11	4	4	0	1	3	0	10	0	0
December	9.0	SW.	32	NW.	0	4	5	3	9	12	10	11	8	0	6	9	16	8	4	8	2	0	0	4	0	20	0	0
Year	9.0	S.	62	NW.	13	124	46	49	85	156	126	60	81	3	131	136	98	105	74	29	14	1	2	20	38	74	27	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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	10.9	W.	40	SW.	1	4	8	7	3	6	5	21	8	0	3	10	18	21	14	22	19	0	0	24	0	30	0	0
February	9.7	S.	35	W.	1	4	3	10	8	16	3	6	6	0	5	6	17	15	11	17	12	0	2	14	0	22	3	0
March	11.0	NW.	29	NW.	0	14	4	6	5	10	3	8	12	0	12	8	11	11	7	13	8	0	0	6	0	29	0	1
April	9.2	N.	31	NW.	0	16	5	12	3	13	3	3	4	1	13	12	5	11	8	4	2	0	1	0	0	11	2	4
May	9.2	S.	32	S.	0	8	1	7	5	22	7	7	4	1	12	11	8	10	6	1	0	0	0	0	0	0	6	6
June	9.6	S.	43	W.	1	8	1	2	2	28	4	9	6	0	11	16	3	12	9	0	0	0	0	0	0	0	6	3
July	7.9	S.	27	N.	0	13	1	1	6	25	6	3	7	0	19	11	1	7	5	0	0	0	0	0	0	0	9	3
August	7.0	S.	26	S.	0	11	4	8	6	17	6	7	3	0	20	10	1	5	4	0	0	0	0	0	0	0	1	0
September	10.2	S.	49	SW.	1	10	3	7	2	19	1	12	6	0	15	12	3	7	6	0	0	0	0	0	0	0	5	2
October	8.7	W.	30	W.	0	9	2	10	9	9	2	14	7	0	8	8	15	10	7	6	2	0	0	0	0	4	0	1
November	12.5	SE.	38	SW.	3	4	1	5	18	9	7	9	7	0	8	3	19	13	10	11	9	0	1	4	0	10	1	0
December	9.7	W.	34	SW.	2	7	3	13	8	1	6	18	5	1	1	7	23	14	9	23	12	0	0	13	0	24	0	0
Year	9.6	S.	49	SW.	9	108	36	88	75	175	53	117	75	3	127	114	124	136	96	97	64	0	4	61	0	130	33	20

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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	5.7	W.	24	NW.	0	5	9	6	1	4	8	15	13	1	6	12	13	14	12	6	5	0	2	1	0	20	1	0
February	6.5	W.	29	NW.	0	8	2	1	2	7	11	14	10	1	13	9	6	7	4	1	1	0	0	0	0	11	0	0
March	8.3	W.	37	W.	2	7	2	4	4	4	10	18	10	3	13	13	5	4	4	1	0	0	0	0	0	10	0	0
April	7.2	NW.	32	NW.	0	8	5	10	2	7	6	10	12	0	11	8	11	6	4	0	0	0	1	0	2	1	2	0
May	6.5	W.	30	SW.	0	9	4	6	4	4	13	13	9	0	14	11	6	8	7	0	0	0	0	0	3	0	5	0
June	5.5	W.	42	NW.	1	12	4	3	3	9	11	10	7	1	15	10	5	7	7	0	0	0	0	0	6	0	2	0
July	5.3	W.	40	NE.	2	11	5	7	7	5	9	12	6	0	14	15	2	6	3	0	0	0	0	0	20	0	4	0
August	4.8	N.	26	SW.	0	11	6	6	3	5	8	11	9	3	13	14	4	9	3	0	0	0	0	0	14	0	7	0
September	4.7	W.	32	W.	0	9	4	6	4	6	7	19	4	1	15	10	5	7	3	0	0	0	1	0	12	0	0	0
October	4.7	W.	30	N.	0	13	6	12	3	2	5	9	11	1	14	10	7	7	4	1	0	0	1	0	0	4	2	0
November	5.1	W.	30	NE.	0	4	6	5	5	5	7	10	12	6	11	5	14	9	8	2	0	0	0	1	0	13	0	0
December	6.3	W.	35	NW.	1	8	8	5	2	1	8	11	18	1	12	10	9	6	6	3	2	0	0	1	0	20	0	0
Year	5.9	W.	42	NW.	6	105	61	71	40	59	103	152	121	18	151	127	87	90	65	14	8	0	5	3	57	70	23	0

Annual meteorological summary for the year ending December 31, 1930—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	29.827	30.260	29.470	41.2	52.9	50.7	57.5	37.4	47.4	74	22	36	37	38	83	58	64	0.240	0.253	0.263	4.27	1.67	6.4	6.0	3.5	5.8
February	29.761	30.050	29.330	43.1	59.9	58.6	65.4	40.6	53.0	82	27	38	36	37	81	44	47	.242	.241	.236	2.04	1.14	3.1	3.1	2.3	3.0
March	29.574	29.890	28.950	46.2	56.5	55.9	61.9	43.1	52.5	74	28	39	35	36	76	49	52	.257	.235	.238	4.80	1.73	6.5	5.3	4.9	5.5
April	29.666	30.070	29.320	57.8	72.5	70.8	76.9	52.9	64.9	88	40	48	44	46	71	40	44	.356	.316	.325	4.19	2.63	5.4	5.1	4.7	5.0
May	29.672	29.890	29.330	69.0	80.7	77.0	84.9	62.9	73.9	91	52	60	56	57	73	46	52	.524	.474	.479	1.05	.45	5.4	5.1	5.5	5.0
June	29.610	29.960	29.280	72.9	83.7	80.2	87.9	66.2	77.0	101	50	63	59	60	73	46	54	.594	.520	.543	1.58	.41	4.7	4.9	5.9	4.7
July	29.611	29.810	29.390	77.0	88.6	82.9	93.0	71.5	82.2	104	65	70	67	69	79	52	66	.721	.665	.712	10.00	4.12	4.9	5.0	5.6	5.0
August	29.638	29.850	29.380	72.2	85.6	81.1	89.6	67.6	78.6	98	58	66	63	65	81	48	60	.645	.583	.632	1.71	.95	4.8	4.8	4.2	4.1
September	29.636	29.891	29.470	71.6	83.4	78.2	87.0	68.5	77.8	94	56	68	67	68	89	59	72	.702	.667	.690	2.30	.99	7.6	7.1	5.8	6.7
October	29.704	30.080	29.410	54.1	70.2	64.5	73.0	50.5	61.8	85	35	47	44	48	77	42	57	.345	.324	.364	2.87	2.66	3.2	3.4	3.2	3.2
November	29.800	30.250	29.340	47.8	58.8	55.3	62.0	45.5	53.8	79	26	41	42	44	79	56	67	.299	.306	.322	6.60	2.18	3.8	6.4	5.8	3.2
December	29.736	30.180	29.460	38.7	48.6	45.8	51.6	36.0	43.8	69	26	33	33	34	80	56	64	.199	.197	.198	2.71	.84	5.7	5.5	5.7	5.8
Year	29.686	30.260	28.950	57.6	70.1	66.8	74.2	53.6	63.9	104	22	51	49	50	78	50	58	.427	.398	.417	44.12	4.12	5.1	5.1	4.8	4.8

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	29.090	29.630	28.260	8.5	13.7	13.7	19.3	3.4	11.4	45	−24	5	8	9	84	77	80	0.063	0.072	0.071	1.86	0.60	5.5	4.9	5.7	5.3
February	28.904	29.440	28.440	26.9	33.1	32.9	37.7	22.3	30.0	60	−11	23	25	28	84	72	80	.135	.146	.162	.78	.56	6.5	6.0	6.6	6.3
March	28.817	29.450	28.400	26.5	34.2	35.3	41.3	24.5	32.9	70	6	20	21	24	76	59	62	.111	.118	.131	1.29	.62	5.3	4.8	4.9	4.9
April	28.969	29.230	28.580	39.9	50.6	52.1	56.6	38.3	47.4	89	26	32	33	34	74	54	54	.191	.204	.216	2.95	.98	4.5	4.9	5.7	4.8
May	28.925	29.400	28.410	53.4	62.4	62.2	67.3	49.0	58.2	83	36	46	47	47	77	59	59	.332	.342	.336	4.23	1.72	6.5	6.3	4.8	5.8
June	28.880	29.130	28.530	63.3	71.7	71.0	76.4	59.1	67.8	90	48	56	56	57	77	60	64	.451	.469	.479	6.60	1.41	5.9	5.5	5.5	5.4
July	28.947	29.183	28.598	67.1	77.2	78.8	82.3	63.4	72.8	97	51	58	59	60	72	54	54	.488	.508	.533	2.84	1.58	4.5	4.0	3.8	3.9
August	29.012	29.280	28.740	65.4	77.9	76.7	81.7	63.3	72.5	94	55	57	56	56	76	48	51	.481	.456	.463	1.58	.79	4.5	[illegible]	4.8	4.6
September	28.916	29.290	28.220	57.0	69.2	66.3	73.0	54.5	63.8	87	36	50	49	49	77	51	56	.376	.376	.376	4.79	2.17	3.5	2.6	4.3	3.7
October	29.020	29.490	28.591	43.7	52.0	49.5	55.2	41.0	48.1	82	21	40	40	39	85	[illegible]	68	.275	.280	.280	1.63	1.06	5.1	6.1	4.7	5.8
November	28.973	29.520	28.160	34.3	42.6	40.7	47.6	30.3	39.0	70	−4	30	31	31	84	65	70	.189	.195	.200	.65	.36	5.2	4.4	3.9	4.8
December	28.993	29.600	28.520	22.3	26.2	25.1	30.3	18.5	24.4	50	−2	20	21	21	91	80	83	.113	.118	.116	.68	.37	6.3	6.5	5.8	6.7
Year	28.954	29.630	28.160	42.4	50.9	50.4	55.7	39.0	47.4	97	−24	36	37	38	80	62	65	.267	.274	.280	29.88	2.17	5.3	5.1	5.0	5.2

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	29.294	29.920	28.649	10.6	15.5	13.2	19.9	6.7	13.3	41	−15	7	10	9	83	76	81	0.065	0.072	0.067	2.23	0.97	8.5	7.9	6.0	7.5
February	29.138	29.620	28.610	19.2	24.6	23.2	29.7	14.0	21.8	62	−13	16	18	18	86	75	81	.101	.108	.106	1.56	.44	8.1	8.2	7.0	7.9
March	29.045	29.764	28.450	23.2	28.1	26.5	33.7	19.0	26.4	55	4	18	20	21	79	70	79	.099	.109	.112	1.76	.80	6.6	6.2	4.9	6.3
April	29.235	29.510	28.810	37.4	42.7	41.2	47.9	32.0	40.0	79	22	28	31	32	68	64	71	.154	.179	.186	1.34	.66	5.5	5.2	6.2	5.9
May	29.154	29.720	28.520	50.3	56.0	53.2	61.5	42.4	52.0	88	31	40	43	42	70	63	68	.266	.293	.288	2.45	.84	6.0	6.4	6.5	6.5
June	29.062	29.370	28.620	60.0	65.6	63.3	72.8	52.5	62.6	89	40	50	52	53	72	65	72	.375	.400	.418	5.62	1.18	5.4	6.2	6.3	6.4
July	29.155	29.400	28.880	64.3	67.9	65.4	74.2	56.7	65.4	90	46	56	59	58	77	75	78	.460	.512	.487	1.41	.66	3.6	6.0	5.2	5.4
August	29.242	29.552	28.830	65.2	72.5	68.6	77.2	59.0	68.1	95	51	56	59	60	73	64	74	.454	.511	.517	1.16	.34	2.2	4.6	3.5	3.8
September	29.105	29.570	28.300	54.8	62.8	58.3	67.7	49.8	58.8	83	39	47	50	47	74	66	68	.334	.382	.341	3.63	2.21	5.9	6.9	6.0	6.6
October	29.231	29.660	28.720	42.9	49.7	45.9	53.1	40.4	46.8	82	25	38	41	40	82	72	80	.248	.279	.268	1.75	.40	6.8	7.5	7.5	7.8
November	29.168	29.710	28.360	34.2	39.5	37.5	44.2	30.9	37.6	64	2	28	30	31	79	70	76	.167	.185	.187	1.98	.50	7.4	8.1	6.4	8.1
December	29.192	29.840	28.580	22.8	26.3	24.3	29.9	19.4	24.6	48	−3	19	20	20	85	77	82	.107	.113	.108	1.97	.77	8.6	8.8	7.3	8.5
Year	29.168	29.920	28.300	40.4	45.9	43.4	51.0	35.2	43.1	95	−15	34	36	36	77	70	76	.236	.262	.257	26.86	2.21	6.2	6.8	6.1	6.7

MEDFORD, OREG.

[ϕ=42° 23′ N.; λ=122° 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	28.500	28.960	27.930	27.9	34.0	35.8	38.8	23.6	31.2	58	−3	26	30	32	94	85	85	0.149	0.169	0.183	2.45	0.68	7.2	7.9	7.4	8.3
February	28.551	28.860	27.860	39.3	47.4	51.5	53.4	36.1	44.8	68	29	38	41	43	95	80	74	.233	.261	.285	1.59	.52	7.7	8.1	7.6	8.6
March	28.510	28.900	27.890	38.1	55.3	61.4	63.5	35.3	49.4	86	25	35	43	44	89	66	56	.208	.282	.292	.49	.27	4.5	4.7	5.4	4.5
April	28.564	28.850	28.200	43.2	60.7	64.0	67.3	41.4	54.4	78	32	40	41	40	88	50	45	.247	.266	.254	1.09	.37	6.1	7.2	6.4	7.4
May	28.586	28.990	28.330	43.8	61.0	64.1	67.2	41.5	54.4	85	32	40	40	38	86	47	41	.246	.250	.227	.82	.25	5.6	6.5	7.0	7.0
June	28.582	28.790	28.270	48.5	72.7	78.0	80.8	47.6	64.2	99	39	43	41	42	82	33	30	.277	.261	.251	.12	.06	3.5	2.1	2.9	3.0
July	28.585	28.810	28.410	54.9	81.5	87.1	89.0	54.0	71.5	99	47	46	47	45	71	30	23	.308	.324	.299	T.	T.	1.4	1.4	2.2	1.8
August	28.578	28.770	28.370	56.4	80.5	87.0	88.6	54.9	71.8	101	48	48	49	45	73	34	24	.334	.356	.303	T.	T.	2.5	1.1	2.2	2.0
September	28.548	28.880	28.290	50.1	70.6	75.0	78.2	47.7	63.0	97	35	45	47	44	84	46	40	.304	.328	.292	1.58	.43	3.5	4.2	4.0	4.1
October	28.637	28.950	28.210	40.3	60.9	66.9	69.3	37.7	53.5	83	27	38	40	40	91	48	40	.231	.251	.251	.30	.12	3.4	3.7	4.1	4.5
November	28.723	29.240	27.840	33.7	47.8	52.4	56.0	30.6	43.3	74	22	32	36	36	93	65	59	.181	.211	.219	2.17	1.66	4.3	4.7	5.8	4.2
December	28.798	29.110	28.180	30.7	39.4	41.6	44.5	28.0	36.2	60	16	30	34	36	97	80	80	.168	.194	.210	1.06	.43	4.9	5.3	5.5	3.1
Year	28.597	29.240	27.840	42.2	59.3	63.7	66.4	39.9	53.1	101	−3	38	41	40	87	55	50	.240	.263	.256	11.67	1.66	4.6	4.8	5.1	4.5

Annual meteorological summary for the year ending December 31, 1930—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 33 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: Thunderstorm	Electricity: Aurora
	Miles		*Mi.*																									
January	5.7	NW.	27	NE.	0	9	12	7	1	7	1	3	17	5	9	8	14	9	8	2	0	0	5	0	0	12	2	0
February	5.2	S.	22	NW.	0	13	4	4	4	8	8	4	6	5	18	6	4	4	3	0	0	0	2	0	0	4	2	0
March	6.9	W.	25	S.	0	2	8	1	2	9	13	13	12	2	11	4	16	14	11	1	0	0	1	0	0	2	2	0
April	5.2	NW.	23	N.	0	7	4	9	6	8	8	3	13	2	12	9	9	7	6	0	0	0	0	0	0	0	2	0
May	4.9	S.	19	W.	0	10	9	3	8	16	5	6	4	1	13	7	11	8	6	0	0	0	0	0	3	0	2	0
June	5.2	E.	28	SE.	0	6	4	15	8	10	7	1	8	1	12	8	10	11	8	0	0	0	0	0	12	0	9	0
July	4.8	S.	29	NE.	0	5	1	0	3	16	18	12	6	1	12	12	7	14	13	0	0	1	1	0	23	0	16	0
August	4.0	SW.	21	NW.	0	10	5	10	4	11	11	1	7	3	13	12	6	6	5	0	0	0	0	0	15	0	3	0
September	3.9	S.	16	S.	0	7	8	11	1	17	6	4	5	1	4	14	12	10	10	0	0	0	2	0	10	0	6	0
October	5.3	NW.	18	NW.	0	13	12	7	1	5	2	2	18	2	18	8	5	4	3	0	0	0	0	0	0	0	0	0
November	5.7	NE.	25	NW.	0	12	16	6	1	7	3	2	10	3	9	3	18	11	9	1	0	0	3	0	0	5	2	0
December	5.8	NW.	19	NW.	0	11	8	5	1	2	5	7	23	0	11	5	15	9	7	0	0	0	2	0	0	11	0	0
Year	5.2	NW.	29	NE.	0	105	91	78	40	116	87	58	129	26	142	96	127	107	89	4	0	1	16	0	63	34	46	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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	7.3	W.	27	N.	0	9	1	1	4	6	13	13	15	0	14	4	13	12	7	20	11	0	0	26	0	31	0	4
February	8.1	S.	26	W.	0	0	3	2	9	14	9	8	11	0	6	9	13	8	2	12	6	0	3	8	0	22	3	1
March	10.1	NW.	34	NE.	2	11	6	1	8	4	7	9	16	0	13	8	10	7	5	13	7	0	0	5	0	30	0	7
April	8.5	NW.	28	NW.	0	8	7	9	9	6	6	2	13	0	15	4	11	10	7	1	1	0	2	0	0	6	3	6
May	8.2	SE.	29	W.	0	1	4	3	12	11	11	11	9	0	8	11	12	14	11	0	0	0	0	0	0	0	6	8
June	7.3	NW.	24	SW.	0	4	2	0	3	14	10	12	15	0	8	13	9	15	12	0	0	1	0	0	1	0	11	5
July	6.2	SW.	30	NW.	0	7	3	2	5	11	21	7	6	0	17	7	7	7	6	0	0	0	0	0	8	0	8	2
August	5.2	S.	15	E.	0	4	12	3	2	15	7	7	12	0	12	15	4	9	7	0	0	0	1	0	4	0	9	1
September	6.9	S.	23	S.	0	6	6	3	4	20	3	14	4	0	20	3	7	10	5	0	0	2	1	0	0	0	6	7
October	7.0	S.	24	W.	0	2	2	4	12	14	5	15	8	0	8	12	11	7	7	3	0	0	2	0	0	10	1	3
November	9.7	S.	26	SW.	0	5	0	0	9	18	12	9	7	0	13	7	10	7	5	5	3	0	3	4	0	12	0	1
December	7.6	NW.	24	NE.	0	7	7	2	5	11	5	11	14	0	7	6	18	9	5	13	6	0	3	20	0	28	0	0
Year	7.7	NW.	34	NE.	2	64	53	30	82	144	109	118	130	0	141	99	125	115	79	67	34	3	15	63	13	139	47	45

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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	9.5	W.	28	W.	0	2	3	0	8	6	10	24	9	0	4	7	20	16	10	21	16	0	0	27	0	31	0	0
February	8.7	W.	38	S.	1	2	3	4	9	13	6	14	4	1	3	10	15	16	12	17	16	0	0	16	0	26	1	0
March	10.5	NW.	37	NW.	2	3	1	4	12	3	3	15	21	0	8	8	15	13	7	18	12	0	1	14	0	30	0	0
April	9.2	NW.	35	S.	2	4	2	7	6	7	5	13	16	0	10	6	14	10	7	7	5	0	2	2	0	16	1	0
May	8.8	W.	37	NW.	1	0	1	8	11	6	8	13	12	3	5	12	14	14	7	2	2	0	1	0	0	2	5	0
June	9.3	W.	33	E.	1	0	1	8	6	10	7	8	18	2	7	7	16	14	11	0	0	1	3	0	0	0	9	0
July	7.6	W.	40	SW.	1	0	0	7	10	16	1	19	8	1	8	15	8	6	6	0	0	0	1	0	1	0	4	0
August	7.8	W.	25	S.	0	1	0	3	1	11	8	31	7	0	16	10	5	6	5	0	0	2	0	0	3	0	4	0
September	9.7	W.	31	SW.	0	3	2	1	5	8	7	25	9	0	6	9	15	15	10	0	0	1	3	0	0	0	2	0
October	9.6	W.	32	SW.	0	2	1	2	6	18	7	19	7	0	4	4	23	12	10	9	5	0	1	1	0	11	0	0
November	11.9	S.	34	S.	1	2	0	1	8	11	12	15	11	0	2	5	23	12	9	9	9	0	0	7	0	12	0	0
December	9.3	W.	34	SW.	1	3	0	2	3	8	8	27	11	0	3	2	26	17	7	20	17	0	0	21	0	29	0	0
Year	9.3	W.	40	SW.	10	22	14	47	85	117	82	223	113	7	76	95	194	151	101	103	82	4	12	88	4	157	26	0

MEDFORD, OREG.

[H_b=1,329 ft.; h_t=29 ft.; h_r=26 ft.; h_a=58 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	------	N.*	33	SE.	1	15	1	4	6	13	2	8	5	8	1	7	23	17	10	11	8	0	12	9	0	28	0	0
February	------	NW.	40	SE.	2	8	3	2	7	7	4	10	11	4	1	6	21	13	12	3	2	0	6	0	0	9	0	0
March	------	SE.	36	SE.	1	10	4	0	14	12	1	8	13	0	11	7	13	4	3	1	0	0	0	0	0	7	0	0
April	------	NW.	32	SE.	0	3	4	3	5	8	4	14	18	1	5	7	18	10	7	0	0	2	0	0	0	1	1	0
May	------	NW.	31	NW.	0	8	4	1	1	8	4	12	23	1	5	8	18	9	6	0	0	2	0	0	0	1	2	0
June	------	NW.	25	NW.	0	10	1	0	2	8	3	10	24	2	18	7	5	3	1	0	0	0	0	0	4	0	1	1
July	------	NW.	24	W.	0	8	0	0	0	6	7	16	26	4	25	5	1	0	0	0	0	0	0	0	14	0	2	0
August	------	W.	28	NW.	0	2	0	0	3	7	0	22	16	3	23	8	0	0	0	0	0	0	0	0	12	0	3	0
September	------	NW.	25	N.	0	6	3	0	0	10	7	12	16	6	16	6	8	11	7	0	0	0	0	0	8	0	1	0
October	------	S.	21	N.	0	3	2	4	4	15	9	10	7	8	11	14	6	5	4	0	0	0	0	0	0	5	0	0
November	------	S.	25	W.	0	9	6	1	2	11	8	10	9	4	7	13	10	6	5	2	0	0	7	0	0	22	0	0
December	------	NW.	32	SE.	0	8	2	2	2	14	2	10	17	5	2	7	22	12	6	3	1	0	13	0	0	21	0	0
Year	------	NW.	40	SE.	4	85	30	17	46	119	60	142	185	45	125	95	145	90	61	20	11	4	38	9	38	94	10	1

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1930—Continued

MEMPHIS, TENN.

[ϕ=35° 09′ 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: Extremes: Maximum	Temperature: Extremes: 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	29.812	30.310	29.190	33.6	37.7	37.8	43.2	29.2	36.2	69	−2	28	29	30	80	71	76	0.183	0.186	0.189	12.12	5.75	6.7	6.3	5.3	6.4
February	29.669	30.020	29.020	47.4	53.8	56.0	60.4	45.0	52.7	78	25	39	41	44	74	64	66	.262	.280	.306	4.78	2.22	5.2	5.4	4.9	5.0
March	29.534	30.010	28.770	45.5	53.6	54.8	59.4	43.0	51.2	72	26	35	37	39	68	55	58	.222	.240	.256	3.12	1.82	4.7	4.9	4.5	4.9
April	29.617	29.940	29.330	58.0	69.4	70.9	74.5	57.1	65.8	85	45	45	46	47	63	45	44	.312	.324	.339	1.45	.94	4.0	4.8	4.6	4.6
May	29.596	29.970	29.300	65.7	74.4	74.4	78.5	62.8	70.6	86	53	58	57	60	77	57	64	.495	.480	.534	5.86	3.12	5.2	4.4	4.8	4.7
June	29.554	29.830	29.316	72.2	84.1	85.2	88.5	69.3	78.9	98	54	58	56	57	63	40	40	.503	.476	.483	.19	.10	2.5	3.6	2.9	3.0
July	29.573	29.720	29.312	77.1	90.2	90.8	95.3	75.6	85.4	106	61	63	62	62	64	41	40	.602	.583	.583	.14	.14	3.3	2.4	3.3	3.1
August	29.588	29.780	29.400	73.3	86.6	86.3	91.3	71.4	81.4	104	62	61	60	60	67	44	44	.558	.544	.542	.49	.34	3.4	4.0	4.5	3.9
September	29.563	29.840	29.270	69.2	80.4	79.4	85.7	67.9	76.8	97	53	63	63	63	80	58	59	.587	.599	.592	2.12	.46	5.6	5.9	5.6	6.0
October	29.675	30.160	29.330	54.3	66.2	64.4	69.9	53.1	61.5	84	32	46	46	47	75	51	56	.338	.339	.350	1.96	.62	4.8	4.6	4.0	4.5
November	29.711	30.220	29.110	46.9	54.5	54.5	59.3	44.8	52.0	82	26	40	42	41	78	65	64	.279	.297	.287	2.42	.83	4.9	5.7	4.3	5.4
December	29.728	30.020	29.260	36.1	42.8	43.4	47.3	34.8	41.0	62	23	30	32	32	80	66	65	.173	.184	.183	2.81	1.27	4.6	5.5	5.3	5.5
Year	29.635	30.310	28.770	56.6	66.1	66.5	71.1	54.5	62.8	106	−2	47	48	48	72	55	56	.376	.378	.387	37.46	5.75	4.6	4.8	4.5	4.8

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: Extremes: Maximum	Temperature: Extremes: 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	29.817	30.240	29.410	39.7	48.6	48.3	54.4	35.9	45.2	76	11	36	36	37	85	62	65	0.246	0.250	0.258	4.56	1.27	7.0	6.0	4.4	5.8
February	29.729	30.020	29.250	46.7	60.9	59.0	66.4	43.8	55.1	80	27	42	40	43	84	50	58	.288	.277	.301	3.11	1.40	5.0	4.9	3.6	4.7
March	29.594	30.000	28.944	47.1	58.6	56.4	62.7	43.9	53.3	71	28	40	37	40	79	48	57	.278	.254	.272	6.41	3.88	5.6	5.8	5.3	5.7
April	29.659	30.000	29.410	57.7	73.8	72.6	78.2	54.9	66.5	86	44	48	44	46	73	37	40	.362	.315	.324	1.86	1.52	4.5	4.4	3.4	3.9
May	29.647	29.910	29.390	66.8	79.2	76.7	82.5	62.9	72.7	88	53	61	58	60	81	51	59	.544	.510	.530	8.54	3.49	5.6	6.0	5.6	5.7
June	29.598	29.864	29.310	72.1	84.6	83.2	88.2	65.7	77.0	101	52	62	57	60	71	42	48	.569	.491	.532	1.57	.80	2.5	2.9	2.0	2.5
July	29.623	29.780	29.350	76.4	90.3	87.5	94.9	72.4	83.6	105	65	68	66	67	77	47	54	.687	.655	.678	3.15	1.31	4.5	4.4	5.6	4.9
August	29.640	29.820	29.430	72.6	86.6	82.5	90.3	68.5	79.4	99	59	66	62	64	80	46	57	.642	.575	.608	3.73	2.24	4.0	3.7	5.5	4.4
September	29.610	29.824	29.410	70.1	82.4	77.4	85.4	67.5	76.4	95	52	67	66	68	90	60	73	.681	.656	.692	2.35	.69	5.6	6.8	6.7	6.5
October	29.688	30.160	29.440	55.9	69.7	64.8	73.2	52.5	62.8	84	33	51	49	53	83	50	66	.399	.377	.429	4.40	3.32	4.1	4.5	2.6	4.2
November	29.755	30.220	29.270	49.1	60.9	57.0	64.4	46.5	55.4	83	26	45	45	48	87	59	72	.342	.338	.363	9.15	2.72	5.3	5.7	4.5	5.4
December	29.748	30.040	29.386	38.7	49.0	46.5	53.2	36.4	44.8	66	26	34	34	36	84	59	67	.204	.204	.216	3.04	1.62	5.8	6.1	5.7	6.0
Year	29.676	30.240	28.944	57.7	70.4	67.7	74.5	54.2	64.4	105	11	52	50	52	81	51	60	.437	.408	.434	51.87	3.88	5.0	5.1	4.6	5.0

MIAMI, FLA.

[ϕ=25° 48′ N.; λ=80° 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: Extremes: Maximum	Temperature: Extremes: 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	30.098	30.300	29.990	68.6	75.3	71.7	76.8	66.1	71.4	81	45	64	65	64	84	70	78	0.598	0.623	0.610	2.72	1.39	4.5	5.3	4.2	5.3
February	30.074	30.270	29.760	67.4	75.0	71.0	76.1	64.9	70.5	81	51	60	60	61	78	62	70	.524	.535	.535	3.86	1.32	4.2	4.8	3.7	4.8
March	29.970	30.220	29.600	65.8	73.4	69.8	75.8	62.3	69.0	88	41	58	58	59	77	60	70	.527	.518	.526	3.76	1.43	5.1	6.9	5.2	6.2
April	30.002	30.280	29.770	72.8	77.5	74.0	79.4	68.4	73.9	84	58	65	65	64	76	66	73	.620	.621	.610	5.98	2.14	4.6	5.7	5.8	5.8
May	30.010	30.200	29.730	78.3	81.0	77.8	82.7	74.5	78.6	86	68	69	68	68	73	66	73	.709	.701	.695	8.85	*9.36	5.1	5.6	5.9	5.6
June	29.968	30.170	29.780	79.4	82.2	79.0	84.6	73.7	79.2	91	68	73	73	73	81	74	82	.812	.803	.804	25.34	7.15	6.9	8.0	8.3	8.1
July	30.040	30.180	29.910	82.8	85.6	82.0	87.6	77.7	82.6	89	70	74	73	73	74	67	75	.824	.818	.816	3.58	2.12	5.2	5.5	5.2	5.5
August	29.996	30.160	29.800	81.2	85.5	80.9	88.7	76.1	82.4	92	71	73	73	72	76	67	76	.809	.810	.796	4.72	2.21	4.7	6.1	7.2	6.0
September	29.970	30.150	29.800	82.5	84.6	81.6	86.6	77.7	82.2	88	74	75	74	74	77	72	78	.857	.846	.844	5.05	1.51	4.8	6.0	5.6	5.9
October	29.949	30.200	29.750	75.3	80.2	76.1	82.4	71.2	76.8	88	60	68	68	67	78	66	74	.681	.679	.666	5.09	1.97	6.0	5.8	5.0	6.0
November	30.081	30.380	29.890	68.1	74.4	71.0	75.9	65.3	70.6	82	48	60	60	60	75	62	70	.532	.548	.541	3.18	2.13	6.3	6.4	4.1	6.1
December	30.042	30.350	29.790	60.2	70.2	66.1	72.1	56.8	64.4	78	40	54	56	56	81	64	70	.441	.479	.471	1.38	.82	7.5	7.2	6.1	7.1
Year	30.017	30.380	29.600	73.5	78.7	75.1	80.7	69.6	75.1	92	40	66	66	66	78	66	74	.661	.665	.660	73.51	9.36	5.4	6.1	5.6	6.0

MILES CITY, MONT.

[ϕ=46° 25′ N.; λ=105° 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: Extremes: Maximum	Temperature: Extremes: 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	27.620	28.080	27.160	−0.7	7.3	6.6	12.4	−5.1	3.6	43	−31	−3	1	3	89	74	84	0.040	0.050	0.056	0.35	0.07	5.2	5.6	5.2	5.6
February	27.394	27.810	26.983	27.4	38.2	37.5	43.5	23.4	33.4	65	5	22	24	26	81	57	65	.124	.134	.147	.36	.20	5.1	6.6	5.1	6.5
March	27.469	28.188	26.860	25.2	38.0	39.6	45.2	21.5	33.4	63	−1	19	21	19	77	51	44	.107	.113	.104	.29	.14	4.0	5.1	5.1	4.8
April	27.407	27.778	27.050	42.9	50.7	64.4	66.2	41.3	53.8	82	24	35	36	35	75	44	38	.214	.224	.209	1.88	.54	4.6	4.5	4.3	4.8
May	27.394	27.770	26.880	46.8	60.9	62.7	66.2	44.3	55.2	85	35	37	36	35	70	43	38	.220	.215	.208	1.30	.61	5.3	5.8	5.7	5.6
June	27.374	27.759	26.880	56.8	73.5	74.6	78.6	53.5	66.0	97	43	45	41	41	67	33	33	.308	.270	.264	1.75	*1.62	2.5	3.9	4.2	3.9
July	27.455	27.790	27.090	66.3	86.0	86.4	91.6	63.7	77.6	107	52	52	48	47	62	30	29	.396	.344	.344	1.09	.47	2.7	2.3	4.9	3.3
August	27.491	27.710	27.190	64.9	82.4	84.2	87.9	63.3	75.6	100	42	53	51	49	68	37	33	.416	.389	.361	.93	.35	4.7	4.4	4.8	4.6
September	27.426	27.840	26.790	49.6	69.2	69.2	74.2	47.4	60.8	88	32	42	42	44	74	38	42	.276	.277	.298	1.08	.91	3.7	3.8	4.1	4.1
October	27.523	27.900	26.940	34.2	47.9	47.0	52.6	31.5	42.0	72	13	29	31	33	82	53	60	.173	.190	.205	.66	.19	5.0	5.9	5.7	5.7
November	27.529	28.040	26.630	27.1	39.8	37.4	46.4	22.3	34.4	72	1	22	26	26	79	60	65	.115	.137	.138	.38	.18	3.9	4.8	4.2	4.8
December	27.548	27.809	27.230	23.8	35.1	33.1	40.3	20.5	30.4	58	12	19	24	25	82	63	70	.102	.126	.129	.31	.12	3.9	4.3	3.0	4.5
Year	27.468	28.188	26.630	38.7	53.2	53.5	58.8	35.6	47.2	107	−31	31	32	32	76	49	50	.208	.206	.205	10.38	1.62	4.2	4.8	4.7	4.8

* May 31–June 1.

Annual meteorological summary for the year ending December 31, 1930—Continued

MEMPHIS, TENN.

[H_b=399 ft.; h_t=76 ft.; h_r=69 ft.; h_a=97 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 33 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: Thunderstorm	Electricity: Aurora
	Miles		*Mi.*																									
January	7.1	N.	21	N.	0	14	14	10	4	6	6	4	4	0	9	6	16	14	14	4	1	1	3	7	0	18	1	0
February	7.7	SW.	32	SW.	0	9	3	6	3	12	20	3	0	0	11	6	11	10	9	0	0	0	0	0	0	2	3	0
March	8.7	SW.	34	NW.	1	6	3	2	5	11	12	11	11	1	13	7	11	7	5	1	0	2	0	0	0	2	4	0
April	6.4	SW.	24	SW.	0	6	4	15	3	14	15	2	1	0	16	3	11	5	3	0	0	0	0	0	0	0	4	0
May	5.9	SW.	30	W.	0	6	6	11	7	13	12	4	3	0	12	9	10	10	9	0	0	1	0	0	0	0	6	0
June	5.7	SW.	31	NW.	0	12	3	3	8	13	11	7	3	0	18	10	2	2	2	0	0	0	0	0	14	0	2	0
July	6.6	N.	20	NE.	0	4	14	2	3	14	17	4	3	1	20	8	3	1	1	0	0	0	0	0	25	0	5	0
August	5.8	NE.	20	NW.	0	7	16	7	7	10	14	1	0	0	16	10	5	4	2	0	0	0	0	0	20	0	4	0
September	5.8	S.	36	N.	1	3	15	11	9	13	5	1	2	1	6	13	11	9	8	0	0	0	2	0	9	0	7	0
October	5.7	E.	24	W.	0	14	8	16	4	8	1	5	3	3	15	7	9	6	6	0	0	0	2	0	0	1	1	0
November	7.5	E.	31	SW.	0	7	6	12	8	12	6	4	5	0	11	9	10	10	8	1	0	0	3	0	0	5	0	0
December	6.9	SW.	24	NW.	0	9	7	6	6	8	10	10	6	0	10	9	12	11	8	3	1	0	1	1	0	16	0	0
Year	6.6	SW.	36	N.	2	97	99	101	67	134	129	56	41	6	157	97	111	89	75	9	2	4	11	8	68	44	37	0

MERIDIAN, MISS.

[H_b=375 ft.; h_t=87 ft.; h_r=64 ft.; h_a=95 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	5.8	S.	18	N.	0	12	13	7	7	11	3	1	6	2	11	4	16	9	8	5	3	0	0	2	0	15	2	0
February	5.2	S.	26	SE.	0	9	2	9	7	15	6	0	5	3	12	7	9	8	6	0	0	0	2	0	0	4	2	0
March	6.1	SW.	25	NW.	0	2	5	7	2	8	11	7	12	8	10	7	14	11	10	0	0	0	2	0	0	1	4	0
April	4.7	NE.	20	W.	0	8	9	7	6	9	9	1	4	7	15	9	6	4	2	0	0	0	0	0	0	0	1	0
May	4.8	S.	26	SW.	0	5	10	3	6	15	12	5	3	3	9	9	13	9	9	0	0	0	0	0	0	0	8	0
June	4.0	E.	17	SE.	0	7	9	13	5	5	4	10	4	3	21	4	5	5	3	0	0	0	2	0	14	0	2	0
July	4.2	SW.	24	SE.	0	10	4	5	3	9	17	10	3	1	8	18	5	7	5	0	0	0	0	0	26	0	13	0
August	3.8	SW.	27	N.	0	11	7	2	5	11	10	7	3	6	11	16	4	9	7	0	0	0	1	0	18	0	9	0
September	3.9	NE.	19	SW.	0	4	11	8	9	8	8	5	3	4	5	12	13	12	10	0	0	0	1	0	9	0	10	0
October	4.1	NE.	17	SE.	0	12	13	10	6	3	2	3	3	10	16	4	11	6	4	0	0	0	2	0	0	0	1	0
November	5.3	SE.	22	SE.	0	6	8	9	12	7	6	2	6	4	12	5	13	12	12	0	0	0	4	0	0	6	2	0
December	4.7	NW.	20	W.	0	10	8	10	3	2	5	7	14	3	11	4	16	9	8	0	0	0	3	0	0	7	0	0
Year	4.7	SW.	27	N.	0	96	99	90	71	103	93	58	66	54	141	99	125	101	84	5	3	0	17	2	67	33	54	0

MIAMI, FLA.

[H_b=25 ft.; h_t=124 ft.; h_r=117 ft.; h_a=168 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	10.2	S.	31	NE.	0	15	12	10	4	14	1	0	6	0	10	14	7	13	10	0	0	0	2	0	0	0	1	0
February	8.8	E.	38	NE.	1	8	10	18	9	6	1	0	4	0	12	9	7	8	7	0	0	0	0	0	0	0	0	0
March	10.4	S.	29	SW.	0	15	2	8	8	16	3	5	5	0	7	11	13	9	8	0	0	0	0	0	0	0	3	0
April	9.3	E.	27	E.	0	5	12	19	7	6	2	6	3	0	8	10	12	11	10	0	0	0	2	0	0	0	8	0
May	9.5	E.	32	SW.	0	4	6	31	12	4	1	4	0	0	7	15	9	11	11	0	0	0	0	0	0	0	6	0
June	9.2	E.	31	S.	0	3	6	12	9	14	7	6	2	1	2	7	21	18	14	0	0	0	0	0	2	0	17	0
July	6.8	SE.	21	SW.	0	4	4	16	26	5	1	1	3	2	5	22	4	11	9	0	0	0	0	0	0	0	12	0
August	6.7	NE.	25	W.	0	7	15	6	6	2	9	6	9	2	3	23	5	16	11	0	0	0	0	0	5	0	22	0
September	8.9	SE.	27	S.	0	1	7	21	22	3	5	1	0	0	7	13	10	20	16	0	0	0	0	0	0	0	12	0
October	9.4	E.	24	E.	0	19	8	22	7	1	2	0	3	0	5	16	10	15	12	0	0	0	0	0	0	0	7	0
November	11.5	NE.	30	NE.	0	6	17	17	7	0	2	2	9	0	4	13	13	9	6	0	0	0	0	0	0	0	0	0
December	9.6	N.	24	NE.	0	18	7	6	2	5	4	2	17	1	4	9	18	9	4	0	0	0	0	0	0	0	2	0
Year	9.2	E.	38	NE.	1	105	106	186	119	76	38	33	61	6	74	162	129	150	118	0	0	0	4	0	7	0	90	0

MILES CITY, MONT.

[H_b=2,371 ft.; h_t=48 ft.; h_r=41 ft.; h_a=55 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	4.6	NW.	20	NW.	0	7	6	2	1	9	9	10	13	5	8	14	9	10	3	18	10	0	0	29	0	31	0	0
February	5.2	S.	29	NW.	0	4	7	7	0	14	4	9	6	5	4	13	11	5	3	6	2	0	0	5	0	23	0	0
March	6.2	N.	20	NW.	0	13	7	3	2	12	5	7	10	3	10	13	8	4	2	10	4	0	0	2	0	28	0	0
April	5.8	S.	28	SE.	0	5	9	9	7	12	4	5	5	4	9	15	6	10	7	0	0	1	2	0	0	2	4	1
May	6.9	NW.	26	SE.	0	11	6	5	9	6	5	5	11	4	7	16	8	9	5	0	0	1	0	0	0	0	1	1
June	6.6	NW.	34	NW.	1	4	8	2	9	10	2	10	9	6	14	14	2	6	5	0	0	1	0	0	3	0	7	1
July	4.6	NE.	30	W.	0	9	11	9	6	7	7	4	4	5	17	13	1	5	4	0	0	1	0	0	20	0	6	0
August	4.6	S.	24	NW.	0	3	14	8	10	12	6	2	5	2	14	13	4	8	5	0	0	1	0	0	12	0	7	0
September	5.2	S.	24	W.	0	6	11	4	3	10	4	9	8	5	11	17	2	5	2	0	0	0	0	0	0	1	2	2
October	4.9	S.	25	W.	0	6	10	4	3	7	5	7	13	7	11	6	14	11	6	2	1	0	2	4	0	15	0	0
November	4.7	S.	33	NW.	1	4	14	2	0	15	8	7	6	4	13	9	8	4	3	5	4	0	2	6	0	27	0	0
December	4.4	S.	18	NW.	0	3	5	0	1	24	9	12	4	4	15	9	7	7	3	7	3	0	0	3	0	31	0	1
Year	5.3	S.	34	NW.	2	75	108	55	51	138	68	87	94	54	133	152	80	84	48	48	24	5	6	49	32	158	27	6

Annual meteorological summary for the year ending December 31, 1930—Continued

MILWAUKEE, WIS.

[ϕ=43° 02′ N.; λ=87° 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	29.402	29.930	28.600	14.8	19.3	18.1	23.9	9.0	16.4	48	−21	10	12	12	80	71	75	0.079	0.085	0.085	2.13	1.23	6.7	5.2	5.9	5.7
February	29.221	29.750	28.710	29.4	34.5	35.1	39.1	25.5	32.3	60	−7	25	26	30	84	71	80	.150	.159	.175	1.28	.41	6.2	5.1	7.1	6.3
March	29.116	29.830	28.610	29.7	36.0	34.8	41.3	26.4	33.8	71	12	24	23	27	76	60	72	.128	.127	.150	1.55	.57	5.1	5.0	5.3	5.2
April	29.286	29.570	28.890	40.8	48.1	46.3	53.4	37.3	45.4	90	29	33	36	35	74	65	67	.195	.215	.216	2.91	1.16	4.6	5.6	5.4	5.2
May	29.242	29.770	28.780	53.2	58.2	57.9	65.2	48.4	56.8	85	38	46	47	46	78	68	67	.329	.336	.325	2.30	.71	5.7	6.1	4.6	6.0
June	29.175	29.430	28.790	64.1	72.1	70.4	77.4	58.5	68.0	94	46	54	57	55	71	60	61	.430	.475	.447	1.60	.39	5.4	5.8	4.9	5.6
July	29.243	29.490	28.850	68.3	76.4	76.5	82.5	63.2	72.8	100	49	57	59	56	69	57	52	.480	.504	.471	1.33	.80	4.3	3.6	3.1	3.5
August	29.313	29.600	29.050	68.8	76.1	74.8	80.4	65.3	72.8	95	56	58	60	58	69	59	60	.487	.522	.497	1.46	1.00	3.9	4.1	4.0	4.3
September	29.223	29.600	28.600	60.0	69.1	66.6	73.0	56.9	65.0	87	40	51	52	52	72	57	61	.396	.417	.409	1.97	.85	4.3	3.9	3.4	3.7
October	29.342	29.800	28.900	44.7	51.2	48.5	54.6	41.6	48.1	78	24	40	43	41	83	73	75	.273	.303	.282	2.01	1.66	5.8	5.9	5.4	6.0
November	29.301	29.860	28.540	36.0	43.2	41.1	48.0	32.2	40.1	66	0	30	34	33	80	71	75	.186	.215	.213	.89	.59	5.2	5.1	4.1	5.1
December	29.307	29.910	28.820	25.2	29.2	28.7	33.7	21.8	27.8	54	−2	21	22	23	83	74	78	.119	.125	.133	.79	.23	6.2	7.5	6.2	6.9
Year	29.264	29.930	28.540	44.6	51.1	49.9	56.0	40.5	48.3	100	−21	37	39	39	77	66	69	.271	.290	.284	20.22	1.66	5.3	5.2	5.0	5.3

MINNEAPOLIS, MINN.

[ϕ=44° 59′ 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.	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	29.159	29.690	28.610	-----	10.1	9.6	15.2	−1.2	7.0	40	−20	---	3	4	---	70	76	-----	0.053	0.054	0.95	0.47	----	6.1	5.8	5.8
February	28.905	29.490	28.491	-----	31.1	30.3	35.5	19.2	27.4	59	−12	---	22	23	---	70	73	-----	.134	.136	2.66	2.06	----	6.6	7.6	7.2
March	28.900	29.360	28.450	-----	35.4	35.7	40.5	22.8	31.6	71	−2	---	18	19	---	50	51	-----	.110	.112	.48	.30	----	5.4	5.3	5.5
April	28.997	29.250	28.615	-----	55.3	55.5	59.7	39.1	49.4	81	22	---	31	32	---	41	44	-----	.186	.199	.62	.26	----	5.6	5.0	5.1
May	28.906	29.370	28.270	-----	63.2	63.2	68.2	48.5	58.4	86	32	---	42	44	---	50	51	-----	.296	.307	3.38	1.30	----	5.8	5.4	6.2
June	28.878	29.200	28.380	-----	74.2	73.7	78.1	59.1	68.6	91	50	---	54	54	---	50	52	-----	.428	.424	6.68	2.32	----	6.1	5.3	5.6
July	28.956	29.280	28.620	-----	81.6	81.5	85.9	64.7	75.3	98	50	---	57	59	---	45	48	-----	.493	.527	.92	.48	----	5.4	3.9	4.4
August	29.024	29.310	28.679	-----	82.3	81.3	85.7	64.8	75.2	98	54	---	51	53	---	35	40	-----	.390	.426	.72	.23	----	4.6	5.7	5.1
September	28.936	29.360	28.490	-----	67.8	66.8	72.6	52.2	62.4	88	34	---	45	45	---	46	48	-----	.313	.315	4.14	2.17	----	4.5	3.6	4.6
October	29.032	29.530	28.610	-----	51.9	50.1	55.5	40.2	47.8	86	21	---	38	39	---	60	66	-----	.269	.277	1.14	.52	----	7.4	5.7	6.7
November	28.978	29.570	27.970	-----	41.4	39.0	45.9	28.2	37.0	68	−4	---	28	28	---	60	65	-----	.175	.176	2.41	1.07	----	6.4	5.6	5.9
December	29.053	29.670	28.560	-----	24.2	25.4	29.1	17.0	23.0	45	−11	---	18	20	---	74	78	-----	.100	.110	.06	.05	----	7.8	7.3	7.3
Year	28.977	29.690	27.970	-----	51.5	51.0	56.0	37.9	46.9	98	−20	---	34	35	---	54	58	-----	.246	.255	24.16	2.32	----	6.0	5.5	5.8

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.	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	30.146	30.580	29.760	44.8	54.2	52.5	59.2	41.8	50.5	72	18	40	42	42	84	65	70	0.288	0.313	0.310	4.74	2.38	4.9	6.1	5.0	6.1
February	30.073	30.360	29.640	52.0	63.0	60.1	67.2	49.5	58.4	76	33	48	48	50	86	60	71	.354	.360	.378	1.94	.74	4.9	5.3	4.8	5.5
March	29.943	30.360	29.370	51.5	60.2	58.1	63.9	49.0	56.4	76	34	46	44	46	83	58	68	.336	.315	.346	3.22	1.13	7.0	7.3	6.8	6.6
April	29.997	30.360	29.740	61.9	74.4	70.4	77.8	59.7	68.8	87	51	54	53	57	77	51	65	.436	.432	.481	.77	.39	4.7	4.6	3.8	4.7
May	29.985	30.220	29.690	70.5	79.2	75.7	82.3	67.0	74.6	88	58	65	64	64	84	60	69	.637	.598	.615	3.54	1.67	7.3	5.8	5.8	6.4
June	29.923	30.170	29.640	74.0	85.4	81.6	89.4	70.9	80.2	100	60	67	65	67	79	52	64	.677	.650	.685	.56	.38	3.5	4.3	4.3	4.4
July	29.969	30.120	29.740	78.7	88.4	83.7	92.4	75.4	83.9	103	68	72	72	73	82	59	72	.801	.780	.823	3.34	1.84	5.0	4.5	5.4	4.8
August	29.971	30.160	29.780	75.5	87.0	81.9	89.8	72.6	81.2	95	65	71	68	71	86	55	71	.765	.700	.766	3.71	2.12	5.2	6.0	6.6	5.6
September	29.930	30.120	29.790	74.0	81.7	78.1	85.3	71.5	78.4	94	64	71	70	72	89	71	82	.756	.752	.783	11.49	3.13	7.5	7.5	7.4	7.1
October	30.002	30.481	29.720	60.9	73.2	68.7	75.8	58.6	67.2	86	40	56	55	58	84	56	69	.477	.468	.503	4.27	2.26	4.6	4.4	4.1	4.6
November	30.093	30.540	29.670	54.4	63.1	60.1	65.6	52.0	58.8	80	34	51	52	52	88	71	76	.416	.443	.430	7.57	2.77	6.4	5.9	4.6	6.2
December	30.086	30.410	29.730	44.2	52.7	51.7	56.8	42.1	49.4	70	30	40	43	44	88	70	77	.261	.285	.298	3.12	1.80	7.3	6.1	5.2	6.2
Year	30.010	30.580	29.370	61.9	71.9	68.6	75.5	59.2	67.3	103	18	57	56	58	84	61	71	.517	.508	.535	48.27	3.13	5.7	5.6	5.3	5.7

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.	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	24.554	25.020	24.150	14.9	29.5	26.3	32.8	7.9	20.4	49	−17	11	20	18	86	70	73	0.077	0.109	0.101	1.89	0.68	4.1	5.0	5.8	5.5
February	24.637	24.920	24.320	26.9	44.5	44.6	49.5	23.2	36.4	63	2	22	27	26	81	52	51	.115	.145	.141	.56	.26	2.8	5.7	4.1	4.7
March	24.546	24.890	24.140	29.5	48.3	49.1	52.8	26.1	39.4	66	6	22	28	26	74	46	43	.120	.152	.142	.39	.30	3.0	4.6	4.4	4.5
April	24.573	24.940	24.250	35.8	62.9	63.2	66.6	33.6	50.1	78	21	24	27	26	63	28	25	.133	.144	.138	.65	.60	3.5	5.4	5.2	5.1
May	24.508	24.810	24.150	38.3	58.3	59.5	62.9	35.6	49.2	79	25	29	29	28	71	40	35	.161	.166	.146	1.28	.53	4.2	5.8	6.5	5.6
June	24.583	24.810	24.398	49.2	78.6	80.8	83.0	46.9	65.0	93	33	26	33	27	42	21	16	.146	.195	.158	.71	.71	2.4	2.2	2.3	2.3
July	24.670	24.850	24.490	55.9	83.4	82.8	87.1	54.4	70.8	94	47	37	38	37	54	22	24	.241	.240	.242	.58	.27	2.9	4.1	4.9	4.2
August	24.692	24.850	24.530	55.6	79.6	77.6	82.8	53.9	68.4	89	48	46	44	42	74	32	36	.329	.305	.298	2.72	1.14	3.9	5.2	6.4	4.9
September	24.611	24.850	24.370	46.3	72.1	71.5	75.5	43.4	59.4	86	26	30	35	30	56	27	23	.178	.209	.168	.27	.20	3.5	4.4	4.6	3.7
October	24.622	24.970	24.260	33.1	57.4	55.8	61.6	30.4	46.0	72	19	26	27	26	74	34	34	.140	.154	.143	1.09	.97	1.4	2.9	3.0	2.2
November	24.701	25.000	24.070	21.2	41.9	37.7	45.7	16.6	31.2	68	−8	15	23	20	77	53	58	.086	.120	.108	1.17	.64	2.2	3.3	3.5	3.4
December	24.749	24.980	24.490	11.8	28.9	26.0	32.5	8.6	20.6	50	−4	10	19	18	92	64	69	.066	.099	.094	T.	T.	2.6	3.6	2.8	3.4
Year	24.620	25.020	24.070	34.9	57.1	56.2	61.1	31.7	46.4	94	−17	25	29	27	70	41	41	.149	.170	.158	11.31	1.14	3.0	4.4	4.5	4.1

Annual meteorological summary for the year ending December 31, 1930—Continued

MILWAUKEE, WIS.

[H_b=681 ft.; h_t=125 ft.; h_r=117 ft.; h_a=221 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 33 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: Thunderstorm	Electricity: Aurora
	Miles		*Mi.*																									
January	13.0	W.	36	SW.	1	5	2	1	3	3	14	18	16	0	13	4	14	17	8	21	13	0	1	21	0	31	0	0
February	12.1	W.	31	W.	0	7	3	2	3	8	11	15	7	0	9	6	13	11	6	14	6	1	4	5	0	21	3	0
March	14.2	W.	42	N.	5	11	6	4	8	1	5	13	14	0	14	7	10	11	6	13	9	0	0	4	0	26	0	1
April	12.0	E.	40	NW.	4	14	4	11	6	8	5	5	7	0	12	7	11	9	7	1	1	0	3	0	1	6	2	0
May	11.8	SW.	40	NW.	4	5	4	10	8	6	13	11	5	0	7	13	11	8	8	0	0	1	1	0	0	0	2	3
June	11.7	SW.	36	N.	3	8	3	2	5	8	14	11	9	0	8	12	10	10	8	0	0	2	0	0	1	0	6	1
July	10.0	W.	36	W.	3	15	2	5	5	11	7	13	4	0	19	5	7	10	5	0	0	0	0	0	9	0	3	2
August	9.1	N.	52	SW.	1	17	2	5	2	11	5	8	10	2	14	11	6	10	6	0	0	0	0	0	4	0	5	0
September	10.8	W.	44	SW.	1	7	4	4	2	11	10	17	4	1	18	5	7	7	5	0	0	0	2	0	0	0	6	1
October	10.3	W.	33	SE.	1	8	3	4	6	16	0	18	7	0	10	8	13	7	5	1	0	0	8	0	0	8	0	0
November	13.2	SW.	39	SW.	3	5	0	2	5	11	19	11	6	1	12	7	11	7	5	6	4	0	3	4	0	11	0	0
December	11.6	W.	33	NW.	1	12	1	2	2	4	8	21	12	0	7	5	19	10	6	16	9	0	2	15	0	27	0	0
Year	11.6	W.	52	SW.	27	114	34	52	55	98	111	161	101	4	143	90	132	117	75	72	42	4	24	49	15	130	27	8

MINNEAPOLIS, MINN.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	9.8	W.	29	N.	0	3	0	0	4	3	6	7	8	0	9	8	14	8	3	17	8	0	0	27	0	30	0	0
February	10.0	NW.	36	NW.	1	0	1	0	7	4	3	5	8	0	4	8	16	11	7	13	10	0	2	11	0	22	2	0
March	12.6	NW.	34	NW.	1	3	1	2	6	2	0	4	13	0	13	6	12	5	3	15	5	1	0	3	0	26	2	1
April	11.2	NW.	43	NE.	4	3	3	0	9	4	2	1	8	0	14	3	13	5	5	0	0	0	0	0	0	5	0	1
May	11.4	SE.	34	S.	2	4	5	0	4	7	2	5	4	0	7	9	15	11	8	0	0	1	0	0	0	1	8	2
June	9.5	W.	33	SE.	2	3	3	0	1	4	6	8	5	0	11	7	12	17	13	0	0	2	0	0	1	0	11	1
July	8.7	S.	48	N.	3	2	5	0	4	7	0	5	8	0	14	10	7	7	5	0	0	0	0	0	11	0	8	1
August	7.5	S.	30	NW.	0	4	5	3	5	7	1	1	5	0	11	11	9	7	7	0	0	0	0	0	10	0	5	0
September	10.0	W.	42	N.	3	2	1	2	4	4	5	6	6	0	13	7	10	9	8	0	0	2	0	0	0	0	6	2
October	11.2	S.	30	W.	0	1	3	1	6	9	2	1	8	0	7	9	15	10	6	7	3	0	0	2	0	10	0	0
November	11.2	S.	29	NW.	0	4	0	2	3	8	4	3	6	0	9	6	15	8	7	8	5	0	0	8	0	17	0	0
December	9.1	NW.	36	NW.	1	1	3	0	2	7	5	5	8	0	7	5	19	2	1	16	2	0	1	24	0	29	0	1
Year	10.2	NW.	48	N.	17	30	30	10	55	66	36	51	87	0	119	89	157	100	73	76	33	6	3	75	22	140	42	9

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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	10.3	N.	39	N.	1	23	7	3	13	9	1	1	5	0	7	11	13	8	8	0	0	0	7	0	0	8	3	0
February	8.2	S.	31	NW.	0	10	7	5	7	15	5	1	5	1	8	8	12	6	5	0	0	0	5	0	0	0	3	0
March	9.5	NW.	33	SW.	1	5	10	3	4	9	12	4	15	0	6	10	15	15	12	0	0	0	1	0	0	0	2	0
April	8.3	S.	25	NW.	0	15	5	2	3	14	13	4	3	1	14	8	8	6	2	0	0	0	1	0	0	0	1	0
May	9.2	S.	30	SE.	0	12	4	3	5	20	10	1	7	0	3	16	12	5	5	0	0	0	1	0	0	0	5	0
June	7.7	N.	31	SE.	0	11	8	5	4	10	7	7	7	1	14	9	7	4	3	0	0	0	0	0	12	0	5	0
July	6.9	SW.	31	E.	0	7	0	1	3	7	17	12	14	1	11	12	8	11	8	0	0	0	0	0	23	0	14	0
August	6.5	N.	38	SW.	1	15	8	5	1	5	15	6	7	0	7	16	8	7	6	0	0	0	0	0	17	0	11	0
September	6.7	N.	30	SE.	0	15	8	7	5	7	8	6	4	0	2	11	17	13	11	0	0	0	1	0	6	0	11	0
October	8.6	N.	28	N.	0	23	8	13	7	4	3	0	3	1	16	4	11	8	7	0	0	0	0	0	0	0	1	0
November	8.8	N.	28	NW.	0	15	6	11	6	8	3	5	6	0	9	6	15	11	8	0	0	0	4	0	0	0	3	0
December	8.4	N.	33	SE.	1	18	7	6	2	3	5	2	18	1	8	9	14	10	9	0	0	0	0	0	0	1	1	0
Year	8.3	N.	39	N.	4	169	78	64	60	111	99	49	94	6	105	120	140	104	84	0	0	0	20	0	58	9	60	0

MODENA, UTAH

[H_b=5,473 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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	8.4	W.	47	SW.	1	2	11	8	1	2	15	20	3	0	11	8	12	10	8	16	10	0	3	15	0	30	0	0
February	8.3	W.	36	S.	2	1	4	6	1	2	11	24	7	0	10	9	9	6	5	4	4	1	1	1	0	26	1	0
March	9.5	W.	35	S.	5	6	4	6	4	5	12	18	7	0	12	9	10	6	1	8	3	0	0	0	0	25	1	0
April	10.3	SW.	36	S.	3	2	1	5	0	3	28	18	3	0	10	12	8	4	3	1	0	1	0	0	0	14	0	0
May	11.6	SW.	41	SW.	4	4	3	2	1	6	25	18	3	0	8	10	13	9	7	5	5	4	0	0	0	8	4	0
June	9.7	SW.	37	W.	2	5	0	8	1	3	21	18	4	0	18	10	2	2	1	0	0	0	0	0	6	0	3	0
July	9.8	SW.	38	S.	2	1	5	4	0	3	24	25	0	0	13	14	4	9	3	0	0	0	0	0	11	0	9	0
August	8.4	SW.	38	W.	2	2	3	2	1	9	22	19	4	0	10	12	9	11	8	0	0	1	0	0	0	0	15	0
September	9.4	SW.	36	S.	4	3	1	5	5	4	29	11	2	0	11	16	3	4	2	0	0	0	0	0	0	3	7	0
October	8.3	W.	40	S.	2	4	7	12	1	1	17	19	1	0	23	6	2	4	2	1	1	0	0	0	0	21	0	0
November	7.2	W.	48	SW.	1	5	7	13	6	2	7	19	0	1	17	7	6	5	3	9	5	0	0	7	0	29	0	0
December	5.5	E.	24	NW.	0	2	11	24	1	0	2	18	1	3	18	8	5	0	0	4	0	0	0	19	0	31	0	0
Year	8.9	SW.	48	SW.	28	37	57	95	22	40	213	227	35	4	161	121	83	70	43	48	28	7	4	42	17	187	40	0

Annual meteorological summary for the year ending December 31, 1930—Continued

MONTGOMERY, ALA.

[ϕ=32° 23′ N.; λ=86° 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.	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	29.987	30.420	29.580	42.2	51.7	51.5	57.9	39.1	48.5	76	18	36	39	38	79	63	61	0.241	0.272	0.256	4.92	2.53	5.5	5.2	4.9	5.2
February	29.907	30.200	29.500	47.8	60.2	60.4	65.9	45.1	55.5	80	30	40	42	40	76	53	50	.272	.287	.270	2.69	1.33	5.0	4.8	3.5	4.6
March	29.749	30.120	29.130	48.5	57.6	57.5	62.4	46.0	54.2	74	29	41	38	39	74	51	54	.281	.258	.267	4.93	1.99	5.7	5.9	6.0	5.8
April	29.818	30.200	29.550	59.6	73.1	72.8	78.5	57.1	67.8	86	47	48	47	47	68	43	43	.359	.348	.340	2.26	2.21	4.3	4.4	3.2	4.1
May	29.814	30.030	29.530	69.2	80.3	78.7	84.5	65.3	74.9	91	54	60	58	56	74	48	49	.539	.494	.474	2.10	1.17	5.8	5.7	5.8	5.9
June	29.755	30.070	29.440	73.2	84.8	82.9	89.3	68.4	78.8	103	57	61	58	58	68	44	47	.559	.505	.504	1.98	.79	3.4	3.9	4.3	3.8
July	29.774	29.940	29.480	77.3	90.5	86.0	95.5	73.7	84.6	105	67	70	67	67	80	48	56	.743	.667	.675	2.67	1.77	4.5	4.7	6.2	4.6
August	29.795	29.993	29.560	73.4	85.9	82.0	89.5	71.0	80.2	99	62	68	65	66	82	51	62	.679	.622	.655	3.96	2.52	5.1	4.9	5.7	5.4
September	29.773	30.003	29.616	72.4	81.7	78.5	86.7	69.6	78.2	96	60	68	67	68	87	63	72	.692	.666	.692	6.78	1.74	4.9	6.4	7.1	6.6
October	29.856	30.310	29.600	57.0	69.9	66.4	73.4	54.6	64.0	84	36	50	48	51	80	48	59	.392	.366	.398	2.08	1.21	3.8	4.1	3.5	3.9
November	29.938	30.373	29.525	50.0	59.2	57.5	62.9	48.1	55.5	83	29	44	46	45	82	65	65	.336	.363	.341	4.91	1.93	6.0	6.3	4.3	5.8
December	29.906	30.263	29.579	40.8	49.5	48.4	53.0	39.1	46.0	67	29	34	35	35	78	59	62	.205	.210	.212	2.48	.74	6.1	5.4	5.6	5.8
Year	29.839	30.420	29.130	59.3	70.4	68.6	75.0	56.4	65.7	105	18	52	51	51	77	53	57	.442	.422	.424	41.76	2.53	5.0	5.1	5.0	5.1

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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.168	29.830	28.590	−3.7	2.4	2.5	9.0	−8.4	0.3	33	−30	−5	−4	0	92	72	86	0.036	0.038	0.044	0.46	0.19	4.4	6.2	5.6	6.6
February	28.862	29.450	28.460	20.7	25.9	24.9	30.6	15.5	23.0	52	−11	18	21	22	91	81	87	.110	.123	.126	2.03	.51	6.5	8.9	7.0	7.7
March	28.931	29.430	28.280	21.4	30.3	29.8	35.1	18.8	27.0	60	−1	18	20	22	85	65	72	.102	.115	.122	.27	.18	5.5	5.4	5.3	5.6
April	29.000	29.297	28.560	37.2	52.3	53.3	57.6	35.0	46.3	75	21	30	32	34	74	48	50	.177	.197	.214	2.16	1.00	5.1	5.7	5.7	5.3
May	28.877	29.350	28.306	47.7	58.4	59.9	63.7	43.2	53.4	93	28	40	40	41	76	55	55	.259	.267	.280	2.68	.89	5.8	7.3	6.5	6.6
June	28.839	29.213	28.270	58.9	71.8	71.7	76.2	53.7	65.0	91	39	51	50	51	76	48	52	.382	.376	.400	2.70	1.23	5.8	6.3	5.3	5.9
July	28.915	29.270	28.580	64.8	81.2	82.3	86.6	60.6	73.6	100	45	57	55	56	77	42	43	.481	.457	.474	.48	.18	4.6	3.4	3.0	3.9
August	28.993	29.360	28.620	62.6	80.8	79.3	85.1	59.4	72.2	98	45	54	53	53	73	39	43	.419	.411	.408	.92	.39	5.3	5.1	6.3	5.6
September	28.904	29.360	28.430	48.6	66.6	65.6	71.3	46.2	58.8	89	24	41	40	41	75	40	41	.273	.273	.276	.52	.23	5.5	3.7	4.7	4.6
October	28.981	29.500	28.520	38.8	47.3	45.3	51.9	35.3	43.6	84	12	34	36	36	84	66	71	.226	.249	.251	1.37	.30	7.9	7.9	5.9	7.6
November	28.956	29.700	27.870	25.1	34.3	32.2	40.2	20.7	30.4	62	−6	21	23	24	85	67	73	.121	.138	.138	2.56	1.48	5.5	6.9	5.4	6.5
December	29.029	29.650	28.560	16.8	23.1	22.2	27.3	12.2	19.8	42	−12	15	18	20	92	79	89	.088	.099	.109	.10	.05	5.4	7.6	6.4	7.3
Year	28.955	29.830	27.870	36.6	47.9	47.4	52.9	32.7	42.8	100	−30	31	32	33	82	58	64	.223	.229	.237	16.25	1.48	5.6	6.2	5.6	6.1

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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	30.195	30.800	29.590	33.1	37.0	34.4	41.0	29.1	35.0	57	14	30	32	30	86	83	84	0.175	0.198	0.182	4.42	0.99	6.0	7.2	5.4	7.4
February	30.032	30.563	29.320	31.5	35.3	32.4	40.3	26.3	33.3	60	5	28	29	28	85	74	83	.160	.170	.162	3.41	.93	4.8	3.3	3.8	4.9
March	29.742	30.328	29.000	36.9	41.0	37.4	44.2	31.5	37.8	58	21	29	30	30	73	65	76	.170	.174	.176	3.05	1.32	4.6	4.9	3.0	4.9
April	29.990	30.591	29.220	43.9	47.9	42.6	50.5	37.1	43.8	65	31	35	34	36	72	59	79	.214	.202	.221	1.01	.39	4.7	4.3	4.0	4.7
May	29.931	30.380	29.628	55.8	58.5	51.2	61.6	47.7	54.6	77	42	47	45	47	73	64	85	.323	.306	.323	2.03	.88	4.5	5.5	5.2	5.2
June	29.974	30.342	29.490	65.8	70.3	62.6	72.5	58.9	65.7	84	44	60	60	59	83	72	89	.523	.529	.509	.49	.39	3.2	4.3	4.7	4.3
July	29.881	30.148	29.580	69.2	73.6	66.8	76.3	63.0	69.6	84	57	64	63	63	85	71	89	.601	.583	.583	2.16	1.13	4.2	5.1	5.1	5.4
August	29.990	30.324	29.650	68.1	72.8	65.5	75.0	61.7	68.4	90	57	63	62	61	84	70	86	.576	.559	.545	1.79	.71	3.4	4.2	4.1	4.5
September	29.970	30.340	29.650	67.1	72.2	64.5	74.2	60.9	67.6	83	52	61	59	60	82	65	85	.550	.523	.523	.15	.11	4.9	4.6	1.4	4.7
October	29.990	30.330	29.180	53.7	56.8	53.5	59.0	50.1	54.6	73	40	46	46	45	78	68	76	.331	.324	.319	3.28	1.20	5.9	5.6	5.5	5.9
November	30.138	30.760	29.120	45.2	48.8	45.5	51.6	41.2	46.4	63	20	39	40	39	80	72	80	.257	.265	.264	7.01	3.58	6.1	5.6	4.7	6.4
December	29.966	30.660	29.120	35.0	38.8	36.9	41.5	31.4	36.4	56	11	30	31	32	81	75	81	.175	.188	.185	5.14	1.79	6.3	6.6	6.4	7.2
Year	29.983	30.800	29.000	50.4	54.4	49.4	57.3	44.9	51.1	90	5	44	44	44	80	70	83	.338	.335	.333	33.94	3.58	4.9	5.1	4.4	5.5

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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.673	30.170	29.150	33.6	39.8	40.0	44.7	28.6	36.6	69	−2	29	29	29	84	65	66	0.189	0.191	0.188	3.82	1.32	6.7	6.0	5.6	6.2
February	29.551	29.870	28.990	43.2	53.0	53.3	58.8	39.8	49.3	74	21	36	36	36	77	56	55	.230	.238	.234	3.68	1.79	5.3	5.5	5.2	5.5
March	29.377	29.730	28.650	41.6	52.7	50.7	57.3	37.4	47.4	71	21	32	34	34	72	51	55	.199	.213	.206	5.14	1.93	4.5	4.5	4.7	4.5
April	29.492	29.870	29.160	54.9	68.3	67.4	71.9	52.1	62.0	87	38	44	40	42	68	38	42	.301	.267	.285	1.16	.71	4.6	4.8	4.7	4.7
May	29.487	29.840	29.260	64.2	72.8	72.3	76.6	59.5	68.0	88	51	56	54	55	75	56	58	.457	.442	.451	5.23	2.55	4.5	4.6	5.0	4.7
June	29.438	29.760	29.140	69.1	82.0	81.3	86.0	63.6	74.8	100	49	59	55	56	71	41	43	.514	.455	.461	1.59	1.02	1.9	3.8	3.4	3.1
July	29.438	29.600	29.180	75.7	90.4	88.8	95.1	71.7	83.4	106	59	63	59	59	66	36	38	.586	.518	.510	1.22	.65	3.1	2.7	3.5	2.8
August	29.465	29.670	29.278	70.8	86.3	84.3	90.2	68.2	79.2	105	58	60	56	56	70	39	42	.525	.473	.473	4.69	3.98	3.7	3.2	4.2	3.7
September	29.451	29.700	29.150	67.4	80.0	76.8	83.9	64.8	74.4	96	47	62	61	61	84	56	60	.579	.562	.551	3.88	2.10	5.7	5.4	4.7	5.4
October	29.546	29.970	29.220	50.7	64.6	62.5	68.6	48.7	58.6	84	32	46	46	46	84	52	57	.329	.331	.335	2.11	.80	4.6	3.5	3.6	2.7
November	29.599	30.070	29.050	43.6	53.9	52.1	57.6	40.3	49.0	78	18	38	39	40	82	59	64	.262	.275	.280	3.19	1.53	5.5	5.9	4.8	5.6
December	29.577	29.920	29.210	33.9	41.4	40.7	45.1	31.4	38.2	62	20	29	29	29	82	62	65	.165	.163	.166	2.09	.93	5.6	5.5	5.8	5.7
Year	29.508	30.170	28.650	54.0	65.4	64.2	69.6	50.5	60.1	106	−2	46	45	45	76	51	54	.361	.344	.345	37.80	3.98	4.6	4.6	4.6	4.6

Annual meteorological summary for the year ending December 31, 1930—Continued

MONTGOMERY, ALA.

[H_b=223 ft.; h_t=100 ft.; h_r=71 ft.; h_a=109 ft.]

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 53 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorm	Aurora
	Miles		*Mi.*																									
January	6.6	N.	22	N.	0	16	6	7	11	6	1	3	12	0	12	7	12	10	8	2	0	0	2	0	0	14	1	0
February	5.9	S.	22	N.	0	6	9	12	4	12	5	2	6	0	10	11	7	8	5	0	0	0	0	0	0	1	1	0
March	7.2	NW.	24	W.	0	0	7	5	5	11	8	7	19	0	11	6	14	13	10	0	0	0	0	0	0	1	4	0
April	5.5	SW.	20	W.	0	12	7	9	7	9	7	5	4	0	14	10	6	3	3	0	0	0	0	0	0	0	3	0
May	5.3	S.	19	N.	0	10	5	9	10	10	6	7	4	1	9	8	14	6	5	0	0	0	0	0	5	0	3	0
June	5.3	E.	28	W.	0	9	10	13	7	3	5	5	8	0	17	7	6	8	8	0	0	0	0	0	14	0	6	0
July	5.3	SW.	31	NE.	0	5	3	5	2	9	24	8	6	0	11	14	6	9	7	0	0	0	0	0	27	0	15	0
August	4.2	SW.	26	SW.	0	8	6	8	10	3	16	2	4	5	11	10	10	8	7	0	0	0	1	0	19	0	9	0
September	3.9	NE.	24	N.	0	5	9	11	12	9	5	4	4	1	6	11	13	14	11	0	0	0	2	0	14	0	12	0
October	5.3	NE.	20	N.	0	9	19	13	9	4	0	3	3	2	17	5	9	5	5	0	0	0	0	0	0	0	0	0
November	6.4	E.	24	S.	0	6	7	19	6	8	4	4	5	1	10	6	14	13	9	0	0	0	1	0	0	2	1	0
December	5.8	NW.	24	SE.	0	9	7	13	4	2	6	9	12	0	10	6	15	10	6	0	0	0	2	0	0	4	0	0
Year	5.6	E.	31	NE.	0	95	95	124	87	86	87	59	87	10	138	101	126	107	84	2	0	0	8	0	79	22	55	0

MOORHEAD, MINN.

[H_b=940 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 53 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	7.8	N.	24	N.	0	20	3	0	5	8	8	8	10	0	4	12	15	11	2	19	11	0	0	30	0	31	0	0
February	8.0	S.	31	NW.	0	11	3	1	3	19	3	7	9	0	3	8	17	14	12	16	11	0	1	15	0	24	1	0
March	9.8	N.	31	NW.	0	22	2	1	4	11	3	5	14	0	10	10	11	6	2	12	5	1	0	11	0	29	0	0
April	7.7	S.	27	NW.	0	10	10	4	9	17	5	2	2	1	13	4	13	7	5	2	1	0	0	0	0	12	0	2
May	9.1	S.	28	NW.	0	15	5	6	5	13	5	4	8	1	8	6	17	14	8	1	0	1	1	0	1	3	5	1
June	7.8	S.	31	SW.	0	9	3	4	6	20	4	7	7	0	8	10	12	11	6	0	0	1	0	0	1	0	7	0
July	6.4	S.	45	NW.	1	11	3	8	5	20	6	1	8	0	16	8	7	8	4	0	0	0	0	0	13	0	10	0
August	6.2	S.	27	NW.	0	5	5	11	8	22	6	1	4	0	8	13	10	8	6	0	0	0	0	0	10	0	5	0
September	7.6	NW.	27	SW.	0	6	3	2	11	10	4	11	13	0	10	15	5	3	3	0	0	0	0	0	0	3	3	1
October	8.3	S.	26	NW.	0	9	5	4	5	19	2	5	13	0	4	8	19	12	9	6	1	0	4	5	0	13	1	0
November	9.2	N.	38	N.	1	11	6	2	3	12	6	5	15	0	6	10	14	10	7	7	7	0	0	7	0	27	0	2
December	7.5	S.	27	NW.	0	13	0	0	2	21	7	7	12	0	6	7	18	6	0	20	5	0	1	23	0	31	0	1
Year	8.0	S.	45	NW.	2	142	48	43	66	192	59	63	115	2	96	111	158	110	64	83	41	3	7	91	25	173	32	7

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 53 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	13.9	SW.	47	NE.	6	11	5	4	6	6	12	7	11	0	6	6	19	13	12	8	6	0	8	8	0	22	1	0
February	14.1	SW.	42	SW.	5	10	3	0	3	10	14	9	7	0	13	8	7	12	10	8	5	0	5	5	0	23	1	0
March	15.6	W.	43	SW.	7	1	3	3	4	8	17	17	9	0	12	13	6	9	8	4	2	0	7	1	0	14	1	0
April	13.8	SW.	39	SE.	3	5	4	6	5	6	15	14	5	0	13	11	6	9	7	1	0	0	4	0	0	3	0	0
May	13.2	SW.	42	E.	2	3	8	7	4	3	20	9	8	0	10	13	8	9	7	0	0	0	3	0	0	0	3	0
June	14.5	SW.	42	SW.	1	2	2	0	9	13	29	3	2	0	15	9	6	4	2	0	0	0	10	0	0	0	2	0
July	11.4	SW.	31	SW.	0	6	7	2	4	12	20	6	5	0	9	13	9	8	7	0	0	0	8	0	0	0	8	0
August	11.3	SW.	36	NE.	2	4	11	3	11	12	11	7	3	0	16	8	7	7	6	0	0	0	5	0	0	0	3	0
September	11.1	SW.	28	SW.	0	4	5	2	3	15	17	8	6	0	9	17	4	4	2	0	0	0	7	0	0	0	1	0
October	14.9	N.	43	N.	6	17	11	0	5	3	9	8	9	0	9	9	13	13	9	0	0	0	1	0	0	0	1	0
November	15.2	SW.	47	SW.	9	5	8	5	9	4	13	9	7	0	8	8	14	12	10	3	1	0	3	1	0	4	1	0
December	13.8	W.	67	NE.	6	8	14	1	0	3	7	13	16	0	8	3	20	16	11	6	3	0	1	1	0	13	0	0
Year	13.6	SW.	67	NE.	47	76	81	33	63	95	184	110	88	0	128	118	119	116	91	30	17	0	62	16	0	79	22	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 53 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	9.6	S.	35	S.	1	4	8	6	4	15	3	7	15	0	10	4	17	13	11	5	3	0	0	6	0	19	0	0
February	8.7	S.	33	S.	1	4	2	3	2	19	7	6	10	3	9	9	10	10	10	2	0	0	0	0	0	7	3	0
March	9.8	W.	37	NW.	1	1	4	4	4	11	10	15	13	0	16	7	8	8	6	5	2	0	0	1	0	6	3	0
April	8.2	S.	31	NW.	0	4	8	4	5	12	11	4	12	0	11	11	8	6	3	0	0	0	0	0	0	0	3	0
May	7.4	S.	35	SW.	1	1	13	6	6	14	8	7	7	0	13	8	10	11	10	0	0	0	0	0	0	0	6	0
June	7.1	S.	40	W.	1	5	2	3	10	15	3	9	13	0	17	10	3	4	4	0	0	0	0	0	9	0	5	0
July	6.8	W.	40	SW.	1	3	12	4	1	8	8	13	13	0	19	11	1	6	3	0	0	0	0	0	24	0	10	0
August	6.3	W.	26	SW.	0	4	11	5	2	7	12	13	8	0	16	11	4	8	5	0	0	0	0	0	13	0	3	0
September	5.7	S.	38	NW.	2	3	12	2	2	16	8	8	9	0	9	13	8	7	7	0	0	0	1	0	6	0	7	0
October	6.5	NW.	30	SE.	0	5	10	5	6	6	3	12	14	1	18	5	8	6	6	1	0	0	1	0	0	1	1	0
November	8.4	SE.	40	NW.	2	0	3	10	13	12	5	7	10	0	10	6	14	13	9	3	1	0	3	0	0	11	0	0
December	7.5	NW.	26	SE.	0	5	5	2	7	9	4	14	14	2	10	9	12	9	6	6	4	0	0	0	0	19	0	0
Year	7.7	S.	40	W.	10	39	90	54	62	144	82	115	138	6	158	104	103	101	80	22	10	0	5	7	52	63	41	0

Annual meteorological summary for the year ending December 31, 1930—Continued

NEW HAVEN, CONN.

[ϕ=41° 18′ N.; λ=72° 56′ 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	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	30.125	30.700	29.550	27.8	33.8	32.0	37.6	23.9	30.8	58	10	22	24	24	77	68	71	0.135	0.151	0.145	2.86	0.84	6.0	6.4	5.6	6.8
February	29.964	30.500	29.420	29.4	36.1	36.1	42.1	25.9	34.0	69	1	23	24	27	77	60	70	.142	.147	.165	3.27	1.31	3.7	3.9	4.4	4.5
March	29.670	30.338	28.880	34.1	41.6	40.0	46.4	30.3	38.4	62	18	26	30	30	72	63	68	.151	.172	.177	3.50	1.53	4.8	4.4	4.0	4.7
April	29.912	30.480	29.060	43.1	50.3	47.1	54.9	37.9	46.4	76	29	35	39	37	74	66	68	.213	.247	.223	2.09	.92	4.8	5.3	4.1	5.6
May	29.852	30.280	29.560	59.4	66.9	61.5	71.1	51.8	61.4	95	42	49	51	50	70	60	68	.359	.392	.377	5.45	2.48	5.0	5.2	5.5	5.3
June	29.858	30.250	29.370	67.8	74.8	71.2	79.1	61.8	70.4	93	44	59	62	62	76	67	74	.519	.573	.553	2.43	.81	5.1	4.6	5.0	4.8
July	29.793	30.064	29.480	70.9	78.2	75.1	82.4	64.5	73.4	100	53	62	63	64	73	62	71	.556	.586	.610	1.65	.64	4.5	4.2	3.8	4.7
August	29.889	30.230	29.450	67.4	75.8	72.2	79.5	61.9	70.7	94	51	59	59	60	76	58	68	.512	.515	.533	1.35	.57	4.2	4.3	5.1	4.8
September	29.881	30.254	29.560	64.8	74.2	69.3	77.1	59.5	68.3	86	47	58	61	60	80	64	73	.512	.548	.538	.47	.16	6.0	4.7	3.5	5.2
October	29.940	30.264	29.350	47.4	58.0	54.8	61.7	44.0	52.8	77	31	40	42	43	76	57	67	.259	.282	.300	2.50	.89	4.1	4.7	3.9	4.7
November	30.054	30.670	29.040	40.2	47.4	45.7	49.9	36.7	43.3	62	14	34	34	36	78	63	70	.213	.225	.233	6.73	2.24	5.5	5.8	4.8	5.4
December	29.919	30.520	29.330	30.0	35.7	34.5	38.4	27.0	32.7	55	6	23	24	25	73	64	68	.129	.135	.139	2.42	1.13	6.2	5.6	4.9	5.7
Year	29.905	30.700	28.880	48.5	56.1	53.3	60.0	43.8	51.9	100	1	41	43	43	75	63	70	.308	.331	.333	34.72	2.48	5.0	4.9	4.6	5.2

NEW ORLEANS, LA.

[ϕ=29° 57′ N.; λ=90° 04′ 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	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	30.148	30.590	29.740	48.2	56.8	54.3	60.4	44.8	52.6	77	22	44	45	47	86	66	76	0.324	0.346	0.358	6.89	3.93	5.3	6.1	5.2	5.9
February	30.065	30.340	29.685	55.6	66.4	63.3	69.6	53.5	61.6	79	35	52	57	56	90	72	78	.414	.482	.460	2.98	.98	4.9	5.6	5.3	5.4
March	29.958	30.400	29.440	54.7	63.0	61.0	66.0	52.5	59.2	81	40	50	50	52	84	64	74	.378	.381	.408	5.88	3.07	6.3	6.4	5.9	6.5
April	29.996	30.320	29.810	64.8	76.7	72.7	79.3	62.3	70.8	86	52	58	59	60	81	55	67	.501	.508	.529	2.89	1.83	3.6	3.8	4.2	3.6
May	29.974	30.220	29.710	72.4	81.1	76.8	83.7	69.3	76.5	88	60	67	66	65	85	60	69	.682	.642	.637	4.31	2.11	5.1	6.3	5.9	5.7
June	29.929	30.140	29.650	75.9	85.7	83.3	89.3	72.4	80.8	101	66	69	64	67	79	50	60	.714	.614	.686	1.27	1.20	2.7	3.7	2.6	3.4
July	29.987	30.130	29.740	79.4	88.2	84.0	91.8	75.1	83.4	99	67	72	70	72	79	56	69	.794	.731	.789	6.11	1.19	3.8	4.5	6.2	5.0
August	29.970	30.130	29.810	78.6	86.1	83.1	90.2	75.4	82.8	96	70	72	70	72	82	61	71	.800	.748	.800	9.49	5.30	3.8	5.7	5.8	5.1
September	29.919	30.120	29.800	75.3	83.0	78.6	85.6	72.9	79.2	92	64	72	71	72	89	69	80	.788	.774	.782	7.30	1.27	5.2	7.0	6.9	6.4
October	29.986	30.490	29.720	65.4	75.6	71.2	77.7	63.8	70.8	86	46	58	59	59	79	58	68	.519	.533	.537	4.81	1.60	3.8	4.9	4.2	4.1
November	30.085	30.550	29.670	57.8	66.1	63.6	68.8	56.2	62.5	85	41	53	56	56	84	72	78	.441	.488	.484	8.57	2.73	5.2	5.5	4.3	5.3
December	30.101	30.360	29.760	48.7	55.9	53.8	59.0	46.3	52.6	74	36	42	43	43	78	63	69	.278	.294	.296	1.80	.50	6.8	7.0	5.2	6.7
Year	30.010	30.590	29.440	64.7	73.7	70.5	76.8	62.0	69.4	101	22	59	59	60	83	62	72	.553	.545	.564	62.30	5.30	4.7	5.5	5.1	5.3

NEW YORK, N. Y.

[ϕ=40° 43′ N.; λ=74° 00′ 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	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	29.884	30.430	29.390	32.1	35.7	34.7	40.6	26.7	33.6	65	10	24	27	26	72	70	68	0.156	0.167	0.155	2.58	0.89	6.1	7.4	5.6	7.8
February	29.741	30.250	29.180	32.6	38.6	39.2	45.0	29.0	37.0	73	7	24	26	28	70	60	65	.145	.159	.171	3.40	1.52	5.2	6.4	5.1	6.1
March	29.449	30.140	28.640	35.7	42.4	41.8	47.9	31.7	39.8	62	17	24	26	26	62	53	55	.140	.152	.151	2.16	1.34	5.1	5.9	4.2	5.7
April	29.689	30.230	28.810	44.4	51.1	48.7	55.2	40.1	47.6	73	29	33	33	34	66	53	59	.198	.201	.207	2.01	.76	6.2	6.7	4.7	6.4
May	29.641	30.070	29.290	59.3	66.4	64.3	71.0	54.3	62.6	89	44	46	46	46	64	51	54	.321	.330	.319	2.89	1.05	7.1	5.5	4.3	6.3
June	29.645	30.012	29.210	68.2	76.2	72.6	79.6	64.1	71.8	90	48	60	60	61	76	60	70	.521	.528	.539	2.60	1.04	5.1	5.9	3.5	5.7
July	29.589	29.848	29.290	71.5	78.9	76.3	83.1	66.8	75.0	99	56	62	62	63	73	58	66	.559	.572	.582	5.05	2.70	5.3	6.2	4.7	6.1
August	29.674	29.998	29.270	68.5	76.4	73.5	79.8	65.9	72.8	93	55	60	60	60	76	60	65	.534	.537	.533	3.43	2.66	5.1	5.5	4.1	5.5
September	29.670	30.000	29.340	67.1	74.3	70.8	78.0	64.4	71.2	89	51	60	57	58	77	56	66	.531	.494	.506	1.37	.61	5.7	5.1	3.4	5.7
October	29.727	30.061	29.210	50.5	58.1	56.7	62.1	47.9	55.0	76	36	41	40	43	70	53	61	.276	.270	.293	1.76	.77	4.5	5.1	3.8	5.3
November	29.835	30.440	28.885	42.8	47.9	46.7	52.1	39.5	45.8	64	16	36	38	38	78	68	72	.234	.246	.250	5.43	1.77	4.9	6.5	5.4	6.6
December	29.703	30.282	29.170	32.2	36.7	36.0	41.3	28.8	35.0	56	9	24	24	25	71	61	64	.134	.138	.140	2.65	1.90	5.8	6.6	6.0	6.8
Year	29.687	30.440	28.640	50.4	56.9	55.1	61.3	46.6	53.9	99	7	41	42	42	71	59	64	.312	.316	.320	35.33	2.70	5.5	6.1	4.6	6.2

NORFOLK, VA.

[ϕ=36° 51′ N.; λ=76° 17′ 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	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	30.154	30.670	29.710	40.2	46.6	43.3	51.6	36.3	44.0	74	21	36	38	37	86	73	79	0.235	0.253	0.239	4.09	1.00	6.5	7.0	5.4	6.8
February	30.035	30.480	29.430	42.0	52.0	49.1	57.9	38.6	48.2	81	15	34	35	38	76	53	68	.210	.222	.248	1.24	.47	3.6	4.6	3.1	3.9
March	29.786	30.380	29.070	43.4	51.4	48.5	57.1	39.2	48.2	74	24	34	32	35	69	50	61	.209	.194	.215	1.68	.45	5.0	4.7	3.5	4.7
April	29.958	30.410	29.240	52.6	60.7	56.2	66.5	47.6	57.0	92	39	42	40	44	69	51	66	.283	.272	.300	2.38	.76	4.4	5.3	6.6	5.4
May	29.942	30.240	29.550	64.7	73.4	70.4	78.7	59.4	69.0	91	50	55	51	52	71	47	55	.444	.391	.404	1.63	.85	4.4	4.7	4.6	4.6
June	29.920	30.340	29.570	71.5	79.6	76.1	83.6	66.4	75.0	94	53	64	59	63	78	53	67	.609	.525	.596	5.90	3.46	5.2	5.1	4.8	4.9
July	29.869	30.115	29.620	76.2	84.5	79.4	88.0	71.6	79.8	98	66	68	66	68	77	55	69	.693	.654	.696	2.50	1.19	4.5	4.2	5.6	4.9
August	29.920	30.200	29.690	72.8	81.5	76.4	85.6	69.1	77.4	100	60	64	60	64	76	50	67	.616	.536	.612	.64	.39	4.7	4.7	4.9	4.7
September	29.929	30.237	29.680	72.6	82.0	75.8	85.5	69.9	77.7	96	61	66	62	66	80	53	73	.647	.580	.653	.57	.32	6.3	4.4	4.4	5.4
October	29.996	30.353	29.660	55.7	63.0	59.5	66.4	53.0	59.7	85	39	47	44	45	73	52	61	.343	.312	.329	2.00	1.21	4.5	4.4	4.1	4.4
November	30.104	30.720	29.360	47.0	54.5	51.0	57.6	44.4	51.0	74	22	40	40	42	78	60	72	.285	.267	.301	1.26	.73	4.9	5.6	5.6	5.9
December	29.992	30.580	29.480	37.2	42.8	41.4	46.9	33.8	40.4	63	21	32	32	32	80	66	69	.189	.185	.188	3.02	.85	5.8	6.1	5.1	6.0
Year	29.967	30.720	29.070	56.3	64.3	60.6	68.8	52.4	60.6	100	15	48	47	49	76	55	67	.397	.368	.398	26.91	3.46	5.0	5.1	4.8	5.1

Annual meteorological summary for the year ending December 31, 1930—Continued

NEW HAVEN, CONN.

[H_b=106 ft.; h_t=74 ft.; h_r=68 ft.; h_a=153 ft.]

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorm	Aurora
	Miles		*Mi.*																									
January	7.5	N.	28	N.	0	15	7	2	2	12	5	9	10	0	6	10	15	10	8	10	6	0	3	11	0	23	0	0
February	7.9	S.	26	NW.	0	11	6	1	2	15	8	6	7	0	14	7	7	15	10	9	6	0	4	5	0	20	1	0
March	9.3	NW.	30	SW.	0	11	7	3	2	7	9	7	16	0	11	12	8	9	7	3	1	0	2	2	0	17	1	0
April	8.9	NW.	26	SE.	0	8	8	6	2	8	9	5	13	1	8	11	11	12	8	2	0	0	4	0	0	4	1	0
May	7.9	NW.	29	NW.	0	14	4	6	2	5	7	10	14	0	14	8	9	13	8	0	0	0	0	0	3	0	6	1
June	7.6	S.	30	SW.	0	3	2	2	10	22	8	8	5	0	11	13	6	10	9	0	0	0	4	0	3	0	4	0
July	6.7	S.	31	NW.	0	18	3	0	4	14	15	2	6	0	14	10	7	9	5	0	0	0	0	0	3	0	5	0
August	7.2	S.	37	N.	1	19	5	0	5	13	8	3	8	1	12	12	7	8	7	0	0	1	0	0	3	0	5	0
September	6.2	S.	23	SW.	0	13	0	0	2	17	9	9	10	0	9	15	6	8	7	0	0	0	1	0	0	0	2	0
October	7.8	N.	26	N.	0	25	5	2	4	5	4	4	13	0	12	10	9	10	7	0	0	0	1	0	0	2	1	0
November	9.0	N.	33	S.	1	18	2	5	3	6	11	2	13	0	11	7	12	10	9	2	0	0	3	1	0	10	2	0
December	8.3	N.	33	N.	1	25	5	0	1	3	12	7	9	0	14	1	16	8	8	8	3	0	0	4	0	21	0	0
Year	7.9	N.	37	N.	3	180	54	27	39	127	105	72	124	2	136	116	113	122	93	34	16	1	22	23	12	97	28	1

NEW ORLEANS, LA.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	6.6	N.	30	NE.	0	14	13	9	14	5	1	2	4	0	10	7	14	9	8	0	0	0	3	0	0	6	3	0
February	5.9	SE.	23	NE.	0	5	11	11	12	9	3	3	2	0	10	8	10	7	7	0	0	0	3	0	0	0	4	0
March	6.8	NE.	23	NW.	0	8	13	6	7	5	9	6	8	0	8	10	13	16	12	0	0	0	2	0	0	0	3	0
April	5.7	SE.	17	NW.	0	3	11	8	17	10	5	5	1	0	15	11	4	6	5	0	0	0	3	0	0	0	4	0
May	6.4	SE.	22	NE.	0	3	10	9	26	10	0	2	2	0	9	13	9	4	3	0	0	0	0	0	0	0	5	0
June	5.7	E.	19	E.	0	2	11	7	12	4	9	14	0	1	19	8	3	5	1	0	0	0	0	0	15	0	2	0
July	4.1	SW.	20	NE.	0	2	1	5	4	5	25	17	3	0	9	15	7	12	11	0	0	0	0	0	24	0	17	0
August	3.8	SE.	16	NE.	0	3	7	5	12	5	9	10	4	7	10	15	6	9	8	0	0	0	0	0	19	0	14	0
September	4.8	NE.	18	SW.	0	4	17	5	14	3	10	4	0	3	3	17	10	20	17	0	0	0	2	0	7	0	11	0
October	6.2	NE.	20	N.	0	4	20	15	14	2	0	1	6	0	16	8	7	9	8	0	0	1	0	0	0	0	3	0
November	6.2	NE.	20	NW.	0	8	13	6	13	3	1	10	6	0	13	5	12	14	12	0	0	0	5	0	0	0	2	0
December	6.0	NW.	23	E.	0	9	13	8	8	2	4	5	11	2	7	5	19	10	7	0	0	0	2	0	0	0	1	0
Year	5.7	SE.	30	NE.	0	65	140	94	153	63	76	79	47	13	129	122	114	121	99	0	0	1	20	0	65	6	69	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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	13.4	NW.	46	NW.	10	5	9	4	4	8	8	9	15	0	3	6	22	9	7	10	5	0	4	8	0	20	0	0
February	14.7	NW.	58	W.	6	6	4	3	1	7	10	9	18	0	5	11	12	11	5	10	5	0	5	3	0	18	1	0
March	18.3	NW.	55	NW.	16	2	5	2	5	7	9	7	25	0	9	12	10	8	7	4	0	0	2	1	0	13	0	0
April	14.9	NW.	57	W.	11	3	7	3	5	7	8	6	21	0	6	12	12	11	8	1	0	0	2	0	0	3	2	0
May	14.6	NW.	50	NW.	9	7	3	6	3	5	7	7	24	0	6	13	12	9	7	0	0	0	0	0	0	0	7	2
June	13.6	S.	52	SE.	5	1	5	0	9	14	9	10	12	0	7	15	8	10	7	0	0	1	3	0	1	0	5	0
July	11.2	NW.	36	NW.	2	12	0	3	6	10	11	5	14	2	6	15	10	10	9	0	0	1	0	0	4	0	9	0
August	10.4	SW.	48	N.	2	8	6	4	5	16	9	3	10	1	7	16	8	9	6	0	0	1	1	0	4	0	2	0
September	10.8	S.	43	NW.	2	5	5	4	3	15	7	11	10	0	7	15	8	11	6	0	0	0	0	0	0	0	7	0
October	12.2	N.	54	NW.	6	16	9	2	2	7	7	4	15	0	10	11	10	8	5	0	0	0	1	0	0	0	2	0
November	13.6	SW.	48	S.	9	2	9	9	1	6	11	10	12	0	7	8	15	9	8	3	0	0	5	1	0	7	4	0
December	14.2	NW.	55	NW.	13	6	7	5	1	1	9	9	24	0	6	7	18	12	7	6	5	0	0	3	0	20	0	0
Year	13.5	NW.	58	W.	91	73	69	45	44	103	105	90	198	3	79	141	145	117	82	34	15	3	23	16	9	81	39	2

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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	11.1	N.	35	N.	3	14	12	3	8	15	4	3	3	0	6	8	17	14	12	4	3	0	3	0	0	12	0	0
February	10.8	S.	34	W.	4	8	7	6	9	10	8	5	3	0	13	10	5	6	5	2	2	0	1	1	0	4	2	0
March	13.2	W.	42	W.	7	4	5	7	9	10	10	16	1	0	15	6	10	10	8	0	0	0	0	0	0	5	1	0
April	11.0	NE.	56	W.	3	8	12	11	9	6	3	10	1	0	11	8	11	8	8	0	0	1	1	0	1	0	4	0
May	11.3	SW.	37	N.	1	10	2	7	2	17	13	9	2	0	11	10	10	6	6	0	0	0	0	0	1	0	5	0
June	9.8	S.	36	NW.	1	1	3	5	12	18	6	11	4	0	11	9	10	8	6	0	0	0	0	0	4	0	1	0
July	9.9	S.	50	NW.	1	6	5	8	6	16	11	7	3	0	12	11	8	10	6	0	0	1	0	0	12	0	7	0
August	9.6	NE.	32	NE.	0	7	12	10	7	11	7	7	1	0	12	9	10	6	4	0	0	0	0	0	11	0	3	0
September	9.4	S.	29	SW.	0	1	5	12	6	14	11	10	1	0	10	12	8	5	3	0	0	0	0	0	10	0	4	0
October	10.7	NE.	36	NW.	1	15	21	3	3	4	6	6	4	0	15	8	8	7	6	0	0	0	0	0	0	0	0	0
November	11.3	NE.	49	NE.	4	12	13	4	4	9	7	8	2	1	10	5	15	11	6	0	0	0	6	1	0	5	0	0
December	10.9	N.	39	NW.	1	12	13	5	2	10	3	9	8	0	9	8	14	9	8	5	2	0	0	1	0	13	0	0
Year	10.8	S.	56	W.	26	98	110	81	77	140	89	101	33	1	135	104	126	100	78	11	7	2	11	3	39	39	27	0

Annual meteorological summary for the year ending December 31, 1930—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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.825	30.270	29.200	31.7	34.8	35.0	37.5	29.0	33.2	50	18	25	26	26	75	71	71	0.145	0.152	0.154	3.80	1.18	5.3	5.3	6.4	6.0
February	29.779	30.200	28.820	43.7	46.5	46.6	48.9	40.0	44.4	58	33	40	42	40	89	84	81	.258	.265	.257	6.48	.93	6.3	7.1	7.6	7.6
March	29.875	30.215	29.400	44.4	48.3	48.3	50.9	42.2	46.6	66	34	39	40	40	83	76	75	.246	.257	.254	3.78	1.37	6.2	6.1	6.3	5.8
April	29.788	30.030	29.450	48.5	52.6	51.7	55.4	46.1	50.8	69	40	45	45	46	88	77	83	.302	.302	.317	2.57	.57	8.4	7.8	7.7	7.0
May	29.831	30.250	29.480	48.0	51.7	51.1	53.2	46.5	49.8	61	39	44	45	45	86	78	80	.287	.297	.300	3.20	1.37	8.7	6.8	6.9	6.8
June	29.869	30.070	29.520	52.0	56.5	56.3	58.4	50.7	54.6	70	47	48	50	50	89	81	78	.342	.368	.356	1.34	.36	7.7	7.2	6.9	6.2
July	29.925	30.070	29.721	53.6	57.2	57.7	58.9	52.4	55.6	66	48	51	52	52	91	84	83	.373	.394	.394	.04	.03	7.3	7.8	5.7	6.4
August	29.857	30.008	29.670	58.0	61.9	62.6	63.9	56.8	60.4	68	53	56	57	57	92	85	84	.444	.469	.470	.19	.13	6.9	4.5	4.4	5.5
September	29.791	29.990	29.380	54.2	58.4	57.1	59.9	52.5	56.2	76	47	53	55	54	94	89	91	.399	.433	.424	2.97	1.03	5.7	6.0	6.1	7.9
October	29.841	30.220	29.300	51.1	54.5	55.2	57.3	49.1	53.2	67	43	47	48	48	87	82	78	.325	.345	.338	3.26	1.28	5.6	5.7	5.6	7.2
November	29.878	30.480	28.830	47.9	51.3	51.1	54.0	45.1	49.6	68	36	44	45	45	86	81	80	.290	.304	.300	3.85	1.26	5.6	6.9	6.8	7.3
December	29.951	30.282	29.340	44.5	47.1	46.3	49.2	42.0	45.6	54	34	38	40	40	79	77	79	.234	.251	.248	4.90	1.09	5.2	6.6	7.7	7.2
Year	29.851	30.480	28.820	48.1	51.7	51.6	54.0	46.0	50.0	76	18	44	45	45	87	80	80	.304	.320	.318	36.38	1.37	6.6	6.5	6.5	6.7

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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	27.168	27.510	26.650	3.3	16.2	14.2	22.0	−0.8	10.6	60	−26	0	6	7	83	64	73	0.044	0.060	0.061	0.51	0.25	3.6	4.7	3.9	4.9
February	27.006	27.390	26.580	29.9	46.8	44.5	53.2	27.4	40.3	74	15	26	27	27	84	48	53	.138	.149	.150	.24	.22	5.2	4.6	5.6	4.9
March	27.022	27.680	26.566	25.1	45.3	43.1	50.0	23.0	36.5	73	6	19	20	20	76	38	42	.106	.109	.108	.29	.29	4.5	3.7	4.6	4.3
April	27.032	27.380	26.680	42.6	62.6	61.9	67.4	41.1	54.2	92	22	36	37	37	78	45	47	.222	.230	.234	3.46	1.36	5.9	4.9	5.9	5.8
May	26.998	27.347	26.590	48.0	63.6	63.9	68.0	45.7	56.8	92	33	42	42	42	80	50	51	.274	.278	.282	6.10	1.70	5.4	5.2	6.5	5.8
June	27.004	27.355	26.580	58.3	75.8	77.1	80.6	56.1	68.4	96	43	53	54	55	82	50	49	.403	.436	.449	4.06	1.26	3.4	3.2	4.0	3.7
July	27.087	27.390	26.770	66.6	87.8	86.9	91.5	64.7	78.1	102	55	58	56	57	74	36	39	.481	.465	.476	.60	.33	4.8	2.6	4.2	3.4
August	27.103	27.340	26.840	64.8	82.3	80.9	87.0	63.7	75.4	102	57	61	61	62	89	51	56	.541	.534	.561	1.72	.53	6.8	4.3	5.8	5.0
September	27.049	27.410	26.630	53.1	75.0	72.3	79.8	51.5	65.6	95	37	48	48	50	85	42	48	.350	.348	.374	1.52	.51	4.3	3.7	4.0	3.9
October	27.093	27.480	26.640	42.0	58.1	53.4	61.9	39.4	50.6	86	23	38	39	39	85	51	60	.252	.264	.267	4.15	1.72	5.3	4.6	3.8	4.8
November	27.080	27.610	26.340	27.4	45.5	39.8	49.4	24.9	37.2	70	13	24	27	27	85	53	62	.129	.148	.146	1.93	1.42	3.7	4.8	3.0	4.5
December	27.150	27.520	26.880	22.5	34.6	30.5	38.0	20.8	29.4	48	14	20	23	24	88	62	77	.104	.129	.128	.17	.12	2.9	3.6	3.2	3.7
Year	27.066	27.680	26.340	40.3	57.8	55.7	62.4	38.1	50.3	102	−26	35	37	37	82	49	55	.254	.262	.270	24.75	1.72	4.6	4.2	4.5	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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	28.922	29.380	28.370	19.0	26.3	25.2	31.9	14.4	23.2	63	−9	16	18	18	88	71	74	0.101	0.108	0.106	2.69	1.50	6.1	6.2	5.6	6.7
February	28.719	29.173	28.310	42.8	55.9	55.0	61.6	40.1	50.8	80	29	38	40	41	82	57	61	.236	.257	.240	1.29	.95	3.9	4.0	2.4	3.9
March	28.694	29.350	27.970	38.9	56.2	54.3	60.7	36.9	48.8	75	21	29	28	29	68	36	39	.176	.171	.170	.25	.19	3.5	4.0	3.4	4.0
April	28.572	28.950	28.280	56.9	73.7	72.6	78.2	55.3	66.8	90	46	46	46	45	70	42	44	.330	.330	.331	2.30	1.37	5.2	5.4	4.8	5.2
May	28.660	29.130	28.100	61.0	73.5	72.0	77.4	57.5	67.4	87	48	56	59	58	86	64	63	.468	.519	.493	7.53	2.61	5.1	5.2	5.1	5.3
June	28.653	28.980	28.453	69.7	83.3	82.3	86.9	67.3	77.1	99	58	62	63	63	77	52	54	.562	.591	.589	8.76	6.96	5.1	3.3	3.9	4.8
July	28.726	28.960	28.560	74.0	91.6	90.1	95.5	72.4	84.0	104	60	62	63	62	68	41	40	.570	.586	.556	.60	.54	2.8	3.2	2.4	3.0
August	28.709	28.930	28.473	73.0	91.4	89.2	95.9	71.4	83.6	106	63	63	62	61	72	40	42	.579	.560	.550	3.12	1.27	3.5	2.7	1.8	3.0
September	28.668	28.970	28.320	67.3	84.5	82.3	89.5	65.6	77.6	102	45	59	59	57	76	43	44	.529	.523	.489	.16	.13	4.0	2.8	3.4	4.3
October	28.776	29.250	28.340	53.5	65.6	62.0	69.4	51.6	60.5	87	35	48	49	49	82	58	65	.360	.382	.375	6.10	2.73	5.6	4.6	4.0	5.3
November	28.807	29.330	28.104	42.9	57.9	53.5	62.2	40.2	51.2	80	28	35	37	36	73	48	54	.218	.235	.229	2.11	.92	2.8	2.1	2.3	2.6
December	28.861	29.190	28.500	33.5	45.1	42.3	49.0	31.7	40.4	62	24	29	31	32	82	59	67	.162	.177	.182	3.52	2.64	3.0	4.3	4.5	4.4
Year	28.739	29.380	27.970	52.7	67.1	65.1	71.5	50.4	61.0	106	−9	45	46	46	77	51	54	.358	.370	.359	38.43	6.96	4.2	4.0	3.6	4.4

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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.023	29.400	28.440	10.1	16.0	16.7	21.5	6.6	14.0	55	−16	5	7	9	80	68	73	0.057	0.063	0.070	1.73	0.60	4.1	3.9	3.8	4.5
February	28.782	29.338	28.270	35.4	44.6	44.1	50.1	31.6	40.8	70	4	28	28	30	75	54	60	.161	.161	.181	.21	.16	5.5	5.1	4.3	4.8
March	28.776	29.380	28.300	31.2	43.4	44.6	50.1	28.8	39.4	79	6	22	20	20	67	39	39	.122	.116	.121	.65	.60	2.8	3.4	3.3	3.4
April	28.809	29.058	28.390	47.7	60.2	61.6	66.0	45.8	55.9	93	28	35	36	36	65	48	47	.225	.234	.239	2.37	.66	5.2	5.6	5.3	5.5
May	28.759	29.170	28.080	55.2	65.2	66.6	71.3	51.9	61.6	89	38	46	46	46	72	53	52	.325	.322	.335	2.74	.88	5.1	5.4	4.6	5.0
June	28.743	29.042	28.360	64.5	77.9	77.9	82.1	61.0	71.6	100	50	55	54	55	72	45	46	.445	.435	.447	1.56	.34	3.1	3.8	4.1	3.6
July	28.792	29.130	28.570	74.1	87.8	90.0	93.9	72.2	83.0	109	56	59	58	58	60	39	36	.504	.493	.492	1.03	.72	3.3	2.3	1.5	2.3
August	28.840	29.110	28.512	69.2	81.8	79.8	86.6	66.8	76.7	111	60	60	61	62	75	52	59	.533	.549	.573	6.28	2.68	4.9	5.0	5.5	5.3
September	28.771	29.150	28.310	60.3	74.2	73.0	79.4	57.9	68.6	93	43	52	52	52	75	49	51	.407	.425	.417	.65	.47	3.7	3.6	3.4	3.7
October	28.879	29.370	28.380	46.2	57.9	56.5	62.5	44.8	53.6	88	22	40	39	39	77	51	53	.277	.281	.273	.81	.40	4.5	4.3	4.0	4.4
November	28.845	29.400	28.040	37.2	49.2	46.2	54.1	33.8	44.0	70	11	29	31	30	70	49	54	.172	.189	.179	2.17	1.64	2.9	3.0	3.4	3.2
December	28.930	29.430	28.560	27.0	33.0	33.0	37.8	24.4	31.1	60	13	21	23	23	78	65	66	.114	.123	.124	.15	.09	5.6	5.5	4.7	5.5
Year	28.829	29.430	28.040	46.5	57.6	57.5	63.0	43.8	53.4	111	−16	38	38	38	72	51	53	.278	.283	.288	20.35	2.68	4.2	4.2	4.0	4.3

Annual meteorological summary for the year ending December 31, 1930—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 33 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorm	Aurora
	Miles		*Mi.*																									
January	12.9	E.	50	S.	5	5	4	33	8	3	5	2	1	1	10	6	15	17	10	6	2	1	2	7	0	21	0	0
February	16.6	S.	72	S.	13	7	2	4	12	15	11	3	2	0	4	7	17	21	20	0	0	1	6	0	0	0	0	0
March	14.6	N.	50	S.	11	22	4	10	0	10	6	6	4	0	12	4	15	12	9	0	0	0	4	0	0	0	0	0
April	13.6	S.	62	S.	9	13	0	5	6	19	7	5	5	0	4	12	14	20	13	0	0	0	1	0	0	0	0	0
May	15.0	N.	50	SW.	11	24	2	1	1	5	5	12	11	1	4	12	15	17	13	0	0	1	0	0	0	0	0	0
June	12.7	N.	37	N.	5	18	0	1	4	6	8	13	10	0	7	9	14	11	7	0	0	0	2	0	0	0	0	0
July	13.7	N.	33	N.	1	46	0	0	0	6	2	1	7	0	4	15	12	2	0	0	0	0	8	0	0	0	0	0
August	11.7	N.	35	S.	2	39	1	1	4	8	2	0	7	0	7	13	11	5	1	0	0	0	5	0	0	0	1	0
September	11.9	N.	46	S.	4	32	1	1	5	10	2	5	3	1	2	8	20	12	10	0	0	0	9	0	0	0	2	0
October	11.2	N.	42	S.	8	22	0	3	14	15	0	4	4	0	4	12	15	16	12	0	0	0	9	0	0	0	0	0
November	11.7	SE.	60	S.	8	11	3	7	16	14	2	2	3	2	6	5	19	14	13	0	0	1	4	0	0	0	0	1
December	13.8	SE.	58	S.	9	8	9	10	30	5	4	4	1	0	4	8	19	20	16	0	0	0	0	0	0	0	0	0
Year	13.2	N.	72	S.	86	247	17	76	100	116	54	57	58	5	68	111	186	167	124	6	2	4	50	7	0	21	3	1

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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	5.7	W.	20	N.	0	11	8	2	3	2	4	21	11	0	14	5	12	9	5	15	9	0	0	23	0	31	0	0
February	6.4	W.	22	NW.	0	6	3	1	5	1	5	31	4	0	11	10	7	2	1	3	1	0	2	0	0	22	0	0
March	8.3	N.	28	N.	0	16	4	5	2	6	3	15	11	0	14	9	8	1	1	8	1	0	1	3	0	30	0	0
April	6.7	SE.	28	N.	0	11	2	12	11	6	5	6	4	3	12	4	14	8	7	2	2	0	2	0	1	2	5	0
May	7.1	E.	28	N.	0	10	5	13	9	7	3	3	8	4	10	6	15	13	10	2	2	1	0	0	1	0	6	0
June	5.7	SE.	29	SW.	0	5	7	3	20	10	3	7	3	2	18	4	8	16	11	0	0	1	0	0	4	0	13	0
July	5.2	S.	30	NE.	0	1	9	3	13	18	12	3	3	0	21	4	6	6	5	0	0	0	3	0	19	0	5	0
August	4.9	SE.	21	NW.	0	1	9	8	13	11	8	8	3	1	12	8	11	17	11	0	0	0	1	0	11	0	16	0
September	4.9	SE.	25	SW.	0	6	5	6	13	11	2	9	4	4	16	10	4	5	5	0	0	2	3	0	1	0	7	0
October	5.6	SE.	22	N.	0	7	3	6	16	10	5	8	7	0	15	5	11	8	7	3	3	0	1	2	0	13	3	1
November	6.2	W.	30	N.	0	10	2	3	8	5	7	16	8	1	12	10	8	3	3	5	3	0	1	3	0	27	0	0
December	5.5	W.	23	N.	0	2	1	2	3	6	5	31	11	1	20	3	8	3	2	4	3	0	2	6	0	31	0	0
Year	6.0	W.	30	N.	0	86	58	64	116	93	62	158	77	16	175	78	112	91	68	42	24	4	16	37	37	156	55	1

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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	9.1	N.	25	NW.	0	28	1	1	8	14	2	3	4	1	10	5	16	9	8	8	5	0	0	18	0	29	0	0
February	9.7	S.	30	N.	0	10	1	1	8	27	4	2	3	0	13	9	6	5	4	0	0	1	3	0	0	6	3	0
March	10.4	S.	31	N.	0	21	0	1	4	21	2	2	11	0	16	9	6	3	2	1	0	0	0	0	0	11	1	0
April	9.4	S.	27	S.	0	8	7	4	13	17	3	2	6	0	12	6	12	5	4	0	0	0	0	0	2	0	6	0
May	9.1	S.	40	SW.	2	8	7	5	11	27	0	2	2	0	11	7	13	11	10	0	0	2	0	0	0	0	12	0
June	9.2	S.	22	N.	0	3	8	4	15	27	0	0	1	2	13	9	8	8	6	0	0	0	1	0	12	0	7	0
July	7.6	S.	20	NE.	0	4	8	4	11	34	1	0	0	0	20	8	3	2	2	0	0	0	0	0	26	0	2	0
August	6.7	S.	34	NW.	1	0	3	14	13	32	0	0	0	0	22	6	3	5	5	0	0	0	0	0	25	0	7	0
September	8.1	S.	28	NW.	0	4	2	4	10	29	3	3	3	2	16	7	7	3	1	0	0	0	0	0	15	0	6	0
October	7.8	S.	22	S.	0	11	5	3	18	14	2	1	6	2	11	10	10	10	9	0	0	0	0	0	0	0	4	0
November	8.6	S.	30	SW.	0	5	3	4	6	21	6	5	7	3	22	2	6	4	4	0	0	0	0	0	0	3	2	0
December	7.4	S.	22	NW.	0	11	3	4	2	14	4	10	11	3	17	3	11	7	5	4	3	0	2	2	0	18	0	0
Year	8.6	S.	40	SW.	3	113	48	49	119	277	27	30	54	13	183	81	101	72	60	13	8	3	6	20	80	67	50	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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	8.5	NW.	31	N.	0	10	2	4	2	10	7	2	25	0	13	9	9	10	6	13	10	0	1	24	0	28	0	0
February	7.3	NW.	29	NW.	0	7	0	2	5	16	6	4	16	0	9	14	5	3	2	3	1	0	0	2	0	14	0	0
March	10.3	NW.	33	NW.	1	11	5	2	3	13	2	1	24	1	17	9	5	4	2	6	1	1	0	2	0	21	3	0
April	6.9	E.	30	NW.	0	9	9	11	4	12	2	2	11	0	12	5	13	9	9	0	0	0	0	0	1	1	3	0
May	7.4	S.	24	NW.	0	12	2	3	12	13	6	2	11	1	14	7	10	10	9	0	0	0	0	0	0	0	7	0
June	6.8	S.	33	N.	1	8	5	5	7	17	7	2	8	1	17	10	3	5	4	0	0	0	1	0	3	0	9	0
July	5.8	S.	20	N.	0	13	2	4	12	21	5	3	2	0	24	6	1	7	4	0	0	0	0	0	19	0	5	0
August	4.4	E.	35	NW.	1	7	6	18	11	13	2	0	3	2	6	19	6	14	13	0	0	2	1	0	10	0	14	0
September	5.8	S.	32	NW.	0	10	4	9	8	12	4	2	10	1	17	6	7	4	3	0	0	0	1	0	2	0	2	0
October	6.7	S.	30	NW.	0	6	0	4	10	19	0	5	15	3	13	10	8	8	5	2	0	0	0	0	0	0	9	1
November	7.9	S.	41	NW.	2	8	0	1	13	11	9	5	10	3	18	5	7	4	4	5	1	0	0	3	0	13	1	0
December	6.7	NW.	29	NW.	0	9	6	1	6	5	7	7	21	0	12	5	14	3	3	10	2	0	3	7	0	29	0	0
Year	7.0	S.	41	NW.	5	110	41	64	93	162	57	35	156	12	172	105	88	81	64	39	15	3	7	38	35	115	45	0

Annual meteorological summary for the year ending December 31, 1930—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	29.807	30.460	29.260	23.1	26.3	26.1	32.5	17.8	25.2	55	−4	18	20	19	81	77	74	0.112	0.120	0.114	3.15	0.67	9.0	9.3	7.7	8.8
February	29.675	30.155	29.280	24.5	29.6	28.2	34.9	18.7	26.8	58	−8	20	21	22	81	70	78	.119	.124	.130	1.28	.35	7.8	7.9	7.6	7.8
March	29.414	30.166	28.700	29.2	33.4	33.1	38.1	25.7	31.9	58	10	22	25	26	75	70	76	.124	.140	.148	3.53	1.35	7.5	7.1	7.2	7.2
April	29.641	30.070	28.820	40.0	43.7	43.1	48.7	35.0	41.8	68	24	32	33	35	73	66	72	.187	.197	.209	2.02	.95	7.0	6.5	5.8	6.7
May	29.609	29.951	29.140	54.7	58.3	56.4	63.6	46.5	55.0	84	39	46	47	47	75	69	71	.332	.343	.333	2.83	.70	5.7	5.9	6.1	5.8
June	29.554	29.928	29.120	66.2	71.0	67.4	75.6	57.5	66.6	92	48	56	55	55	70	60	68	.451	.452	.452	4.20	1.03	5.7	6.6	7.1	6.4
July	29.549	29.890	29.150	66.9	71.5	70.3	76.3	60.9	68.6	93	52	57	57	57	72	62	65	.472	.474	.480	2.11	.72	4.7	4.0	4.7	4.5
August	29.631	29.970	29.400	66.2	72.2	69.6	76.6	60.0	68.3	93	49	57	56	57	72	60	66	.466	.462	.479	1.34	.73	5.2	5.1	5.3	5.5
September	29.604	29.880	29.190	61.8	69.1	64.2	72.2	55.9	64.0	86	45	54	53	54	75	58	70	.429	.425	.433	3.91	1.52	6.3	5.5	5.1	5.6
October	29.710	30.080	29.240	46.9	54.2	50.8	56.5	41.7	49.1	75	31	41	41	42	80	62	72	.268	.276	.280	2.25	.88	5.8	6.3	5.6	6.3
November	29.738	30.242	28.810	40.0	44.8	43.7	48.2	36.0	42.1	62	10	31	34	33	72	66	70	.193	.210	.202	2.28	.76	8.0	8.4	6.7	8.0
December	29.661	30.260	29.090	27.5	30.3	29.6	33.5	23.3	28.4	43	7	22	23	24	79	74	76	.121	.122	.129	1.14	.29	9.3	9.5	9.2	9.4
Year	29.633	30.460	28.700	45.6	50.4	48.5	54.7	39.9	47.3	93	−8	38	39	39	75	66	72	.273	.279	.283	30.04	1.52	6.8	6.8	6.5	6.8

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	29.687	30.150	29.202	33.9	41.6	40.6	47.1	28.3	37.7	69	−4	29	33	32	85	75	74	0.195	0.217	0.205	3.19	1.05	6.3	6.1	6.5	6.4
February	29.527	29.870	29.020	52.2	60.6	61.3	66.5	48.8	57.6	83	32	50	51	52	91	72	73	.370	.391	.406	4.21	1.50	6.7	6.2	4.6	5.9
March	29.481	30.050	28.820	47.7	59.5	59.6	64.5	44.6	54.6	81	28	42	42	42	82	56	56	.295	.296	.292	2.15	.92	4.5	5.5	4.0	4.8
April	29.470	29.780	29.213	61.3	76.8	76.5	81.7	59.9	70.8	93	56	54	52	53	78	45	48	.424	.395	.416	.99	.56	4.5	4.3	3.9	4.2
May	29.452	29.840	29.064	66.7	74.6	74.8	79.3	63.2	71.2	86	55	62	61	62	87	66	67	.576	.555	.574	8.20	3.27	6.3	6.1	5.9	6.3
June	29.442	29.640	29.250	71.3	84.7	86.0	89.5	68.9	79.2	100	56	66	63	64	83	49	48	.644	.581	.596	.52	.52	5.2	4.4	2.4	4.0
July	29.492	29.620	29.316	75.7	89.9	89.6	95.0	73.8	84.4	102	67	70	67	66	82	48	48	.725	.660	.653	.74	.38	2.2	3.8	3.5	3.2
August	29.475	29.630	29.283	74.5	88.8	88.1	93.8	73.0	83.4	103	67	68	66	65	82	48	49	.698	.638	.620	2.10	1.59	3.2	3.5	4.1	3.4
September	29.442	29.670	29.170	69.5	82.7	81.1	87.4	67.9	77.6	95	53	66	64	65	89	54	60	.656	.608	.625	2.46	.78	5.0	4.1	2.8	3.9
October	29.533	30.070	29.128	58.3	70.6	67.0	74.2	56.4	65.3	86	37	54	54	56	86	58	68	.436	.450	.465	6.62	4.94	4.7	4.5	3.4	4.4
November	29.615	30.040	28.980	49.8	62.0	59.0	66.1	47.7	56.9	81	34	44	43	44	80	54	59	.314	.319	.309	3.23	1.69	4.7	5.0	4.4	4.8
December	29.637	29.890	29.230	41.1	50.8	49.6	54.9	39.3	47.1	67	26	36	37	38	83	60	66	.222	.227	.236	3.08	1.53	5.0	5.3	4.9	5.4
Year	29.521	30.150	28.820	58.5	70.2	69.4	75.0	56.0	65.5	103	−4	53	53	53	84	57	60	.466	.445	.450	37.49	4.94	4.9	4.9	4.2	4.7

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	29.578	30.080	29.050	30.3	36.9	35.7	42.8	26.1	34.4	69	0	25	26	26	81	63	69	0.151	0.159	0.167	2.16	0.48	7.6	7.1	5.8	8.1
February	29.452	29.850	28.980	36.3	45.6	43.9	51.1	31.7	41.4	77	5	29	30	30	76	58	60	.170	.184	.183	2.30	.86	6.4	6.5	4.1	7.1
March	29.231	29.810	28.590	33.9	45.7	44.2	51.0	30.6	40.8	71	13	27	27	29	77	50	57	.152	.155	.166	3.55	1.05	5.9	5.5	5.3	5.9
April	29.403	29.780	28.750	47.9	62.2	60.0	67.1	44.8	56.0	88	30	37	36	38	67	40	48	.234	.234	.250	1.45	.50	4.2	5.0	5.5	5.6
May	29.414	29.770	29.060	59.5	72.8	69.7	77.2	54.1	65.6	90	39	49	47	49	68	43	49	.355	.341	.359	1.29	.50	4.3	5.4	4.7	5.3
June	29.359	29.746	29.060	66.4	81.1	77.5	84.8	59.9	72.4	96	42	54	52	54	66	39	47	.433	.406	.428	1.17	.61	3.7	5.0	4.1	5.2
July	29.349	29.620	29.074	70.9	84.9	83.7	90.9	65.8	78.4	104	52	57	53	55	61	36	39	.468	.420	.445	1.24	.63	3.6	3.3	3.4	3.8
August	29.403	29.690	29.230	65.6	80.2	77.8	85.4	62.3	73.8	102	49	56	53	55	73	43	50	.471	.426	.458	1.63	.78	5.2	5.0	5.4	5.9
September	29.388	29.634	29.020	62.7	78.7	72.9	82.4	59.2	70.8	95	43	55	53	56	76	43	57	.450	.433	.477	1.01	.33	5.3	5.4	4.2	5.9
October	29.485	29.900	29.140	44.9	59.4	55.0	64.1	42.6	53.4	84	23	39	37	40	79	45	57	.252	.242	.269	.68	.26	4.8	5.0	2.9	5.5
November	29.531	30.110	28.820	37.4	50.2	46.2	54.6	35.1	44.8	74	8	32	33	35	80	53	67	.196	.209	.231	1.11	.35	5.6	5.7	4.4	6.4
December	29.466	30.040	29.060	30.2	35.8	34.5	39.0	27.7	33.4	56	14	25	27	27	80	70	74	.138	.149	.152	2.11	1.14	8.5	7.8	5.8	8.2
Year	29.422	30.110	28.590	48.8	61.1	58.4	65.9	45.0	55.4	104	0	40	40	41	74	49	56	.289	.280	.299	19.70	1.14	5.4	5.6	4.6	6.1

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	30.145	30.560	29.740	47.3	54.0	53.5	58.6	43.5	51.0	69	20	43	45	44	86	73	73	0.319	0.341	0.332	4.64	2.25	6.5	5.4	5.0	5.5
February	30.079	30.330	29.670	54.2	62.3	60.1	64.8	52.6	58.7	75	33	49	51	52	84	69	78	.374	.398	.410	2.24	1.67	3.4	4.7	4.9	4.8
March	29.948	30.340	29.390	52.1	58.6	58.1	61.5	50.3	55.9	70	34	46	44	46	82	61	67	.339	.315	.342	4.38	1.76	6.2	6.4	6.5	6.6
April	30.001	30.350	29.760	63.8	70.5	68.6	72.8	63.0	67.9	79	57	56	55	57	77	62	70	.464	.458	.485	.89	.83	4.8	4.5	4.5	4.5
May	29.993	30.210	29.670	72.3	77.0	75.4	79.5	69.2	74.4	84	60	65	64	64	80	67	71	.637	.617	.622	.90	.40	6.0	6.7	6.0	5.8
June	29.929	30.180	29.660	75.0	81.7	79.1	84.2	72.0	78.1	98	62	67	66	67	76	62	70	.673	.660	.687	2.53	.81	4.5	4.9	5.5	4.8
July	29.975	30.130	29.760	79.8	84.6	82.0	87.2	75.9	81.6	98	68	73	73	74	80	69	75	.815	.810	.824	2.91	.76	6.0	5.6	7.0	5.9
August	29.974	30.160	29.770	76.8	84.0	81.5	85.9	73.2	79.6	90	67	70	69	70	81	63	68	.749	.722	.733	1.06	.41	5.1	6.0	6.2	5.8
September	29.936	30.129	29.810	76.0	80.0	78.7	82.7	72.3	77.5	89	62	72	72	72	87	77	81	.782	.780	.791	18.65	3.99	6.7	7.1	6.7	5.8
October	30.004	30.480	29.760	63.2	71.7	69.3	74.6	60.7	67.6	82	40	55	56	56	74	60	65	.463	.483	.476	4.06	1.26	4.8	4.6	3.5	4.5
November	30.100	30.529	29.700	56.2	61.9	60.9	64.8	53.4	59.1	76	34	51	51	52	84	70	74	.426	.424	.428	14.82	5.55	6.9	6.3	4.7	5.2
December	30.086	30.410	29.770	45.7	52.4	51.9	55.4	43.5	49.4	66	30	41	42	42	85	68	70	.271	.273	.278	3.37	1.18	6.7	7.2	5.6	6.6
Year	30.014	30.560	29.390	63.5	69.9	68.3	72.7	60.8	66.7	98	20	57	57	58	81	67	72	.526	.523	.534	60.47	5.55	5.6	5.8	5.5	5.6

Annual meteorological summary for the year ending December 31, 1930—Continued

OSWEGO, N. Y.

[H_b=335 ft.; h_t=71 ft.; h_r=69 ft.; h_a=85 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 33 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: Thunderstorm	Electricity: Aurora
	Miles		*Mi.*																									
January	11.1	S.	30	NW.	0	6	3	3	14	15	7	6	8	0	0	6	25	17	16	17	11	0	0	18	0	25	0	0
February	9.9	SE.	28	W.	0	9	4	1	14	11	5	5	7	0	1	9	18	15	10	14	11	0	2	14	0	24	0	0
March	10.7	W.	29	NW.	0	1	4	5	10	11	7	10	14	0	6	8	17	16	12	16	10	0	0	8	0	28	0	0
April	9.5	W.	24	NW.	0	6	5	1	10	11	3	14	9	1	6	8	16	12	8	6	2	0	0	0	0	10	1	0
May	8.3	W.	24	NW.	0	3	4	2	5	13	6	25	4	0	9	11	11	16	13	0	0	0	0	0	0	0	4	0
June	7.2	S.	27	S.	0	2	0	1	7	25	9	13	3	0	6	10	14	12	11	0	0	0	0	0	1	0	7	0
July	6.4	W.	18	NW.	0	10	1	0	3	15	9	15	9	0	14	8	9	10	7	0	0	0	0	0	3	0	4	0
August	6.3	S.	20	NW.	0	6	5	4	3	21	5	7	9	2	8	15	8	12	7	0	0	0	1	0	2	0	3	0
September	6.7	S.	22	W.	0	5	1	0	8	26	7	12	1	0	6	17	7	10	9	0	0	0	2	0	0	0	7	1
October	7.1	S.	28	N.	0	7	2	1	15	20	5	3	8	1	7	10	14	11	8	3	2	1	2	0	0	4	0	0
November	10.2	S.	31	NW.	0	1	3	4	17	15	6	4	10	0	1	7	22	10	7	8	5	0	2	3	0	9	0	0
December	9.8	S.	29	NW.	0	5	2	3	8	21	9	2	12	0	0	2	29	18	10	19	13	0	0	10	0	27	0	0
Year	8.6	S.	31	NW.	0	61	34	25	114	204	78	116	94	4	64	111	190	159	118	83	54	1	9	53	6	127	26	1

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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	6.7	N.	21	N.	0	23	8	2	6	7	2	3	11	0	10	4	17	15	10	2	2	0	2	4	0	17	1	0
February	7.9	S.	23	SW.	0	3	7	5	8	23	5	1	4	0	8	8	12	8	7	0	0	0	2	0	0	0	2	0
March	7.5	S.	28	S.	0	9	4	3	4	16	6	6	14	0	14	8	9	9	4	1	0	0	1	0	0	1	2	0
April	6.7	S.	20	S.	0	4	2	4	8	27	8	4	3	0	13	9	8	7	5	0	0	0	0	0	2	0	4	0
May	6.4	S.	30	E.	0	3	9	8	13	24	3	0	2	0	10	6	15	9	7	0	0	0	3	0	0	0	7	0
June	5.9	S.	15	N.	0	4	3	11	11	17	11	0	3	0	14	12	4	1	1	0	0	0	0	0	14	0	1	0
July	5.3	S.	27	S.	0	2	2	6	3	32	13	4	0	0	19	11	1	4	3	0	0	0	0	0	30	0	5	0
August	5.2	S.	22	S.	0	2	8	15	2	24	10	1	0	0	18	8	5	6	6	0	0	0	0	0	25	0	6	0
September	5.8	S.	22	NW.	0	5	15	11	9	14	3	1	0	2	14	11	5	10	9	0	0	0	0	0	13	0	6	0
October	5.7	E.	21	SE.	0	11	15	17	6	10	0	1	2	0	16	5	10	8	6	0	0	0	3	0	0	0	0	0
November	6.5	NE.	31	NW.	0	9	15	2	6	13	6	3	5	1	16	2	12	7	5	0	0	0	3	0	0	0	3	0
December	5.8	NW.	23	NW.	0	17	4	6	5	6	3	8	12	1	12	5	14	7	6	0	0	0	1	0	0	5	0	0
Year	6.3	S.	31	NW.	0	92	92	90	81	213	70	32	56	4	164	89	112	91	69	3	2	0	15	4	84	23	37	0

PARKERSBURG, W. VA.

[H_b=637 ft.; h_t=77 ft.; h_r=70 ft.; h_a=84 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	5.6	SE.	22	W.	0	3	1	1	21	6	11	8	11	0	4	5	22	18	15	10	7	0	0	11	0	22	0	0
February	5.6	SE.	28	NW.	0	3	2	1	19	6	12	3	10	0	8	2	18	10	8	5	2	0	0	2	0	14	2	0
March	7.0	SW.	30	NW.	0	4	6	0	11	4	21	6	10	0	10	8	13	11	9	8	3	1	0	1	0	16	1	0
April	5.6	NW.	30	NW.	0	2	5	2	13	4	8	10	15	1	12	5	13	11	8	1	0	0	0	0	0	4	4	0
May	4.9	SW.	24	NW.	0	4	2	2	13	9	11	7	14	0	12	8	11	8	6	0	0	0	0	0	0	0	3	0
June	4.7	SE.	27	NW.	0	2	0	0	26	3	14	4	11	0	11	9	10	5	5	0	0	0	0	0	7	0	3	0
July	4.5	SW.	21	NW.	0	11	1	0	9	4	15	7	15	0	17	8	6	7	5	0	0	0	0	0	19	0	7	0
August	3.5	SE.	26	NW.	0	11	6	2	17	2	7	8	9	0	9	12	10	10	5	0	0	0	0	0	10	0	5	0
September	4.0	SE.	24	NW.	0	9	4	2	18	4	11	6	6	0	9	11	10	10	8	0	0	0	0	0	5	0	5	0
October	4.0	SE.	19	SW.	0	10	1	5	15	5	11	7	7	1	13	5	13	6	4	0	0	0	4	0	0	6	0	0
November	4.9	SE.	24	SW.	0	8	3	2	24	5	12	1	5	0	8	7	15	8	7	4	2	0	2	2	0	12	1	0
December	5.1	SW.	23	NW.	0	7	6	0	15	4	19	4	7	0	3	6	22	11	7	17	5	0	0	8	0	20	0	0
Year	5.0	SE.	30	NW.	0	74	37	17	201	56	152	71	120	2	116	86	163	115	87	45	19	1	6	24	41	94	31	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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	11.6	N.	36	NE.	1	21	7	14	10	5	0	3	2	0	11	9	11	9	7	0	0	0	5	0	0	8	4	0
February	10.9	E.	46	S.	1	7	7	12	8	9	8	5	0	0	11	8	9	7	6	0	0	0	6	0	0	0	2	0
March	12.6	N.	40	N.	4	9	12	7	4	4	7	9	10	0	7	6	18	14	12	0	0	0	3	0	0	0	2	0
April	10.2	S.	27	E.	0	6	8	10	4	10	4	15	3	0	11	12	7	5	2	0	0	0	1	0	0	0	1	0
May	11.0	S.	28	S.	0	12	10	7	4	18	7	4	0	0	9	12	10	3	3	0	0	0	0	0	0	0	2	0
June	10.8	S.	32	SE.	0	10	7	9	4	10	7	7	4	2	12	11	7	7	6	0	0	0	0	0	6	0	7	0
July	9.7	W.	40	NE.	1	10	0	4	2	5	10	21	10	0	4	18	9	9	8	0	0	0	0	0	6	0	18	0
August	8.5	W.	33	N.	1	13	12	5	3	6	5	11	7	0	8	11	12	7	6	0	0	0	0	0	2	0	9	0
September	9.2	NE.	36	NW.	2	6	15	11	4	10	5	5	4	0	3	12	15	14	14	0	0	0	0	0	0	0	16	0
October	12.1	NE.	35	SE.	2	12	22	14	4	5	1	2	2	0	16	4	11	9	8	0	0	0	0	0	0	0	2	0
November	12.7	E.	35	E.	2	14	8	14	7	7	1	4	5	0	9	4	17	12	11	0	0	0	1	0	0	0	3	0
December	11.5	N.	38	SE.	3	20	12	9	2	2	3	6	8	0	4	11	16	11	10	0	0	0	0	0	0	1	0	0
Year	10.9	E.	46	S.	17	140	120	116	56	91	58	92	55	2	105	118	142	107	93	0	0	0	16	0	14	9	66	0

Annual meteorological summary for the year ending December 31, 1930—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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.554	30.010	28.840	13.4	21.3	19.4	25.6	8.3	17.0	52	−19	11	15	16	92	76	84	0.087	0.093	0.096	2.81	0.65	4.6	5.2	6.2	5.0
February	29.363	29.880	28.900	32.8	42.7	41.0	46.7	30.1	38.4	71	0	28	32	33	84	66	73	.160	.203	.204	2.10	.88	5.0	5.5	4.5	5.2
March	29.248	29.740	28.830	30.9	43.5	41.6	49.1	28.5	38.8	72	12	25	26	28	78	51	56	.139	.143	.157	1.55	.82	5.3	4.1	4.8	3.7
April	29.356	29.640	29.000	46.2	61.4	60.2	66.7	43.4	55.0	92	31	38	38	40	73	47	48	.242	.255	.268	3.58	1.52	4.6	3.7	4.4	4.0
May	29.331	29.790	28.860	57.6	69.4	68.1	74.1	52.5	63.3	88	37	50	49	49	76	52	57	.374	.368	.368	1.07	.29	4.1	4.8	2.9	4.5
June	29.290	29.560	28.993	64.9	78.9	77.6	83.2	59.9	71.6	99	44	57	56	57	77	48	51	.474	.468	.478	2.53	1.29	3.8	4.3	3.6	4.2
July	29.342	29.559	29.060	70.0	87.1	84.8	91.1	65.3	78.2	107	47	60	59	59	72	41	45	.533	.522	.517	1.02	.58	2.4	3.0	2.6	2.4
August	29.391	29.670	29.207	67.1	84.6	79.1	88.1	64.1	76.1	103	52	59	57	59	76	42	53	.510	.476	.515	1.56	.66	4.3	4.2	4.6	4.2
September	29.328	29.660	28.850	60.3	77.6	71.6	82.0	57.5	69.8	94	38	54	52	54	81	44	54	.446	.428	.444	1.31	.88	3.8	3.8	2.3	2.9
October	29.442	29.960	29.010	45.7	60.2	54.2	62.5	43.4	53.0	86	22	41	42	42	84	53	65	.290	.310	.306	3.14	2.69	4.0	4.0	3.6	4.0
November	29.435	30.000	28.630	36.0	47.0	44.1	52.2	32.6	42.4	78	−1	32	34	33	86	66	67	.206	.223	.212	3.07	2.37	3.7	4.5	2.7	4.2
December	29.452	30.008	29.090	26.2	33.5	30.6	36.6	23.1	29.8	56	10	24	26	25	89	72	79	.129	.142	.140	.29	.12	5.8	5.8	5.8	5.8
Year	29.378	30.010	28.630	45.9	58.9	56.0	63.2	42.4	52.8	107	−19	40	40	41	81	55	61	.299	.303	.309	24.03	2.69	4.3	4.4	4.0	4.2

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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	30.130	30.670	29.660	33.4	37.8	36.8	42.0	29.3	35.6	69	11	25	27	28	70	65	68	0.161	0.175	0.170	3.15	1.08	6.7	7.0	5.2	7.0
February	29.987	30.510	29.410	35.3	41.8	41.9	48.1	32.1	40.1	79	8	25	26	30	65	53	62	.155	.161	.184	3.65	2.05	6.0	6.6	4.1	5.5
March	29.706	30.418	28.940	37.6	46.7	45.9	52.5	34.9	43.7	74	21	28	28	31	69	50	58	.166	.170	.193	2.58	1.65	5.0	5.8	3.6	5.2
April	29.935	30.380	29.070	46.6	55.2	52.5	59.4	43.0	51.2	74	33	37	36	42	71	52	70	.234	.231	.276	1.64	1.07	6.1	6.5	6.1	6.2
May	29.885	30.279	29.490	61.2	70.9	68.4	76.1	56.7	66.4	94	47	49	48	52	65	47	59	.361	.359	.423	3.25	1.52	4.7	5.1	3.8	4.7
June	29.871	30.262	29.490	70.8	79.8	76.3	84.3	66.0	75.2	94	51	59	59	60	68	51	61	.508	.509	.534	4.96	2.81	5.0	5.5	3.6	5.1
July	29.826	30.090	29.560	73.4	82.6	79.7	87.2	68.9	78.0	103	58	62	61	63	70	49	58	.579	.543	.591	4.06	1.38	4.9	6.5	5.5	5.8
August	29.891	30.225	29.591	70.3	80.3	77.1	84.3	67.1	75.7	98	57	60	56	58	71	46	55	.529	.469	.505	1.51	.81	4.5	4.9	4.1	5.1
September	29.891	30.200	29.560	68.9	78.3	74.3	82.0	66.2	74.1	91	55	60	58	59	74	52	61	.536	.519	.525	2.57	1.13	5.7	5.0	4.1	5.3
October	29.964	30.321	29.540	51.5	61.3	58.7	64.6	48.8	56.7	81	37	41	41	42	69	48	55	.277	.278	.286	1.74	.99	3.5	4.5	3.4	4.0
November	30.067	30.690	29.160	43.8	50.4	48.9	53.8	41.4	47.6	69	17	35	37	37	71	62	65	.235	.253	.254	2.36	.73	5.7	6.3	4.1	5.9
December	29.953	30.530	29.400	33.9	38.6	38.0	41.8	31.5	36.6	57	14	24	26	25	66	59	59	.137	.145	.143	2.50	2.08	5.8	6.6	6.2	6.2
Year	29.926	30.690	28.940	52.2	60.3	58.2	64.7	48.8	56.7	103	8	42	42	44	69	53	61	.323	.318	.340	33.97	2.81	5.3	5.9	4.5	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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	28.855	29.250	28.527	43.7	58.5	58.6	62.4	41.6	52.0	75	30	35	35	35	74	44	45	0.214	0.211	0.215	1.69	0.82	5.4	5.2	5.2	5.3
February	28.829	29.060	28.590	47.7	69.9	71.9	75.6	45.1	60.4	87	36	32	33	31	56	28	24	.184	.191	.182	.19	.19	1.3	1.9	2.5	2.0
March	28.743	29.130	28.440	49.9	70.0	71.1	74.0	47.3	60.6	85	37	34	31	31	58	26	26	.204	.182	.178	1.77	.96	2.1	3.3	3.6	3.4
April	28.714	28.950	28.471	59.6	82.6	83.4	86.6	57.7	72.2	98	47	39	36	32	49	20	17	.246	.216	.189	.20	*.46	2.6	3.1	2.8	3.2
May	28.680	28.900	28.416	59.3	81.9	83.1	86.0	57.4	71.7	101	46	38	32	31	48	21	18	.230	.188	.176	1.31	1.12	2.3	2.4	2.3	2.4
June	28.600	28.790	28.360	72.4	97.7	99.8	102.3	71.3	86.8	110	57	44	39	38	38	14	13	.306	.254	.247	.16	.15	1.3	.8	1.3	1.3
July	28.667	28.890	28.469	80.6	98.5	100.6	103.5	79.1	91.3	113	72	61	57	55	52	28	24	.540	.480	.447	.68	.35	5.9	3.0	4.9	4.4
August	28.694	28.900	28.530	78.5	97.2	98.9	102.6	76.7	89.6	111	70	61	57	55	56	31	26	.542	.496	.445	.86	.34	3.7	2.3	3.3	2.9
September	28.665	28.840	28.480	69.7	92.9	92.6	96.7	67.8	82.2	108	59	48	45	44	47	21	21	.348	.320	.302	.51	.51	1.7	2.7	3.4	2.7
October	28.685	29.030	28.390	56.5	82.8	81.3	86.6	54.1	70.4	95	47	36	33	36	49	19	21	.219	.196	.217	.16	.16	.6	.9	1.3	1.2
November	28.826	29.120	28.390	50.6	70.4	68.3	73.6	46.8	60.2	89	31	36	36	38	59	31	35	.215	.215	.235	.51	.24	2.0	3.1	4.1	3.4
December	28.898	29.160	28.720	41.6	63.0	61.3	66.8	37.5	52.2	74	28	28	26	27	59	25	28	.159	.147	.153	T.	T.	.8	1.9	2.5	2.1
Year	28.738	29.250	28.360	59.2	80.4	80.9	84.7	56.9	70.8	113	28	41	38	38	54	26	25	.284	.258	.249	8.04	1.12	2.5	2.6	3.1	2.9

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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	28.521	29.030	27.920	3.7	11.1	10.8	16.5	−0.6	8.0	41	−24	−1	−1	3	79	57	67	0.044	0.048	0.054	0.28	0.08	4.5	5.4	3.1	5.1
February	28.250	28.790	27.850	27.8	38.5	38.4	45.9	24.1	35.0	75	3	21	24	23	74	55	57	.117	.136	.136	1.32	.73	3.8	4.4	4.8	5.0
March	28.319	29.000	27.720	25.5	36.2	37.3	42.4	23.5	33.0	68	4	19	20	22	76	52	55	.107	.110	.124	.49	.28	4.7	4.1	5.6	4.5
April	28.299	28.660	28.000	43.4	57.7	59.7	64.0	41.3	52.6	87	26	35	36	36	74	52	48	.215	.230	.228	3.68	1.44	6.5	5.5	5.0	6.0
May	28.240	28.633	27.710	48.6	61.9	62.9	66.9	45.7	56.3	94	32	40	38	39	74	46	46	.255	.244	.249	1.68	1.09	5.8	5.9	5.5	6.1
June	28.210	28.598	27.630	60.9	75.0	76.0	81.2	57.2	69.2	100	43	52	49	48	73	42	40	.398	.361	.352	1.34	.52	3.9	4.4	4.4	4.4
July	28.260	28.640	27.909	69.3	89.0	90.8	95.5	67.1	81.3	109	52	56	52	50	65	31	27	.463	.404	.378	.69	.57	3.5	2.5	2.8	2.9
August	28.310	28.670	27.937	66.1	81.9	82.4	86.9	64.0	75.4	107	50	57	57	55	74	47	44	.477	.473	.451	2.61	.81	5.3	5.7	5.4	5.5
September	28.270	28.660	27.740	53.1	70.2	71.4	76.7	51.3	64.0	93	35	43	42	43	70	39	38	.298	.290	.303	.25	.23	3.8	4.0	4.6	4.2
October	28.342	28.830	27.780	40.0	51.3	50.0	58.1	37.8	48.0	83	17	35	36	36	82	56	59	.235	.246	.242	2.34	.73	5.9	5.1	4.8	5.1
November	28.347	28.977	27.440	30.0	40.5	38.4	47.3	25.1	36.2	73	9	22	24	22	70	53	54	.117	.131	.117	1.01	.83	4.9	5.2	4.5	5.1
December	28.415	28.880	28.050	23.5	31.7	30.3	37.5	20.4	29.0	53	10	18	21	23	78	63	72	.097	.112	.120	.02	.01	4.1	5.7	4.1	5.5
Year	28.315	29.030	27.440	41.0	53.8	54.0	59.9	38.1	49.0	109	−24	33	33	33	74	49	51	.235	.232	.230	15.71	1.44	4.7	4.8	4.6	5.0

* Mar. 31–Apr. 1.

Annual meteorological summary for the year ending December 31, 1930—Continued

PEORIA, ILL.

[H_b=609 ft.; h_t=11 ft.; h_r=4 ft.; h_a=45 ft.]

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp. 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorm	Aurora
	Miles		*Mi.*																									
January	6.5	S.	24	W.	0	10	8	2	3	13	6	11	8	1	15	3	13	14	11	15	7	0	1	22	0	31	0	0
February	6.6	S.	22	W.	0	4	0	1	10	18	7	7	9	0	10	9	9	6	4	3	1	1	5	2	0	19	2	0
March	8.8	W.	26	W.	0	11	6	4	3	11	3	15	8	1	18	8	5	5	4	7	2	0	1	1	0	22	0	0
April	6.9	NW.	22	SW.	0	8	9	6	9	12	5	2	9	0	15	7	8	9	6	0	0	0	0	0	2	2	7	0
May	6.4	S.	29	W.	0	8	4	2	9	14	10	8	7	0	14	7	10	12	8	0	0	0	0	0	0	0	5	1
June	5.0	S.	17	SW.	0	8	1	2	4	18	5	5	14	3	13	10	7	12	9	0	0	1	0	0	5	0	7	0
July	4.1	S.	22	NE.	0	8	6	2	5	15	8	4	10	4	21	7	3	6	3	0	0	0	0	0	19	0	3	0
August	3.6	NE.	21	N.	0	13	16	5	8	10	3	1	5	1	14	11	6	6	5	0	0	0	0	0	11	0	4	0
September	4.8	S.	27	SW.	0	7	5	9	6	13	8	5	7	0	19	8	3	6	4	0	0	0	0	0	5	0	5	0
October	4.7	SE.	18	SW.	0	3	4	4	17	8	4	10	11	1	18	5	8	6	4	1	1	0	3	0	0	9	1	0
November	6.7	S.	23	SW.	0	4	1	2	11	23	5	7	7	0	15	6	9	8	6	5	1	0	5	3	0	14	0	0
December	6.3	NW.	23	W.	0	7	4	4	6	8	11	9	13	0	8	10	13	3	3	9	2	0	1	7	0	27	0	0
Year	5.9	S.	29	W.	0	91	64	43	91	163	75	84	108	11	180	91	94	93	67	40	14	2	16	35	42	124	34	1

PHILADELPHIA, PA.

[H_b=114 ft.; h_t=123 ft.; h_r=114 ft.; h_a=367 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	11.3	NW.	37	NW.	1	10	7	5	0	8	13	5	14	0	8	2	21	9	7	8	3	0	4	7	0	21	0	0
February	12.2	SW.	35	N.	5	11	5	2	1	3	17	6	11	0	9	8	11	9	8	5	1	0	0	2	0	15	0	0
March	14.4	NW.	39	SW.	5	7	3	2	1	12	8	14	15	0	9	14	8	8	6	4	0	0	0	1	0	8	0	0
April	12.7	NW.	40	NW.	4	4	10	5	6	4	12	4	15	0	6	12	12	11	6	1	0	0	0	0	0	0	3	0
May	12.3	NW.	38	SW.	2	9	4	6	1	5	12	8	17	0	11	14	6	8	7	0	0	0	0	0	2	0	5	0
June	11.5	SW.	51	NW.	2	2	4	2	8	8	19	5	12	0	9	15	6	11	7	0	0	0	0	0	5	0	3	0
July	10.2	SW.	44	NW.	2	13	3	7	5	9	9	8	8	0	6	14	11	12	9	0	0	0	0	0	8	0	9	0
August	10.3	SW.	35	NE.	1	12	9	6	7	11	9	4	4	0	9	16	6	8	4	0	0	0	0	0	7	0	2	0
September	9.2	SW.	39	W.	3	9	4	5	8	13	11	4	6	0	7	14	9	9	8	0	0	0	0	0	2	0	5	0
October	11.0	N.	46	NW.	3	16	12	2	2	5	9	6	10	0	17	6	8	7	6	0	0	0	1	0	0	0	1	0
November	11.5	SW.	39	S.	3	3	16	3	6	5	13	8	6	0	8	9	13	8	8	4	0	0	1	1	0	6	1	0
December	12.4	NW.	39	NW.	2	6	11	1	1	3	10	8	22	0	8	10	13	8	5	10	2	0	0	2	0	14	0	0
Year	11.6	SW.	51	NW.	33	102	88	46	46	86	142	80	140	0	107	134	124	108	81	32	6	0	6	13	24	64	29	0

PHOENIX, ARIZ.

[H_b=1,108 ft.; h_t=10 ft.; h_r=81 ft.; h_a=107 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	4.6	E.	26	S.	0	0	2	22	7	5	4	20	2	0	9	11	11	11	8	0	0	0	1	0	0	4	0	0
February	4.4	E.	27	N.	0	7	2	14	7	3	6	11	6	0	23	1	4	1	1	0	0	0	0	0	0	0	0	0
March	5.0	E.	25	SW.	0	1	3	13	7	6	11	14	7	0	19	4	8	5	4	0	0	0	0	0	0	0	1	0
April	4.9	E.	21	NW.	0	2	4	18	9	0	4	5	18	0	15	12	3	1	1	0	0	0	0	0	10	0	0	0
May	5.4	W.	23	SW.	0	3	0	16	8	0	9	15	11	0	22	5	4	3	3	1	0	1	0	0	14	0	3	0
June	5.1	W.	36	E.	1	3	2	13	6	0	4	21	11	0	26	3	1	3	2	0	0	0	0	0	28	0	3	0
July	5.2	E.	35	E.	1	3	4	17	5	6	4	18	5	0	14	12	5	5	3	0	0	0	0	0	31	0	10	0
August	4.2	E.	24	N.	0	5	2	12	9	4	6	18	6	0	18	10	3	6	5	0	0	0	0	0	30	0	9	0
September	4.5	E.	28	SW.	0	9	2	24	4	3	1	10	7	0	20	5	5	2	2	0	0	0	0	0	26	0	4	0
October	4.1	E.	18	SW.	0	6	5	20	5	3	5	12	6	0	27	3	1	1	1	0	0	0	0	0	11	0	0	0
November	4.7	E.	29	W.	0	4	3	20	4	7	3	7	12	0	17	8	5	5	5	0	0	0	2	0	0	2	0	0
December	4.1	E.	21	E.	0	3	4	21	4	7	6	9	8	0	23	5	3	0	0	0	0	0	0	0	0	6	0	0
Year	4.7	E.	36	E.	2	46	33	210	75	44	63	160	99	0	233	79	53	43	35	1	0	1	3	0	150	12	30	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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	7.2	NW.	29	NW.	0	7	2	7	7	2	3	14	20	0	9	13	9	8	4	17	8	0	0	26	0	31	0	1
February	7.9	NW.	34	NW.	2	4	3	14	1	4	5	7	18	0	8	13	7	4	4	6	3	0	1	5	0	22	0	0
March	9.0	NW.	31	N.	0	14	5	7	6	2	4	7	17	0	14	9	8	4	3	8	2	0	3	3	0	26	0	0
April	8.3	E.	36	E.	2	10	3	20	15	1	4	1	5	1	9	6	15	11	9	2	0	1	3	0	0	3	2	0
May	10.5	NW.	36	NW.	2	15	3	6	15	2	3	5	13	0	7	10	14	7	5	1	0	0	3	0	1	0	2	1
June	9.4	NW.	54	W.	2	3	4	12	12	3	2	11	13	0	10	17	3	6	5	0	0	2	0	0	6	0	5	3
July	7.4	E.	31	SE.	0	9	7	17	9	6	3	2	9	0	21	8	2	5	3	0	0	0	0	0	22	0	9	1
August	7.2	E.	35	N.	1	9	6	24	8	3	1	5	6	0	8	15	8	9	8	0	0	0	2	0	16	0	5	0
September	7.7	E.	30	W.	0	4	7	19	5	2	5	2	16	0	14	13	3	2	1	0	0	0	1	0	2	0	3	0
October	8.2	NW.	37	NW.	1	5	9	11	7	0	3	3	23	1	11	11	9	11	7	1	0	0	1	0	0	11	2	0
November	8.7	NW.	45	NW.	3	7	4	9	7	2	3	6	21	1	12	8	10	4	2	10	4	0	0	3	0	26	0	0
December	6.6	NW.	26	NW.	0	6	3	8	9	3	6	11	16	0	11	9	11	2	0	7	1	0	1	7	0	30	0	0
Year	8.2	NW.	54	W.	13	93	56	154	101	30	42	74	177	3	134	132	99	73	51	52	18	3	15	44	47	149	28	6

Annual meteorological summary for the year ending December 31, 1930—Continued

PITTSBURGH, PA.

[ϕ=40° 26′ N.; λ=80° 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: Extremes: Maximum	Temperature: Extremes: 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	29.282	29.770	28.780	29.2	33.6	34.4	39.6	24.1	31.8	63	0	23	23	25	79	66	68	0.143	0.149	0.159	1.67	0.40	7.7	8.2	7.2	7.7
February	29.161	29.510	28.770	36.3	42.5	41.3	47.0	31.1	39.0	70	4	29	30	30	74	64	66	.172	.179	.184	3.12	1.72	8.1	7.3	6.4	7.7
March	28.935	29.590	28.250	32.9	40.7	40.4	47.0	28.6	37.8	68	12	26	28	28	77	65	62	.148	.162	.157	2.82	.74	6.2	6.7	5.8	6.1
April	29.128	29.480	28.340	45.4	56.1	54.6	61.4	41.6	51.5	86	26	37	40	38	73	57	57	.232	.262	.248	2.60	.73	6.3	6.1	6.4	6.1
May	29.136	29.440	28.750	58.0	68.1	66.6	72.9	53.2	63.0	88	37	49	51	47	74	57	52	.364	.386	.340	1.95	.50	5.0	6.4	4.9	5.1
June	29.092	29.480	28.760	65.9	75.7	74.1	80.0	59.8	69.9	90	44	56	56	55	71	53	53	.452	.463	.439	3.41	1.89	4.1	5.6	5.1	4.7
July	29.086	29.360	28.780	68.8	80.7	79.6	85.7	64.2	75.0	99	51	58	56	56	70	45	48	.496	.460	.469	1.33	.68	4.1	4.5	3.7	4.2
August	29.143	29.410	28.930	65.0	76.9	75.9	81.5	61.8	71.6	99	50	55	53	52	72	47	46	.443	.410	.397	1.10	.46	4.2	6.3	5.8	5.5
September	29.121	29.382	28.750	62.8	76.2	72.1	79.5	60.0	69.8	92	44	55	53	52	75	46	52	.449	.425	.427	.74	.21	4.6	5.4	3.7	5.1
October	29.216	29.590	28.840	45.4	57.7	54.9	61.7	43.0	52.4	82	26	39	38	39	79	50	58	.255	.247	.261	1.17	.51	4.1	5.5	4.2	5.0
November	29.249	29.800	28.550	38.3	47.6	46.0	51.8	36.0	43.9	70	7	31	33	34	76	60	64	.195	.217	.221	1.02	.31	4.9	6.7	6.0	6.1
December	29.173	29.750	28.720	29.7	33.2	32.5	36.7	26.3	31.5	50	8	24	26	26	78	73	75	.134	.144	.144	1.72	1.09	8.7	8.7	7.1	8.0
Year	29.144	29.800	28.250	48.1	57.4	56.0	62.1	44.1	53.1	99	0	40	41	40	75	57	58	.290	.292	.287	22.65	1.89	5.7	6.4	5.5	5.9

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: Extremes: Maximum	Temperature: Extremes: 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	25.461	26.030	24.994	12.2	18.4	19.3	25.5	5.4	15.4	48	−22	7	10	12	79	68	73	0.064	0.072	0.077	1.32	0.27	6.5	6.5	6.0	6.4
February	25.486	25.780	25.115	34.5	39.8	39.6	44.0	30.5	37.2	61	19	27	28	28	73	63	63	.144	.152	.149	1.19	.34	5.8	7.2	6.8	6.6
March	25.426	25.835	25.010	32.7	42.5	44.9	48.2	29.5	38.8	61	8	24	24	25	70	49	48	.130	.130	.138	.53	.23	3.5	5.7	5.5	5.2
April	25.432	25.820	25.180	43.9	60.6	61.2	65.2	41.0	53.1	80	30	33	33	30	66	38	33	.187	.192	.166	.90	.43	4.5	5.8	6.1	5.1
May	25.382	25.716	25.057	44.6	58.5	60.4	64.6	42.1	53.4	83	32	34	34	31	70	45	39	.198	.200	.178	1.31	.51	5.2	6.3	6.5	5.7
June	25.449	25.780	25.182	52.6	69.7	75.2	77.4	50.1	63.8	94	38	33	34	30	50	29	22	.194	.193	.174	.71	.46	2.4	2.6	3.8	3.1
July	25.504	25.701	25.280	62.0	83.3	85.0	88.4	59.9	74.2	98	46	42	41	39	50	23	23	.274	.266	.253	.88	.28	3.4	3.1	4.4	3.7
August	25.521	25.680	25.348	61.0	77.4	78.8	83.1	59.2	71.2	92	52	50	50	48	70	41	37	.375	.370	.347	3.59	1.90	5.0	4.2	6.5	5.1
September	25.461	25.730	25.050	50.0	68.9	70.0	75.0	48.2	61.6	86	38	37	38	36	63	34	32	.230	.230	.211	1.17	.40	3.2	2.9	4.3	3.9
October	25.505	25.849	25.050	39.6	52.1	51.6	58.6	36.6	47.6	70	25	33	32	33	77	49	52	.193	.189	.197	1.65	.47	4.7	5.8	5.4	5.5
November	25.619	26.107	24.808	22.5	35.1	34.2	41.9	18.4	30.2	65	3	17	21	24	80	58	66	.098	.115	.129	.97	.75	3.1	4.8	4.2	4.8
December	25.692	25.950	25.443	13.6	20.3	20.3	25.8	8.6	17.2	37	−8	11	14	16	87	74	81	.072	.083	.089	1.22	.54	3.9	5.2	5.2	5.3
Year	25.493	26.107	24.808	39.1	52.2	53.4	58.1	35.8	47.0	98	−22	29	30	29	70	48	47	.180	.183	.176	15.44	1.90	4.3	5.0	5.4	5.0

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: Extremes: Maximum	Temperature: Extremes: 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	30.152	30.626	29.740	45.0	51.7	----	56.2	40.7	48.4	72	11	41	42	---	87	71	---	0.302	0.315	----	6.76	2.77	6.1	6.6	----	6.9
February	30.054	30.400	29.580	55.8	64.1	----	67.6	53.3	60.4	76	35	54	56	---	93	75	---	.430	.461	----	2.46	1.11	6.0	5.8	----	5.9
March	29.986	30.530	29.408	53.2	61.8	----	64.9	50.6	57.8	72	34	48	49	---	84	63	---	.361	.365	----	1.78	.75	5.6	6.7	----	6.8
April	29.992	30.280	29.710	65.9	77.3	----	79.7	63.9	71.8	90	59	61	60	---	85	58	---	.539	.524	----	1.31	.99	3.4	3.6	----	3.7
May	29.944	30.270	29.670	72.7	78.3	----	81.0	70.1	75.6	86	60	68	69	---	87	73	---	.703	.709	----	8.09	3.78	6.0	6.1	----	6.4
June	29.932	30.110	29.690	76.4	86.9	82.1	89.4	73.7	81.6	102	64	70	69	71	81	57	70	.744	.728	0.765	.23	.20	2.0	2.1	2.7	2.4
July	29.990	30.150	29.810	78.9	88.5	84.4	91.6	75.6	83.6	98	68	74	70	74	84	59	72	.830	.788	.845	2.82	1.71	2.9	3.0	4.2	3.7
August	29.968	30.140	29.800	78.1	88.6	84.4	92.0	75.1	83.6	97	69	72	69	72	82	54	68	.794	.722	.800	3.88	1.91	2.8	3.3	3.9	3.8
September	29.912	30.130	29.730	74.4	82.4	79.3	85.9	71.7	78.8	94	60	70	70	71	88	67	77	.758	.737	.767	5.39	2.04	5.3	6.7	4.6	5.9
October	29.999	30.560	29.640	64.9	74.9	71.2	77.6	62.5	70.0	89	44	61	62	62	87	65	75	.562	.570	.592	5.41	2.70	3.9	3.5	3.6	4.2
November	30.108	30.550	29.565	55.9	63.7	61.1	66.6	53.2	59.9	83	37	50	50	53	83	65	76	.395	.399	.435	3.88	.63	5.9	5.2	5.3	6.0
December	30.130	30.350	29.700	47.3	54.2	----	57.7	45.3	51.5	73	34	43	42	---	86	66	---	.289	.283	----	5.12	2.67	6.2	6.1	----	6.5
Year	30.014	30.626	29.408	64.0	72.7	----	75.8	61.3	68.6	102	11	59	59	---	86	64	---	.559	.552	----	47.13	3.78	4.7	4.9	----	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: Extremes: Maximum	Temperature: Extremes: 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	29.448	30.040	28.780	18.9	23.6	21.5	27.2	13.4	20.3	46	−7	16	18	17	89	79	83	0.102	0.108	0.103	2.41	0.57	7.2	7.0	6.0	6.6
February	29.306	29.720	28.840	27.3	31.8	30.6	36.5	23.2	29.8	60	−2	24	25	25	85	74	79	.140	.147	.150	2.14	1.09	8.0	7.5	5.9	6.5
March	29.112	29.910	28.339	28.5	35.6	33.0	39.6	24.5	32.0	65	14	23	25	24	80	65	70	.127	.139	.134	1.19	.60	5.5	6.3	6.2	5.5
April	29.323	29.670	28.620	39.7	47.9	44.1	52.6	33.9	43.2	80	22	32	36	36	73	63	73	.188	.222	.222	1.77	.88	5.5	5.7	5.5	5.3
May	29.308	29.720	28.880	54.5	63.5	58.8	67.1	48.1	57.6	83	36	46	52	49	76	68	72	.330	.410	.371	2.82	.78	5.6	5.0	5.9	4.7
June	29.232	29.569	28.880	64.6	73.8	69.0	76.8	57.5	67.2	88	46	56	57	56	74	58	67	.458	.481	.466	2.60	.87	5.2	5.2	6.4	5.3
July	29.277	29.568	28.870	68.1	76.1	72.3	80.6	60.1	70.4	99	45	58	58	58	72	55	62	.498	.489	.491	.27	.08	4.8	4.2	3.6	4.0
August	29.343	29.640	29.060	66.2	75.6	71.0	78.8	60.4	69.6	95	48	56	56	58	71	50	66	.459	.454	.487	.56	.24	4.7	5.3	5.2	5.1
September	29.287	29.567	28.740	58.7	71.0	64.4	73.8	54.3	64.0	86	38	51	51	51	77	51	64	.402	.399	.404	2.12	.57	4.2	5.3	3.8	4.7
October	29.392	29.760	28.940	44.0	53.6	49.3	56.1	41.8	49.0	79	26	40	40	43	85	61	75	.268	.277	.290	.98	.32	5.9	6.7	4.5	5.6
November	29.379	29.950	28.670	36.5	45.2	41.3	48.0	33.1	40.6	65	7	32	33	33	84	63	72	.197	.204	.204	.94	.56	6.6	6.2	4.4	5.9
December	29.333	29.960	28.800	25.6	30.1	27.8	33.0	22.4	27.7	51	1	22	24	24	87	76	84	.125	.131	.129	2.02	1.32	8.3	7.8	7.3	7.9
Year	29.312	30.040	28.339	44.4	52.4	48.6	55.8	39.4	47.6	99	−7	38	40	40	79	64	72	.274	.288	.288	19.82	1.32	6.0	6.0	5.4	5.6

Annual meteorological summary for the year ending December 31, 1930—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 33 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorm	Aurora
	Miles		*Mi.*																									
January	10.0	S.	29	NW.	0	3	2	3	4	18	13	9	10	0	4	6	21	17	11	14	9	0	1	14	0	22	0	0
February	9.6	SW.	38	W.	2	3	3	2	2	13	20	7	6	0	2	9	17	12	6	13	6	0	3	3	0	15	1	0
March	11.7	W.	48	W.	5	6	1	6	1	5	17	21	5	0	8	8	15	13	10	14	7	0	1	5	0	22	1	0
April	9.8	NW.	40	W.	3	9	5	7	7	7	3	13	9	0	9	6	15	13	9	6	3	1	0	0	0	7	5	0
May	9.0	SW.	36	SW.	2	10	1	3	5	5	13	11	14	0	14	7	10	11	10	0	0	0	0	0	0	0	5	0
June	8.9	SW.	29	NW.	0	4	1	1	6	12	19	10	7	0	11	12	7	8	7	0	0	1	0	0	0	0	5	0
July	7.8	NW.	29	NW.	0	14	7	3	0	6	15	7	10	0	15	10	6	6	5	0	0	0	0	0	9	9	4	0
August	5.8	W.	24	W.	0	13	6	4	5	4	8	12	8	2	9	15	7	7	4	0	0	0	0	0	6	0	4	0
September	7.3	SW.	28	SW.	0	9	5	3	4	4	16	12	7	0	11	12	7	9	7	0	0	0	0	0	1	0	3	0
October	7.2	W.	30	W.	0	7	7	9	9	2	8	14	5	1	13	7	11	8	6	5	1	0	6	0	0	6	0	6
November	8.6	SW.	34	NW.	1	1	4	9	9	9	14	9	5	0	10	5	15	11	5	7	3	0	5	3	0	10	0	0
December	9.7	W.	34	W.	2	3	2	6	4	7	13	23	4	0	3	6	22	14	7	18	7	0	0	10	0	22	0	0
Year	8.8	W.	48	W.	15	82	44	56	56	92	159	148	90	3	109	103	153	129	87	77	36	2	16	35	16	104	28	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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	6.9	SE.	29	S.	0	6	0	4	28	2	6	6	10	0	7	8	16	17	9	21	17	0	1	23	0	30	0	0
February	10.9	SE.	30	SW.	0	0	0	0	26	4	17	7	1	1	2	14	12	10	8	11	3	0	0	2	0	11	0	0
March	8.3	SW.	34	S.	1	7	1	1	17	7	16	6	6	1	8	14	9	10	5	7	4	0	0	0	0	19	0	0
April	7.2	SE.	30	SW.	0	0	0	3	25	7	15	3	6	1	5	20	5	13	7	0	0	4	0	0	0	1	6	0
May	7.9	SE.	37	SW.	2	1	1	4	19	12	12	6	6	1	7	14	10	13	7	4	2	2	0	0	0	2	7	0
June	7.8	SW.	33	SW.	1	3	2	3	23	6	14	4	5	0	19	7	4	6	4	0	0	0	0	0	1	0	5	0
July	6.8	SE.	31	S.	0	3	1	4	24	4	9	4	12	1	12	17	2	7	6	0	0	3	0	0	13	0	13	0
August	6.1	SE.	29	SW.	0	6	3	2	27	3	9	7	5	0	8	17	6	11	8	0	0	1	0	0	1	0	13	0
September	7.2	SE.	30	SW.	0	6	0	3	26	6	7	10	1	1	15	13	2	7	7	0	0	0	0	0	0	0	5	0
October	6.2	SE.	24	SW.	0	2	0	2	26	4	15	9	1	3	10	9	12	10	7	1	0	0	0	0	0	8	2	0
November	5.8	SE.	32	S.	0	1	3	5	28	5	9	1	4	4	12	11	7	5	3	8	4	0	2	15	0	28	0	0
December	5.9	SE.	26	SW.	0	7	0	4	24	6	5	4	9	3	13	7	11	5	3	7	5	0	8	25	0	31	0	0
Year	7.2	SE.	37	SW.	4	42	11	35	293	66	134	67	66	16	118	151	96	114	74	59	35	10	11	65	15	130	51	0

PORT ARTHUR, TEX.

[H_b=34 ft.; h_t=58 ft.; h_r=51 ft.; h_a=66 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	8.3	N.	30	N.	0	9	2	9	5	3	1	1	1	0	9	1	21	15	10	1	0	0	5	2	0	8	2	0
February	6.8	S.	34	N.	1	6	0	5	3	9	3	1	0	1	9	5	14	7	6	0	0	0	2	0	0	0	2	0
March	7.7	N.	31	N.	0	7	3	4	3	6	2	1	5	0	8	5	18	11	7	0	0	0	1	0	0	0	0	0
April	6.2	SE.	19	N.	0	5	3	3	8	5	1	2	2	1	16	8	6	5	3	0	0	0	0	0	0	0	3	0
May	7.6	SE.	24	E.	0	3	2	6	9	9	1	0	1	0	7	7	17	12	8	0	0	0	0	0	0	0	9	0
June	6.0	SE.	20	E.	0	4	5	8	15	10	11	4	3	0	23	4	3	3	1	0	0	0	0	0	13	0	2	0
July	5.7	S.	29	E.	0	11	1	4	4	14	13	4	6	0	17	8	6	6	6	0	0	0	0	0	24	0	12	0
August	5.9	E.	33	E.	1	4	4	10	7	9	15	9	4	0	16	12	3	9	8	0	0	0	0	0	25	0	12	0
September	6.7	E.	35	NW.	1	14	5	9	8	16	7	1	0	0	4	15	11	12	9	0	0	0	0	0	10	0	10	0
October	7.4	E.	26	E.	0	12	4	27	10	6	0	1	2	0	14	9	8	10	8	0	0	0	2	0	0	0	2	0
November	7.0	E.	26	NW.	0	13	1	18	6	9	5	2	6	0	10	6	14	14	13	0	0	0	2	0	0	0	2	0
December	7.2	N.	28	SW.	0	10	0	11	1	0	1	1	7	0	10	4	17	8	5	0	0	0	0	0	0	0	1	0
Year	6.9	S.	35	NW.	3	98	30	114	79	96	65	27	37	2	143	84	138	112	84	1	0	0	12	2	72	8	57	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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	10.7	SW.	26	W.	0	2	7	3	4	11	14	9	12	0	3	15	13	20	15	21	14	0	1	21	0	28	0	0
February	10.1	S.	31	W.	0	5	2	1	7	12	10	6	13	0	4	11	13	13	7	16	8	0	1	12	0	22	1	1
March	11.7	W.	32	NW.	0	10	7	3	2	4	8	16	12	0	6	19	6	10	5	16	8	0	0	7	0	29	0	1
April	10.5	NW.	34	N.	1	9	12	8	6	4	4	1	16	0	6	17	7	10	8	5	2	0	2	0	0	13	2	1
May	9.3	NE.	37	W.	1	5	10	5	0	11	13	6	12	0	8	18	5	14	13	0	0	0	0	0	0	0	6	5
June	9.4	S.	30	W.	0	6	9	3	1	14	14	6	7	0	12	10	8	9	7	0	0	0	0	0	0	0	5	5
July	8.4	NE.	26	N.	0	14	10	2	2	10	7	11	6	0	13	15	3	6	4	0	0	0	0	0	6	0	4	1
August	8.3	NE.	38	NW.	1	12	17	6	1	9	4	7	6	0	10	15	6	6	5	0	0	0	0	0	3	0	4	0
September	9.2	W.	31	SW.	0	5	7	5	0	15	12	9	7	0	11	12	7	6	6	0	0	0	1	0	0	0	5	2
October	7.8	NE.	26	W.	0	3	12	5	5	11	6	7	13	0	9	13	9	8	7	5	2	0	8	0	0	7	1	0
November	10.9	S.	29	NW.	0	0	0	3	12	17	13	8	7	0	7	13	10	6	3	8	3	0	4	4	0	11	0	0
December	9.5	NW.	27	NW.	0	4	1	10	3	7	15	13	9	0	4	4	23	11	7	21	10	0	1	16	0	25	0	0
Year	9.6	S.	38	NW.	3	75	94	54	43	125	120	99	120	0	93	162	110	119	87	92	47	0	18	60	9	135	28	16

Annual meteorological summary for the year ending December 31, 1930—Continued

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
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	30.101	30.822	29.500	20.9	25.5	25.8	31.6	17.0	24.3	50	0	16	18	19	80	72	73	0.105	0.110	0.115	2.80	0.93	5.2	6.1	6.5	6.2
February	29.928	30.440	29.350	22.2	28.3	28.7	34.5	18.2	26.4	55	−5	16	17	19	78	63	67	108	.109	.119	2.15	1.07	4.6	5.0	4.6	5.0
March	29.614	30.200	28.820	30.1	36.2	33.8	40.6	26.2	33.4	55	12	21	23	24	68	59	65	.122	.131	.133	8.02	2.79	3.8	5.0	4.3	4.5
April	29.874	30.570	29.060	39.5	46.9	42.6	51.1	33.5	42.3	71	23	29	30	31	66	54	63	.166	.171	.175	1.44	.94	3.0	4.3	4.0	3.7
May	29.825	30.246	29.460	53.5	58.2	54.1	63.0	47.0	55.0	88	41	42	41	44	67	58	70	.273	.266	.289	4.95	1.55	5.7	6.5	6.3	5.7
June	29.832	30.295	29.300	65.5	70.9	66.2	74.7	58.2	66.4	92	42	56	56	56	74	64	72	.462	.466	.455	1.96	.89	4.7	5.2	4.5	4.6
July	29.774	30.050	29.480	66.9	72.8	68.6	76.4	61.2	68.8	90	56	57	57	58	72	60	70	.465	.476	.481	3.59	1.88	4.8	4.9	5.1	4.5
August	29.898	30.240	29.550	64.1	69.3	66.2	72.7	58.6	65.6	86	48	56	56	57	77	66	73	.460	.466	.468	2.62	1.11	4.0	5.3	4.8	4.6
September	29.853	30.230	29.530	61.3	69.7	63.8	72.7	56.6	64.6	88	47	52	52	52	74	56	68	.414	.415	.407	1.55	.66	4.6	3.9	3.4	4.2
October	29.934	30.286	29.224	47.0	55.5	51.3	58.6	43.5	51.0	82	30	39	38	40	75	55	69	.249	.248	.263	4.13	2.66	4.5	5.0	3.8	4.9
November	30.036	30.670	28.800	36.9	44.2	41.8	48.2	34.2	41.2	68	13	30	32	31	77	63	68	.180	.195	.193	3.91	1.36	5.6	4.3	4.7	5.4
December	29.902	30.630	29.150	25.3	30.4	29.1	34.7	21.9	28.3	53	4	17	20	20	69	63	68	.101	.110	.113	1.93	.61	6.0	6.3	5.3	6.0
Year	29.880	30.822	28.800	44.4	50.7	47.7	54.9	39.7	47.3	92	−5	36	37	38	73	61	69	.259	.264	.268	39.05	2.79	4.7	5.2	4.8	4.9

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	29.964	30.490	29.269	25.9	30.2	29.9	32.6	23.5	28.0	54	13	18	19	20	72	62	64	0.113	0.116	0.117	3.43	0.86	6.6	7.1	6.9	7.2
February	29.877	30.270	29.090	43.7	48.8	50.3	53.1	39.5	46.3	63	31	40	41	40	87	75	68	.252	.622	.250	5.03	1.36	7.9	8.1	8.7	8.8
March	29.930	30.280	29.415	43.3	53.8	56.9	58.9	41.7	50.3	83	33	36	36	36	78	53	49	.224	.221	.222	2.21	1.52	5.8	6.0	5.6	6.2
April	29.840	30.140	29.420	48.6	59.7	62.3	64.5	47.1	55.8	77	38	45	45	46	88	59	57	.302	.301	.311	2.72	.85	7.4	7.2	7.4	7.7
May	29.872	30.320	29.600	47.9	59.3	61.2	63.8	46.3	55.0	78	37	43	44	44	84	58	57	.278	.287	.297	3.08	.58	7.0	7.2	7.1	7.3
June	29.896	30.140	29.474	53.3	65.9	70.5	71.9	52.5	62.2	94	45	48	46	46	81	52	44	.331	.319	.318	.69	.45	7.1	7.0	5.4	6.7
July	29.920	30.120	29.750	56.6	70.3	76.5	77.6	55.7	66.6	92	50	51	51	52	81	51	43	.374	.379	.387	T.	T.	5.6	4.7	3.5	4.6
August	29.867	30.060	29.610	60.3	73.4	80.0	80.7	59.0	69.8	96	51	54	53	53	81	50	41	.422	.410	.408	.06	.04	4.8	4.3	2.7	4.0
September	29.823	30.070	29.540	56.7	67.1	70.4	72.4	55.0	63.7	97	44	52	51	51	84	58	52	.390	.376	.372	1.79	.86	5.6	5.9	5.7	6.0
October	29.913	30.280	29.340	48.5	56.8	58.7	61.4	46.0	53.7	69	38	44	45	45	86	66	61	.296	.303	.305	2.15	1.12	5.7	7.2	5.8	6.5
November	29.986	30.550	28.900	42.1	49.0	48.9	52.3	39.8	46.0	69	29	39	40	40	89	72	71	.243	.253	.254	2.84	1.17	6.1	7.0	7.5	7.9
December	30.079	30.372	29.500	38.3	43.0	42.1	44.7	36.2	40.4	55	28	33	34	34	82	70	73	.194	.199	.199	3.16	.81	6.5	7.7	8.2	8.0
Year	29.914	30.550	28.900	47.1	56.4	59.0	61.2	45.2	53.2	97	13	42	42	42	83	60	57	.285	.286	.287	27.16	1.52	6.3	6.6	6.2	6.7

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
January	30.041	30.655	29.410	28.0	34.3	31.9	38.1	23.6	30.8	62	8	20	23	24	70	66	73	0.128	0.148	0.146	2.62	0.77	5.6	6.6	5.5	6.5
February	29.879	30.410	29.330	29.5	37.5	34.7	42.6	24.7	33.6	69	−2	21	21	24	70	52	65	.133	.136	.153	2.57	1.39	5.0	3.0	5.1	4.3
March	29.584	30.219	28.820	35.0	41.9	38.6	45.6	29.9	37.8	58	18	22	23	26	61	49	61	.133	.138	.151	3.02	1.32	4.0	4.5	3.1	4.1
April	29.829	30.450	28.990	43.8	52.8	47.0	56.4	37.1	46.8	76	27	29	27	30	57	40	53	.172	.161	.175	1.08	.62	4.3	4.7	4.1	4.8
May	29.776	30.193	29.460	59.4	66.4	59.6	70.1	50.3	60.2	94	42	43	44	43	57	48	59	.287	.298	.291	2.21	.59	4.7	5.2	4.8	4.6
June	29.796	30.210	29.300	70.4	77.5	71.2	80.8	62.0	71.4	93	44	59	58	60	69	56	72	.511	.511	.536	2.71	.89	5.3	4.4	3.6	4.6
July	29.725	29.988	29.370	72.1	79.0	73.0	81.9	63.9	72.9	93	56	60	59	61	66	53	68	.519	.518	.548	3.80	1.85	4.0	5.9	4.9	4.9
August	29.834	30.160	29.500	69.0	76.5	70.3	79.5	61.6	70.6	97	52	59	57	60	71	54	72	.503	.483	.529	2.14	.88	3.7	4.5	4.3	4.1
September	29.812	30.189	29.500	65.6	74.5	67.9	77.6	59.1	68.4	90	47	56	54	56	73	52	68	.476	.451	.479	1.23	1.14	5.3	3.7	3.2	3.8
October	29.859	30.176	29.150	48.9	57.7	52.6	59.9	43.9	51.9	77	33	40	39	42	73	54	68	.263	.259	.282	3.60	1.46	4.5	4.5	3.8	4.6
November	29.982	30.580	28.870	40.8	47.7	44.6	50.4	36.7	43.6	64	13	33	34	36	75	62	73	.213	.226	.237	3.32	1.47	5.3	4.9	4.5	5.1
December	29.836	30.450	29.240	30.6	35.2	33.7	38.6	26.8	32.7	57	6	22	25	25	68	65	71	.125	.139	.143	2.67	1.01	6.3	5.6	5.7	5.9
Year	29.829	30.655	28.820	49.4	56.8	52.1	60.1	43.3	51.7	97	−2	39	39	41	68	54	67	.289	.289	.306	30.97	1.85	4.8	4.8	4.4	4.8

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	25.236	25.630	24.790	10.0	25.0	25.2	32.0	5.5	18.8	62	−17	4	7	10	76	49	54	0.053	0.060	0.066	0.51	0.15	3.0	3.8	2.5	3.5
February	25.207	25.570	24.790	30.6	52.8	52.4	59.3	27.2	43.2	72	16	19	20	17	62	30	27	.100	.109	.094	.06	.06	2.2	3.8	2.7	3.4
March	25.190	25.700	24.760	27.8	46.8	47.9	52.9	23.8	38.4	72	10	18	16	17	67	34	34	.097	.090	.094	.56	.34	3.6	5.0	5.3	4.9
April	25.218	25.580	24.800	42.9	66.1	67.5	72.3	41.5	56.9	85	24	34	31	29	70	31	27	.202	.180	.170	1.24	.80	4.6	4.3	5.6	4.6
May	25.181	25.550	24.800	46.9	65.8	65.5	71.3	44.4	57.8	88	31	38	34	33	72	35	36	.231	.201	.199	2.12	.96	4.9	4.6	5.4	5.0
June	25.224	25.530	24.871	57.5	81.2	82.7	87.1	55.4	71.2	101	46	43	39	39	61	25	25	.286	.249	.251	1.89	1.43	1.2	1.4	4.2	2.5
July	25.347	25.580	25.093	62.8	83.8	82.4	88.6	61.3	75.0	99	56	51	48	48	68	34	36	.381	.344	.342	2.64	1.14	4.0	3.0	6.7	5.1
August	25.347	25.550	25.097	60.9	82.6	80.9	87.3	60.1	73.7	96	53	54	52	51	80	37	38	.425	.399	.381	3.03	1.48	3.7	3.1	5.9	4.4
September	25.274	25.570	24.920	52.9	75.0	73.7	80.3	50.8	65.6	92	32	41	38	41	66	30	34	.272	.254	.272	1.03	.80	4.0	3.2	4.7	4.1
October	25.267	25.600	24.830	39.9	60.0	58.8	65.0	37.6	51.3	82	21	32	31	32	75	38	41	.192	.186	.194	.57	.32	3.6	3.8	2.1	3.8
November	25.275	25.795	24.670	29.0	51.9	46.6	56.4	24.6	40.5	74	8	17	17	20	62	30	39	.093	.094	.106	.44	.26	2.6	2.9	2.5	2.8
December	25.329	25.579	25.030	18.7	41.8	35.0	45.6	13.8	29.7	62	3	11	15	18	70	35	48	.070	.085	.094	.13	.12	3.1	2.9	2.5	3.1
Year	25.258	25.795	24.670	40.0	61.1	59.9	66.5	37.2	51.8	101	−17	30	29	30	69	34	37	.200	.188	.189	14.22	1.48	3.4	3.5	4.2	3.9

Annual meteorological summary for the year ending December 31, 1930—Continued

PORTLAND, ME.

[H_b=103 ft.; h_t=82 ft.; h_r=75 ft.; h_a=117 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 33 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: Thunderstorm	Electricity: Aurora
	Miles		*Mi.*																									
January	7.4	N.	21	NE.	0	24	3	1	0	2	15	5	12	0	11	4	16	12	11	12	8	0	3	16	0	27	0	0
February	7.4	N.	29	NW.	0	17	2	2	1	3	12	10	7	2	14	3	11	14	10	11	9	0	7	11	0	22	0	6
March	9.5	NW.	34	NW.	1	8	5	4	3	4	8	13	16	1	15	7	9	13	11	8	4	0	1	3	0	23	2	8
April	8.0	NW.	38	SE.	1	11	3	3	1	7	12	6	13	4	19	6	5	5	5	2	0	1	5	0	0	12	0	10
May	7.8	NW.	27	N.	0	8	4	9	3	6	7	10	11	4	9	10	12	16	10	0	0	1	0	0	0	0	7	12
June	7.5	S.	34	NW.	1	0	1	5	2	14	18	9	8	3	16	5	9	12	8	0	0	0	9	0	1	0	9	5
July	6.5	S.	27	NW.	0	13	1	5	1	7	15	5	8	7	12	12	7	12	10	0	0	0	2	0	0	0	10	10
August	6.4	SW.	30	NE.	0	5	3	4	3	5	19	2	14	7	10	15	6	13	9	0	0	1	5	0	0	0	8	12
September	6.5	W.	22	NW.	0	8	2	3	1	6	13	12	9	6	14	9	7	7	6	0	0	0	6	0	0	0	5	12
October	7.8	N.	36	NE.	1	25	6	1	2	2	6	4	10	6	15	4	12	9	7	1	0	1	2	0	0	3	1	13
November	8.3	SW.	27	SW.	0	10	8	1	1	2	17	9	9	3	11	8	11	8	7	3	0	0	2	2	0	11	2	12
December	7.4	N.	29	NW.	0	23	7	1	0	1	10	6	14	0	11	5	15	8	7	12	7	0	2	8	0	31	0	2
Year	7.5	N.	38	SE.	4	152	45	39	18	59	152	91	131	43	157	88	120	129	101	49	28	4	44	40	1	129	44	102

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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	7.3	E.	28	E.	0	3	7	28	10	2	1	2	9	0	6	5	20	16	12	13	8	0	1	18	0	24	0	0
February	5.5	SE.	27	S.	0	4	0	5	12	10	11	2	12	0	0	5	23	17	16	1	0	1	3	0	0	3	0	0
March	6.0	NW.	23	E.	0	5	5	7	8	4	4	7	22	0	9	6	16	8	6	0	0	0	0	0	0	0	0	0
April	4.6	NW.	20	S.	0	4	2	2	13	0	12	9	16	2	7	2	21	18	12	0	0	0	0	0	0	0	3	0
May	4.9	NW.	20	SW.	0	4	2	1	12	6	10	5	20	2	6	6	19	16	11	0	0	2	0	0	0	0	4	0
June	5.2	NW.	20	SW.	0	6	0	4	11	4	6	9	18	2	5	9	16	5	4	0	0	0	0	0	1	0	0	0
July	5.4	NW.	16	NW.	0	14	1	2	8	3	0	2	32	0	12	14	5	0	0	0	0	0	0	0	1	0	1	0
August	4.2	NW.	13	SW.	0	13	1	3	9	4	5	5	22	0	14	10	7	3	1	0	0	0	0	0	3	0	2	0
September	4.4	NW.	18	NW.	0	6	5	2	8	4	5	6	23	1	9	6	15	10	8	0	0	0	0	0	1	0	2	0
October	4.1	NW.	18	E.	0	4	1	10	15	6	5	3	18	0	5	13	13	12	8	0	0	0	2	0	0	0	1	0
November	4.8	SE.	20	E.	0	5	1	6	16	9	6	4	12	1	2	8	20	11	9	0	0	0	6	0	0	2	0	0
December	5.5	E.	20	E.	0	6	3	18	17	3	5	0	9	1	3	6	22	16	12	1	0	0	1	0	0	5	0	0
Year	5.2	NW.	28	E.	0	74	28	88	139	55	70	54	213	9	78	90	197	132	99	15	8	3	13	18	6	34	13	0

PROVIDENCE, R. I.

[H_b=160 ft.; h_t=215 ft.; h_r=211 ft.; h_a=251 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	9.6	NW.	37	NW.	2	8	5	3	4	6	14	1	21	0	7	8	16	9	8	9	6	0	0	12	0	23	0	0
February	10.2	NW.	44	NW.	3	5	1	1	2	5	14	3	25	0	15	5	8	11	9	11	7	0	2	6	0	21	1	0
March	13.0	NW.	48	NW.	7	1	4	3	3	3	11	7	30	0	15	10	6	9	7	2	0	0	2	1	0	19	1	0
April	11.9	NW.	55	SE.	5	3	3	4	5	7	8	4	26	0	12	9	9	9	6	2	0	0	0	0	0	6	0	0
May	10.9	NW.	40	NW.	3	5	2	2	8	4	5	8	27	1	16	5	10	11	7	0	0	0	0	0	2	0	3	3
June	9.9	SW.	39	NW.	1	0	0	0	7	12	20	6	15	0	14	9	7	11	10	0	0	0	0	0	3	0	2	0
July	8.7	NW.	33	SE.	1	6	7	2	2	4	19	4	18	0	13	9	9	8	4	0	0	0	0	0	4	0	6	0
August	8.2	NW.	48	NW.	1	7	6	2	7	13	17	0	10	0	15	12	4	7	6	0	0	0	0	0	3	0	5	0
September	8.1	NW.	36	NW.	1	7	2	1	4	11	18	0	17	0	15	11	4	4	3	0	0	1	0	0	1	0	1	1
October	10.2	NW.	38	NW.	1	12	5	0	6	0	7	3	29	0	16	4	11	10	7	0	0	0	0	0	0	0	0	0
November	9.6	NW.	50	NW.	2	8	6	2	2	7	16	4	13	2	12	8	10	12	10	2	1	0	2	1	0	10	1	0
December	10.2	NW.	42	NW.	4	9	5	0	1	3	8	4	32	0	12	3	16	9	7	8	3	0	0	5	0	22	0	0
Year	10.0	NW.	55	SE.	31	71	46	20	51	75	157	44	263	3	162	93	110	110	84	34	17	1	6	25	13	101	20	4

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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	5.1	NW.	32	W.	0	5	2	14	12	1	1	12	15	0	18	11	2	8	5	9	8	0	2	18	0	31	0	0
February	6.4	NW.	34	NW.	2	11	5	6	3	2	3	8	17	1	18	8	2	2	1	3	2	0	0	0	0	23	0	0
March	6.0	NW.	32	W.	0	10	6	15	10	0	4	5	11	1	11	12	8	5	3	7	4	0	0	3	0	30	0	0
April	5.8	NW.	30	S.	0	11	3	12	9	4	2	6	13	0	12	12	6	4	3	1	1	0	0	0	0	2	4	0
May	6.7	E.	36	S.	2	7	2	16	8	3	5	7	12	2	11	14	6	12	8	0	0	2	0	0	0	1	4	0
June	6.3	E.	34	N.	1	11	5	14	8	3	1	5	11	2	22	7	1	4	4	0	0	2	0	0	10	0	7	0
July	5.6	E.	34	W.	1	11	5	12	5	2	3	5	17	2	7	19	5	6	5	0	0	0	0	0	17	0	4	0
August	5.0	NW.	26	W.	0	14	6	9	3	5	3	2	18	2	13	13	5	12	11	0	0	0	0	0	9	0	11	0
September	5.5	E.	34	NW.	1	8	5	20	4	0	1	4	18	0	15	12	3	4	4	0	0	0	1	0	1	1	4	0
October	5.0	NW.	23	S.	0	4	4	21	10	0	1	5	17	0	16	10	5	9	3	0	0	1	0	0	0	10	1	0
November	6.0	NW.	43	NW.	3	10	2	11	6	0	3	5	23	0	20	8	2	3	3	4	3	0	0	0	0	28	0	0
December	4.0	NW.	18	NW.	0	4	6	9	6	4	3	7	23	0	18	11	2	2	1	4	2	0	0	2	0	31	0	0
Year	5.6	NW	43	NW.	10	106	51	159	84	24	30	71	195	10	181	137	47	71	51	28	20	5	3	23	37	157	35	0

Annual meteorological summary for the year ending December 31, 1930—Continued

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
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.831	30.350	29.420	38.0	47.1	45.9	53.2	34.6	43.9	75	19	33	36	36	82	66	70	0.213	0.236	0.237	2.95	1.03	7.0	7.2	4.5	6.2
February	29.730	30.140	29.150	40.9	54.6	53.4	60.6	38.6	49.6	82	22	33	36	38	72	50	57	.201	.231	.246	1.18	.50	4.0	3.8	1.9	3.0
March	29.494	30.016	28.790	43.2	53.4	51.8	59.1	38.5	48.8	74	22	35	40	40	74	65	66	.221	.274	.264	2.33	1.15	5.2	5.0	3.3	4.6
April	29.648	30.100	29.000	53.5	65.9	63.5	71.2	49.9	60.6	94	38	44	46	46	73	53	56	.306	.329	.318	2.16	.73	4.8	5.2	4.2	4.9
May	29.652	29.910	29.280	65.8	76.8	73.5	81.3	60.3	70.8	91	46	56	54	56	73	47	57	.465	.437	.467	2.02	.73	5.7	5.4	5.3	5.3
June	29.619	30.012	29.270	70.9	80.8	76.9	84.8	64.7	74.8	99	52	63	60	62	78	52	64	.588	.534	.568	4.24	1.77	5.1	5.7	6.0	5.2
July	29.577	29.830	29.320	75.9	85.8	81.3	90.1	70.8	80.4	99	62	68	68	68	78	56	66	.701	.681	.688	5.94	1.58	5.6	5.1	5.4	5.7
August	29.625	29.920	29.420	70.4	82.0	78.3	86.3	65.7	76.0	98	58	62	61	62	76	50	60	.577	.549	.581	1.25	.59	4.0	4.1	4.6	4.5
September	29.635	29.925	29.400	71.2	81.9	76.5	85.7	67.6	76.6	97	58	66	65	66	84	57	72	.645	.624	.651	3.31	1.98	5.6	6.0	4.7	6.0
October	29.699	30.068	29.350	52.0	64.6	60.5	68.4	48.5	58.4	83	34	44	47	44	73	55	58	.309	.356	.319	2.91	.85	3.6	3.9	3.4	4.2
November	29.799	30.380	29.150	44.0	53.8	51.4	57.8	41.0	49.4	74	19	37	41	39	78	64	64	.256	.298	.273	1.95	1.02	5.4	6.2	4.5	6.3
December	29.695	30.260	29.300	34.5	43.3	41.2	47.7	31.8	39.8	66	21	28	32	29	78	64	64	.163	.189	.173	3.68	1.25	5.4	5.6	4.3	5.5
Year	29.667	30.380	28.790	55.0	65.8	62.8	70.5	51.0	60.8	99	19	47	49	49	77	57	63	.387	.395	.399	33.92	1.98	5.1	5.3	4.3	5.1

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	26.672	26.990	26.170	4.8	15.9	11.6	19.5	−2.1	8.7	57	−33	−3	5	3	73	65	70	0.038	0.059	0.050	0.64	0.13	3.6	6.1	5.0	6.0
February	26.519	26.882	26.140	32.7	44.7	40.1	49.0	26.7	37.8	74	7	22	24	24	64	48	55	.119	.135	.128	.18	.15	4.8	6.0	5.9	5.9
March	26.564	27.180	26.030	27.0	37.5	36.7	43.3	22.1	32.7	63	−3	18	22	22	68	54	58	.099	.117	.120	.97	.42	5.1	4.5	5.3	5.1
April	26.573	26.895	26.230	44.0	58.9	59.5	64.6	40.5	52.6	84	19	34	35	36	69	46	47	.198	.214	.220	1.67	.63	5.1	6.2	6.1	6.0
May	26.547	26.878	26.113	46.7	58.3	58.2	63.1	42.2	52.6	85	32	36	38	37	70	50	51	.219	.231	.225	.92	.49	6.3	7.4	7.2	7.1
June	26.548	26.920	25.940	57.6	72.5	73.3	77.8	51.8	64.8	94	38	43	43	42	62	36	35	.290	.291	.285	2.16	1.06	3.3	3.7	4.1	3.9
July	26.638	26.942	26.320	66.1	84.9	85.5	89.9	61.9	75.9	101	52	50	48	47	57	30	29	.364	.350	.329	.92	.49	2.8	3.7	4.6	3.7
August	26.677	26.910	26.388	64.8	77.7	78.2	82.9	62.1	72.5	97	45	52	53	53	67	48	46	.400	.416	.413	.96	.79	6.4	6.0	5.6	6.2
September	26.602	26.944	26.074	49.6	70.3	69.1	74.6	47.2	60.9	94	33	40	41	39	71	38	37	.254	.272	.256	.76	.69	3.0	4.4	4.4	4.6
October	26.637	27.010	26.143	40.4	50.8	47.0	55.2	35.6	45.4	80	18	31	34	34	71	56	63	.188	.211	.212	3.58	1.72	4.8	5.7	6.2	5.7
November	26.634	27.160	25.794	34.2	44.8	38.6	51.4	27.6	39.5	74	15	21	26	24	60	53	57	.110	.139	.126	.77	.66	3.6	5.2	5.1	5.0
December	26.660	26.954	26.380	28.0	40.2	33.2	43.0	22.7	32.8	64	10	19	23	23	69	52	66	.101	.120	.121	.21	.20	3.2	5.0	3.3	4.9
Year	26.606	27.180	25.794	41.3	54.7	52.6	59.5	36.5	48.0	101	−33	30	33	32	67	48	51	.198	.213	.207	13.74	1.72	4.3	5.3	5.2	5.3

READING, PA.

[ϕ=40° 20′ N.; λ=75° 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
January	29.886	30.440	29.450	27.8	33.3	33.0	37.9	24.5	31.2	67	2	23	25	25	79	69	70	0.137	0.150	0.150	2.29	0.91	6.8	7.7	6.2	7.2
February	29.749	30.250	29.220	32.3	39.4	39.6	46.0	29.2	37.6	77	6	25	27	30	74	63	68	.148	.163	.179	2.60	.65	6.8	6.1	5.1	6.0
March	29.467	30.179	28.740	35.0	44.9	43.7	50.3	31.9	41.1	72	19	26	25	28	69	47	53	.144	.149	.161	2.07	.99	4.7	5.5	3.5	4.7
April	29.689	30.150	28.860	44.6	54.0	51.7	58.2	40.5	49.4	74	29	35	32	35	70	46	54	.211	.196	.216	2.91	1.95	5.9	6.7	6.3	6.3
May	29.651	30.025	29.280	59.9	69.8	66.6	74.6	53.2	63.9	93	44	46	44	45	63	44	49	.326	.311	.315	3.69	1.65	4.5	5.4	4.4	4.5
June	29.630	30.027	29.259	70.3	79.8	75.4	83.9	63.4	73.6	94	47	57	55	59	64	45	59	.472	.450	.509	2.55	.64	3.9	5.2	4.5	4.1
July	29.586	29.848	29.300	72.8	83.1	79.2	87.5	65.8	76.6	101	54	61	59	59	67	46	53	.543	.512	.519	1.73	.79	4.7	5.9	4.8	5.0
August	29.660	30.010	29.350	68.4	80.2	76.4	84.5	63.1	73.8	99	51	58	55	56	70	45	52	.487	.453	.465	1.21	.70	4.1	5.2	5.2	4.9
September	29.660	29.970	29.320	65.9	77.2	72.4	81.2	61.6	71.4	91	49	59	57	57	78	51	60	.515	.489	.485	3.25	1.25	5.3	5.0	4.6	5.3
October	29.742	30.051	29.320	47.6	59.7	55.9	64.3	43.7	54.0	81	31	40	39	41	76	48	59	.260	.257	.282	.66	.44	3.9	4.8	4.3	4.9
November	29.835	30.416	28.990	40.6	48.3	46.4	51.8	37.4	44.6	66	14	34	34	36	78	61	67	.223	.228	.230	2.11	1.06	6.3	7.2	5.2	6.7
December	29.722	30.270	29.200	30.6	35.7	34.5	38.9	27.8	33.4	51	11	24	24	24	76	63	66	.134	.135	.134	2.61	2.13	6.3	7.7	6.3	7.0
Year	29.690	30.440	28.740	49.6	58.8	56.2	63.3	45.2	54.2	101	2	41	40	41	72	52	59	.300	.291	.304	27.68	2.13	5.3	6.0	5.0	5.6

RED BLUFF, CALIF.

[ϕ=40° 10′ N.; λ=122° 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	29.683	30.050	29.326	39.2	45.8	47.2	49.5	36.2	42.8	66	20	35	38	38	84	75	72	0.206	0.232	0.221	3.87	0.73	6.1	6.5	6.5	6.7
February	29.725	30.010	29.200	46.8	59.0	61.5	63.9	43.4	53.6	80	32	42	47	47	86	67	63	.271	.326	.328	3.42	1.62	4.7	4.3	5.2	3.4
March	29.624	29.960	29.070	48.5	63.7	68.3	69.7	45.3	57.5	88	32	40	41	40	74	48	41	.246	.261	.254	4.38	1.47	2.8	3.0	3.7	3.7
April	29.616	29.940	29.297	51.5	67.2	71.3	73.5	49.3	61.4	84	42	45	45	45	79	47	41	.302	.304	.303	.58	.34	4.2	3.6	5.4	5.2
May	29.573	29.930	29.307	52.5	69.1	73.7	75.9	50.3	63.1	88	43	43	43	42	72	42	36	.284	.289	.278	2.14	.96	2.5	2.7	4.3	4.4
June	29.495	29.710	29.171	63.3	84.9	91.6	92.7	61.9	77.3	106	54	44	42	40	53	24	18	.291	.274	.251	0	0	1.4	1.1	1.4	1.5
July	29.514	29.760	29.330	66.9	90.0	96.0	97.8	65.2	81.5	108	56	46	46	44	50	23	18	.320	.318	.295	0	0	1.2	1.3	1.6	1.9
August	29.548	29.720	29.340	64.5	86.7	92.8	94.4	62.2	78.3	104	56	47	48	44	54	27	19	.327	.337	.292	0	0	1.0	1.1	1.5	1.3
September	29.543	29.830	29.280	58.4	75.2	80.0	82.2	56.1	69.2	95	51	48	49	48	70	43	36	.343	.354	.335	.58	.19	3.0	3.2	3.8	3.6
October	29.600	29.890	29.180	53.0	71.9	74.5	78.7	49.8	64.2	93	43	41	39	39	66	33	30	.269	.245	.244	.47	.45	.2	2.2	2.3	3.4
November	29.725	30.110	29.114	46.4	62.6	64.0	68.6	42.4	55.5	83	33	34	33	34	63	37	36	.196	.194	.200	1.06	.86	3.0	2.9	3.7	3.4
December	29.836	30.090	29.460	38.7	52.6	54.2	58.9	35.4	47.2	68	20	30	29	28	70	42	39	.171	.167	.164	1.51	1.34	2.9	4.4	3.9	4.2
Year	29.624	30.110	29.070	52.5	69.1	72.9	75.5	49.8	62.6	108	20	41	42	41	68	42	37	.269	.275	.265	18.00	1.62	2.8	3.1	3.6	3.7

Annual meteorological summary for the year ending December 31, 1930—Continued

RALEIGH, N. C.

[H_b=376 ft.; h_i=103 ft.; h_r=94 ft.; h_a=146 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 33 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: Thunderstorm	Electricity: Aurora
	Miles		*Mi.*																									
January	6.2	NE.	24	NW.	0	7	18	3	5	5	11	6	7	0	9	7	15	14	11	3	3	0	4	1	0	17	0	0
February	5.7	SW.	27	NW.	0	3	5	2	6	6	17	7	7	3	21	3	4	4	4	1	0	0	3	0	0	8	1	0
March	7.5	SW.	30	SE.	0	5	3	5	3	8	11	13	12	2	16	4	11	11	8	1	1	0	1	0	0	6	0	0
April	6.1	NE.	28	NW.	0	11	12	4	6	3	13	3	8	0	12	7	11	8	6	0	0	0	2	0	2	0	3	0
May	5.4	SW.	25	NE.	0	6	11	2	3	7	21	9	2	1	11	8	12	8	5	0	0	1	0	0	3	0	5	0
June	5.9	SW.	31	NW.	0	4	8	5	4	12	15	6	4	2	9	12	9	13	9	0	0	0	0	0	4	0	11	0
July	6.4	SW.	43	NW.	1	3	6	7	9	8	17	8	4	0	7	13	11	9	8	0	0	0	2	0	20	0	11	0
August	6.3	SW.	26	W.	0	8	7	5	4	8	17	6	6	1	12	12	7	6	5	0	0	0	1	0	9	0	5	0
September	5.7	SW.	34	N.	1	7	12	3	1	5	25	6	1	0	7	14	9	8	7	0	0	0	1	0	11	0	5	0
October	7.0	NE.	30	NW.	0	16	13	4	2	4	8	5	8	2	17	7	7	8	7	0	0	0	0	0	0	0	0	0
November	7.1	NE.	30	N.	0	13	15	2	5	4	8	9	4	0	9	5	16	9	6	1	0	0	4	0	0	7	0	0
December	7.9	NW.	28	NW.	0	16	8	3	1	4	7	9	12	2	13	6	12	7	7	4	2	0	2	1	0	15	0	0
Year	6.4	SW.	43	NW.	2	99	118	45	49	74	170	87	75	13	143	98	124	105	83	10	6	1	20	2	49	53	41	0

RAPID CITY, S. DAK.

[H_b=3,259 ft.; h_i=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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	5.9	NW.	31	NE.	0	16	5	3	3	2	8	7	17	1	8	9	14	12	7	19	12	0	0	24	0	30	0	0
February	6.8	W.	28	NW.	0	12	2	0	8	3	0	16	14	1	7	12	9	3	2	8	2	0	0	3	0	18	0	0
March	8.1	N.	30	N.	0	18	2	1	8	6	0	14	13	0	12	8	11	11	6	15	9	0	1	3	0	29	0	0
April	6.8	N.	31	W.	0	11	4	6	9	7	0	12	7	4	7	13	10	10	7	1	0	1	4	0	0	3	4	0
May	8.5	N.	36	NW.	1	18	4	1	9	10	2	13	5	0	4	9	18	9	6	3	1	1	0	0	0	1	4	0
June	7.6	W.	32	NW.	0	9	4	0	10	8	3	16	10	0	15	12	3	11	7	0	0	2	2	0	3	0	9	1
July	6.3	W.	24	N.	0	6	8	5	9	4	1	14	11	4	15	14	2	5	5	0	0	0	0	0	15	0	11	0
August	5.8	W.	25	NE.	0	9	7	5	8	10	1	16	6	0	5	16	10	6	4	0	0	0	1	0	7	0	4	0
September	5.7	W.	25	SW.	0	11	3	4	7	6	4	12	9	4	13	12	5	3	2	1	1	0	0	0	2	0	3	1
October	6.3	N.	30	NW.	0	13	10	0	6	7	1	13	11	1	10	11	10	8	8	5	1	0	4	2	0	11	2	0
November	8.3	W.	47	NW.	2	11	2	1	3	7	2	13	18	3	11	10	9	4	2	7	4	0	3	2	0	22	0	0
December	6.3	W.	24	N.	0	9	1	2	4	4	1	17	22	2	11	10	10	2	1	8	2	0	3	4	0	29	0	0
Year	6.9	N.	47	NW.	3	143	52	28	84	74	23	163	143	20	118	136	111	84	57	67	32	4	18	38	27	143	37	2

READING, PA.

[H_b=325 ft.; h_i=81 ft.; h_r=73 ft.; h_a=98 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	4.9	W.	22	N.	0	13	2	1	6	7	5	10	18	0	8	2	21	8	8	7	3	0	1	13	0	22	0	0
February	5.5	W.	20	W.	0	5	4	2	10	6	8	8	13	0	8	8	12	10	8	6	3	0	1	4	0	18	0	0
March	8.0	W.	32	E.	0	4	0	1	13	1	12	13	18	0	12	11	8	8	8	8	1	0	0	1	0	17	0	0
April	6.5	SE.	21	SE.	0	5	2	0	14	5	8	13	13	0	7	13	10	9	7	2	0	0	0	0	0	3	3	0
May	5.8	W.	20	NW.	0	6	5	7	5	4	3	23	9	0	14	10	7	9	7	0	0	0	0	0	2	0	4	0
June	5.5	SW.	20	SE.	0	5	4	4	9	6	16	10	6	0	14	12	4	8	8	0	0	0	0	0	4	0	5	0
July	4.8	N.	22	SW.	0	11	6	4	10	3	9	7	11	1	10	14	7	9	5	0	0	2	1	0	10	0	8	0
August	4.2	SW.	17	NW.	0	9	3	2	12	8	9	7	11	1	14	8	9	6	4	0	0	1	0	0	9	0	3	0
September	4.0	SE.	17	W.	0	6	2	0	18	8	12	3	8	3	9	13	8	11	7	0	0	0	0	0	2	0	9	0
October	4.1	NW.	26	W.	0	9	6	0	7	6	4	11	16	3	13	10	8	4	3	0	0	0	2	0	0	2	2	0
November	5.2	W.	21	NW.	0	7	3	3	14	6	8	13	6	0	7	8	15	10	8	3	0	0	0	3	0	11	1	0
December	5.7	NW.	23	NW.	0	9	4	2	5	6	4	13	19	0	7	9	15	9	5	11	6	0	1	4	0	21	0	0
Year	5.4	W.	32	E.	0	89	41	26	123	66	98	131	148	8	123	118	124	101	78	37	13	3	6	25	27	94	35	0

RED BLUFF, CALIF.

[H_b=330 ft.; h_i=5 ft.; h_r=3 ft.; h_a=58 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	5.1	NW.	29	SE.	0	18	1	0	9	7	1	3	23	0	8	6	17	13	10	7	5	0	2	0	0	8	0	0
February	5.0	NW.	30	SE.	0	16	1	1	5	11	3	3	16	0	10	10	8	11	8	0	0	1	0	0	0	1	1	0
March	6.1	NW.	24	SE.	0	7	3	3	10	8	1	6	24	0	18	6	7	7	6	0	0	1	0	0	0	1	1	0
April	5.6	S.	26	SE.	0	4	2	1	15	19	3	2	13	1	9	14	7	5	3	0	0	0	0	0	0	0	4	0
May	5.6	SE.	20	NW.	0	12	1	1	14	13	1	5	13	2	14	8	9	6	4	0	0	0	0	0	0	0	2	0
June	6.0	NW.	23	NW.	0	13	2	2	15	5	1	2	17	3	26	2	2	0	0	0	0	0	0	0	0	17	0	0
July	4.5	S.	16	N.	0	3	1	9	22	12	1	3	10	1	25	4	2	0	0	0	0	0	0	0	0	30	0	0
August	4.4	S.	14	SE.	0	5	0	4	22	16	3	1	11	0	27	3	1	0	0	0	0	0	0	0	0	25	0	0
September	4.4	S.	18	SE.	0	5	1	2	16	17	0	5	14	0	17	5	8	8	4	0	0	0	0	0	0	10	0	0
October	4.7	NW.	24	NW.	0	21	0	3	4	5	1	2	26	0	21	9	1	3	1	0	0	0	0	0	0	3	0	0
November	5.1	NW.	24	SE.	0	15	0	4	3	3	2	3	28	2	19	7	4	4	3	0	0	0	0	0	0	0	0	0
December	4.8	NW.	25	S.	0	21	0	2	4	3	0	3	28	1	16	8	7	6	4	1	0	0	1	0	0	10	0	0
Year	5.1	NW.	30	SE.	0	140	12	32	139	119	17	38	223	10	210	82	73	63	43	8	5	2	3	0	85	20	12	0

Annual meteorological summary for the year ending December 31, 1930—Continued

RENO, NEV.

[ϕ=39° 32′ N.; λ=119° 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
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	25.404	25.840	24.960	22.8	31.9	33.1	37.7	17.8	27.8	55	−2	18	23	24	82	68	68	0.196	0.121	0.131	1.42	0.48	5.5	5.7	5.2	6.1
February	25.509	25.810	25.060	33.6	49.3	50.8	55.3	29.6	42.4	71	20	26	30	31	75	49	49	.142	.164	.172	.41	.17	4.3	5.2	5.0	4.8
March	25.436	25.760	24.850	33.5	52.3	53.3	57.1	31.1	44.1	73	17	26	27	27	72	39	38	.136	.144	.144	.55	.23	3.1	3.7	3.7	3.4
April	25.428	25.730	25.149	39.6	61.2	60.3	65.3	37.0	51.2	80	29	30	28	32	69	30	37	.168	.151	.180	.66	.36	3.7	5.0	4.7	4.4
May	25.383	25.720	25.034	41.4	60.2	59.4	64.1	38.6	51.4	82	29	32	29	31	70	33	36	.177	.159	.173	.43	.21	4.4	5.6	5.4	5.1
June	25.433	25.610	25.160	49.5	78.3	80.0	83.6	48.0	65.8	97	38	35	31	32	58	18	19	.207	.172	.183	T.	T.	.8	1.6	1.5	1.3
July	25.495	25.690	25.344	57.0	84.7	84.9	89.6	55.3	72.4	100	47	40	40	42	54	21	23	.253	.253	.278	T.	T.	1.8	2.5	3.6	2.4
August	25.513	25.750	25.354	54.8	81.0	79.3	85.4	52.5	69.0	94	42	40	37	40	59	23	27	.255	.231	.253	.48	.34	1.9	3.0	4.2	2.8
September	25.432	25.680	25.234	48.8	70.2	70.2	74.9	45.8	60.4	88	32	37	33	32	64	29	28	.219	.188	.184	1.15	1.04	3.7	3.0	3.9	3.4
October	25.488	25.790	25.061	38.0	61.6	61.5	66.4	35.2	50.8	76	24	29	30	29	70	31	30	.163	.166	.162	.07	*.12	1.9	2.1	2.8	2.1
November	25.579	25.974	24.940	30.6	49.2	49.9	55.5	25.9	40.7	73	6	22	26	27	70	44	46	.120	.141	.148	1.07	.80	2.2	2.6	2.5	2.5
December	25.623	25.850	25.300	21.3	38.7	39.2	44.9	18.0	31.4	60	9	16	25	20	78	57	44	.089	.133	.108	T.	T.	2.4	3.4	2.9	3.0
Year	25.477	25.974	24.850	39.2	59.9	60.2	65.0	36.2	50.6	100	−2	29	30	31	68	37	37	.177	.169	.176	6.24	1.04	3.0	3.6	3.8	3.4

RICHMOND, VA.

[ϕ=37° 32′ N.; λ=77° 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	30.102	30.620	29.660	34.4	43.5	41.2	48.5	30.7	39.6	75	11	30	33	34	84	67	74	0.190	0.216	0.210	4.25	1.40	6.7	6.0	5.4	6.2
February	29.974	30.430	29.420	36.8	51.6	47.9	56.7	33.9	45.3	82	11	30	32	33	75	49	59	.179	.200	.205	1.21	.75	4.3	3.4	2.7	3.9
March	29.724	30.360	29.030	39.8	51.8	49.3	57.8	35.1	46.4	76	22	28	28	30	64	41	48	.172	.163	.184	1.07	.32	4.4	5.0	3.5	4.6
April	29.908	30.360	29.140	49.4	61.2	58.1	67.3	43.9	55.6	94	31	41	40	41	74	50	58	.271	.264	.279	3.19	1.53	4.6	5.1	5.9	4.8
May	29.881	30.210	29.510	64.0	75.0	71.6	80.4	57.1	68.8	92	47	52	51	51	67	45	52	.404	.388	.396	2.71	.73	3.2	3.4	4.8	3.5
June	29.854	30.253	29.470	69.8	81.2	76.1	84.8	63.5	74.2	96	45	63	60	63	80	52	66	.586	.541	.588	5.18	2.23	4.6	4.5	4.9	4.6
July	29.808	30.070	29.550	74.8	86.4	80.2	90.3	69.2	79.8	103	61	65	67	68	78	54	67	.671	.669	.680	4.51	2.05	3.7	4.0	4.6	4.0
August	29.867	30.170	29.630	69.8	83.5	77.5	87.6	64.6	76.1	101	55	62	60	62	78	46	60	.572	.531	.562	2.35	1.83	3.5	4.4	4.3	4.0
September	29.868	30.160	29.580	69.6	83.0	76.3	87.4	66.1	76.8	97	55	64	60	62	82	48	63	.604	.546	.572	1.37	1.16	5.8	3.9	4.2	4.6
October	29.958	30.340	29.580	49.8	64.6	58.0	68.3	46.1	57.2	84	29	42	40	42	75	43	57	.295	.276	.299	1.31	.68	3.6	4.4	2.9	3.7
November	30.056	30.700	29.290	42.0	53.1	49.1	56.9	39.3	48.1	71	16	36	40	40	80	62	70	.251	.284	.281	1.63	.81	5.6	6.2	5.0	5.9
December	29.964	30.520	29.440	31.3	41.0	38.4	45.0	28.6	36.8	62	16	27	30	29	82	66	69	.153	.174	.168	2.48	1.18	5.3	5.4	4.9	5.5
Year	29.913	30.700	29.030	52.6	64.7	60.3	69.2	48.2	58.7	103	11	45	45	46	77	52	62	.362	.354	.369	31.26	2.23	4.6	4.6	4.4	4.6

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
January	29.602	30.210	29.040	23.9	26.9	26.3	33.3	19.0	26.2	57	2	18	19	19	77	71	73	0.109	0.116	0.116	2.92	0.78	8.5	8.7	7.4	8.4
February	29.472	29.900	29.104	28.0	32.4	30.5	37.7	22.5	30.1	67	3	22	22	22	75	65	69	.127	.131	.130	1.90	.51	8.3	7.8	7.2	7.3
March	29.226	29.980	28.520	29.4	34.2	31.9	38.3	25.3	31.8	62	15	22	23	24	74	61	70	.121	.126	.131	4.59	2.08	7.0	7.8	6.3	6.4
April	29.452	29.860	28.660	40.7	47.6	44.9	52.3	35.2	43.8	75	24	30	30	32	65	51	61	.170	.177	.188	1.51	.47	6.6	7.0	6.0	6.4
May	29.430	29.737	29.020	56.7	63.4	60.2	67.9	50.1	59.0	90	37	44	46	47	64	55	63	.308	.323	.333	2.53	1.08	4.6	5.9	5.1	4.8
June	29.375	29.725	28.950	66.3	74.5	70.3	78.7	59.6	69.2	94	48	55	57	57	69	58	65	.448	.486	.473	4.07	.86	4.4	7.1	4.6	4.8
July	29.381	29.701	28.980	67.7	76.3	73.0	81.4	61.4	71.4	95	51	56	56	56	68	51	56	.463	.455	.458	2.15	.63	4.7	5.5	4.0	4.3
August	29.456	29.768	29.240	65.5	75.6	71.1	79.4	60.2	69.8	96	48	54	53	55	68	48	58	.430	.407	.439	2.05	1.65	5.6	6.3	5.3	5.9
September	29.424	29.701	29.020	60.9	71.0	65.5	74.5	56.3	65.4	88	42	50	49	52	68	48	64	.371	.370	.420	1.55	.78	4.0	6.6	4.9	5.5
October	29.528	29.880	29.130	45.4	56.2	50.8	58.6	42.2	50.4	80	30	39	39	40	79	54	68	.251	.258	.268	1.83	.53	5.2	7.2	4.4	6.3
November	29.541	30.050	28.700	39.8	46.6	44.2	50.1	36.8	43.4	71	9	31	33	34	71	60	67	.192	.211	.215	1.17	.46	7.8	8.0	6.9	7.7
December	29.466	30.070	28.940	28.7	31.3	30.5	34.4	24.5	29.4	49	5	23	24	24	78	74	73	.127	.133	.129	1.71	.53	9.3	9.7	9.3	9.4
Year	29.446	30.210	28.520	46.1	53.0	49.9	57.2	41.1	49.2	96	2	37	38	38	71	58	66	.260	.266	.275	27.98	2.08	6.3	7.3	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	29.493	29.940	28.950	31.4	34.9	37.6	39.5	28.8	34.2	60	17	30	31	32	94	85	82	0.171	0.178	0.189	3.94	1.00	9.6	8.4	8.1	8.6
February	29.521	29.830	28.780	43.6	50.3	53.3	55.3	40.4	47.8	68	30	41	41	41	91	72	65	.263	.266	.265	2.96	.47	9.0	7.7	7.8	8.5
March	29.517	29.880	28.941	40.2	53.5	59.1	60.9	37.5	49.2	82	26	37	36	37	88	54	46	.223	.220	.224	.90	.54	5.6	4.9	4.6	5.9
April	29.449	29.750	29.070	46.5	60.0	62.8	65.7	44.6	55.2	78	36	43	43	43	88	54	51	.281	.279	.280	2.67	.98	7.2	6.0	6.9	6.8
May	29.492	29.920	29.220	44.8	58.7	61.1	64.1	43.0	53.6	81	35	42	42	42	89	55	52	.264	.268	.267	2.45	.52	6.2	6.7	6.3	6.7
June	29.500	29.720	29.160	49.5	66.6	71.7	74.0	48.4	61.2	95	40	45	45	44	86	48	39	.301	.306	.293	.47	.22	5.1	3.2	2.9	4.0
July	29.508	29.720	29.334	53.9	72.6	80.1	81.2	52.8	67.0	94	47	48	49	46	82	45	32	.340	.351	.322	T.	T.	1.9	2.2	1.0	1.8
August	29.483	29.650	29.270	56.1	74.5	80.0	82.2	54.4	68.3	97	47	50	50	50	82	44	36	.368	.369	.365	T.	T.	2.9	1.9	2.1	2.7
September	29.436	29.730	29.170	51.5	66.7	70.9	73.0	49.3	61.2	92	37	48	49	49	90	55	49	.340	.353	.350	1.18	.49	5.3	4.9	3.3	5.0
October	29.520	29.840	29.080	44.8	58.9	63.3	65.1	41.8	53.4	75	35	43	45	44	94	61	52	.280	.298	.296	.80	.36	5.6	4.5	4.1	5.4
November	29.603	30.130	28.630	41.1	47.1	49.1	51.7	38.4	45.0	74	34	39	41	42	94	80	79	.244	.261	.273	3.78	1.57	8.1	7.8	7.2	8.0
December	29.574	30.020	28.980	37.4	42.7	45.0	47.5	34.5	41.0	62	26	36	38	39	95	83	80	.215	.229	.238	2.02	.60	8.9	7.4	5.9	7.5
Year	29.516	30.130	28.630	45.1	57.2	61.2	63.4	42.8	53.1	97	17	42	42	42	89	61	55	.274	.282	.280	21.17	1.57	6.3	5.5	5.0	5.9

*Sept. 30–Oct. 1.

Annual meteorological summary for the year ending December 31, 1930—Continued

RENO, NEV.

[H_b=4,532 ft.; h_t=74 ft.; h_r=67 ft.; h_a=81 ft.]

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp. 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorm	Aurora
	Miles		*Mi.*																									
January	4.3	SE.	33	S.	1	4	4	7	10	6	18	10	2	1	5	16	10	14	11	16	12	0	4	10	0	31	0	0
February	5.0	W.	34	SE.	2	3	2	1	11	8	7	20	4	0	8	15	5	5	3	8	5	0	0	0	0	21	0	0
March	5.3	W.	30	W.	0	6	4	3	4	8	7	18	11	1	18	8	5	7	4	6	4	0	0	0	0	15	1	0
April	6.8	W.	38	W.	2	1	1	3	4	2	13	33	3	0	12	12	6	6	3	3	2	0	0	0	0	6	0	0
May	7.8	W.	34	W.	3	4	1	3	2	6	11	24	9	2	10	13	8	7	5	5	3	0	1	0	0	5	0	0
June	6.5	W.	29	W.	0	0	2	2	1	2	10	36	6	1	26	4	1	0	0	0	0	0	0	0	9	0	0	0
July	6.0	W.	24	W.	0	1	1	1	3	1	14	38	2	1	22	5	4	0	0	0	0	0	0	0	17	0	2	0
August	5.6	W.	31	W.	0	0	1	1	5	1	14	35	3	2	22	6	3	4	3	0	0	0	0	0	2	0	7	0
September	5.8	W.	30	W.	0	5	4	3	4	4	10	27	3	0	17	8	5	4	2	0	0	0	0	0	0	1	1	0
October	4.8	W.	36	SW.	1	4	8	9	5	3	11	19	2	1	23	6	2	1	1	0	0	0	0	0	0	13	0	0
November	3.9	W.	28	W.	0	5	3	7	4	9	13	16	3	0	22	5	3	3	3	3	3	0	0	1	0	27	0	0
December	2.8	W.	25	W.	0	4	4	4	1	7	7	24	3	8	19	8	4	0	0	1	0	0	0	0	0	31	0	0
Year	5.4	W.	38	W.	9	37	35	44	54	57	135	300	51	17	204	106	55	51	35	42	29	0	5	11	28	150	11	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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	6.5	NE.	27	SW.	0	5	12	10	6	9	10	5	4	1	8	10	13	14	9	7	5	0	5	2	0	21	1	0
February	7.1	SW.	34	W.	1	3	8	4	10	4	17	5	3	2	16	8	4	4	4	1	1	0	1	1	0	13	0	0
March	9.1	W.	45	S.	2	0	7	3	6	9	14	10	13	0	13	8	10	9	7	0	0	0	0	0	0	11	0	0
April	6.9	NE.	48	NW.	2	6	12	7	10	2	11	6	5	1	12	11	7	9	6	0	0	0	0	0	2	1	1	0
May	6.8	SW.	25	W.	0	3	11	6	6	2	16	13	5	0	16	10	5	9	7	0	0	0	0	0	3	0	6	0
June	5.8	SW.	40	NW.	1	3	3	4	9	5	19	11	5	1	10	14	6	10	8	0	0	0	1	0	4	0	4	0
July	6.2	SW.	28	W.	0	5	12	3	11	4	16	9	2	0	14	13	4	7	5	0	0	0	0	0	15	0	5	0
August	5.0	SW.	31	N.	0	7	9	6	8	6	16	6	2	2	16	8	7	6	4	0	0	0	0	0	14	0	4	0
September	5.2	SW.	23	SW.	0	2	8	6	9	6	17	11	1	0	11	13	6	7	3	0	0	0	1	0	13	0	3	0
October	6.1	NE.	24	N.	0	5	15	13	1	5	10	9	4	0	16	11	4	7	6	0	0	0	1	0	0	3	1	0
November	6.7	SW.	30	NE.	0	3	16	6	3	5	15	6	6	0	10	5	15	6	5	1	0	0	2	1	0	12	0	0
December	6.6	NE.	26	NW.	0	13	12	6	5	1	7	7	10	1	12	6	13	7	6	3	1	0	1	3	0	21	0	0
Year	6.5	SW.	48	NW.	6	55	125	*74	84	58	168	98	60	8	154	117	94	95	70	12	7	0	12	7	51	82	25	0

ROCHESTER, N. Y.

[H_b=523 ft.; h_t=86 ft.; h_r=77 ft.; h_a=102 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	8.6	SW.	30	W.	0	1	2	2	6	11	20	13	7	0	1	9	21	21	11	20	15	0	0	18	0	24	0	0
February	8.3	SW.	34	SW.	1	1	5	3	6	7	17	12	5	0	5	6	17	17	11	16	14	0	0	12	0	21	0	0
March	9.5	W.	26	W.	0	1	5	3	3	5	15	19	10	1	8	5	18	21	16	21	17	0	1	6	0	27	2	0
April	8.4	W.	25	W.	0	2	5	6	4	7	7	20	9	0	7	9	14	14	9	7	7	0	0	0	0	11	1	0
May	8.9	W.	33	W.	1	0	2	6	4	3	19	19	9	0	12	10	9	14	8	0	0	0	0	0	1	0	3	2
June	7.3	SW.	27	W.	0	4	2	0	2	9	24	11	8	0	12	9	9	11	9	0	0	1	1	0	2	0	7	0
July	6.5	NW.	24	NW.	0	4	6	1	0	4	15	14	18	0	14	13	4	7	5	0	0	0	0	0	4	0	3	0
August	5.8	SW.	28	SW.	0	1	9	6	2	6	18	7	12	1	6	16	9	10	3	0	0	0	0	0	5	0	4	0
September	5.9	SW.	28	SW.	0	2	6	3	2	6	27	7	6	1	9	13	8	6	4	0	0	0	0	0	0	0	5	1
October	5.6	SW.	25	SW.	0	3	6	3	4	9	19	12	4	2	7	8	16	10	8	7	2	0	3	0	0	4	0	0
November	7.4	SW.	25	W.	0	0	2	7	4	13	20	12	2	0	2	8	20	9	8	9	6	0	2	3	0	8	0	0
December	7.4	SW.	30	W.	0	3	1	4	5	9	19	15	6	0	0	2	29	18	13	19	12	0	0	11	0	24	0	0
Year	7.5	SW.	34	SW.	2	22	51	44	42	89	220	161	96	5	83	108	174	158	105	99	73	1	7	50	12	119	25	3

ROSEBURG, OREG.

[H_b=510 ft.; h_t=75 ft.; h_r=60 ft.; h_a=99 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	3.1	NW.	18	SW.	0	14	1	7	3	9	1	3	24	0	0	9	22	19	17	10	9	0	2	8	0	22	0	0
February	3.1	S.	22	S.	0	10	4	5	6	11	8	3	8	1	0	8	20	20	15	2	1	1	3	0	0	5	0	0
March	3.3	N.	22	N.	0	22	5	3	3	8	5	4	8	4	8	11	12	6	4	0	0	0	4	0	0	5	0	0
April	3.4	NW.	25	SW.	0	16	4	6	1	7	4	6	12	4	6	6	18	12	11	0	0	0	0	0	0	0	2	0
May	3.9	N.	25	SW.	0	23	7	2	2	7	6	7	8	0	4	9	18	12	10	0	0	3	1	0	0	0	0	0
June	4.4	N.	24	N.	0	30	7	1	0	2	2	2	11	5	13	13	4	4	3	0	0	0	0	0	1	0	0	0
July	4.6	N.	17	N.	0	24	8	0	0	1	1	0	12	16	22	8	1	0	0	0	0	0	0	0	2	0	0	0
August	3.7	N.	17	NW.	0	24	2	0	1	2	0	3	12	18	20	7	4	0	0	0	0	0	0	0	4	0	1	0
September	2.9	N.	16	SW.	0	22	4	2	3	4	3	2	9	11	9	11	10	9	6	0	0	0	1	0	1	0	0	0
October	2.2	NW.	20	SW.	0	13	4	3	0	3	8	3	19	9	9	13	9	7	5	0	0	0	8	0	0	0	0	0
November	2.6	S.	20	SW.	0	6	1	11	4	12	5	1	15	5	2	9	19	10	8	1	0	0	12	0	0	0	0	0
December	2.4	E.	19	S.	0	7	6	9	6	7	9	1	16	1	0	14	17	14	10	0	0	0	9	0	0	12	0	0
Year	3.3	N.	25	SW.	0	211	53	49	29	73	52	35	154	74	93	118	154	113	89	13	10	4	40	8	8	44	3	0

Annual meteorological summary for the year ending December 31, 1930—Continued

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
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	26.412	26.900	25.940	24.3	37.1	40.0	46.6	19.8	33.2	69	−2	18	22	22	78	59	50	0.101	0.120	0.118	0.26	0.19	5.5	4.5	4.4	5.0
February	26.358	26.740	25.990	37.2	59.9	62.4	67.8	32.0	49.9	81	21	22	23	19	52	25	20	.115	.124	.103	T.	T.	2.7	2.0	1.3	1.8
March	26.314	26.820	25.950	35.2	57.0	59.2	63.0	31.7	47.4	80	18	23	22	19	61	28	24	.127	.123	.107	.96	.76	3.2	3.6	3.5	3.5
April	26.317	26.670	26.020	49.9	74.0	76.0	79.7	47.6	63.6	89	38	35	33	29	59	25	21	.212	.202	.170	.53	.44	3.3	3.3	3.0	3.2
May	26.285	26.740	25.990	54.6	73.9	77.5	80.3	51.8	66.0	97	37	39	36	31	58	31	24	.262	.249	.207	.48	.33	3.8	3.0	3.2	3.3
June	26.299	26.630	26.018	64.4	83.8	87.8	90.6	62.6	76.6	103	54	54	52	49	72	38	30	.434	.406	.357	1.72	1.42	3.5	2.2	3.6	3.1
July	26.410	26.650	26.220	68.0	86.6	88.3	92.1	66.7	79.4	97	60	56	54	51	66	34	30	.454	.420	.382	.60	.31	2.9	2.3	4.5	3.2
August	26.404	26.600	26.242	66.1	87.4	87.0	93.0	64.8	78.9	102	57	55	53	52	69	32	35	.437	.403	.399	1.92	1.57	2.8	1.8	3.9	2.8
September	26.354	26.670	26.090	60.3	82.2	83.4	88.2	58.4	73.3	100	47	44	45	42	59	30	26	.311	.321	.284	.55	.36	3.5	2.3	4.5	3.4
October	26.374	26.750	26.090	52.2	65.4	65.4	70.5	50.2	60.4	85	35	48	49	49	87	59	58	.359	.365	.362	2.76	1.44	6.1	4.9	3.5	5.0
November	26.440	26.947	25.840	37.6	54.1	53.1	59.5	35.0	47.2	72	23	31	33	33	76	47	49	.181	.194	.200	.43	.35	3.1	4.4	3.2	4.1
December	26.471	26.740	26.100	27.9	44.2	44.6	51.0	25.5	38.2	62	18	23	24	26	80	46	47	.121	.130	.138	.26	.21	2.6	2.6	2.1	2.5
Year	26.370	26.947	25.840	48.1	67.1	68.7	73.5	45.5	59.5	103	−2	37	37	35	68	38	34	.260	.255	.236	10.47	1.57	3.6	3.1	3.4	3.4

ROYAL CENTER, IND.

[ϕ=40° 53′ N.; λ=86° 29′ 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	29.377	29.840	28.700	17.3	23.5	.....	28.3	12.1	20.2	52	−19	15	18	...	90	78	...	0.101	0.109	.....	3.87	0.91	7.1	6.7	.....	7.0
February	29.232	29.660	28.760	33.5	41.0	.....	45.4	30.6	38.0	68	7	29	31	...	82	67	...	.172	.187	.....	1.58	1.08	7.5	7.5	.....	6.9
March	29.057	29.662	28.466	30.3	40.3	.....	44.6	26.8	35.7	72	11	26	28	...	82	62	...	.142	.159	.....	1.60	.65	5.2	4.6	.....	5.4
April	29.236	29.578	28.851	44.4	56.7	.....	61.5	39.4	50.4	90	25	38	40	...	78	57	...	.243	.267	.....	3.86	1.76	5.8	5.9	.....	5.8
May	29.219	29.656	28.904	57.3	67.2	.....	71.2	50.7	61.0	84	36	50	50	...	77	56	...	.372	.382	.....	2.03	.68	5.1	6.7	.....	5.6
June	29.176	29.469	28.887	64.8	76.5	.....	80.4	56.2	68.3	98	42	55	56	...	74	53	...	.452	.468	.....	2.57	.90	4.6	5.8	.....	5.0
July	29.217	29.404	28.890	69.3	81.6	.....	86.1	60.6	73.4	100	46	60	62	...	73	53	...	.532	.560	.....	5.46	2.92	3.9	3.8	.....	4.0
August	29.266	29.542	29.020	65.6	78.8	.....	82.2	59.7	71.0	93	44	59	61	...	80	56	...	.512	.546	.....	2.23	.78	5.3	5.4	.....	5.7
September	29.208	29.530	28.720	59.6	73.1	.....	76.7	54.1	65.4	87	33	55	56	...	84	58	...	.459	.482	.....	4.52	1.34	5.2	4.6	.....	4.8
October	29.306	29.710	28.880	43.5	57.9	.....	60.4	40.6	50.5	82	20	39	43	...	85	58	...	.271	.307	.....	1.34	.87	4.7	5.4	.....	5.2
November	29.307	29.880	28.630	36.1	46.0	.....	49.7	31.7	40.7	76	−3	33	35	...	87	69	...	.211	.230	.....	2.73	1.68	5.2	6.4	.....	6.0
December	29.279	29.861	28.860	25.8	31.8	.....	34.7	22.8	28.8	50	7	23	26	...	89	79	...	.130	.146	.....	.24	.08	6.9	6.5	.....	6.9
Year	29.240	29.880	28.466	45.6	56.2	.....	60.1	40.4	50.3	100	−19	40	42	...	82	62	...	.300	.320	.....	32.03	2.92	5.5	5.8	.....	5.7

SACRAMENTO, CALIF

[ϕ=38° 35′N.; λ=121° 30′ 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	29.976	30.350	29.570	40.4	45.7	49.1	50.5	38.4	44.4	63	28	38	41	43	92	85	81	0.236	0.264	0.283	3.65	0.86	4.7	2.4	6.5	6.0
February	30.019	30.310	29.560	47.1	56.4	61.3	62.8	44.4	53.6	76	34	44	50	49	90	79	67	.294	.359	.358	1.62	.92	2.3	2.7	2.9	2.5
March	29.901	30.260	29.320	48.0	58.8	65.0	66.5	46.1	56.3	81	37	45	48	46	89	70	55	.299	.339	.322	2.86	1.22	2.1	2.6	2.7	2.5
April	29.924	30.230	29.560	49.5	63.9	69.3	70.7	47.9	59.3	79	41	46	52	52	90	66	56	.318	.384	.390	.94	.56	2.5	2.9	2.9	2.6
May	29.869	30.190	29.600	48.7	65.8	70.3	72.8	47.7	60.2	88	40	45	51	46	88	61	46	.302	.383	.319	.34	.17	1.9	2.2	2.4	2.1
June	29.776	29.990	29.530	56.0	77.4	85.9	88.0	55.2	71.6	104	48	51	54	47	85	46	30	.378	.425	.331	T.	T.	.8	.5	.3	.7
July	29.807	30.060	29.640	57.1	79.2	88.5	90.4	55.9	73.2	106	50	53	56	54	86	46	33	.404	.451	.420	0	0	.7	.7	.9	.5
August	29.838	30.010	29.679	58.0	78.3	87.3	89.2	56.5	72.8	98	51	53	56	54	83	48	34	.401	.453	.419	T.	T.	.7	.4	.5	.6
September	29.841	30.090	29.631	55.2	70.7	76.0	77.9	53.4	65.6	91	48	51	55	51	86	59	44	.376	.437	.378	.29	.21	1.7	2.3	1.8	2.3
October	29.874	30.170	29.530	51.7	67.3	75.0	76.7	49.2	63.0	92	42	45	46	44	79	50	35	.303	.323	.293	.47	.46	1.0	1.1	.9	1.1
November	30.002	30.360	29.560	46.0	58.4	65.2	66.8	42.7	54.8	82	35	41	43	43	82	61	49	.258	.287	.283	1.11	.44	1.7	2.0	2.2	2.3
December	30.116	30.410	29.850	38.9	48.2	55.3	56.7	35.4	46.0	64	26	36	40	42	88	74	63	.212	.252	.277	.56	.11	1.6	2.7	2.5	3.0
Year	29.912	30.410	29.320	49.7	64.2	70.7	72.4	47.7	60.1	106	26	46	49	48	86	62	49	.315	.363	.339	11.84	1.22	1.8	1.9	2.2	2.2

ST. JOSEPH, MO.

[ϕ=39° 49′ N.; λ=94° 51′ 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	29.174	29.580	28.610	11.1	19.3	18.2	23.9	6.9	15.4	53	−17	8	10	12	87	68	77	0.068	0.073	0.078	1.30	0.58	4.3	4.3	4.2	4.8
February	28.943	29.520	28.430	37.9	48.0	47.5	54.1	34.5	44.3	83	3	31	31	33	75	54	58	.181	.186	.201	.83	.52	4.4	3.4	3.7	4.0
March	28.904	29.510	28.400	33.2	47.4	47.1	54.0	31.1	42.6	76	11	24	23	22	67	39	38	.133	.133	.126	.83	.58	2.8	2.5	2.2	2.7
April	28.948	29.210	28.520	49.6	64.3	64.2	70.1	47.9	59.0	93	30	38	38	39	67	44	46	.250	.256	.268	2.92	2.00	4.0	4.4	4.4	4.6
May	28.910	29.350	28.150	56.7	67.6	68.2	72.8	53.6	63.2	86	41	49	49	51	76	54	57	.366	.370	.389	4.45	1.34	4.7	4.3	4.3	4.8
June	28.898	29.190	28.630	65.4	77.7	77.6	81.9	62.1	72.0	97	47	57	58	60	75	52	56	.474	.496	.529	5.32	2.24	3.0	3.7	2.7	3.7
July	28.955	29.220	28.714	72.8	88.3	88.3	92.9	70.1	81.5	106	55	60	61	60	65	41	40	.530	.542	.533	1.46	.59	2.4	2.4	1.4	2.6
August	28.975	29.270	28.737	69.4	84.3	84.5	89.5	68.1	78.8	107	59	60	61	62	73	48	49	.519	.538	.559	3.29	1.48	4.5	3.6	2.3	3.8
September	28.910	29.270	28.380	62.3	76.6	73.6	80.8	59.5	70.2	93	44	56	57	58	81	53	60	.474	.494	.505	2.75	1.16	5.0	3.9	2.0	3.7
October	29.034	29.530	28.520	47.4	59.7	56.7	64.0	46.0	55.0	86	23	42	41	42	80	52	59	.293	.295	.302	3.99	1.79	4.4	4.1	4.1	4.5
November	29.012	29.500	28.130	37.8	52.0	48.3	56.3	35.8	46.0	73	15	30	32	32	72	46	54	.177	.195	.200	3.87	2.06	2.1	2.4	2.8	2.4
December	29.082	29.570	28.749	28.0	35.3	34.3	39.6	25.5	32.6	61	15	24	24	25	85	64	68	.130	.133	.136	.70	.61	4.3	4.7	3.5	4.8
Year	28.979	29.580	28.130	47.6	60.0	59.0	65.0	45.1	55.0	107	−17	40	40	41	75	51	55	.300	.309	.319	31.71	2.24	3.8	3.6	3.2	3.9

Annual meteorological summary for the year ending December 31, 1930—Continued

ROSWELL, N. MEX.

[H_b=3,566 ft.; h_t=75 ft.; h_r=69 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 33 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 temperature: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorm	Aurora
	Miles		*Mi.*																									
January	5.8	S.	31	W.	0	7	15	2	8	19	3	2	5	1	12	11	8	3	2	4	2	0	2	6	0	29	0	0
February	6.8	S.	34	NW.	1	7	6	2	5	12	4	6	13	1	21	7	0	0	0	0	0	0	0	0	0	15	0	0
March	8.1	S.	36	NW.	2	9	5	5	7	17	3	8	7	1	19	6	6	4	2	4	2	0	0	0	0	18	0	0
April	6.8	S.	29	NW.	0	7	3	4	10	14	7	6	8	1	18	9	3	3	2	0	0	1	1	0	0	0	7	0
May	9.0	S.	34	NE.	1	2	2	2	7	19	7	12	7	4	19	7	5	5	4	0	0	0	0	0	4	0	4	0
June	8.1	S.	34	N.	1	3	3	3	9	31	4	3	1	3	18	10	2	4	3	0	0	1	0	0	16	0	10	0
July	6.6	S.	26	SE.	0	4	4	2	12	27	4	1	4	4	18	12	1	6	5	0	0	0	0	0	25	0	7	0
August	5.6	S.	32	SE.	0	7	1	3	14	15	5	6	6	5	22	8	1	6	4	0	0	1	0	0	21	0	11	0
September	6.1	S.	24	SW.	0	4	5	1	10	17	8	7	6	2	16	11	3	4	4	0	0	0	0	0	15	0	5	0
October	6.3	S.	32	NW.	0	7	8	1	9	26	5	2	2	2	12	8	11	13	9	0	0	2	0	0	0	0	6	0
November	6.4	S.	36	W.	1	6	4	3	4	27	6	5	5	0	14	11	5	6	2	1	0	0	2	0	0	10	1	0
December	5.2	N.	33	NW.	1	18	6	3	4	16	4	5	3	3	22	6	3	3	2	2	2	0	0	0	0	28	0	0
Year	6.7	S.	36	NW.	7	81	62	31	99	240	60	63	67	27	211	106	48	57	39	11	6	5	5	6	81	100	51	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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	9.4	W.	28	W.	0	1	2	2	3	6	6	6	5	0	7	7	17	16	14	10	7	0	2	20	0	29	1	0
February	10.2	SW.	32	W.	0	0	1	1	4	7	5	5	5	0	5	10	13	5	3	6	2	0	2	5	0	18	1	0
March	12.7	W.	34	W.	1	1	5	2	2	4	4	12	1	0	13	4	14	11	5	8	6	0	1	3	0	25	0	0
April	10.3	E.	37	NW.	1	3	1	6	7	1	4	5	2	1	7	12	11	12	10	0	0	0	1	0	1	10	4	0
May	9.6	S.	36	W.	1	4	1	2	4	8	3	7	2	0	11	8	12	12	9	0	0	0	1	0	0	0	8	0
June	8.0	S.	30	W.	0	2	2	0	3	5	6	4	6	2	12	11	7	9	7	0	0	0	0	0	2	0	10	0
July	7.1	N.	30	W.	0	5	4	2	3	4	8	2	3	0	16	12	3	9	8	0	0	1	0	0	12	0	8	0
August	5.6	NE.	60	W.	1	3	8	3	3	5	5	3	1	0	10	10	11	12	10	0	0	0	0	0	3	0	11	0
September	6.9	S.	28	SW.	0	2	2	3	3	10	5	4	0	1	11	11	8	9	8	0	0	0	1	0	0	0	5	1
October	7.5	E.	27	W.	0	3	0	6	6	6	2	7	1	0	12	10	9	7	4	3	2	0	4	0	0	12	0	0
November	9.5	SW.	30	W.	0	1	1	1	8	6	4	7	1	1	9	5	16	9	8	5	2	0	4	4	0	14	0	0
December	9.3	W.	28	W.	0	1	2	3	1	3	11	7	3	0	8	4	19	11	1	13	8	0	0	13	0	26	0	0
Year	8.8	W.	60	W.	4	26	29	31	47	65	63	69	30	5	121	104	140	122	87	45	27	1	16	45	18	134	48	1

SACRAMENTO, CALIF.

[H_b=69 ft.; h_t=106 ft.; h_r=100 ft.; h_a=117 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	6.4	SE.	32	SE.	0	9	1	2	18	9	0	3	15	5	8	10	13	14	11	2	1	0	6	0	0	7	0	0
February	6.4	SE.	37	SE.	1	5	1	1	21	8	4	1	12	3	20	6	2	8	7	0	0	1	3	0	0	0	1	0
March	7.1	SE.	24	SE.	0	6	2	2	16	8	5	2	18	3	22	6	3	7	5	0	0	1	1	0	0	0	0	0
April	6.4	S.	23	SW.	0	3	0	0	23	12	14	1	5	2	20	8	2	6	4	0	0	0	0	0	0	0	3	0
May	8.1	S.	24	SW.	0	0	0	0	17	20	14	2	8	1	23	7	1	4	3	0	0	0	0	0	0	0	0	0
June	7.4	S.	21	S.	0	0	0	0	17	20	7	2	11	3	28	1	1	0	0	0	0	0	0	0	13	0	0	0
July	7.9	S.	17	S.	0	1	0	0	12	41	3	2	3	0	29	2	0	0	0	0	0	0	0	0	16	0	0	0
August	7.6	S.	18	S.	0	0	0	0	19	36	5	0	2	0	30	1	0	0	0	0	0	0	0	0	16	0	1	0
September	7.0	S.	19	SW.	0	1	0	1	28	20	5	0	4	1	22	5	3	4	2	0	0	0	0	0	1	0	1	0
October	5.4	NW.	28	SW.	0	11	2	3	10	8	1	3	20	4	27	4	0	3	2	0	0	0	1	0	3	0	0	0
November	5.2	NW.	29	SE.	0	9	5	2	10	3	1	6	12	12	22	4	4	6	5	0	0	0	2	0	0	0	0	0
December	4.8	NW.	28	NW.	0	7	4	1	13	2	2	2	18	13	21	6	4	3	2	0	0	0	6	0	0	10	0	0
Year	6.6	S.	37	SE.	1	52	15	12	204	187	61	24	128	47	272	60	33	55	41	2	1	2	19	0	49	17	6	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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	7.8	NW.	26	NW.	0	9	8	4	2	8	11	6	14	0	12	10	9	11	9	12	9	0	0	24	0	29	0	0
February	8.3	SW.	28	NW.	0	5	5	2	6	13	12	2	11	0	13	10	5	4	3	1	1	1	0	2	0	11	2	0
March	10.8	NW.	33	NW.	1	4	6	3	8	8	7	1	25	0	21	7	3	3	2	4	2	1	0	2	0	19	1	0
April	8.3	SE.	34	W.	1	2	11	9	14	7	7	0	10	0	14	7	9	13	10	0	0	0	1	0	1	1	11	0
May	8.4	SW.	39	NW.	1	2	13	1	10	15	10	3	8	0	13	10	8	12	8	0	0	4	0	0	0	0	6	0
June	7.4	SE.	32	NW.	0	2	6	4	14	12	7	3	11	1	17	8	5	10	6	0	0	1	0	0	4	0	7	0
July	6.0	SW.	31	NW.	0	4	6	1	14	10	19	2	6	0	21	7	3	5	4	0	0	1	0	0	19	0	4	0
August	5.7	SE.	30	NW.	0	1	14	11	18	6	9	2	0	1	18	8	5	11	8	0	0	0	0	0	13	0	11	0
September	6.2	SE.	33	W.	1	6	4	9	14	16	2	3	6	0	16	8	6	10	6	0	0	1	0	0	3	0	5	0
October	6.8	SE.	29	NW.	0	3	3	0	23	8	6	4	15	0	14	9	8	10	6	2	0	0	0	0	0	8	2	0
November	9.2	SE.	47	NW.	1	1	4	1	19	10	9	5	11	0	22	4	4	5	5	3	0	0	1	2	0	12	3	0
December	6.6	NW.	24	NW.	0	10	7	1	6	4	13	7	14	0	14	7	10	4	3	9	2	0	1	3	0	28	0	0
Year	7.6	SW.	47	NW.	5	49	87	46	148	117	112	38	131	2	195	95	75	98	70	31	14	9	3	33	40	108	52	0

Annual meteorological summary for the year ending December 31, 1930—Continued

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
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.621	30.020	28.960	21.8	28.0	26.7	32.5	16.9	24.7	60	−13	17	19	19	80	69	73	0.109	0.117	0.113	5.70	0.92	5.0	4.9	5.8	5.5
February	29.436	29.890	29.010	39.6	48.4	48.0	53.6	37.0	45.3	80	12	32	35	35	73	62	63	.194	.230	.224	2.35	.98	6.1	6.0	4.5	5.7
March	29.313	29.780	28.760	36.7	47.7	48.2	53.9	34.8	44.4	70	18	27	29	29	67	49	50	.154	.167	.173	.99	.49	4.1	4.8	4.5	3.9
April	29.408	29.690	29.030	53.6	64.5	66.0	70.3	52.0	61.2	93	39	41	42	41	63	48	43	.270	.296	.274	1.32	.62	4.8	4.5	3.9	4.1
May	29.390	29.810	28.910	60.8	71.6	72.4	76.4	58.2	67.3	88	46	52	53	51	73	54	50	.399	.422	.390	1.69	.98	5.1	3.9	3.1	4.0
June	29.357	29.640	29.111	68.9	80.1	80.7	84.7	65.5	75.1	101	52	56	59	56	65	51	45	.465	.518	.462	2.63	1.23	2.8	5.0	4.0	4.2
July	29.388	29.600	29.150	76.0	88.9	89.5	94.0	73.3	83.6	108	57	60	61	59	60	41	38	.539	.553	.514	.25	.21	2.8	2.5	3.5	2.5
August	29.415	29.700	29.240	72.7	85.2	85.7	89.7	71.2	80.4	105	59	58	58	56	62	43	39	.500	.491	.463	.28	.09	4.3	5.0	4.2	4.5
September	29.374	29.670	28.970	64.7	77.1	75.7	81.7	63.5	72.6	96	50	57	59	58	77	56	57	.485	.527	.511	3.51	1.50	4.3	4.7	3.4	4.4
October	29.489	29.960	29.060	50.4	62.1	59.3	65.2	49.0	57.1	84	31	43	45	44	77	55	58	.312	.332	.318	1.84	1.23	4.1	3.5	4.4	3.6
November	29.495	30.030	28.760	41.1	51.3	49.7	56.3	38.8	47.6	74	15	34	39	37	77	64	63	.221	.268	.245	1.77	.98	3.7	3.7	2.6	3.8
December	29.515	30.000	29.210	32.0	38.9	37.4	42.6	29.1	35.8	65	18	26	27	26	77	62	64	.143	.151	.149	.90	.78	4.9	5.1	5.0	5.3
Year	29.433	30.030	28.760	51.5	62.0	61.0	66.7	49.1	57.9	108	−13	42	44	43	71	54	54	.316	.339	.320	23.23	1.50	4.3	4.5	4.1	4.3

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	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	29.248	29.790	28.680	2.7	9.2	.....	14.9	−2.2	6.4	40	−25	1	5	...	91	82	...	0.050	0.056	.....	1.00	0.42	4.8	5.9	....	5.6
February	29.003	29.590	28.590	22.6	29.6	.....	35.1	18.7	26.9	58	−13	20	24	...	90	81	...	.122	.146	.....	2.09	1.43	6.3	6.6	....	7.4
March	28.996	29.477	28.580	24.8	35.0	.....	40.8	23.0	31.9	71	−2	20	23	...	83	61	...	.113	.135	.....	.59	.32	6.2	5.3	....	5.5
April	29.113	29.351	28.700	40.8	54.4	.....	59.6	39.0	49.3	79	22	34	38	...	75	56	...	.202	.246	.....	.75	.31	4.9	4.8	....	4.7
May	29.002	29.487	28.370	51.5	61.9	.....	67.5	47.8	57.6	84	32	43	44	...	75	56	...	.298	.328	.....	3.39	1.46	6.3	5.2	....	5.8
June	28.971	29.300	28.490	61.1	73.0	.....	77.2	58.0	67.6	88	50	53	54	...	76	52	...	.415	.423	.....	4.44	1.10	4.4	5.2	....	4.9
July	29.036	29.370	28.720	66.5	80.9	.....	85.7	63.1	74.4	96	51	58	57	...	76	46	...	.506	.496	.....	1.00	.69	4.0	4.9	....	4.3
August	29.128	29.410	28.780	64.7	80.5	.....	85.2	62.8	74.0	98	53	54	52	...	68	38	...	.425	.396	.....	.48	.16	5.6	4.2	....	4.8
September	29.017	29.460	28.530	53.3	66.6	.....	72.2	50.8	61.5	86	34	45	44	...	75	47	...	.321	.313	.....	2.90	1.28	3.7	4.1	....	4.3
October	29.113	29.650	28.690	41.3	50.7	.....	54.9	39.5	47.2	84	20	36	38	...	82	62	...	.242	.271	.....	1.50	.54	6.8	6.9	....	6.8
November	29.048	29.680	28.040	31.8	40.0	.....	45.5	27.4	36.4	67	−7	27	28	...	84	65	...	.172	.175	.....	1.72	.64	4.6	5.8	....	5.4
December	29.146	29.769	28.640	19.5	23.9	.....	28.9	16.3	22.6	47	−11	16	19	...	86	80	...	.094	.104	.....	.19	.06	6.4	6.5	....	7.0
Year	29.068	29.790	28.040	40.0	50.5	.....	55.6	37.0	46.3	98	−25	34	36	...	80	60	...	.247	.257	.....	20.05	1.46	5.3	5.4	....	5.5

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	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	25.612	26.170	25.160	21.4	27.1	27.0	31.1	16.0	23.6	52	−4	14	15	17	74	61	66	0.085	0.089	0.096	1.38	0.25	6.0	6.5	7.1	6.7
February	25.660	25.980	25.240	36.4	44.3	43.7	47.9	31.9	39.9	65	23	27	28	30	69	54	59	.145	.151	.163	2.15	.89	6.6	6.4	6.7	6.5
March	25.574	25.950	25.169	37.8	46.7	48.5	50.9	34.6	42.8	63	24	26	26	28	62	46	46	.140	.140	.152	.74	.48	4.5	4.9	5.4	4.9
April	25.570	25.980	25.317	48.9	63.6	64.3	67.5	46.2	56.8	81	36	34	31	30	58	34	31	.198	.176	.171	1.48	.66	4.7	4.6	5.6	5.0
May	25.500	25.880	25.170	49.6	61.7	62.6	67.0	46.0	56.5	86	33	34	32	33	57	38	38	.194	.181	.189	1.52	.60	4.3	6.0	6.5	5.6
June	25.576	25.860	25.270	59.2	75.6	79.3	80.7	57.1	68.9	96	47	36	32	30	44	23	18	.220	.185	.170	.32	.22	1.8	1.6	2.3	1.9
July	25.630	25.830	25.410	69.7	86.4	87.5	90.8	67.5	79.2	100	60	46	48	46	46	29	27	.321	.351	.325	.84	.61	2.8	1.5	2.9	2.5
August	25.664	25.840	25.450	67.3	80.8	80.3	84.8	64.9	74.8	92	60	52	53	53	60	41	42	.393	.412	.409	1.87	.60	3.9	3.5	5.4	4.5
September	25.604	25.870	25.258	56.8	72.1	71.5	75.1	53.8	64.4	87	39	38	39	39	53	33	34	.236	.245	.245	2.40	1.07	3.4	3.2	4.3	3.8
October	25.650	26.020	25.230	44.3	55.2	54.1	59.0	40.7	49.8	71	30	33	33	35	66	45	50	.195	.190	.148	1.42	.43	4.2	3.8	3.5	3.8
November	25.764	26.200	25.010	30.1	40.1	39.2	42.7	26.6	34.6	60	13	21	24	26	70	56	62	.113	.128	.144	1.07	.75	2.9	3.4	3.8	3.5
December	25.851	26.110	25.629	19.8	25.5	25.4	28.3	16.7	22.5	36	6	16	19	21	85	75	82	.090	.100	.110	.54	.27	4.7	4.6	5.1	4.9
Year	25.638	26.200	25.010	45.1	56.6	57.0	60.5	41.8	51.2	100	−4	31	32	32	62	45	46	.194	.196	.194	15.73	1.07	4.2	4.2	4.9	4.5

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	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	29.448	29.900	29.015	38.4	47.6	47.7	52.3	34.2	43.2	73	11	33	36	37	80	68	68	0.214	0.248	0.244	1.25	0.41	7.1	6.8	6.1	7.0
February	29.301	29.650	28.790	53.3	65.6	68.1	71.7	51.5	61.6	86	37	48	49	50	82	59	54	.349	.370	.382	.94	.36	6.2	5.3	3.5	5.3
March	29.269	29.820	28.707	51.3	62.9	64.1	68.8	48.9	58.8	91	33	43	42	43	74	52	50	.300	.307	.306	1.76	.64	6.2	6.4	5.6	6.0
April	29.243	29.510	28.978	63.0	77.6	78.7	82.9	61.5	72.2	93	50	57	54	57	81	49	52	.466	.439	.485	2.20	1.08	6.0	4.6	4.2	5.4
May	29.200	29.570	28.761	69.3	79.3	78.4	82.7	67.2	75.0	91	58	64	62	64	82	59	63	.598	.580	.610	.89	.19	7.6	6.9	7.0	7.4
June	29.215	29.410	29.020	72.1	84.3	85.5	88.4	70.8	79.6	98	60	66	66	66	81	56	55	.636	.638	.646	4.03	2.78	6.3	5.3	4.1	5.3
July	29.277	29.440	29.090	74.1	88.4	90.1	95.0	73.5	84.2	99	69	68	66	65	82	48	46	.691	.635	.624	1.99	1.75	3.5	3.6	3.5	4.2
August	29.255	29.410	29.056	74.3	90.2	93.2	97.7	74.0	85.8	103	70	70	66	64	86	45	40	.729	.634	.606	.41	.41	3.1	3.2	3.2	3.4
September	29.209	29.430	28.978	71.2	85.4	87.0	91.6	69.8	80.7	100	58	66	64	62	82	50	46	.643	.605	.570	1.74	1.00	4.8	3.4	2.6	4.1
October	29.280	29.810	28.960	63.3	73.4	72.9	78.0	61.5	69.8	90	47	57	58	58	81	62	63	.498	.516	.506	4.01	1.05	5.7	5.3	5.0	6.2
November	29.391	29.800	28.882	54.5	63.3	62.8	67.4	52.0	59.7	82	38	45	47	48	73	60	62	.330	.358	.361	2.69	.79	6.2	6.5	6.1	6.7
December	29.431	29.710	29.060	44.5	54.3	54.9	59.6	42.3	51.0	73	29	38	40	40	78	59	58	.239	.259	.257	.88	.47	4.4	6.3	6.3	5.3
Year	29.293	29.900	28.707	60.8	72.7	73.6	78.0	58.9	68.5	103	11	55	54	54	80	56	55	.474	.466	.467	22.79	2.78	5.6	5.3	4.8	5.5

Annual meteorological summary for the year ending December 31, 1930—Continued

ST. LOUIS, MO.

[H_b=568 ft.; h_t=265 ft.; h_r=258 ft.; h_a=363 ft.]

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 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 temperature: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorm	Aurora
	Miles		*Mi.*																									
January	10.3	NW.	44	SW.	2	10	3	2	5	8	8	13	12	1	13	3	15	12	12	9	6	0	5	16	0	26	1	0
February	12.3	SW.	35	SW.	2	5	2	4	4	15	14	5	7	0	9	9	10	4	4	3	2	0	1	1	0	10	1	0
March	13.4	NW.	46	W.	2	8	5	4	3	6	7	12	17	0	15	9	7	5	5	2	1	0	1	1	0	10	0	0
April	11.0	S.	36	SW.	1	7	7	5	5	16	8	7	5	0	12	14	4	6	5	0	0	0	0	0	2	0	3	0
May	12.3	S.	50	SW.	3	6	5	4	2	20	12	4	9	0	15	10	6	8	7	0	0	0	1	0	0	0	4	0
June	10.8	S.	41	SW.	2	12	3	1	3	17	8	5	11	0	14	11	5	8	6	0	0	0	0	0	6	0	4	0
July	8.9	W.	27	SW.	0	10	2	6	0	6	15	13	9	1	19	12	0	3	1	0	0	0	0	0	22	0	3	0
August	7.8	S.	24	SW.	0	6	4	13	6	11	7	9	4	2	16	8	7	6	4	0	0	0	0	0	14	0	5	0
September	9.8	SW.	54	NW.	1	6	10	5	1	17	11	5	5	0	16	4	10	8	7	0	0	0	1	0	3	0	5	0
October	9.6	S.	31	S.	0	8	2	3	8	17	2	13	9	0	18	4	9	6	4	2	0	0	0	0	0	2	2	0
November	12.4	S.	40	SW.	5	5	1	4	4	23	8	7	8	0	13	11	6	8	5	4	2	0	3	2	0	10	0	0
December	10.8	NW.	28	SW.	0	3	8	2	1	10	10	7	21	0	13	5	13	3	3	5	1	0	0	3	0	19	0	0
Year	10.8	S.	54	NW.	18	86	52	53	42	166	110	100	117	4	173	100	92	77	63	25	12	0	12	23	47	77	28	0

ST. PAUL, MINN.

[H_b=837 ft.; h_t=236 ft.; h_r=228 ft.; h_a=261 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	9.8	SW.	29	NW.	0	2	0	0	4	1	11	6	7	0	9	11	11	11	4	17	11	0	0	26	0	31	0	0
February	10.4	SE.	45	SW.	3	0	0	2	11	1	8	1	5	0	4	7	17	12	6	13	9	0	2	11	0	24	2	0
March	12.6	NW.	35	NW.	1	2	0	2	6	2	4	3	12	0	11	10	10	7	4	12	5	0	0	5	0	28	2	1
April	11.7	SE.	39	NW.	4	4	1	7	9	0	2	2	5	0	14	7	9	5	5	1	0	0	0	0	0	7	0	1
May	12.4	SE.	42	SW.	5	2	2	3	8	5	3	1	7	0	8	9	14	11	8	0	0	0	0	0	0	1	7	5
June	10.3	SW.	41	SW.	4	2	1	1	7	3	8	3	5	0	12	10	8	15	11	0	0	1	0	0	0	0	10	0
July	8.7	SE.	48	NW.	4	3	0	3	10	5	5	3	2	0	13	13	5	6	5	0	0	0	1	0	10	0	8	0
August	7.6	SE.	32	W.	0	2	2	8	4	5	7	2	1	0	10	14	7	6	4	0	0	0	1	0	9	0	7	1
September	10.8	SE.	47	NW.	5	2	0	4	6	4	4	5	5	0	13	10	7	9	7	0	0	1	2	0	0	0	6	1
October	11.8	SE.	37	W.	2	0	1	1	13	4	0	4	8	0	5	9	17	9	6	5	3	0	0	3	0	12	0	0
November	12.1	NW.	42	SW.	4	1	0	1	10	6	5	2	5	0	11	7	12	10	8	8	5	0	1	8	0	20	0	0
December	9.2	NW.	35	NW.	1	1	0	3	2	4	3	7	11	0	8	5	18	7	2	13	7	0	0	23	0	30	0	0
Year	10.6	SE.	48	NW.	33	21	7	35	90	40	60	39	73	0	118	112	135	108	70	69	40	2	7	76	19	153	42	9

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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	5.6	S.	36	S.	2	4	1	4	7	17	4	8	17	0	8	5	18	11	9	17	11	0	1	16	0	30	0	0
February	5.3	S.	29	SE.	0	3	1	3	8	16	4	6	15	0	6	9	13	7	7	10	6	0	0	0	0	16	1	0
March	6.6	NW.	33	W.	2	5	5	8	9	12	2	7	14	0	11	13	7	10	4	6	2	0	0	0	0	10	2	0
April	6.7	S.	33	W.	2	4	4	5	10	12	4	3	17	1	8	15	7	12	7	2	0	0	0	0	0	0	4	0
May	7.7	S.	38	NW.	2	8	7	4	15	10	3	5	10	0	7	15	9	8	7	6	2	0	0	0	0	0	2	0
June	6.9	NW.	32	NW.	0	9	1	3	9	12	0	2	23	1	21	7	2	3	2	0	0	0	0	0	5	0	2	0
July	6.8	S.	32	SW.	0	6	7	7	6	16	2	4	13	1	19	11	1	5	3	0	0	0	0	0	21	0	9	0
August	6.4	S.	32	N.	0	6	7	10	10	9	2	6	12	0	11	15	5	11	8	0	0	0	0	0	3	0	13	0
September	6.6	S.	47	SW.	2	2	3	7	16	14	1	1	16	0	15	7	8	10	5	0	0	1	0	0	0	0	7	0
October	5.6	NW.	26	NW.	0	2	3	9	11	5	0	6	24	2	17	9	5	9	7	1	0	0	0	0	0	1	2	0
November	5.2	S.	37	S.	1	6	2	6	11	10	3	7	11	4	16	7	7	6	5	8	6	0	2	11	0	18	0	0
December	3.6	NW.	18	W.	0	3	1	1	12	13	5	9	18	0	13	7	11	5	4	8	5	0	3	22	0	31	0	0
Year	6.1	S.	47	SW.	11	58	42	67	124	146	30	64	190	9	152	120	93	97	68	58	32	1	6	49	29	106	42	0

SAN ANTONIO, TEX.

[H_b=693 ft.; h_t=242 ft.; h_r=235 ft.; h_a=301 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	6.2	NE.	26	N.	0	17	25	4	6	6	2	0	2	0	8	6	17	12	8	1	0	0	4	2	0	12	1	0
February	6.2	SE.	30	NW.	0	4	11	8	14	6	3	1	9	0	8	11	9	5	5	0	0	0	4	0	0	0	1	0
March	6.5	NE.	26	NE.	0	6	15	4	13	9	6	4	4	1	9	6	16	7	6	0	0	0	2	0	1	0	2	0
April	6.4	SE.	29	E.	0	4	8	7	30	2	3	1	4	1	10	9	11	6	4	0	0	0	2	0	3	0	4	0
May	6.9	SE.	26	SE.	0	4	12	15	26	2	2	0	1	0	4	11	16	15	7	0	0	2	1	0	1	0	5	0
June	6.4	SE.	20	SE.	0	1	9	8	27	10	2	1	2	0	8	14	8	7	7	0	0	0	0	0	14	0	3	0
July	9.3	SE.	41	SE.	3	3	3	14	30	6	0	1	1	4	11	18	2	3	2	0	0	0	1	0	30	0	3	0
August	8.8	SE.	34	SE.	1	1	4	18	24	6	3	2	3	1	16	13	2	1	1	0	0	0	0	0	29	0	3	0
September	9.8	SE.	36	E.	3	4	18	12	21	4	0	0	0	1	11	15	4	5	5	0	0	0	0	0	24	0	4	0
October	11.0	E.	35	SW.	1	6	14	25	7	7	0	1	1	1	9	7	15	10	9	0	0	0	0	0	2	0	1	0
November	9.7	NE.	34	NW.	1	8	15	9	10	1	6	5	5	1	7	8	15	12	9	0	0	0	2	0	0	0	0	0
December	8.8	N.	30	NW.	0	19	9	10	8	5	3	2	6	0	10	13	8	8	5	0	0	0	4	0	0	1	0	0
Year	8.0	SE.	41	SE.	9	77	143	134	216	64	30	18	38	10	111	131	123	91	68	1	0	2	20	2	104	13	27	0

Annual meteorological summary for the year ending December 31, 1930—Continued

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	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	29.935	30.190	29.660	51.5	60.4	58.3	62.2	49.5	55.8	72	41	43	45	47	74	61	70	0.284	0.315	0.336	3.90	0.93	5.9	6.7	7.3	7.0
February	29.962	30.170	29.750	52.8	62.9	61.1	65.2	50.6	57.9	84	44	47	48	49	84	61	68	.332	.336	.355	.66	.46	5.4	5.0	5.1	5.1
March	29.874	30.110	29.520	54.2	64.5	62.6	67.0	52.3	59.6	82	43	47	48	50	78	58	66	.332	.342	.369	3.02	2.04	5.7	5.2	4.9	5.5
April	29.882	30.080	29.685	57.2	65.6	64.2	67.8	56.1	62.0	79	51	53	56	55	86	70	73	.404	.442	.435	1.06	.88	7.2	4.3	5.5	5.6
May	29.871	30.000	29.684	55.8	63.0	62.8	65.5	54.6	60.0	70	47	51	53	53	85	71	71	.378	.407	.409	1.81	1.09	7.0	4.1	4.0	4.7
June	29.805	29.950	29.631	60.6	67.0	66.6	69.3	59.9	64.6	80	57	57	57	58	87	72	73	.460	.473	.474	.02	.02	8.8	4.3	4.0	5.2
July	29.814	29.960	29.651	64.7	72.6	71.9	75.7	63.6	69.6	100	59	61	61	61	87	68	69	.531	.541	.538	T.	T.	8.6	3.2	3.3	4.1
August	29.839	30.000	29.716	66.3	72.9	72.2	75.3	65.3	70.3	85	61	62	63	62	88	71	72	.564	.573	.563	T.	T.	8.2	3.1	3.9	4.6
September	29.842	30.000	29.680	63.1	70.1	68.9	71.9	61.9	66.9	79	56	58	60	60	84	70	73	.485	.516	.514	T.	T.	7.6	3.4	4.2	4.8
October	29.806	29.990	29.600	58.8	70.6	68.7	72.0	57.0	64.8	89	52	50	54	55	76	60	65	.373	.428	.445	.22	.22	3.8	2.1	2.5	2.8
November	29.918	30.170	29.660	57.3	69.1	66.4	71.7	54.3	63.0	92	42	41	46	49	60	48	57	.275	.330	.359	1.04	.29	2.9	2.7	2.7	2.4
December	29.983	30.190	29.818	50.0	65.4	61.8	67.0	47.2	57.1	76	41	33	40	47	54	42	62	.195	.261	.340	0	0	2.4	2.2	2.6	2.5
Year	29.878	30.190	29.520	57.7	67.0	65.5	69.3	56.0	62.6	100	41	50	53	54	79	63	68	.384	.414	.428	11.73	2.04	6.1	3.9	4.2	4.5

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	29.493	30.000	28.840	22.2	28.6	----	32.8	18.0	25.4	58	−9	19	22	---	88	75	---	0.123	0.132	----	5.41	1.50	6.9	7.5	----	7.3
February	29.343	29.740	28.890	33.7	40.5	----	44.8	29.1	37.0	70	5	28	30	---	81	66	---	.166	.181	----	1.81	.71	8.3	7.0	----	7.2
March	29.145	29.890	28.440	32.3	40.0	----	43.7	28.3	36.0	71	14	27	27	---	78	60	---	.146	.151	----	3.71	1.55	6.2	5.4	----	5.7
April	29.352	29.710	28.680	45.7	53.8	----	57.3	39.3	48.3	84	28	37	38	---	72	58	---	.229	.246	----	2.70	.99	5.7	6.8	----	6.2
May	29.339	29.750	28.960	60.4	67.2	----	71.0	52.7	61.8	88	42	50	48	---	70	54	---	.370	.351	----	2.79	.67	5.1	6.1	----	5.9
June	29.284	29.637	28.970	68.3	78.1	----	82.1	59.9	71.0	91	44	56	56	---	68	50	---	.467	.463	----	2.94	1.53	4.2	5.6	----	5.5
July	29.307	29.582	28.940	73.1	81.3	----	85.8	64.5	75.2	102	51	59	58	---	62	48	---	.504	.504	----	1.34	.60	4.8	4.3	----	4.3
August	29.365	29.650	29.140	69.8	78.6	----	81.6	64.0	72.8	99	51	57	58	---	65	51	---	.474	.486	----	1.16	.48	5.3	5.5	----	5.7
September	29.330	29.630	28.840	64.1	73.4	----	77.0	58.2	67.6	89	42	55	54	---	74	55	---	.461	.462	----	3.88	2.43	3.3	5.2	----	4.6
October	29.431	29.803	29.010	46.2	56.4	----	59.6	43.0	51.3	79	26	41	42	---	81	60	---	.279	.304	----	1.07	.31	5.8	5.9	----	5.7
November	29.437	30.030	28.780	38.0	47.9	----	50.9	34.5	42.7	72	5	33	36	---	84	64	---	.212	.233	----	1.45	.97	5.5	6.1	----	5.9
December	29.380	30.020	28.900	28.6	33.6	----	36.3	25.7	31.0	52	8	25	26	---	84	71	---	.138	.143	----	.84	.25	8.4	7.6	----	8.0
Year	29.350	30.030	28.440	48.5	56.6	----	60.2	43.1	51.7	102	−9	41	41	---	76	59	---	.298	.305	----	29.10	2.43	5.8	6.1	----	6.0

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	30.210	30.780	29.690	31.1	34.5	33.7	38.6	27.3	33.0	59	11	25	27	27	78	72	76	0.155	0.161	0.160	2.81	1.05	6.2	6.7	4.5	7.1
February	30.058	30.600	29.460	31.6	37.5	36.7	42.5	29.0	35.8	68	9	26	28	29	78	67	73	.150	.164	.172	3.63	1.68	4.0	5.6	3.8	5.4
March	29.763	30.480	28.950	36.3	42.2	40.4	46.0	32.8	39.4	58	19	28	28	30	71	59	67	.161	.163	.173	1.68	.73	4.9	4.9	3.5	5.1
April	29.996	30.510	29.090	44.1	50.1	47.1	53.1	40.7	46.9	70	32	35	35	37	70	59	69	.211	.216	.224	2.08	1.03	5.4	6.2	4.3	6.1
May	29.938	30.367	29.590	59.0	66.9	61.9	70.5	53.5	62.0	89	47	48	49	49	69	55	64	.349	.354	.356	1.83	.67	6.0	4.9	4.9	5.3
June	29.936	30.312	29.490	68.3	75.0	70.0	78.4	63.5	71.0	91	51	60	61	62	78	65	78	.537	.552	.563	3.32	1.38	4.0	5.2	4.1	5.1
July	29.879	30.150	29.600	71.9	78.6	74.1	82.2	67.1	74.6	96	60	64	64	66	77	62	76	.605	.600	.639	3.94	1.32	5.1	4.4	5.4	4.6
August	29.963	30.288	29.570	69.6	76.2	72.8	79.0	66.2	72.6	94	57	62	60	63	77	60	73	.566	.540	.589	2.94	2.08	4.8	3.9	4.3	4.6
September	29.962	30.320	29.620	68.5	74.6	70.7	77.0	65.5	71.2	86	54	61	59	61	78	60	73	.559	.527	.559	3.33	2.29	5.6	3.4	3.6	5.4
October	30.027	30.373	29.540	52.1	58.3	56.2	61.2	49.5	55.4	74	38	43	42	45	73	58	69	.299	.289	.322	1.89	1.06	3.9	4.4	3.4	4.9
November	30.142	30.790	29.200	43.1	47.6	46.2	50.2	39.9	45.0	63	17	37	37	38	80	69	74	.240	.242	.250	4.10	1.25	5.5	6.6	4.4	5.8
December	30.015	30.595	29.470	33.2	36.3	35.9	39.3	30.5	34.9	55	13	28	28	28	79	70	72	.156	.154	.158	2.09	1.33	5.2	6.6	5.5	6.7
Year	29.991	30.790	28.950	50.7	56.5	53.8	59.8	47.1	53.5	96	9	43	43	45	76	63	72	.332	.330	.347	33.64	2.29	5.0	5.2	4.3	5.5

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	29.865	30.190	29.480	46.9	51.1	52.2	54.4	44.9	49.6	67	37	42	42	43	84	72	72	0.273	0.274	0.285	4.99	1.28	5.6	6.9	7.8	6.7
February	29.922	30.160	29.437	51.7	59.0	60.4	63.4	49.6	56.5	78	43	48	47	48	87	66	65	.333	.326	.337	2.94	1.13	4.5	4.3	4.8	4.6
March	29.812	30.170	29.200	52.3	60.2	60.3	64.3	50.6	57.4	82	44	46	46	47	82	63	64	.317	.315	.324	3.53	1.68	4.1	3.6	3.9	3.9
April	29.855	30.100	29.490	54.4	63.2	60.9	66.0	52.5	59.2	76	47	49	51	50	82	65	67	.347	.375	.357	1.56	1.16	4.9	4.3	5.9	4.4
May	29.823	30.100	29.470	51.3	59.5	58.2	62.1	50.1	56.1	77	46	46	47	47	82	64	67	.309	.322	.325	.16	.14	5.0	3.5	3.5	3.7
June	29.751	29.950	29.500	53.7	64.1	61.7	67.4	52.4	59.9	79	50	49	51	50	85	64	67	.347	.413	.365	T.	T.	5.1	2.1	1.8	2.4
July	29.794	29.970	29.630	53.6	62.1	61.4	65.1	52.2	58.6	84	50	50	51	50	88	68	68	.358	.373	.367	0	0	7.5	3.5	2.4	4.5
August	29.813	29.960	29.660	56.2	65.3	64.3	67.9	55.1	61.5	77	52	54	55	55	92	70	73	.411	.428	.435	0	0	6.9	3.1	1.8	3.9
September	29.790	29.990	29.610	58.5	65.6	64.5	67.8	57.0	62.4	75	54	55	55	55	87	70	72	.428	.435	.434	.10	.08	6.4	5.2	4.1	5.8
October	29.801	30.070	29.516	56.3	68.6	65.8	71.6	54.7	63.2	92	52	51	48	49	84	51	57	.379	.344	.349	.89	.88	3.5	2.2	2.2	3.0
November	29.908	30.240	29.510	53.1	60.5	60.7	65.3	50.7	58.0	79	45	45	42	43	77	56	58	.308	.279	.291	1.56	1.04	3.6	3.6	4.1	4.4
December	30.002	30.270	29.750	48.1	54.1	55.5	57.8	46.4	52.1	63	39	41	39	40	78	59	57	.262	.247	.253	.98	*1.32	3.7	5.0	4.4	4.5
Year	29.845	30.270	29.200	53.0	61.1	60.5	64.4	51.4	57.9	92	37	48	48	48	84	64	66	.339	.345	.344	16.71	1.68	5.1	3.9	3.8	4.3

*Dec. 31, 1930-Jan. 1, 1931.

Annual meteorological summary for the year ending December 31, 1930—Continued

SAN DIEGO, CALIF.

[H_b=87 ft.; h_t=62 ft.; h_r=55 ft.; h_a=70 ft.]

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorm	Aurora
	Miles		*Mi.*																									
January	5.2	NW.	28	S	0	2	4	12	8	4	6	10	16	0	5	7	19	13	11	0	0	1	0	0	0	0	1	0
February	4.9	NW.	19	S	0	9	7	3	3	2	4	7	20	1	8	13	7	4	4	0	0	0	3	0	0	0	0	0
March	5.7	W.	32	S	0	5	6	8	2	9	7	13	12	0	11	8	12	10	7	0	0	0	1	0	0	0	1	0
April	5.9	W.	28	S.	0	6	8	2	2	6	7	17	12	0	7	16	7	5	2	0	0	0	0	0	0	0	0	0
May	6.6	W.	25	SW.	0	3	0	11	2	7	8	23	7	1	12	9	10	8	5	0	0	1	2	0	0	0	0	0
June	5.7	SW.	16	W.	0	6	3	1	0	8	16	14	12	0	13	7	10	1	0	0	0	0	0	0	0	0	0	0
July	5.3	W.	17	S.	0	9	3	2	2	3	11	20	11	1	15	13	3	0	0	0	0	0	0	0	0	2	0	0
August	5.1	W.	17	NW.	0	3	0	2	2	7	16	18	14	0	13	12	6	0	0	0	0	0	2	0	0	0	0	0
September	5.4	W.	17	NW.	0	2	5	5	3	4	4	19	18	0	9	17	4	0	0	0	0	0	0	0	0	0	0	0
October	4.7	NW.	18	NW.	0	5	3	9	2	6	4	14	17	2	21	5	5	1	1	0	0	0	4	0	0	0	0	0
November	5.2	NW.	28	W.	0	6	7	8	3	1	4	12	19	0	21	5	4	8	7	0	0	0	2	0	1	0	1	0
December	3.5	NW.	15	S.	0	3	9	11	1	1	5	6	23	3	22	5	4	0	0	0	0	0	3	0	0	0	0	0
Year	5.3	NW.	32	S.	0	59	55	74	30	58	92	173	181	8	157	117	91	50	37	0	0	2	17	0	3	0	5	0

SANDUSKY, OHIO

[H_b=629 ft.; h_t=5 ft.; h_r=3 ft.; h_a=67 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	8.6	SW.	29	NW.	0	3	2	2	0	3	14	3	4	0	4	7	20	18	12	14	10	0	1	18	0	25	0	0
February	8.8	SW.	27	W.	0	0	1	2	1	8	9	3	4	0	5	6	17	15	8	12	8	0	1	4	0	19	1	0
March	10.1	SW.	30	W.	0	1	5	2	0	5	14	3	1	0	10	10	11	14	10	14	11	0	0	3	0	25	0	0
April	8.9	NE.	32	NW.	0	1	5	2	4	8	3	5	2	0	6	10	14	11	8	3	1	0	0	0	0	3	2	0
May	7.9	S.	29	SW.	0	3	1	4	1	9	8	1	4	0	6	16	9	14	10	0	0	1	0	0	0	0	5	0
June	7.3	SW.	24	SW.	0	1	0	1	0	9	14	3	2	0	6	16	8	7	7	0	0	1	0	0	6	0	7	1
July	6.2	SW.	27	W.	0	3	4	2	1	8	10	2	1	0	10	17	4	5	4	0	0	0	0	0	12	0	5	0
August	5.7	NE.	23	W.	0	4	3	3	1	8	8	2	2	0	6	16	9	7	5	0	0	0	0	0	7	0	4	0
September	6.8	SW.	26	SW.	0	3	3	1	2	9	11	1	0	0	11	12	7	8	5	0	0	0	0	0	0	0	4	0
October	6.5	E.	22	W.	0	2	0	1	6	7	7	4	1	3	8	15	8	8	5	3	0	0	4	0	0	7	1	1
November	8.6	SW.	28	W.	0	0	0	2	2	8	12	3	2	1	8	11	11	9	6	7	4	0	0	3	0	11	0	0
December	8.2	SW.	27	NW.	0	2	0	1	2	4	13	7	2	0	3	7	21	16	8	17	9	0	1	9	0	22	0	0
Year	7.8	SW.	32	NW.	0	23	24	23	20	86	123	37	25	4	83	143	139	132	88	70	43	2	7	37	25	112	29	2

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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	12.9	NW.	40	NW.	7	9	10	2	2	11	7	13	8	0	7	5	19	11	9	6	3	0	6	11	0	20	0	0
February	13.1	W.	48	NW.	5	8	7	1	3	8	10	9	10	0	8	11	9	12	10	8	6	0	6	3	0	18	1	0
March	16.0	NW.	44	NE.	14	1	2	4	2	10	14	11	18	0	11	11	9	10	7	4	1	0	3	1	0	10	0	0
April	13.6	NW.	46	SW.	6	2	7	7	4	8	7	7	18	0	6	12	12	11	10	0	0	0	2	0	0	1	2	0
May	12.9	W.	35	S.	3	3	3	8	3	6	6	16	17	0	11	11	9	8	6	0	0	0	0	0	0	0	5	0
June	10.9	SW.	37	SW.	3	1	1	6	5	15	15	9	8	0	8	14	8	12	7	0	0	0	5	0	2	0	6	0
July	9.9	W.	44	NW.	3	10	5	2	1	7	16	12	9	0	10	11	10	9	8	0	0	0	1	0	5	0	10	0
August	10.7	SW.	56	NE.	1	10	6	6	0	15	16	2	7	0	14	10	7	5	4	0	0	0	2	0	4	0	3	0
September	10.0	SW.	32	W.	0	6	6	4	3	8	20	11	2	0	7	17	6	8	7	0	0	0	0	0	0	0	2	0
October	12.9	NE.	44	N.	6	10	16	3	0	7	13	1	12	0	12	10	9	6	5	0	0	0	1	0	0	0	2	0
November	14.1	SW.	58	NE.	7	3	10	8	2	5	13	9	10	0	8	10	12	11	8	1	0	0	5	1	0	7	1	1
December	15.1	W.	42	NE.	9	6	9	4	1	0	8	17	17	0	9	4	18	12	8	7	4	0	1	3	0	17	0	0
Year	12.7	SW.	58	NE.	64	69	82	55	26	100	145	117	136	0	111	126	128	115	89	26	14	0	32	19	11	73	32	1

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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	5.6	N.	26	NW.	0	14	9	3	6	5	1	8	16	0	5	10	16	14	13	0	0	1	0	0	0	0	0	0
February	5.1	W.	28	N.	0	6	3	3	8	3	3	19	7	4	11	12	5	8	8	0	0	4	4	0	0	0	4	0
March	6.6	W.	26	SE.	0	7	4	0	8	9	5	26	2	1	13	13	5	6	6	0	0	0	0	0	0	0	1	0
April	7.1	W.	27	W.	0	1	2	0	3	7	4	36	6	1	10	17	3	8	5	0	0	1	0	0	0	0	1	0
May	8.9	W.	32	W.	0	1	1	0	1	4	5	43	6	1	15	14	2	2	1	0	0	0	0	0	0	0	0	0
June	7.2	SW.	26	NW.	0	0	0	0	1	7	19	29	2	2	23	5	2	0	0	0	0	0	0	0	0	0	0	0
July	7.6	SW.	25	NW.	0	0	0	0	0	2	42	18	0	0	12	14	5	0	0	0	0	0	0	0	0	0	0	0
August	8.1	SW.	26	W.	0	0	0	0	1	3	20	38	0	0	13	14	4	0	0	0	0	0	0	0	0	0	1	0
September	6.6	W.	24	W.	0	0	0	1	2	4	20	30	2	1	8	15	7	3	1	0	0	0	0	0	0	0	0	0
October	5.0	W.	25	NW.	0	5	7	1	2	6	8	25	6	2	21	8	2	3	2	0	0	0	0	0	1	0	0	0
November	4.9	N.	25	S.	0	11	8	0	4	5	5	17	7	3	12	11	7	8	6	0	0	0	4	0	0	0	0	0
December	5.0	N.	32	SW.	0	19	8	4	5	4	2	8	12	0	13	11	7	3	2	0	0	0	2	0	0	0	0	0
Year	6.5	W.	32	W.	0	64	42	12	41	59	134	297	66	15	156	144	65	55	44	0	0	6	10	0	1	0	7	0

Annual meteorological summary for the year ending December 31, 1930—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	29.896	30.240	29.520	...	53.1	53.4	56.3	40.0	48.2	66	27	...	42	42	...	67	68	...	0.271	0.279	3.49	0.94	...	7.1	7.1	6.8
February	29.953	30.180	29.550	...	60.2	61.9	65.2	42.8	54.0	81	33	...	45	46	...	61	58	...	.308	.313	1.86	.51	...	4.9	4.1	5.2
March	29.836	30.220	29.230	...	62.4	64.4	67.1	44.2	55.6	84	33	...	44	47	...	52	55	...	.285	.323	2.93	1.44	...	4.1	3.5	4.5
April	29.879	30.130	29.540	...	66.7	67.1	70.9	47.2	59.0	81	38	...	47	49	...	50	52	...	.322	.350	.76	.58	...	4.2	4.3	4.9
May	29.864	30.140	29.513	...	65.3	64.2	68.6	46.5	57.6	84	38	...	44	45	...	48	51	...	.294	.306	1.01	.70	...	4.3	3.7	4.5
June	29.778	30.000	29.545	...	74.5	73.8	78.7	50.6	64.6	92	44	...	51	52	...	45	47	...	.377	.385	T.	T.	...	1.0	.4	1.7
July	29.822	30.010	29.674	...	75.4	74.5	79.0	52.6	65.8	93	47	...	53	54	...	47	50	...	.403	.414	0	0	...	1.0	1.2	2.3
August	29.860	30.010	29.687	...	74.1	74.1	78.5	53.5	66.0	87	48	...	55	55	...	52	53	...	.434	.438	.01	.01	...	.6	.4	2.1
September	29.828	30.040	29.652	...	70.2	70.5	74.2	53.2	63.7	82	44	...	52	53	...	54	55	...	.394	.410	.05	.04	...	3.3	2.8	4.1
October	29.831	30.100	29.540	...	69.9	70.0	74.9	47.0	61.0	95	39	...	47	49	...	47	49	...	.331	.349	.23	.20	...	1.6	1.2	2.3
November	29.937	30.250	29.560	...	62.7	61.4	66.4	40.9	53.6	83	33	...	41	43	...	49	56	...	.267	.292	.73	.23	...	3.5	3.7	4.1
December	30.028	30.270	29.830	...	56.4	55.5	60.3	35.7	48.0	69	24	...	36	38	...	48	54	...	.220	.238	.49	.47	...	3.6	3.8	3.7
Year	29.876	30.270	29.230	...	65.9	65.9	70.0	46.2	58.1	95	24	...	46	48	...	52	54	...	.326	.341	11.56	1.44	...	3.3	3.0	3.8

SAN JUAN, P. R.

[ϕ=18° 29′ N.; λ=66° 7′ 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	29.960	30.100	29.790	74.1	78.1	...	79.1	69.3	74.2	82	66	68	70	...	81	76	...	0.679	0.729	...	6.14	2.33	5.0	4.5	...	5.2
February	29.921	30.030	29.810	72.8	78.7	...	80.3	68.8	74.6	87	66	67	68	...	82	71	...	.664	.694	...	2.36	.70	4.6	5.2	...	5.0
March	29.990	30.070	29.740	75.9	79.4	...	81.8	69.9	75.8	88	65	68	69	...	79	71	...	.698	.707	...	1.75	.94	3.9	4.4	...	4.5
April	29.910	30.039	29.740	78.3	80.6	...	82.6	71.6	77.1	90	68	70	71	...	78	73	...	.746	.757	...	1.62	.34	5.2	5.0	...	5.3
May	29.924	30.080	29.790	80.9	82.9	...	85.1	74.2	79.6	90	72	72	72	...	75	70	...	.792	.781	...	3.00	1.29	5.5	5.8	...	5.9
June	29.925	30.020	29.790	81.4	82.7	...	84.5	75.0	79.8	89	72	73	73	...	74	73	...	.800	.815	...	2.38	.93	5.7	5.7	...	5.8
July	29.944	30.070	29.830	82.2	83.4	...	84.9	75.8	80.4	90	72	74	74	...	75	75	...	.825	.850	...	2.52	.40	4.7	4.3	...	4.9
August	29.914	30.026	29.760	82.9	84.0	...	86.0	76.2	81.1	93	72	75	75	...	77	75	...	.863	.871	...	3.51	1.07	3.8	3.8	...	4.4
September	29.879	29.980	29.700	81.9	83.6	...	85.2	76.0	80.6	87	74	74	75	...	78	76	...	.851	.871	...	5.70	1.70	5.0	5.0	...	5.9
October	29.837	29.960	29.710	81.0	84.4	...	86.5	74.8	80.6	93	73	74	74	...	79	73	...	.837	.850	...	4.08	1.18	4.1	4.5	...	5.0
November	29.842	29.980	29.720	79.3	82.4	...	84.2	74.3	79.2	91	70	73	73	...	82	74	...	.812	.824	...	5.35	2.09	5.3	5.1	...	5.8
December	29.878	30.029	29.720	76.5	80.8	...	82.3	72.1	77.2	84	71	72	73	...	85	78	...	.773	.820	...	5.36	1.20	3.6	3.7	...	4.3
Year	29.903	30.100	29.700	78.9	81.8	...	83.5	73.2	78.4	93	65	72	72	...	79	74	...	.778	.797	...	43.77	2.33	4.7	4.8	...	5.2

SANTA FE, N. MEX.

[ϕ=35° 41′ N.; λ=105° 57′ 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	23.159	23.560	22.790	20.9	30.0	27.8	35.1	16.0	25.6	44	−2	13	16	15	71	55	57	0.083	0.090	0.086	0.46	0.12	4.5	4.9	3.5	4.5
February	23.226	23.460	22.940	29.7	44.4	44.2	50.2	27.1	38.6	61	13	20	22	20	64	41	38	.104	.114	.106	.49	.35	2.2	2.6	3.0	2.8
March	23.143	23.420	22.870	28.1	43.0	44.8	48.5	25.8	37.2	61	11	18	18	16	66	38	35	.100	.101	.093	.68	.50	4.6	4.4	3.9	4.4
April	23.241	23.550	22.970	40.9	60.6	60.9	65.5	39.3	52.4	75	25	26	25	22	57	26	26	.145	.133	.124	.81	.73	3.2	4.0	4.5	3.8
May	23.204	23.510	22.900	43.8	59.9	61.2	64.9	39.8	52.4	80	29	28	26	22	54	30	25	.154	.148	.126	.41	.19	4.1	4.4	5.3	4.6
June	23.284	23.510	23.020	56.5	76.1	77.1	81.3	52.9	67.1	90	34	37	35	31	53	24	21	.226	.209	.182	.37	.34	1.4	2.8	4.3	2.9
July	23.404	23.600	23.242	59.8	75.2	73.1	79.2	57.5	68.4	87	54	50	48	48	70	42	45	.356	.348	.341	4.32	1.02	3.8	5.2	7.9	5.5
August	23.405	23.530	23.281	56.9	75.7	73.6	79.8	55.5	67.6	87	50	46	46	46	70	38	41	.319	.321	.315	1.99	.56	2.5	3.4	5.6	4.0
September	23.330	23.570	23.070	50.0	69.3	67.1	73.3	47.5	60.4	81	34	36	34	34	60	30	32	.220	.210	.203	1.89	.98	3.7	3.7	4.8	4.2
October	23.262	23.560	23.040	41.3	57.8	55.4	62.5	38.5	50.5	72	27	31	31	28	68	37	37	.182	.178	.161	.64	.39	3.4	3.0	1.9	2.8
November	23.270	23.618	22.771	28.0	42.4	38.7	47.2	25.6	36.4	65	11	20	21	22	70	46	52	.104	.113	.113	1.12	.77	3.5	4.4	4.1	3.9
December	23.265	23.530	22.960	20.0	33.5	29.3	39.0	16.5	27.8	50	5	8	12	14	59	39	50	.062	.073	.081	.06	.06	2.1	2.5	2.9	2.6
Year	23.266	23.618	22.771	39.7	55.7	54.4	60.5	36.8	48.7	90	−2	28	28	26	64	37	38	.171	.170	.161	13.24	1.02	3.2	3.8	4.3	3.8

SAULT STE. MARIE, MICH.

[ϕ=46° 30′ N.; λ=84° 21′ 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	29.402	30.084	28.640	8.1	13.2	12.7	19.4	3.9	11.6	40	−16	5	10	9	88	84	85	0.062	0.073	0.071	1.12	0.76	7.2	6.5	6.7	6.7
February	29.282	29.740	28.660	12.6	20.7	18.7	25.3	7.3	16.3	45	−25	10	16	15	91	82	86	.081	.100	.099	1.65	.47	6.6	6.2	6.8	5.9
March	29.129	29.920	28.400	18.2	26.5	25.1	30.8	15.7	23.2	43	0	15	20	20	87	73	80	.089	.109	.107	.93	.27	6.5	5.9	6.7	5.5
April	29.344	29.708	28.730	33.0	42.0	38.4	45.7	29.1	37.4	78	20	26	28	29	75	60	70	.142	.156	.161	1.54	1.09	5.5	5.6	4.9	4.6
May	29.283	29.770	28.613	49.6	56.9	53.3	61.4	42.2	51.8	83	29	41	41	42	75	59	66	.273	.276	.280	2.89	.99	5.3	4.6	5.2	3.8
June	29.184	29.500	28.720	57.2	66.8	62.6	70.7	51.0	60.8	84	41	50	53	51	79	63	68	.375	.409	.384	4.84	.97	6.4	6.2	6.1	5.3
July	29.266	29.580	28.990	60.5	69.9	64.8	72.9	52.9	62.9	91	44	54	55	54	81	60	70	.432	.440	.434	3.67	1.56	3.4	3.4	4.3	2.4
August	29.351	29.670	28.940	61.2	73.9	67.3	76.2	56.3	66.2	89	45	56	57	56	82	57	69	.446	.472	.460	.40	.12	2.3	3.5	4.2	2.8
September	29.227	29.640	28.480	53.8	61.8	57.8	65.0	48.6	56.8	83	38	49	49	49	84	63	73	.360	.359	.361	3.42	1.41	6.5	7.0	4.7	3.2
October	29.367	29.810	28.790	41.8	48.4	44.7	51.4	39.3	45.4	76	21	38	40	39	87	72	80	.250	.264	.256	2.88	.64	7.0	8.1	6.5	6.7
November	29.320	29.850	28.663	33.9	39.0	36.7	42.1	30.2	36.2	57	−3	30	31	32	85	74	82	.182	.190	.193	2.29	1.29	7.9	8.8	8.2	7.3
December	29.304	29.980	28.650	21.3	24.4	22.9	28.3	15.8	22.0	40	−8	19	21	20	90	85	89	.110	.116	.114	1.32	.41	7.9	7.7	6.9	7.3
Year	29.288	30.084	28.400	37.6	45.3	42.1	49.1	32.7	40.9	91	−25	33	35	35	84	69	76	.234	.247	.243	26.95	1.56	6.0	6.1	5.9	5.3

Annual meteorological summary for the year ending December 31, 1930—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 33 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorm	Aurora
	Miles		*Mi.*																									
January	4.9	NW.	25	SE.	0	6	1	0	6	3	0	3	12	0	4	11	16	15	11	0	0	1	2	0	0	3	1	0
February	5.0	SE.	35	SE.	1	0	2	0	4	0	2	1	19	0	11	7	10	7	6	0	0	1	4	0	0	0	1	0
March	5.5	NW.	29	S.	0	2	0	0	2	1	1	2	23	0	11	14	6	6	5	0	0	1	2	0	0	0	0	0
April	5.5	NW.	23	NW.	0	0	0	0	0	1	2	0	27	0	8	15	7	3	3	0	0	0	0	0	0	0	0	0
May	6.5	NW.	23	NW.	0	2	0	0	0	1	0	3	25	0	11	11	9	4	3	0	0	0	0	0	0	0	0	0
June	6.0	NW.	26	SW.	0	0	0	0	0	0	2	1	27	0	26	3	1	0	0	0	0	0	0	0	2	0	0	0
July	5.8	NW.	20	NW.	0	2	0	0	0	0	0	0	29	0	24	5	2	0	0	0	0	0	0	0	3	0	0	0
August	5.4	NW.	17	NW.	0	4	0	0	0	0	0	0	27	0	26	4	1	1	0	0	0	0	0	0	0	0	1	0
September	5.3	NW.	21	SW.	0	2	1	0	0	1	2	1	23	0	15	12	3	3	0	0	0	0	2	0	0	0	0	0
October	4.4	NW.	19	NW.	0	4	0	0	0	0	0	2	25	0	22	8	1	4	1	0	0	0	1	0	2	0	0	0
November	4.6	NW.	27	SE.	0	5	1	3	1	1	0	3	16	0	16	7	7	6	5	0	0	0	5	0	0	0	0	0
December	4.4	NW.	29	SE.	0	3	0	0	2	0	1	5	20	0	17	7	7	3	1	0	0	0	1	0	0	9	0	0
Year	5.3	NW.	35	SE.	1	30	5	3	15	8	10	21	273	0	191	104	70	52	35	0	0	3	17	0	7	12	3	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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	12.3	E.	38	E.	3	1	3	12	9	4	2	0	0	0	6	23	2	26	17	0	0	0	0	0	0	0	2	0
February	8.5	E.	25	E.	0	0	1	3	10	11	3	0	0	0	8	18	2	16	10	0	0	0	0	0	0	0	0	0
March	10.1	E.	37	E.	1	0	1	10	10	8	1	0	1	0	10	18	3	9	6	0	0	0	0	0	0	0	0	0
April	12.4	E.	32	E.	0	0	0	19	6	5	0	0	0	0	5	21	4	15	10	0	0	0	0	0	2	0	0	0
May	9.9	E.	30	E.	0	0	0	23	3	4	1	0	0	0	5	18	8	11	8	0	0	0	0	0	3	0	5	0
June	11.6	E.	29	E.	0	0	0	24	3	3	0	0	0	0	8	12	10	14	10	0	0	0	0	0	0	0	4	0
July	13.8	E.	36	S.	1	0	0	29	1	1	0	0	0	0	7	22	2	18	13	0	0	0	0	0	1	0	2	0
August	10.7	E.	44	E.	1	1	0	26	2	1	0	1	0	0	12	18	1	15	15	0	0	0	0	0	3	0	7	0
September	10.4	E.	42	E.	1	0	0	19	6	4	1	0	0	0	2	22	6	16	15	0	0	0	0	0	0	0	12	0
October	6.9	E.	25	E.	0	0	2	10	5	10	4	0	0	0	10	17	4	14	13	0	0	0	0	0	4	0	7	0
November	9.4	E.	36	NE.	2	1	2	9	7	7	4	0	0	0	2	22	6	20	15	0	0	0	0	0	1	0	3	0
December	9.0	E.	39	E.	1	1	0	8	7	11	4	0	0	0	13	17	1	21	15	0	0	0	0	0	0	0	0	0
Year	10.4	E.	44	E.	10	4	9	192	69	69	20	1	1	0	88	228	49	195	147	0	0	0	0	0	14	0	42	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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	5.1	N.	22	SW.	0	11	8	5	14	7	7	4	6	0	12	12	7	9	4	13	9	0	0	11	0	31	0	0
February	5.8	N.	19	N.	0	17	11	6	5	2	3	5	6	1	18	7	3	5	4	6	3	0	0	0	0	20	0	0
March	5.8	N.	21	NW.	0	11	4	11	8	3	11	4	10	0	14	9	8	7	2	9	6	0	0	1	0	26	0	0
April	5.6	E.	23	SW.	0	5	10	10	9	2	12	9	3	0	14	12	4	3	2	2	0	1	0	0	0	5	3	0
May	6.9	SW.	27	S.	0	4	6	6	17	7	12	5	3	2	10	12	9	6	3	3	1	2	0	0	0	5	8	0
June	5.8	SE.	23	SW.	0	5	6	10	12	6	16	2	2	1	18	11	1	3	1	0	0	1	0	0	1	0	6	0
July	4.7	SE.	28	N.	0	4	8	16	16	6	7	0	3	2	3	23	5	19	16	0	0	0	0	0	0	0	28	0
August	4.1	E.	20	NW.	0	1	9	15	17	4	9	2	4	1	19	7	5	13	12	0	0	3	0	0	0	0	18	0
September	4.9	SE.	26	SW.	0	2	10	9	14	4	11	5	3	2	15	7	8	6	4	0	0	2	0	0	0	0	8	0
October	5.4	SE.	18	NW.	0	4	9	8	20	5	10	4	1	1	19	9	3	6	4	0	0	3	0	0	0	6	6	0
November	4.9	N.	23	S.	0	6	16	12	14	3	3	3	3	0	14	10	6	5	4	8	5	0	0	4	0	25	0	0
December	4.9	NE.	22	N.	0	19	21	7	7	1	0	1	5	1	20	8	3	1	1	4	1	0	0	6	0	31	0	0
Year	5.3	SE.	28	N.	0	89	118	115	153	50	101	44	49	11	176	127	62	83	57	45	25	12	0	22	1	149	77	0

SAULT STE. MARIE, MICH.

[H_b=614 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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	7.2	SW.	30	NW.	0	5	3	5	12	5	13	9	10	0	6	9	16	10	5	21	8	0	1	26	0	31	0	0
February	7.0	SE.	30	W.	0	1	4	9	18	1	4	10	8	1	11	5	12	14	8	18	13	0	5	18	0	26	0	1
March	9.7	NW.	45	NW.	3	2	5	6	10	2	4	9	23	1	7	13	11	16	7	20	14	0	2	20	0	31	1	0
April	8.6	NW.	38	NW.	2	4	4	6	18	3	1	7	17	0	13	10	7	8	6	8	6	0	2	3	0	22	3	1
May	8.3	NW.	43	NW.	1	3	3	7	14	2	8	9	16	0	15	12	4	10	10	1	0	0	2	0	0	2	4	3
June	6.5	NW.	22	NW.	0	2	4	4	14	4	11	9	11	1	12	5	13	15	12	0	0	1	1	0	0	0	7	2
July	6.4	NW.	46	NW.	1	2	3	8	9	2	7	13	18	0	22	6	3	8	5	0	0	0	3	0	1	0	5	7
August	5.8	NW.	28	NW.	0	4	6	7	9	2	4	6	23	1	22	7	2	6	5	0	0	0	2	0	0	0	5	2
September	7.9	NW.	29	NW.	0	3	2	4	13	2	7	9	20	0	11	9	10	13	9	0	0	1	5	0	0	0	5	6
October	7.3	SE.	30	NW.	0	7	4	12	16	3	7	4	9	0	6	8	17	15	10	7	4	0	6	0	0	10	1	3
November	8.7	SE.	28	SE.	0	3	6	3	23	6	9	5	5	0	4	7	19	11	7	12	5	0	3	7	0	14	0	0
December	7.1	SW.	27	NW.	0	6	9	8	10	6	9	8	6	0	6	4	21	19	9	24	18	0	2	21	0	29	0	1
Year	7.5	NW.	46	NW.	7	42	53	79	166	38	84	98	166	4	135	95	135	145	93	111	68	2	34	95	1	165	31	26

Annual meteorological summary for the year ending December 31, 1930—Continued

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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	30.135	30.560	29.760	47.5	56.9	53.3	61.5	44.6	53.0	77	30	43	46	44	86	69	73	0.304	0.336	0.312	3.59	1.04	4.7	6.3	5.1	5.9
February	30.079	30.327	29.710	50.3	64.4	57.7	67.4	48.6	58.0	82	34	43	46	45	78	54	64	.299	.337	.314	1.13	.62	3.9	3.9	4.9	4.1
March	29.889	30.210	29.350	49.8	59.1	56.4	63.4	47.2	55.3	76	29	42	45	42	77	63	63	.293	.327	.300	4.22	1.38	6.1	6.5	5.2	6.4
April	29.987	30.380	29.570	61.8	73.3	67.0	75.9	58.3	67.1	87	50	54	54	52	76	52	63	.430	.433	.414	4.21	2.12	4.4	5.5	4.4	5.0
May	29.996	30.210	29.604	72.2	81.3	74.1	84.2	66.6	75.4	92	54	64	63	63	76	54	70	.601	.585	.588	1.94	1.27	5.4	5.6	4.9	5.5
June	29.930	30.250	29.630	74.8	82.2	76.6	85.2	69.7	77.4	97	60	68	67	68	81	62	77	.705	.676	.694	3.42	.95	6.5	5.7	6.0	5.9
July	29.931	30.140	29.700	79.2	89.0	82.4	93.3	73.9	83.6	100	69	73	73	73	80	60	75	.801	.807	.823	6.39	2.89	4.3	5.3	4.9	5.3
August	29.950	30.160	29.710	74.1	85.6	79.5	88.9	70.8	79.8	97	60	69	68	69	84	56	72	.713	.685	.724	1.95	.97	4.3	4.4	2.1	4.3
September	29.955	30.160	29.790	75.4	86.0	77.8	88.4	71.7	80.0	94	64	72	72	72	90	64	84	.789	.791	.798	9.43	2.53	4.5	6.8	5.6	6.2
October	30.003	30.330	29.690	59.1	71.3	65.6	74.4	56.0	65.2	87	43	52	52	53	77	52	65	.405	.409	.422	.64	.53	4.2	4.4	3.0	4.0
November	30.113	30.543	29.660	51.6	60.9	56.2	63.6	49.4	56.5	79	30	46	50	48	82	70	76	.344	.403	.373	2.88	1.19	6.6	6.9	5.4	6.5
December	30.033	30.489	29.750	42.5	51.9	48.3	55.1	40.4	47.8	70	30	38	42	38	84	70	70	.241	.278	.242	2.35	.66	6.6	6.0	5.6	5.9
Year	30.000	30.560	29.350	61.5	71.8	66.2	75.1	58.1	66.6	100	29	55	56	56	81	60	71	.494	.506	.500	42.15	2.89	5.1	5.6	4.8	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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.338	29.845	28.870	25.9	30.9	30.3	36.5	21.1	28.8	59	−1	21	23	22	82	70	71	0.133	0.139	0.137	1.20	0.32	7.5	7.8	6.5	7.4
February	29.197	29.641	28.750	28.1	36.5	35.2	41.0	23.7	32.4	67	1	24	27	27	84	69	73	.143	.165	.165	1.87	.73	6.9	7.2	6.5	6.6
March	28.925	29.627	28.220	32.0	40.7	39.5	46.1	27.1	36.6	70	14	25	26	26	73	55	60	.137	.147	.151	2.26	.69	6.5	6.9	5.5	6.5
April	29.164	29.610	28.350	41.2	51.5	49.5	56.7	36.1	46.4	76	24	33	32	33	72	49	54	.195	.185	.196	2.52	1.07	6.8	7.3	6.0	6.9
May	29.146	29.497	28.780	56.5	67.3	62.5	71.0	49.2	60.1	90	40	45	43	44	66	45	55	.308	.293	.308	2.58	.97	5.9	5.6	4.8	5.6
June	29.126	29.521	28.710	66.4	77.6	74.0	81.7	58.0	69.8	92	42	56	56	56	71	49	56	.467	.450	.468	2.83	1.20	4.3	5.4	5.0	4.7
July	29.099	29.375	28.810	66.7	79.0	74.9	82.9	59.6	71.2	99	48	58	59	58	75	50	58	.499	.498	.497	2.78	.98	4.9	4.5	4.0	4.3
August	29.170	29.513	28.940	64.4	77.9	73.8	82.1	58.4	70.2	98	42	55	52	54	72	43	53	.441	.399	.432	1.85	1.22	4.3	5.9	4.9	4.6
September	29.157	29.462	28.820	59.8	73.7	68.6	77.8	55.1	66.4	88	39	54	53	55	82	51	62	.442	.434	.454	2.76	.67	5.1	5.1	4.1	4.5
October	29.229	29.541	28.760	43.7	58.1	52.7	61.4	39.8	50.5	81	27	39	39	40	83	51	61	.245	.255	.256	1.34	.89	4.8	5.9	4.1	5.1
November	29.292	29.850	28.390	38.8	47.0	44.5	50.5	35.4	43.0	66	10	33	33	34	80	59	67	.208	.208	.217	2.09	.79	7.3	7.6	6.5	6.6
December	29.183	29.730	28.680	27.4	31.8	31.0	35.6	24.2	29.9	50	7	23	24	24	82	71	74	.126	.131	.131	2.04	.67	7.4	7.4	7.6	7.4
Year	29.169	29.850	28.220	45.9	56.0	53.0	60.3	40.6	50.4	99	−1	39	39	39	77	55	62	.279	.275	.284	26.12	1.22	6.0	6.4	5.5	5.8

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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.967	30.470	29.280	30.5	34.6	35.5	37.6	27.9	32.8	50	18	23	24	26	73	65	68	0.132	0.137	0.147	2.62	0.69	5.5	5.6	4.9	5.4
February	29.858	30.310	29.057	42.3	45.6	46.3	49.8	38.8	44.3	63	30	38	40	38	84	81	76	.231	.252	.241	3.82	.73	6.9	8.4	7.7	8.1
March	29.954	30.310	29.490	42.5	48.5	51.0	53.3	40.4	46.8	68	34	36	37	36	79	66	59	.218	.224	.215	1.86	1.10	6.5	6.5	6.5	6.4
April	29.857	30.130	29.470	47.6	54.5	56.7	59.5	46.0	52.8	69	38	44	44	42	87	68	61	.288	.284	.275	1.82	.38	6.2	7.1	6.6	6.9
May	29.870	30.320	29.550	47.2	54.9	58.6	61.1	45.7	53.4	73	39	44	44	44	88	67	60	.285	.290	.287	2.41	1.29	7.3	6.4	5.8	6.6
June	29.911	30.140	29.440	52.3	60.7	64.7	66.7	50.9	58.8	86	45	47	47	46	83	61	53	.324	.319	.318	1.71	1.01	6.8	6.5	5.7	6.2
July	29.960	30.120	29.750	55.4	63.6	71.0	71.9	54.0	63.0	89	48	50	50	50	81	62	48	.356	.362	.360	T.	T.	6.3	5.0	3.9	5.0
August	29.901	30.090	29.660	58.0	65.9	73.5	74.8	55.8	65.3	86	50	53	52	51	85	63	47	.409	.396	.379	.08	.06	4.6	3.6	2.8	3.7
September	29.851	30.070	29.560	55.1	60.9	64.9	66.1	52.6	59.4	84	42	52	51	50	89	71	61	.387	.377	.370	1.14	.88	6.7	6.2	5.1	6.2
October	29.926	30.320	29.300	47.4	53.1	54.8	57.0	45.0	51.0	66	38	44	45	45	89	75	71	.294	.305	.306	2.72	.61	4.6	6.2	6.2	6.8
November	29.991	30.620	28.900	42.8	46.5	47.2	49.8	39.9	44.8	65	29	40	41	41	90	81	80	.248	.260	.264	1.75	.78	5.9	7.0	7.0	7.8
December	30.058	30.340	29.510	41.2	45.3	45.8	48.1	38.1	43.1	55	27	36	36	37	83	70	71	.215	.213	.220	1.85	.53	5.9	6.7	6.5	6.7
Year	29.925	30.620	28.900	46.9	52.8	55.8	58.0	44.6	51.3	89	18	42	43	42	84	69	63	.282	.285	.282	21.78	1.29	6.1	6.3	5.7	6.3

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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	26.130	26.490	25.680	−0.1	13.8	10.2	17.8	−6.5	5.6	54	−36	−6	3	2	76	62	67	0.037	0.051	0.050	0.60	0.18	4.8	5.6	6.3	5.6
February	26.011	26.400	25.660	27.7	39.8	36.4	44.5	22.8	33.6	69	2	21	23	25	75	53	61	.113	.126	.137	.48	.12	6.1	6.8	5.1	6.0
March	26.058	26.690	25.540	24.4	37.3	38.1	43.1	19.9	31.5	63	−9	19	21	21	78	53	51	.105	.113	.115	.73	.30	6.1	6.8	5.2	5.7
April	26.038	26.420	25.684	37.6	62.7	62.8	67.3	35.0	51.2	82	18	32	34	35	82	37	38	.188	.202	.208	.64	.30	5.1	4.8	5.8	4.7
May	26.010	26.380	25.550	43.4	60.1	60.6	65.2	39.4	52.3	84	29	37	36	38	80	45	46	.227	.219	.229	1.50	.42	5.9	7.6	6.4	6.3
June	26.039	26.379	25.488	48.4	72.3	73.7	78.0	43.8	60.9	94	33	41	40	41	77	33	34	.261	.256	.257	1.39	1.13	3.8	4.0	4.3	3.0
July	26.139	26.450	25.831	58.3	84.6	82.6	89.5	54.1	71.8	102	44	50	48	50	74	30	35	.358	.339	.359	1.20	.65	3.2	2.9	3.0	3.5
August	26.161	26.340	25.918	57.9	81.2	78.4	84.7	55.6	70.2	94	38	51	50	52	79	36	41	.373	.367	.390	.36	.21	5.3	5.3	7.3	5.7
September	26.074	26.450	25.550	42.4	71.4	68.7	75.1	39.4	57.2	87	27	36	36	38	81	30	35	.218	.221	.237	T.	T.	3.1	3.7	4.5	3.2
October	26.128	26.440	25.610	33.6	48.3	45.4	52.1	30.7	41.4	76	12	30	32	33	88	58	65	.179	.192	.204	2.02	.56	6.1	7.0	5.9	6.6
November	26.139	26.610	25.260	25.4	45.7	38.5	50.3	20.8	35.6	71	8	20	23	23	81	44	53	.109	.120	.121	.19	.07	3.9	4.6	4.6	4.7
December	26.162	26.371	25.900	20.2	39.2	32.5	43.7	14.2	29.0	61	6	16	20	18	82	45	54	.087	.104	.098	.03	.02	4.4	2.9	3.8	4.1
Year	26.091	26.690	25.260	34.9	54.7	52.3	59.3	30.8	45.0	102	−36	29	30	31	79	44	48	.188	.192	.201	9.23	1.13	4.8	5.2	5.5	4.9

Annual meteorological summary for the year ending December 31, 1930—Continued

SAVANNAH, GA.

[H_b=65 ft.; h_t=150 ft.; h_r=143 ft.; h_a=194 ft.]

Month	Wind: By self-register: Average hourly velocity	Wind: By self-register: Prevailing direction	Wind: By self-register: Maximum velocity	Wind: By self-register: Direction at time of maximum velocity	Wind: By self-register: Days with 33 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: Thunderstorm	Electricity: Aurora
	Miles		*Mi.*																									
January	10.0	NE.	30	S.	0	8	12	10	3	7	4	10	8	0	10	6	15	10	9	1	0	0	4	0	0	3	2	0
February	9.8	W.	25	SW.	0	7	9	5	3	14	5	9	4	0	15	5	8	5	3	0	0	0	1	0	0	0	1	0
March	12.2	W.	38	NW.	3	2	4	5	1	12	8	22	8	0	10	5	16	15	12	0	0	0	2	0	0	1	0	0
April	10.3	E.	30	W.	0	3	9	9	5	13	5	12	4	0	13	8	9	6	6	0	0	0	2	0	0	0	1	0
May	9.0	S.	27	N.	0	4	6	5	10	18	9	7	3	0	9	10	12	6	3	0	0	0	0	0	5	0	5	0
June	9.4	E.	35	NW.	1	4	5	15	7	14	2	11	2	0	10	4	16	14	11	0	0	0	1	0	8	0	9	0
July	9.2	SW.	33	N.	1	0	1	1	1	22	15	20	2	0	7	16	8	9	7	0	0	0	0	0	25	0	15	0
August	8.5	N.	32	NW.	0	12	5	8	4	16	8	8	1	0	12	12	7	6	4	0	0	0	3	0	12	0	4	0
September	7.7	S.	31	W.	0	8	7	6	2	16	4	13	3	1	4	15	11	18	16	0	0	0	3	0	12	0	16	0
October	8.9	N.	22	SW.	0	17	12	9	1	5	1	9	8	0	17	7	7	4	2	0	0	0	0	0	0	0	1	0
November	10.4	NE.	36	S.	2	12	14	9	1	8	5	10	1	0	6	8	16	11	9	0	0	0	3	0	0	1	1	0
December	10.5	W.	30	NW.	0	14	9	2	1	2	7	18	9	0	11	3	17	9	9	0	0	0	5	0	0	2	0	0
Year	9.7	W.	38	NW.	7	91	93	84	39	147	73	149	53	1	124	99	142	113	91	1	0	0	24	0	62	7	55	0

SCRANTON, PA.

[H_b=805 ft.; h_t=111 ft.; h_r=102 ft.; h_a=119 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	6.0	SW.	22	N.	0	12	7	1	1	2	30	3	6	0	4	11	16	13	8	12	5	0	0	14	0	23	0	0
February	6.2	SW.	23	NW.	0	11	3	2	1	2	28	0	6	3	5	11	12	10	8	13	7	0	1	7	0	20	0	0
March	8.1	SW.	26	SW.	0	15	3	1	2	1	24	5	11	0	6	11	14	10	8	12	3	0	0	3	0	25	1	0
April	6.8	SW.	25	SW.	0	17	6	1	2	1	18	3	12	0	5	12	13	12	8	7	2	0	1	0	0	10	1	0
May	6.6	SW.	29	SW.	0	12	6	2	1	5	14	6	13	3	9	11	11	12	9	0	0	0	0	0	2	0	5	0
June	6.2	SW.	21	SE.	0	10	2	0	4	6	28	6	4	0	8	17	5	9	7	0	0	1	0	0	3	0	7	0
July	5.5	N.	24	NW.	0	23	9	1	0	3	18	3	5	0	10	17	4	7	7	0	0	0	0	0	3	0	6	0
August	4.7	SW.	24	NE.	0	18	10	1	5	2	18	2	4	2	10	19	2	5	5	0	0	0	0	0	7	0	3	0
September	4.6	SW.	21	W.	0	24	8	1	3	3	15	5	1	0	12	13	5	13	10	0	0	0	1	0	0	0	7	1
October	4.8	N.	26	NW.	0	11	15	4	3	3	14	6	5	1	10	14	7	6	5	2	1	0	3	0	0	5	1	0
November	6.1	SW.	27	NW.	0	8	10	1	2	2	26	8	2	1	5	10	15	11	8	7	3	0	0	4	0	13	0	0
December	5.8	SW.	20	NW.	0	5	8	3	0	2	27	7	10	0	3	10	18	15	12	17	9	0	1	10	0	24	0	0
Year	6.0	SW.	29	SW.	0	166	87	18	24	32	260	54	79	10	87	156	122	123	95	70	30	1	7	38	15	120	31	1

SEATTLE, WASH.

[H_b=125 ft.; h_t=215 ft.; h_r=209 ft.; h_a=250 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	6.2	NE.	34	S.	2	7	20	9	10	11	2	1	2	0	13	5	13	13	10	9	6	0	0	9	0	24	0	0
February	9.2	S.	47	S.	2	3	8	4	11	14	10	1	2	3	2	5	21	18	14	3	2	1	1	0	0	2	0	0
March	7.7	N.	38	SW.	2	17	8	2	10	11	8	3	2	1	8	9	14	12	6	2	0	1	1	0	0	0	1	0
April	7.1	S.	35	SW.	2	8	3	2	11	12	10	9	4	1	3	11	16	15	11	0	0	0	0	0	0	0	0	0
May	7.5	S.	32	S.	0	2	8	6	14	12	4	7	8	1	6	8	17	13	9	0	0	2	0	0	0	0	3	0
June	7.5	S.	35	SW.	1	4	12	2	8	13	11	5	4	1	5	14	11	8	7	0	0	1	0	0	0	0	1	0
July	5.8	NE.	18	NE.	0	12	8	1	6	8	4	14	5	4	11	12	8	0	0	0	0	0	0	0	0	0	0	0
August	5.1	NW.	26	N.	0	9	6	3	9	10	3	4	13	5	17	8	6	3	1	0	0	0	2	0	0	0	1	0
September	5.7	S.	23	S.	0	13	6	4	9	15	6	0	4	3	9	7	14	10	5	0	0	0	5	0	0	0	1	2
October	5.5	SE.	28	S.	0	6	8	5	13	17	1	6	4	2	3	16	12	14	10	0	0	0	10	0	0	0	0	0
November	6.1	SE.	31	S.	0	9	13	4	9	14	2	0	6	3	1	9	20	9	4	1	0	0	12	0	0	4	0	0
December	6.2	SE.	33	S.	1	3	4	2	20	24	3	1	2	3	3	14	14	14	11	0	0	0	5	0	0	3	0	0
Year	6.6	S.	47	S.	10	93	104	44	130	161	64	51	56	27	81	118	166	129	88	15	8	5	36	9	0	33	7	2

SHERIDAN, WYO.

[H_b=3,790 ft.; h_t=10 ft.; h_r=3 ft.; h_a=47 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	3.5	NW.	22	NW.	0	3	2	3	10	15	3	2	19	5	8	13	10	12	7	18	12	0	1	26	0	31	0	0
February	4.3	NW.	18	NW.	0	3	0	1	5	11	6	5	23	2	4	15	9	7	5	10	7	0	0	5	0	26	0	0
March	4.9	NW.	29	NW.	0	5	1	5	8	6	5	10	22	0	8	10	13	9	8	15	8	0	0	2	0	29	0	0
April	4.7	NW.	24	E.	0	4	5	9	6	10	6	3	15	2	9	18	3	11	5	1	0	2	0	0	0	10	4	0
May	5.5	NW.	34	SE.	1	2	9	1	16	4	6	1	19	4	5	12	14	12	8	1	0	0	0	0	0	3	3	0
June	4.2	NW.	24	NW.	0	3	1	3	16	7	9	2	10	9	22	6	2	6	4	0	0	0	0	0	4	0	6	0
July	3.4	NW.	28	NW.	0	1	4	5	9	8	6	4	15	10	18	10	3	5	4	0	0	1	0	0	14	0	12	0
August	3.7	SE.	25	SW.	0	0	3	3	13	15	8	4	12	4	7	15	9	9	1	0	0	0	0	0	8	0	5	0
September	3.2	NW.	19	NW.	0	2	9	2	7	9	7	2	17	5	19	8	3	0	0	0	0	0	0	0	0	6	1	2
October	3.1	NW.	28	NW.	0	5	5	1	2	9	9	1	18	12	8	6	17	15	11	6	4	0	0	5	0	17	1	1
November	3.9	NW.	29	NW.	0	1	0	1	6	16	5	3	24	4	10	14	6	5	3	7	5	0	0	2	0	30	0	0
December	3.3	NW.	20	NW.	0	2	1	0	9	18	9	0	19	4	15	12	4	2	0	6	2	0	0	3	0	31	0	0
Year	4.0	NW.	34	SE.	1	31	40	34	107	128	79	37	213	61	133	139	93	93	56	64	38	3	1	43	26	183	32	3

Annual meteorological summary for the year ending December 31, 1930—Continued

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
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.966	30.440	29.440	36.2	43.5	43.8	49.7	33.1	41.4	70	−2	30	32	35	79	67	72	0.198	0.219	0.235	9.13	2.87	6.5	6.0	5.6	6.2
February	29.814	30.180	29.260	51.1	61.0	61.0	66.1	48.6	57.4	79	33	45	48	48	81	65	65	.320	.353	.350	4.72	1.58	5.9	6.0	4.7	5.6
March	29.736	30.330	29.030	48.3	60.0	59.4	64.3	45.7	55.0	77	28	42	43	42	78	56	55	.287	.303	.291	1.24	.66	5.3	4.9	4.9	5.0
April	29.744	30.110	29.480	61.6	76.8	76.8	81.9	60.1	71.0	93	54	52	51	52	74	44	44	.410	.395	.397	.75	.26	4.1	3.6	3.9	3.9
May	29.728	30.120	29.380	68.2	77.3	76.6	81.2	64.9	73.0	87	57	63	61	61	84	60	61	.590	.556	.548	6.42	1.88	6.6	5.4	4.9	5.6
June	29.704	29.920	29.470	73.2	86.2	87.8	91.3	70.8	81.0	101	60	64	60	61	73	42	41	.601	.532	.539	.76	.41	3.1	2.2	2.0	2.7
July	29.742	29.880	29.535	77.3	92.1	91.8	97.9	75.9	86.9	105	68	69	66	65	76	44	42	.712	.653	.615	.21	.15	2.6	2.4	2.8	2.7
August	29.724	29.920	29.510	75.5	89.6	90.2	95.5	73.3	84.4	102	67	68	66	65	77	47	46	.685	.642	.630	2.40	1.05	3.5	3.5	4.2	4.0
September	29.693	29.930	29.440	70.3	83.6	81.6	88.1	68.5	78.3	98	55	67	70	68	88	65	64	.667	.746	.689	4.88	1.57	4.3	4.5	5.2	4.7
October	29.802	30.360	29.360	57.9	70.5	68.0	73.5	55.9	64.7	87	40	55	60	59	89	70	74	.447	.537	.514	4.72	2.62	5.2	3.6	3.3	4.0
November	29.880	30.350	29.230	49.1	61.2	59.2	64.7	46.5	55.6	81	32	46	50	50	88	69	73	.328	.384	.381	4.29	2.40	5.0	4.5	3.5	4.4
December	29.906	30.170	29.450	41.3	50.3	49.7	54.2	39.2	46.7	67	27	38	44	40	89	79	71	.240	.292	.259	3.89	1.82	5.2	5.3	4.8	5.2
Year	29.787	30.440	29.030	59.2	71.0	70.5	75.7	56.9	66.3	105	−2	53	54	54	81	59	59	.457	.468	.454	43.41	2.87	4.8	4.3	4.2	4.5

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	28.993	29.410	28.420	6.6	12.6	13.6	18.4	2.4	10.4	48	−22	2	4	6	78	67	72	0.049	0.055	0.063	0.64	0.31	5.0	5.4	4.4	5.3
February	28.737	29.277	28.240	31.2	39.8	40.5	45.8	27.0	36.4	69	−3	26	28	28	81	62	62	.147	.160	.168	.28	.16	5.8	6.8	5.0	6.4
March	28.754	29.370	28.280	27.8	40.8	41.0	47.2	25.6	36.4	74	3	20	21	22	73	43	46	.114	.119	.120	.12	.06	5.0	5.6	4.7	5.2
April	28.786	29.050	28.390	44.5	58.0	59.4	63.1	42.5	52.8	84	23	35	36	37	71	50	50	.216	.229	.237	2.00	.74	7.3	6.3	5.8	6.4
May	28.724	29.129	28.100	53.3	63.6	65.2	69.3	49.8	59.6	88	35	45	45	46	75	55	53	.314	.319	.325	5.88	2.22	5.4	6.4	6.0	6.1
June	28.707	29.020	28.275	63.2	75.5	77.4	80.6	58.8	69.7	99	45	55	54	54	76	48	46	.449	.427	.429	5.67	2.94	4.6	5.3	3.8	4.7
July	28.755	29.100	28.560	71.7	86.7	88.6	92.2	68.8	80.5	104	50	59	58	58	66	40	37	.518	.508	.497	.72	.70	4.5	4.0	3.6	3.9
August	28.809	29.090	28.459	68.0	80.9	80.8	85.1	66.0	75.6	105	56	60	60	61	76	51	53	.526	.532	.545	.89	.35	6.4	6.1	7.2	6.7
September	28.746	29.100	28.410	57.0	72.1	71.4	77.3	54.3	65.8	90	41	50	49	51	77	46	50	.380	.377	.391	2.46	1.78	4.2	4.7	4.9	4.5
October	28.838	29.353	28.340	44.3	55.1	54.8	59.8	42.5	51.2	88	17	38	40	39	80	56	56	.272	.289	.279	1.60	1.43	5.5	5.5	4.7	5.2
November	28.801	29.423	27.981	34.0	44.4	42.8	50.1	30.3	40.2	69	9	28	30	30	77	58	61	.163	.180	.176	2.99	2.59	4.2	5.5	3.6	4.7
December	28.897	29.400	28.490	24.3	30.5	30.9	35.7	21.6	28.6	58	8	20	22	22	84	70	71	.108	.117	.120	.30	.19	5.5	6.4	4.6	6.1
Year	28.796	29.423	27.981	43.8	55.0	55.5	60.4	40.8	50.6	105	−22	36	37	38	76	54	55	.271	.276	.279	23.55	2.94	5.3	5.7	4.9	5.4

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	28.096	28.740	27.440	12.4	19.0	21.5	23.8	8.5	16.2	52	−8	7	10	12	77	69	66	0.065	0.076	0.080	0.85	0.39	4.5	5.3	4.9	5.3
February	27.948	28.360	27.385	34.5	41.6	42.1	44.8	31.4	38.1	60	14	29	29	31	81	64	65	.166	.169	.176	1.52	.45	4.8	7.2	7.4	6.8
March	27.976	28.500	27.430	34.9	46.8	50.3	51.8	32.4	42.1	70	20	26	26	27	70	45	43	.146	.148	.153	.71	.51	3.1	5.6	5.1	5.4
April	27.909	28.250	27.590	43.4	60.8	63.2	66.0	41.6	53.8	80	32	36	33	33	77	38	36	.217	.196	.198	.88	.61	3.6	6.1	6.8	5.7
May	27.870	28.280	27.580	46.2	61.0	63.9	66.0	44.0	55.0	85	33	38	35	33	74	42	36	.231	.208	.197	1.63	.98	5.5	5.8	6.7	5.9
June	27.931	28.223	27.670	50.7	68.2	71.6	73.7	48.7	61.2	88	42	41	38	39	72	35	33	.265	.231	.239	1.52	1.38	4.0	6.0	6.1	5.0
July	27.952	28.140	27.777	59.8	80.8	85.1	86.8	59.0	72.9	98	50	43	42	37	56	26	20	.285	.273	.231	T.	T.	1.6	2.6	3.2	2.4
August	27.945	28.150	27.690	60.2	82.1	85.5	87.5	58.1	72.8	104	47	44	42	39	56	26	21	.294	.274	.244	.57	.38	2.3	2.7	3.4	2.8
September	27.963	28.190	27.550	52.2	69.1	71.2	74.0	49.8	61.9	90	34	41	43	41	69	43	38	.269	.280	.269	.75	.45	3.8	5.2	6.6	5.1
October	28.016	28.410	27.380	39.9	50.9	53.5	55.5	36.8	46.2	75	26	36	37	37	86	60	55	.218	.225	.227	1.02	.37	5.5	5.7	5.3	5.9
November	28.125	28.707	27.020	33.5	38.2	39.8	41.6	31.3	36.4	57	18	31	33	33	89	80	77	.172	.183	.189	1.53	.92	7.7	7.6	7.9	8.0
December	28.224	28.510	27.800	26.8	29.5	30.2	32.1	24.3	28.2	38	12	26	26	27	94	88	87	.138	.144	.148	.86	.26	8.2	8.9	7.5	8.5
Year	27.991	28.740	27.020	41.2	54.0	56.5	58.6	38.8	48.7	104	−8	33	33	32	75	51	48	.206	.201	.196	11.84	1.38	4.6	5.7	5.9	5.6

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.	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	29.527	29.930	28.850	16.3	22.5	21.6	27.7	11.5	19.6	56	−18	14	16	18	88	77	84	0.097	0.101	0.107	3.80	1.11	5.0	6.0	6.0	6.0
February	29.349	29.840	28.920	35.3	44.1	43.2	48.2	32.6	40.4	78	6	31	35	36	82	70	76	.187	.228	.237	2.76	1.33	6.0	6.5	5.4	6.7
March	29.230	29.650	28.790	32.2	42.9	43.4	48.8	29.7	39.2	70	12	28	31	31	82	63	61	.156	.183	.180	1.17	.53	5.1	5.4	5.2	4.9
April	29.334	29.630	28.990	48.9	61.4	62.7	66.9	46.5	56.7	90	32	43	48	48	80	64	58	.289	.350	.333	1.55	.65	5.1	4.5	4.9	5.0
May	29.315	29.740	28.870	58.8	68.3	69.4	73.7	54.4	64.0	87	40	50	49	49	73	53	51	.374	.362	.364	1.65	.82	5.4	5.3	4.2	5.0
June	29.280	29.560	29.010	66.5	78.0	77.5	82.0	61.6	71.8	97	47	56	56	56	70	48	49	.464	.461	.460	2.40	.77	4.8	5.6	5.0	5.1
July	29.320	29.550	29.060	73.3	86.1	84.7	90.5	68.2	79.4	104	52	62	62	62	68	46	49	.562	.570	.572	1.33	.76	3.1	3.8	4.4	4.0
August	29.359	29.640	29.170	70.0	83.1	81.8	87.1	66.9	77.0	102	57	59	57	57	70	44	46	.513	.484	.489	2.68	1.15	4.9	5.7	5.5	5.8
September	29.310	29.640	28.910	62.5	75.4	73.1	79.9	59.9	69.9	92	45	55	55	56	77	53	56	.456	.472	.471	2.71	2.14	5.2	4.6	3.9	4.5
October	29.411	29.910	29.010	47.2	59.2	56.5	63.0	44.8	53.9	85	25	44	46	46	87	64	69	.309	.336	.336	1.44	1.32	4.0	4.3	3.6	4.5
November	29.412	29.950	28.640	38.5	49.3	46.4	53.5	35.3	44.4	77	7	34	35	35	83	62	65	.222	.232	.227	2.51	1.73	4.0	4.9	3.5	4.5
December	29.425	29.960	29.100	28.8	35.9	33.3	38.3	26.1	32.2	56	13	24	26	26	82	67	74	.135	.147	.148	.32	.25	5.6	6.2	5.8	6.1
Year	29.356	29.960	28.640	48.2	58.8	57.8	63.3	44.8	54.0	104	−18	42	43	43	78	59	62	.314	.327	.327	24.32	2.14	4.8	5.2	4.8	5.2

Annual meteorological summary for the year ending December 31, 1930—Continued

SHREVEPORT, LA.

[H_b=249 ft.; h_t=77 ft.; h_r=70 ft.; h_a=93 ft.]

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorm	Aurora
	Miles		*Mi.*																									
January	5.7	NW.	18	NW.	0	7	7	10	13	3	1	0	20	1	12	3	16	13	11	2	1	0	1	3	0	14	3	0
February	5.8	S.	24	NE.	0	2	5	5	15	18	5	3	3	0	10	6	12	11	9	0	0	0	0	0	0	0	4	0
March	6.4	NW.	25	SW.	0	0	2	5	12	13	6	6	18	0	14	7	10	8	6	0	0	0	0	0	0	1	4	0
April	5.6	SE.	19	SE.	0	2	3	9	28	11	2	4	1	0	13	13	4	6	4	0	0	0	0	0	1	0	5	0
May	5.3	SE.	19	W.	0	4	11	11	21	9	1	2	3	0	8	9	14	11	8	0	0	0	1	0	0	0	9	0
June	5.2	SE.	21	NW.	0	6	6	3	18	19	5	2	1	0	21	8	1	3	2	0	0	0	0	0	16	0	3	0
July	4.9	SW.	19	S.	0	3	4	3	7	14	17	11	3	0	22	9	0	3	2	0	0	0	0	0	30	0	9	0
August	4.8	SE.	22	NW.	0	3	9	12	13	12	8	4	1	0	17	8	6	7	5	0	0	0	0	0	26	0	7	0
September	4.5	SE.	29	NE.	0	1	8	6	23	10	2	2	8	0	11	13	6	11	10	0	0	0	0	0	13	0	4	0
October	4.7	E.	18	SE.	0	9	10	15	15	6	1	0	5	1	20	4	7	6	6	0	0	0	0	0	0	0	0	0
November	5.5	SE.	24	W.	0	5	14	3	14	8	4	7	5	0	15	6	9	5	5	0	0	0	0	0	0	0	4	0
December	4.7	SE.	18	W.	0	6	4	8	10	5	11	7	11	0	12	7	12	9	7	0	0	0	2	0	0	5	0	0
Year	5.3	SE.	29	NE.	0	48	83	90	189	128	63	48	79	2	175	93	97	93	75	2	1	0	4	3	86	20	52	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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	10.6	NW.	37	NW.	1	7	5	2	11	4	1	5	27	0	12	10	9	8	5	20	8	0	0	25	0	31	0	0
February	11.2	NW.	42	NW.	4	7	2	3	12	11	1	4	15	1	3	15	10	3	2	7	2	0	1	3	0	18	0	0
March	13.9	NW.	42	NW.	7	4	4	2	11	7	0	2	31	1	10	10	11	4	1	10	3	0	0	2	0	24	1	0
April	10.7	SE.	39	NW.	1	2	9	11	13	5	3	4	12	1	9	5	16	12	10	1	0	0	1	0	0	2	2	1
May	12.7	NW.	52	S.	4	4	8	7	6	15	2	4	15	1	8	10	13	10	9	0	0	2	0	0	0	0	7	0
June	10.2	SE.	42	SW.	3	8	1	6	10	18	2	3	11	1	11	15	4	9	6	0	0	2	0	0	3	0	9	1
July	8.7	S.	29	S.	0	7	8	10	14	16	3	1	3	0	16	9	6	2	1	0	0	0	0	0	17	0	3	1
August	8.0	S.	27	S.	0	3	6	14	10	24	3	0	1	1	4	14	13	8	6	0	0	0	0	0	8	0	9	0
September	9.9	SE.	39	NW.	4	4	9	8	10	11	1	4	11	2	13	11	6	6	6	0	0	1	1	0	1	0	6	1
October	11.5	NW.	42	NW.	3	4	1	2	19	12	1	0	22	1	11	10	10	7	3	2	1	0	0	0	0	11	1	0
November	12.7	NW.	51	NW.	4	4	5	1	13	14	1	6	16	0	12	11	7	7	4	8	3	0	1	3	0	16	0	0
December	9.2	NW.	31	NW.	0	6	4	2	9	6	5	4	25	1	9	9	13	5	3	16	5	0	1	11	0	29	0	0
Year	10.8	NW.	52	S.	31	60	62	68	138	143	23	37	189	10	118	129	118	81	56	64	22	5	5	44	29	131	38	4

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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	4.0	NE.	22	E.	0	7	12	8	0	4	12	5	13	1	12	6	13	6	6	15	6	0	0	25	0	29	0	0
February	5.8	SW.	26	SW.	0	2	4	14	2	10	17	3	3	1	5	10	13	9	7	3	2	1	2	0	0	18	0	0
March	5.8	S.	27	SW.	0	5	11	5	3	8	13	4	6	7	10	11	10	5	4	5	2	0	1	0	0	15	1	0
April	5.5	S.	21	SW.	0	3	3	8	1	21	13	2	4	5	10	9	11	9	5	0	0	0	0	0	0	1	3	0
May	6.2	S.	22	SW.	0	8	8	8	2	23	8	1	3	1	8	8	15	9	6	0	0	1	0	0	0	0	1	0
June	6.0	S.	25	NW.	0	0	6	12	3	18	13	5	3	0	9	16	5	7	2	0	0	1	0	0	0	0	6	0
July	5.5	S.	20	SW.	0	0	11	12	0	16	18	3	2	0	22	7	2	0	0	0	0	0	0	0	13	0	1	0
August	4.1	S.	32	NW.	0	2	9	14	0	10	12	4	10	1	18	12	1	3	2	0	0	0	0	0	11	0	4	0
September	4.2	S.	21	S.	0	3	7	4	1	17	14	5	6	3	10	11	9	7	5	0	0	0	0	0	1	0	4	0
October	4.1	S.	22	SW.	0	6	14	4	0	22	8	6	2	0	8	9	14	6	4	3	2	0	2	0	0	9	0	0
November	3.8	S.	19	SW.	0	11	8	5	0	14	8	4	10	0	2	6	22	8	4	9	5	0	3	3	0	16	0	0
December	3.1	N.	14	S.	0	15	7	9	0	5	13	3	10	0	0	8	23	10	8	12	8	0	8	12	0	27	0	0
Year	4.8	S.	32	NW.	0	62	100	103	12	168	149	45	72	19	114	113	138	79	53	47	25	3	16	40	25	115	20	0

SPRINGFIELD, ILL.

[H_b=636 ft.; h_t=5 ft.; h_r=3 ft.; h_a=191 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	11.4	NW.	32	S.	0	9	7	2	4	11	12	7	10	0	10	6	15	14	13	14	6	0	2	20	0	29	0	0
February	12.3	S.	31	SE.	0	4	1	2	7	19	10	8	5	0	5	7	16	7	5	2	2	0	1	2	0	16	2	0
March	14.5	W.	42	NW.	3	9	6	5	5	10	3	13	11	0	9	13	9	7	5	7	4	0	0	1	0	20	0	0
April	12.0	S.	34	S.	2	5	7	6	8	12	7	2	13	0	10	12	8	6	5	0	0	0	0	0	2	0	2	0
May	12.2	S.	42	S.	2	3	6	3	4	20	12	6	8	0	12	12	7	9	6	0	0	0	0	0	0	0	6	0
June	10.8	S.	35	S.	2	6	3	3	6	16	6	7	12	1	8	13	9	10	8	0	0	0	0	0	4	0	5	0
July	9.3	SW.	37	NE.	2	13	2	3	10	7	12	8	7	0	12	17	2	7	5	0	0	0	0	0	18	0	6	0
August	8.2	NE.	43	N.	1	12	10	7	5	13	7	5	3	0	9	10	12	8	4	0	0	0	1	0	13	0	9	0
September	10.0	S.	46	SW.	3	4	6	7	4	23	7	5	4	0	15	5	10	8	8	0	0	0	1	0	2	0	6	0
October	10.1	SE.	34	S.	1	3	0	3	18	7	7	8	15	1	14	9	8	7	3	2	1	0	1	0	0	6	0	0
November	12.8	S.	32	NW.	0	5	2	0	14	19	8	6	6	0	13	10	7	8	5	4	3	0	6	3	0	11	0	0
December	11.2	NW.	42	NW.	1	6	4	3	6	9	13	9	12	0	10	6	15	3	2	11	1	0	0	6	0	22	0	0
Year	11.2	S.	46	SW.	17	79	54	44	91	166	104	84	106	2	127	120	118	94	69	40	17	0	12	32	39	104	36	0

Annual meteorological summary for the year ending December 31, 1930—Continued

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.	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	28.787	29.240	28.210	19.9	25.0	25.9	32.3	15.3	23.8	60	−17	17	20	19	88	82	78	0.108	0.115	0.115	5.27	1.05	5.2	5.8	5.8	6.0
February	28.633	29.050	28.300	41.2	50.4	50.1	55.8	37.7	46.8	76	21	36	36	35	84	60	59	.227	.228	.220	1.59	.72	4.2	4.0	3.6	4.5
March	28.551	29.110	27.967	36.2	47.7	48.8	54.1	34.5	44.3	68	14	28	28	26	73	50	44	.161	.168	.159	.77	.36	2.9	2.7	3.1	3.0
April	28.622	28.870	28.310	53.4	65.2	65.9	70.2	50.6	60.4	87	40	41	41	40	65	44	43	.270	.277	.268	1.04	.34	3.8	3.2	2.9	2.8
May	28.607	29.020	28.080	58.5	68.5	69.0	72.6	55.0	63.8	83	46	51	52	52	79	57	57	.391	.400	.406	4.40	1.27	3.0	2.6	3.5	2.7
June	28.601	28.810	28.427	66.6	76.1	77.2	80.0	62.7	71.4	92	50	57	58	58	73	56	53	.480	.494	.500	4.31	1.90	2.6	2.4	1.7	2.1
July	28.656	28.840	28.440	73.0	86.4	86.6	90.7	69.7	80.2	100	56	60	57	58	64	39	40	.524	.486	.490	.62	.35	2.0	1.4	1.8	1.1
August	28.652	28.850	28.450	71.2	84.6	84.0	89.1	68.7	78.9	101	60	58	56	56	64	39	42	.491	.456	.467	3.02	1.39	3.0	2.6	2.1	1.4
September	28.610	28.880	28.250	65.0	76.1	73.9	79.8	62.9	71.4	95	46	58	58	58	78	56	61	.500	505	.512	3.25	1.14	3.9	3.4	2.8	2.2
October	28.704	29.150	28.240	49.0	60.1	56.8	63.7	47.3	55.5	84	25	44	43	43	82	54	61	.310	.304	.303	3.05	1.26	3.9	4.1	3.5	3.2
November	28.697	29.130	27.992	39.0	50.7	49.0	55.4	37.1	46.2	78	20	33	33	33	78	53	56	.201	.209	.212	2.11	1.39	2.2	3.0	2.0	2.4
December	28.719	29.088	28.467	30.5	38.3	37.1	41.9	28.6	35.2	60	14	27	28	28	85	67	69	.146	.157	.155	1.30	.59	3.8	4.4	3.8	3.7
Year	28.653	29.240	27.967	50.3	60.8	60.4	65.5	47.5	56.5	101	−17	42	42	42	76	55	55	.317	.317	317	30.73	1.90	3.4	3.3	3.0	2.9

SYRACUSE, N. Y.

[ϕ=43° 02′ N.; λ=76° 09′ 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	29.539	30.166	28.990	25.3	28.3	----	33.9	18.7	26.3	58	1	19	21	---	78	73	---	0.117	0.120	----	2.74	0.57	8.3	7.9	----	8.1
February	29.401	29.867	28.970	27.0	32.7	----	38.2	21.6	29.9	65	−7	20	22	---	76	66	---	.124	.133	----	1.03	.26	7.1	6.2	----	6.9
March	29.135	29.870	28.420	30.4	36.5	----	40.4	26.8	33.6	59	13	22	25	---	72	65	---	.123	.145	----	4.18	1.55	6.8	7.0	----	7.2
April	29.369	29.764	28.540	42.2	48.2	----	53.2	36.8	45.0	78	23	33	36	---	70	67	---	.194	.225	----	2.43	1.17	6.2	7.1	----	6.4
May	29.344	29.680	28.840	58.7	64.0	----	69.2	51.0	60.1	90	38	46	46	---	64	55	---	.323	.327	----	3.39	.87	5.0	5.6	----	5.6
June	29.296	29.667	28.870	70.0	76.5	----	80.4	61.5	71.0	93	51	56	55	---	61	49	---	.456	.444	----	5.98	2.96	3.9	5.1	----	5.0
July	29.284	29.620	28.900	69.6	76.6	----	80.9	62.2	71.6	95	49	58	56	---	66	52	---	.480	.464	----	1.67	.40	4.6	5.1	----	5.1
August	29.367	29.699	29.110	67.2	76.5	----	80.8	60.8	70.8	96	48	56	55	---	68	49	---	.447	.430	----	1.57	1.10	5.5	5.1	----	5.4
September	29.339	29.622	28.930	63.2	72.5	----	75.8	57.2	66.5	90	44	53	52	---	70	50	---	.418	.409	----	3.20	1.27	4.8	4.7	----	5.1
October	29.437	29.784	28.950	46.3	55.7	----	59.6	42.8	51.2	82	32	40	43	---	78	62	---	.255	.294	----	1.30	.31	5.3	6.2	----	5.8
November	29.473	29.998	28.530	40.0	47.4	----	50.8	37.7	44.2	69	14	32	37	---	75	68	---	.199	.238	----	1.20	.43	7.4	6.9	----	7.4
December	29.378	29.970	28.820	28.3	31.5	----	34.0	24.4	29.2	45	5	24	26	---	82	80	---	.131	.144	----	1.80	.60	9.0	8.7	----	8.6
Year	29.363	30.166	28.420	47.4	53.9	----	58.1	41.8	50.0	96	−7	38	40	---	72	61	---	.272	.281	----	30.49	2.96	6.2	6.3	----	6.4

TACOMA, WASH.

[ϕ=47° 16′ N.; λ=122° 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	29.891	30.380	29.240	----	33.7	36.3	39.1	25.5	32.3	55	12	---	27	28	---	74	72	----	0.154	0.163	2.83	0.73	----	5.9	5.4	6.3
February	29.819	30.230	29.020	----	47.1	47.8	51.2	38.0	44.6	67	28	---	41	40	---	81	76	----	.263	.257	3.96	.77	----	7.9	7.4	7.6
March	29.884	30.240	29.420	----	48.3	52.1	53.8	39.7	46.8	68	33	---	39	38	---	67	61	----	.243	.238	2.47	1.27	----	6.3	6.3	6.0
April	29.791	30.050	29.420	----	56.3	58.2	60.6	44.8	52.7	70	37	---	44	43	---	65	59	----	.295	.281	2.16	.71	----	7.4	7.0	6.8
May	29.808	30.250	29.490	----	57.9	60.0	62.4	45.1	53.8	74	37	---	42	41	---	57	53	----	.272	.262	2.22	1.07	----	6.5	5.5	6.4
June	29.859	30.060	29.390	----	62.3	65.6	68.1	50.5	59.3	87	44	---	48	48	---	61	54	----	.338	.332	1.09	.62	----	7.1	6.2	6.1
July	29.901	30.070	29.690	----	66.9	71.2	72.9	53.5	63.2	88	46	---	51	51	---	57	49	----	.371	.370	.01	.01	----	5.6	3.6	4.5
August	29.846	30.030	29.620	----	68.4	73.9	75.1	55.4	65.2	86	49	---	54	53	---	61	49	----	.414	.400	.10	.05	----	3.5	3.0	3.6
September	29.802	29.990	29.500	----	62.1	64.6	66.1	52.5	59.3	81	38	---	52	51	---	70	63	----	.387	.377	.87	.71	----	5.5	4.4	6.2
October	29.861	30.240	29.250	----	53.5	55.3	57.8	42.8	50.3	66	34	---	46	46	---	78	72	----	.319	.316	2.01	.54	----	5.8	6.4	7.1
November	29.923	30.540	28.820	----	45.5	46.8	48.6	38.4	43.5	64	28	---	42	43	---	88	87	----	.272	.280	2.27	1.08	----	7.7	7.3	9.0
December	29.959	30.250	29.430	----	43.6	44.4	46.5	35.0	40.8	56	25	---	39	39	---	84	82	----	.237	.242	1.97	.38	----	7.4	7.5	8.5
Year	29.863	30.540	28.820	----	53.8	56.4	58.5	43.4	51.0	88	12	---	44	43	---	70	65	----	.297	.293	21.96	1.27	----	6.4	5.8	6.5

TAMPA, FLA.

[ϕ=27° 57′ N.; λ=82° 27′ 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	30.119	30.410	29.810	57.7	68.8	64.3	73.7	55.3	64.5	82	42	54	56	55	86	66	74	0.435	0.470	0.459	1.88	0.91	4.9	5.8	5.1	6.4
February	30.083	30.310	29.780	57.9	71.5	65.9	75.2	55.8	65.5	83	41	55	58	58	90	64	76	.445	.497	.486	3.34	2.19	3.3	4.1	4.0	4.3
March	29.955	30.260	29.500	59.1	67.2	63.5	70.8	56.0	63.4	80	39	54	54	54	82	64	72	.433	.439	.439	9.87	5.62	7.4	7.0	6.0	7.0
April	30.005	30.340	29.760	67.1	77.0	71.9	80.0	63.0	71.5	88	50	61	60	61	82	58	70	.554	.529	.550	3.84	2.94	4.9	5.4	4.8	5.3
May	30.009	30.190	29.610	74.0	83.5	77.8	87.2	68.4	77.8	92	63	67	65	66	80	55	68	.667	.627	.644	6.20	3.06	4.1	6.3	5.4	6.3
June	29.953	30.170	29.760	75.6	82.8	77.6	85.9	71.1	78.5	93	65	71	70	69	85	66	77	.754	.732	.722	9.06	4.67	6.8	7.6	6.9	7.1
July	30.021	30.170	29.860	80.7	87.9	81.5	90.9	75.7	83.3	94	71	74	70	72	79	56	75	.828	.744	.798	3.58	1.34	4.2	6.5	6.0	6.0
August	29.984	30.160	29.770	77.7	86.5	81.3	90.2	72.9	81.6	94	67	71	68	70	81	55	69	.766	.691	.729	7.13	2.06	3.7	5.9	5.8	5.8
September	29.959	30.160	29.668	77.6	87.0	79.0	89.3	73.6	81.4	94	70	73	72	72	87	61	81	.821	.771	.798	4.13	1.24	5.2	7.0	7.4	6.4
October	29.976	30.340	29.790	66.7	78.5	72.5	81.0	63.5	72.2	88	50	60	61	61	79	55	68	.528	.542	.546	1.17	.57	3.9	5.3	4.2	4.8
November	30.106	30.440	29.840	60.0	71.9	66.4	74.1	58.0	66.0	85	39	55	56	57	83	58	72	.463	.478	.491	.26	*1.07	5.8	6.2	4.6	6.1
December	30.061	30.450	29.850	52.0	61.7	56.5	64.4	49.0	56.7	76	37	48	51	49	87	69	78	.348	.367	.363	5.99	1.98	6.3	6.9	5.8	6.7
Year	30.019	30.450	29.500	67.2	77.0	71.5	80.2	63.5	71.9	94	37	62	62	62	83	61	73	.587	.576	.585	56.45	5.62	5.0	6.2	5.5	5.9

* Nov. 30-Dec. 1.

Annual meteorological summary for the year ending December 31, 1930—Continued

SPRINGFIELD, MO.

[H_b=1,324 ft.; h_t=98 ft.; h_r=66 ft.; h_a=104 ft.]

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorm	Aurora
	Miles		*Mi.*																									
January	9.0	S.	27	W.	0	9	10	4	6	12	3	10	8	0	10	6	15	12	11	8	4	1	3	16	0	27	1	0
February	10.1	S.	29	SW.	0	6	0	5	7	18	4	8	8	0	13	7	8	4	4	2	0	0	5	0	0	9	2	0
March	11.4	NW.	38	NW.	1	2	2	2	9	11	5	12	19	0	21	5	5	5	4	2	1	1	1	1	0	15	2	0
April	10.1	S.	35	SE.	2	5	8	6	13	13	4	4	7	0	19	7	4	12	9	0	0	0	1	0	0	0	5	0
May	9.8	S.	33	SE.	1	1	6	4	15	20	4	4	8	0	19	8	4	12	11	0	0	1	0	0	0	0	9	0
June	9.0	S.	35	NW.	1	2	3	1	17	12	8	4	12	1	22	5	3	5	5	0	0	0	0	0	3	0	6	0
July	7.1	SW.	22	N.	0	9	7	4	6	13	15	7	1	0	26	5	0	4	3	0	0	0	0	0	22	0	5	0
August	7.0	SE.	29	W.	0	0	12	6	13	15	7	7	2	0	27	4	0	6	6	0	0	0	0	0	15	0	8	0
September	8.5	S.	31	S.	0	3	6	7	19	15	4	3	3	0	21	7	2	7	7	0	0	0	0	0	2	0	5	0
October	8.3	SE.	28	SE.	0	8	3	1	25	10	1	5	8	1	20	5	6	7	5	0	0	0	2	0	0	2	2	0
November	11.2	SE.	40	SE.	2	6	1	3	18	12	5	4	11	0	21	5	4	6	6	1	0	0	3	0	0	10	1	0
December	8.4	NW.	24	NW.	0	3	7	1	12	3	13	7	16	0	19	3	9	10	8	7	5	0	2	5	0	22	0	0
Year	9.2	S.	40	SE.	7	54	65	44	160	154	73	75	103	2	238	67	60	90	79	20	10	3	17	22	42	85	46	0

SYRACUSE, N. Y.

[H_b=596 ft.; h_t=65 ft.; h_r=57 ft.; h_a=79 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	6.8	S.	21	SW.	0	2	0	8	6	19	7	10	10	0	1	9	21	19	13	17	11	0	0	19	0	26	0	0
February	6.6	S.	22	S.	0	5	1	11	3	11	10	9	6	0	7	6	15	14	9	16	12	0	2	12	0	22	0	0
March	8.2	W.	24	W.	0	5	1	11	2	7	13	12	11	0	6	6	19	17	14	19	8	0	0	5	0	25	0	0
April	7.0	W.	21	W.	0	1	3	11	6	6	5	21	7	0	8	7	15	12	12	8	6	0	0	0	0	8	0	0
May	6.8	W.	28	W.	0	6	0	5	6	7	9	25	4	0	11	8	12	15	8	0	0	0	0	0	0	0	3	0
June	6.3	S.	25	SE.	0	4	0	6	8	16	12	14	0	0	14	6	10	12	12	0	0	0	0	0	4	0	6	0
July	5.7	S.	19	SW.	0	5	0	2	3	10	9	19	14	0	10	11	10	9	7	0	0	0	0	0	5	0	5	0
August	4.9	S.	20	NW.	0	6	2	7	5	20	8	8	6	0	7	16	8	11	5	0	0	0	0	0	4	0	2	0
September	5.0	S.	18	NW.	0	2	0	5	4	30	8	9	2	0	11	10	9	11	10	0	0	0	0	0	0	0	5	0
October	4.7	S.	20	NW.	0	3	0	6	4	22	7	19	1	0	9	11	11	12	8	6	2	0	3	0	0	2	0	0
November	6.4	S.	23	S.	0	1	0	13	6	15	9	13	3	0	4	9	17	9	7	10	4	0	2	2	0	11	0	0
December	6.0	S.	19	NW.	0	2	0	9	4	20	7	13	7	0	2	4	25	16	14	17	11	0	0	8	0	26	0	0
Year	6.2	S.	28	W.	0	42	7	94	57	183	104	172	71	0	90	103	172	157	119	93	54	0	7	46	13	120	21	0

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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	7.4	N.	31	NE.	0	11	6	0	3	2	3	1	5	0	10	8	13	13	9	9	6	0	3	7	0	23	0	0
February	8.0	S.	42	S.	1	5	1	0	1	3	14	2	2	0	2	8	18	20	16	3	2	1	1	0	0	4	0	0
March	8.2	N.	34	SW.	2	16	1	1	0	3	8	2	0	0	8	9	14	9	7	0	0	1	2	0	0	0	1	0
April	7.2	N.	31	S.	0	9	0	0	1	0	12	4	4	0	3	15	12	14	11	0	0	0	0	0	0	0	1	0
May	8.1	SW.	38	SW.	1	12	1	0	0	2	9	6	1	0	7	11	13	13	8	0	0	2	2	0	0	0	1	0
June	7.6	N.	27	SW.	0	8	1	0	0	1	10	8	2	0	4	18	8	8	7	0	0	0	0	0	0	0	0	0
July	6.4	N.	29	SW.	0	19	0	0	0	0	3	7	2	0	10	18	3	1	0	0	0	0	0	0	0	0	0	0
August	5.3	N.	21	W.	0	21	0	0	0	1	2	7	0	0	16	11	4	3	2	0	0	0	0	0	0	0	2	0
September	6.4	N.	28	SW.	0	15	1	0	1	0	6	6	1	0	9	7	14	6	2	0	0	0	1	0	0	0	1	0
October	5.5	S.	30	S.	0	10	0	1	0	6	3	8	3	0	5	10	16	11	9	0	0	0	10	0	0	0	0	0
November	5.7	S.	36	S.	2	7	2	0	4	8	4	3	2	0	0	3	27	12	9	2	2	1	10	0	0	6	1	0
December	4.9	S.	27	S.	0	1	1	3	2	9	5	8	2	0	0	7	24	16	14	0	0	0	10	0	0	8	0	0
Year	6.7	N.	42	S.	6	134	14	5	12	35	79	62	24	0	74	125	166	126	94	14	10	5	39	7	0	41	7	0

TAMPA, FLA.

[H_b=35 ft.; h_t=79 ft.; h_r=71 ft.; h_a=197 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	10.9	N.	31	W.	0	16	12	9	5	5	3	3	9	0	8	9	14	8	4	0	0	0	5	0	0	0	2	0
February	9.9	N.	36	NE.	1	12	8	5	7	5	2	7	10	0	12	10	6	4	4	0	0	0	2	0	0	0	0	0
March	10.8	N.	34	SE.	2	12	7	7	8	6	8	6	8	0	6	4	21	14	12	0	0	0	0	0	0	0	5	0
April	10.3	E.	33	SE.	1	5	5	18	10	7	4	4	7	0	10	9	11	5	5	0	0	0	1	0	0	0	3	0
May	9.0	SE.	50	NE.	1	3	5	15	21	8	3	2	5	0	10	13	8	5	5	0	0	1	0	0	5	0	8	0
June	10.2	E.	32	S.	0	2	6	16	9	9	6	7	5	0	3	10	17	16	12	0	0	0	0	0	4	0	9	0
July	6.7	W.	34	N.	1	3	2	11	6	14	9	10	7	0	3	20	8	14	10	0	0	0	0	0	27	0	21	0
August	7.6	E.	44	NE.	2	6	8	11	11	5	5	6	9	1	7	18	6	14	12	0	0	0	0	0	18	0	14	0
September	8.5	E.	37	E.	4	3	8	20	13	4	1	5	6	0	3	19	8	19	13	0	0	0	0	0	19	0	20	0
October	10.8	NE.	28	E.	0	14	23	14	3	1	1	1	5	0	13	8	10	5	2	0	0	0	1	0	0	0	2	0
November	11.5	NE.	33	SE.	1	9	16	12	5	5	2	4	7	0	5	11	14	4	3	0	0	0	1	0	0	0	0	0
December	10.1	NW.	28	NW.	0	8	15	9	3	3	0	7	17	0	6	8	17	13	12	0	0	0	2	0	0	0	0	0
Year	9.7	E.	50	NE.	13	93	115	147	101	72	44	62	95	1	86	139	140	121	94	0	0	1	12	0	73	0	84	0

Annual meteorological summary for the year ending December 31, 1930—Continued

TATOOSH ISLAND, WASH.

[ϕ=48° 23′ N.; λ=124° 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	29.951	30.470	29.260	34.6	36.7	36.5	38.5	33.1	35.8	48	24	29	31	29	80	79	73	0.166	0.177	0.163	5.52	2.79	5.2	5.2	5.6	5.4
February	29.844	30.329	28.940	42.6	44.3	43.8	46.6	40.0	43.3	53	34	41	42	40	95	92	88	.262	.269	.251	15.80	3.82	6.1	7.4	6.1	7.6
March	29.975	30.326	29.475	43.2	47.0	46.2	49.3	41.2	45.2	61	33	40	41	40	88	81	81	.250	.266	.254	4.99	1.89	5.1	5.5	6.0	6.4
April	29.881	30.160	29.500	47.3	50.1	49.6	52.4	45.2	48.8	58	40	46	48	46	94	91	89	.308	.330	.316	7.13	2.23	7.5	7.5	8.0	8.5
May	29.919	30.346	29.470	47.4	50.4	50.6	52.6	46.3	49.4	59	41	46	48	47	94	91	88	.308	.332	.323	2.78	1.11	7.8	5.8	5.6	7.2
June	29.966	30.204	29.560	50.3	54.2	54.6	56.2	49.2	52.7	65	46	49	52	51	96	93	88	.350	.387	.371	3.54	1.55	7.6	6.9	5.9	7.4
July	30.034	30.190	29.840	51.3	54.9	55.6	57.5	50.5	54.0	65	46	51	52	52	98	90	88	.369	.386	.386	.48	.14	7.8	6.5	4.5	7.9
August	29.968	30.144	29.730	54.9	58.8	59.0	61.2	52.9	57.0	67	49	54	55	56	96	88	89	.413	.436	.443	.90	.38	5.8	4.9	2.9	6.1
September	29.895	30.080	29.540	52.2	55.6	55.2	57.5	50.2	53.8	66	45	52	52	52	98	90	91	.382	.397	.397	3.81	1.46	5.3	4.6	4.1	6.7
October	29.933	30.370	29.361	48.9	51.1	51.1	53.8	46.7	50.2	59	37	47	47	47	93	88	87	.324	.331	.328	14.54	5.91	5.2	6.2	4.7	6.7
November	29.983	30.642	28.908	45.6	47.9	47.0	49.9	43.9	46.9	59	36	44	45	44	93	89	90	.288	.298	.292	3.97	.71	5.4	7.0	6.5	7.3
December	30.035	30.360	29.450	45.4	47.0	45.9	49.0	43.7	46.4	56	39	42	43	42	89	87	88	.270	.281	.272	5.84	.94	5.9	7.7	8.8	8.4
Year	29.949	30.642	28.908	47.0	49.8	49.6	52.0	45.2	48.6	67	24	45	46	46	93	38	87	.308	.324	.316	69.30	5.91	6.2	6.3	5.7	7.1

TAYLOR, TEX.

[ϕ=30° 35′ 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	29.614	30.070	29.130	33.7	41.9	.....	46.1	28.9	37.5	71	0	30	31	...	84	67	...	0.188	0.199	.....	1.36	0.52	6.2	6.7	....	6.6
February	29.465	29.810	28.950	51.2	63.0	.....	68.2	48.5	58.4	83	34	47	49	...	86	64	...	.346	.366	.....	2.47	.82	6.0	4.7	....	5.1
March	29.434	30.000	28.830	48.9	60.7	.....	65.9	45.3	55.6	86	29	42	43	...	79	56	...	.297	.309	.....	2.61	1.01	6.0	5.5	....	5.4
April	29.405	29.680	29.130	61.1	79.0	.....	82.8	58.9	70.8	93	51	55	52	...	82	43	...	.444	.407	.....	.43	.43	5.0	3.6	....	3.9
May	29.365	29.750	28.970	68.1	76.6	.....	80.4	64.5	72.4	88	55	64	64	...	88	67	...	.620	.605	.....	6.48	1.89	6.6	5.9	....	5.9
June	29.374	29.550	29.170	72.0	86.5	.....	90.1	69.1	79.6	100	58	66	63	...	81	48	...	.645	.588	.....	.35	.15	4.4	3.1	....	3.6
July	29.443	29.570	29.250	75.1	91.7	.....	96.3	72.6	84.4	102	67	70	65	...	84	43	...	.730	.630	.....	.80	.70	2.8	2.7	....	2.7
August	29.418	29.540	29.190	74.9	92.6	.....	96.6	73.1	84.8	102	68	69	64	...	84	40	...	.722	.607	.....	1.35	.69	2.8	4.0	....	3.7
September	29.376	29.580	29.110	70.2	85.4	.....	89.7	68.4	79.0	98	54	66	64	...	86	49	...	.653	.601	.....	4.08	2.46	4.2	3.5	....	3.6
October	29.448	29.980	29.030	60.5	73.1	.....	76.7	57.8	67.2	88	40	56	56	...	86	57	...	.481	.478	.....	6.55	2.47	5.0	4.1	....	4.4
November	29.558	29.940	28.960	50.8	64.6	.....	67.6	48.2	57.9	82	29	44	45	...	80	53	...	.323	.337	.....	1.96	1.05	5.2	5.4	....	5.5
December	29.588	29.850	29.180	41.3	53.9	.....	57.5	38.7	48.1	71	29	36	40	...	82	60	...	.222	.259	.....	3.22	2.46	5.0	5.5	....	5.5
Year	29.457	30.070	28.830	59.0	72.4	.....	76.5	56.2	66.3	102	0	54	53	...	84	54	...	.473	.449	.....	31.66	2.47	4.9	4.6	....	4.7

TERRE HAUTE, IND.

[ϕ=39° 29′ 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	29.593	30.010	28.920	21.2	26.6	25.8	31.7	16.3	24.0	59	−15	19	20	21	90	77	80	0.121	0.125	0.125	8.23	1.49	6.1	6.4	5.5	6.5
February	29.436	29.840	29.020	36.9	44.6	44.0	49.2	34.6	41.9	70	12	31	34	34	79	66	68	.186	.208	.212	2.21	1.22	6.4	6.8	5.2	6.1
March	29.271	29.760	28.620	34.2	43.4	43.2	49.9	31.3	40.6	70	17	28	30	30	77	61	59	.157	.176	.172	1.07	.58	4.7	6.0	5.3	5.5
April	29.411	29.750	28.990	50.0	61.5	60.5	67.2	47.1	57.2	91	30	40	41	42	68	49	53	.263	.274	.284	2.12	.58	4.8	4.8	4.8	4.7
May	29.401	29.820	29.060	59.9	69.7	69.1	74.9	55.1	65.0	86	43	50	50	50	71	51	54	.377	.374	.380	1.28	.48	5.2	5.6	4.1	5.2
June	29.353	29.660	29.090	67.0	77.9	77.2	82.9	61.9	72.4	98	48	56	55	56	68	48	50	.464	.446	.463	1.97	.76	4.8	5.5	4.0	5.2
July	29.379	29.570	29.120	72.4	86.4	85.8	91.5	67.6	79.6	106	53	59	58	58	64	41	42	.520	.513	.510	1.25	.86	3.2	3.7	3.5	3.4
August	29.420	29.690	29.210	68.9	84.5	80.8	88.5	66.0	77.2	102	56	59	59	59	72	46	49	.510	.513	.512	1.68	1.24	4.8	5.6	5.5	5.4
September	29.383	29.642	28.980	62.7	75.4	72.6	80.4	60.2	70.3	90	45	56	55	58	78	52	61	.468	.465	.500	3.95	2.72	5.5	5.1	4.5	5.2
October	29.487	29.940	29.120	47.1	60.7	57.5	64.2	45.2	54.7	84	26	41	42	42	78	51	58	.285	.297	.300	1.73	1.13	4.5	3.9	3.5	4.0
November	29.504	30.070	28.800	39.9	48.1	46.0	52.8	36.5	44.6	77	4	34	36	36	80	64	69	.228	.237	.242	1.80	.87	5.5	5.0	3.6	5.3
December	29.492	30.031	29.110	29.7	35.0	33.4	38.9	26.3	32.6	57	12	25	27	27	83	72	76	.143	.153	.152	.75	.43	6.5	6.7	5.2	6.6
Year	29.428	30.070	28.620	49.2	59.5	58.0	64.3	45.7	55.0	106	−15	42	42	43	76	56	60	.310	.315	.321	28.04	2.72	5.2	5.4	4.6	5.3

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
January	29.901	30.260	29.470	46.2	58.5	54.7	62.9	43.5	53.2	77	26	43	44	46	87	62	73	0.304	0.335	0.337	5.70	1.52	6.0	6.1	4.6	6.1
February	29.848	30.080	29.500	49.3	65.2	60.8	69.2	47.9	58.6	81	34	43	44	46	79	50	60	.292	.313	.333	3.17	2.23	5.0	5.3	3.5	4.8
March	29.693	29.980	29.140	50.4	59.2	57.1	64.1	47.3	55.7	78	31	44	41	43	80	56	63	.316	.295	.306	10.92	6.00	6.7	6.7	5.8	6.6
April	29.765	30.130	29.440	61.1	74.0	70.1	78.0	57.2	67.6	86	47	53	50	52	76	47	56	.422	.389	.410	4.49	2.40	5.3	5.6	4.5	5.3
May	29.764	29.970	29.410	70.8	82.6	77.6	86.8	65.4	76.1	91	60	62	58	60	76	46	56	.574	.500	.523	1.29	.55	4.9	6.2	5.0	5.9
June	29.700	29.970	29.430	73.0	82.5	77.8	86.7	68.0	77.4	99	57	67	64	66	82	56	69	.674	.607	.652	5.15	1.64	5.3	6.2	6.6	6.1
July	29.738	29.910	29.470	76.9	87.0	82.4	91.7	72.1	81.9	102	68	73	70	72	87	60	78	.806	.747	.789	5.94	1.50	4.7	5.8	6.5	5.7
August	29.738	29.940	29.510	74.3	85.8	80.4	89.7	69.6	79.6	94	62	69	65	67	82	51	65	.706	.618	.672	2.99	1.36	4.1	4.8	5.0	5.0
September	29.724	29.920	29.580	73.7	84.7	76.7	87.9	70.3	79.1	93	65	70	69	70	90	60	82	.746	.712	.747	8.09	1.64	5.6	7.1	5.3	6.8
October	29.774	30.160	29.520	58.1	72.0	66.0	75.8	55.0	65.4	86	38	51	50	52	78	48	62	.396	.393	.413	.80	.70	4.4	4.5	3.1	4.3
November	29.876	30.244	29.510	52.2	62.8	59.1	66.0	50.2	58.1	77	30	47	49	49	83	64	71	.365	.392	.390	6.74	4.00	6.4	6.4	5.5	6.5
December	29.829	30.200	29.570	42.5	52.0	48.2	55.4	40.4	47.9	70	32	38	39	39	84	63	74	.240	.250	.249	2.34	.81	6.3	6.8	5.6	6.7
Year	29.779	30.260	29.140	60.7	72.2	67.6	76.2	57.2	66.7	10	26	55	54	55	82	55	67	.487	.463	.485	57.62	6.00	5.4	6.0	5.2	5.8

Annual meteorological summary for the year ending December 31, 1930—Continued

TATOOSH ISLAND, WASH.

[H_b=86 ft.; h_t=9 ft.; h_r=4 ft.; h_a=53 ft.]

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorm	Aurora
	Miles		*Mi.*																									
January	24.1	E.	72	E.	21	0	7	40	4	5	0	4	0	2	13	5	13	13	11	7	6	1	1	3	0	15	0	0
February	18.6	E.	53	S.	21	0	2	22	1	19	6	4	2	0	4	3	21	24	23	0	0	2	2	0	0	0	0	0
March	14.8	E.	48	E.	8	1	10	19	2	13	4	11	2	0	10	4	17	15	13	1	1	0	4	0	0	0	0	0
April	11.9	S.	58	S.	8	2	3	17	3	12	6	12	2	3	2	5	23	20	15	0	0	0	3	0	0	0	0	0
May	11.0	W.	39	S.	3	0	2	5	3	13	10	27	2	0	4	10	17	14	13	0	0	1	2	0	0	0	0	0
June	9.4	S.	35	S.	2	1	3	11	4	9	10	18	4	0	6	3	21	17	11	0	0	0	3	0	0	0	0	0
July	7.9	SW.	39	E.	1	0	2	2	1	22	16	16	0	3	1	9	21	10	5	0	0	0	13	0	0	0	1	0
August	7.1	SW.	37	S.	1	1	2	7	1	19	23	6	0	3	9	12	10	6	5	0	0	0	19	0	0	0	1	0
September	10.0	S.	37	E.	4	3	4	8	1	26	10	6	1	1	9	3	18	14	9	0	0	0	15	0	0	0	0	0
October	13.3	E.	44	E.	8	0	2	25	3	12	8	7	5	0	7	7	17	17	13	0	0	0	10	0	0	0	0	0
November	17.7	E.	50	S.	15	0	0	40	2	7	6	2	2	1	6	4	20	17	15	0	0	0	1	0	0	0	0	0
December	17.1	E.	50	E.	12	0	0	40	2	6	5	5	4	0	3	4	24	20	17	0	0	0	0	0	0	0	1	0
Year	13.6	E.	72	E.	104	8	37	236	27	163	104	118	24	13	74	69	222	187	150	8	7	4	73	3	0	15	3	0

TAYLOR, TEX.

[H_b=571 ft.; h_t=38 ft.; h_r=36 ft.; h_a=51 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	7.7	NW.	27	NW.	0	5	0	1	1	6	0	2	15	1	8	7	16	14	6	3	1	0	0	6	0	18	1	0
February	8.4	S.	26	S.	0	3	1	1	4	8	4	0	6	1	11	8	9	8	6	0	0	0	2	0	0	0	3	0
March	8.5	S.	26	N.	0	3	1	2	3	10	1	2	9	0	8	13	10	9	6	1	1	0	0	0	0	2	0	0
April	7.9	S.	26	SW.	0	0	0	0	8	9	8	1	3	1	16	8	6	2	2	0	0	0	1	0	2	0	4	0
May	7.4	SE.	28	SE.	0	6	3	0	9	8	2	0	3	0	9	7	15	13	9	0	0	0	0	0	0	0	8	0
June	7.7	SE.	23	SW.	0	2	1	4	5	13	3	0	1	1	17	9	4	5	4	0	0	0	0	0	14	0	2	0
July	6.7	S.	25	SE.	0	1	0	1	2	14	9	0	2	2	21	10	0	3	2	0	0	0	0	0	30	0	6	0
August	6.6	S.	26	SE.	0	2	0	0	3	17	4	2	3	0	15	13	3	3	2	0	0	0	0	0	28	0	3	0
September	6.5	S.	23	S.	0	9	0	1	1	13	1	1	4	0	15	14	1	6	5	0	0	0	0	0	17	0	6	0
October	6.1	SE.	24	SE.	0	7	5	6	3	6	0	1	3	0	12	11	8	10	8	0	0	0	1	0	0	0	1	0
November	6.3	N.	24	NW.	0	13	0	0	6	4	2	0	5	0	12	7	11	8	6	0	0	0	0	0	0	2	1	0
December	6.1	NW.	24	NW.	0	4	1	2	2	1	1	3	16	1	12	6	13	8	6	0	0	0	0	0	0	4	1	0
Year	7.2	S.	28	SE.	0	55	12	18	47	109	35	12	70	7	156	113	96	89	62	4	2	0	4	6	91	26	38	0

TERRE HAUTE, IND.

[H_b=575 ft.; h_t=96 ft.; h_r=86 ft.; h_a=129 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	8.7	S.	30	S.	0	12	4	5	2	14	7	5	13	0	8	6	17	15	14	9	5	0	2	17	0	26	1	0
February	9.0	S.	27	SW.	0	5	2	2	8	19	5	5	10	0	9	6	13	8	5	3	2	0	1	1	0	14	2	0
March	10.7	W.	36	W.	1	3	9	3	1	12	5	13	16	0	9	10	12	9	4	8	4	1	1	2	0	16	1	0
April	8.2	S.	31	S.	0	4	7	8	8	8	9	3	13	0	12	10	8	10	8	0	0	0	1	0	1	1	6	0
May	8.7	S.	32	W.	0	4	6	3	8	17	9	6	9	0	13	6	12	10	6	0	0	0	0	0	0	0	3	0
June	7.8	S.	34	S.	1	6	3	5	2	20	8	8	8	0	11	14	5	9	8	0	0	0	0	0	5	0	7	0
July	6.8	N.	23	N.	0	13	7	4	6	10	10	7	5	0	17	11	3	3	3	0	0	0	0	0	18	0	10	0
August	6.3	N.	33	NW.	1	14	14	6	2	11	3	4	8	0	11	9	11	9	6	0	0	0	0	0	12	0	8	0
September	7.0	S.	33	NW.	1	11	7	4	3	18	12	2	3	0	11	6	13	8	7	0	0	0	0	0	1	0	5	0
October	6.7	NW.	24	W.	0	6	4	9	12	7	6	8	10	0	16	7	8	5	3	0	0	0	1	0	0	5	1	0
November	8.8	S.	32	W.	0	3	1	3	13	19	8	6	7	0	14	1	15	12	10	4	3	0	1	3	0	12	0	0
December	8.0	S.	25	N.	0	6	6	1	5	13	8	11	12	0	8	5	18	8	4	10	5	0	0	6	0	22	0	0
Year	8.1	S.	36	W.	4	87	70	53	70	168	90	78	114	0	139	91	135	106	78	34	19	1	7	29	37	96	44	0

THOMASVILLE, GA.

[H_b=273 ft.; h_t=49 ft.; h_r=41 ft.; h_a=103 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	4.2	NE.	15	W.	0	10	13	11	1	8	4	1	12	2	8	11	12	13	11	2	0	0	2	0	0	6	3	0
February	3.9	NE.	22	SW.	0	4	16	10	0	12	5	1	6	2	11	7	10	6	4	0	0	0	1	0	0	0	1	0
March	7.1	NW.	21	W.	0	4	10	3	2	6	14	12	11	0	7	7	17	16	10	0	0	0	1	0	0	1	2	0
April	6.6	E.	24	SW.	0	4	7	13	5	11	9	2	7	2	9	10	11	7	6	0	0	1	0	0	0	0	4	0
May	5.8	SE.	19	SW.	0	3	3	12	11	18	10	1	3	1	5	15	11	5	5	0	0	0	0	0	5	0	6	0
June	6.4	E.	29	NE.	0	4	4	19	5	12	5	7	4	0	9	8	13	12	9	0	0	1	0	0	11	0	7	0
July	5.5	SW.	25	SW.	0	0	2	4	5	13	21	9	8	0	9	11	11	14	14	0	0	0	0	0	21	0	18	0
August	4.9	NE.	30	W.	0	3	14	10	3	9	7	7	6	3	11	13	7	6	6	0	0	0	0	0	17	0	8	0
September	4.9	SE.	26	W.	0	5	10	12	11	12	2	3	3	2	3	15	12	15	11	0	0	0	0	0	13	0	18	0
October	6.4	NE.	17	NW.	0	10	20	8	6	2	3	3	9	1	14	10	7	5	3	0	0	0	0	0	0	0	0	0
November	7.4	NE.	21	SE.	0	3	14	13	6	8	3	5	8	0	9	4	17	11	10	0	0	0	0	0	0	1	3	0
December	6.7	NW.	23	NW.	0	6	12	7	1	2	7	7	20	0	7	7	17	10	9	0	0	0	0	0	0	1	0	0
Year	5.8	NE.	30	W.	0	56	125	122	56	113	90	58	97	13	102	118	145	120	98	2	0	2	4	0	67	9	70	0

Annual meteorological summary for the year ending December 31, 1930—Continued

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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.499	30.010	28.810	21.4	26.2	24.9	30.6	16.8	23.7	53	−10	18	19	19	86	71	76	0.115	0.117	0.114	4.67	1.24	6.7	7.2	6.4	6.3
February	29.350	29.760	28.900	33.0	39.1	37.5	43.8	29.3	36.6	70	6	27	29	29	77	66	72	.161	.177	.175	1.71	.70	8.1	7.0	5.8	6.1
March	29.164	29.910	28.460	30.5	39.0	36.8	43.0	27.5	35.2	71	13	24	25	27	75	58	67	.132	.142	.149	2.76	1.12	4.9	5.5	5.3	5.0
April	29.353	29.720	28.730	43.5	54.5	51.2	58.3	39.2	48.8	87	29	35	38	38	73	56	63	.218	.246	.245	2.86	1.20	5.2	6.0	5.7	5.4
May	29.342	29.760	28.960	57.6	66.8	63.6	70.2	52.8	61.5	86	40	48	47	47	72	51	57	.349	.336	.336	1.05	.41	3.8	5.3	4.7	4.6
June	29.274	29.625	28.960	66.4	77.0	75.0	80.2	60.6	70.4	90	50	55	54	54	68	47	51	.442	.429	.435	1.76	.76	3.6	4.2	4.9	4.0
July	29.305	29.597	28.940	70.6	81.7	79.9	85.8	65.2	75.5	102	52	56	55	53	62	42	43	.470	.447	.425	.68	.59	4.1	3.2	2.8	3.0
August	29.368	29.660	29.140	66.8	78.6	76.2	82.0	63.6	72.8	96	54	54	52	55	66	43	50	.430	.407	.445	.86	*.89	4.0	4.7	4.9	4.3
September	29.327	29.610	28.820	60.2	71.8	69.1	75.3	57.3	66.3	88	42	52	51	52	75	52	57	.414	.421	.421	2.24	.71	4.3	4.1	2.8	3.9
October	29.431	29.810	28.990	45.4	55.7	52.6	58.6	43.5	51.0	77	27	39	39	40	78	55	64	.263	.270	.281	1.82	.85	4.5	5.1	5.0	5.1
November	29.430	30.050	28.780	38.0	47.5	43.6	50.5	35.1	42.8	70	7	32	33	33	78	58	67	.201	.213	.208	1.65	1.39	5.9	5.0	3.4	5.5
December	29.389	30.020	28.880	27.6	33.3	31.1	35.9	24.8	30.4	52	7	23	24	24	82	68	74	.130	.135	.134	.83	.33	7.5	7.0	6.9	7.1
Year	29.353	30.050	28.460	46.8	55.9	53.5	59.5	43.0	51.2	102	−10	39	39	39	74	56	62	.277	.278	.281	22.89	1.39	5.2	5.4	4.9	5.0

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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January				12.7			25.1	8.6	16.8	56	−13										0.91	0.36				5.1
February				38.3			57.2	36.1	46.6	83	7										.60	.39				4.0
March				33.5			54.9	31.6	43.2	77	12										.55	.48				3.7
April				49.8			71.7	48.5	60.1	93	30										4.52	2.70				4.8
May				57.4			73.7	54.0	63.8	88	43										3.89	1.30				4.4
June				66.4			82.3	62.5	72.4	97	50										4.73	2.34				4.0
July				73.8			93.9	70.9	82.4	104	54										1.57	.76				2.5
August				71.2			90.9	69.1	80.0	110	58										2.88	1.19				4.6
September				63.9			82.4	60.8	71.6	97	47										5.85	4.79				4.3
October				48.6			63.9	47.1	55.5	87	25										5.07	2.42				5.1
November				38.2			56.7	35.8	46.2	70	19										2.95	1.14				2.7
December				29.1			41.6	26.6	34.1	66	18										.37	.33				4.2
Year				48.6			66.2	46.0	56.1	110	−13										33.89	4.79				4.1

TRENTON, N. J.

[ϕ=40° 13′ N.; λ=74° 46′ 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	30.030	30.560	29.550	30.0	36.0	34.2	40.4	25.6	33.0	67	8	24	26	27	78	67	73	0.152	0.162	0.164	2.73	1.00	7.0	7.1	4.7	7.0
February	29.890	30.420	29.310	31.7	40.5	39.0	46.8	28.3	37.6	76	6	24	26	29	73	56	67	.146	.162	.176	3.81	1.91	5.8	6.2	4.2	5.7
March	29.604	30.312	28.820	35.6	45.7	42.9	50.8	31.3	41.0	73	18	26	26	28	68	46	55	.151	.154	.163	2.66	1.37	4.8	5.4	3.0	4.7
April	29.835	30.310	28.950	44.4	53.2	49.8	57.6	39.3	48.4	72	29	33	31	34	66	46	57	.204	.188	.206	1.74	1.00	4.5	6.1	5.9	5.8
May	29.782	30.180	29.390	60.1	69.6	65.7	74.0	52.8	63.4	93	42	47	45	46	64	45	53	.335	.321	.330	1.99	1.15	5.5	4.3	4.4	4.9
June	29.771	30.160	29.380	70.1	79.2	74.9	83.4	62.5	73.0	94	46	59	58	60	70	51	63	.520	.499	.539	4.25	2.67	5.1	5.1	4.4	5.0
July	29.722	29.978	29.460	72.5	81.9	76.4	85.6	65.5	75.6	101	56	63	61	63	73	51	65	.582	.552	.582	3.94	1.31	4.9	6.1	5.4	5.7
August	29.801	30.134	29.495	68.6	78.8	74.1	82.6	63.0	72.8	95	53	60	57	59	75	49	62	.527	.484	.517	3.30	2.54	4.7	4.9	4.7	4.9
September	29.800	30.150	29.460	66.6	77.5	70.6	80.2	61.3	70.8	90	49	58	56	58	76	50	66	.512	.491	.508	1.55	.61	5.4	4.8	4.5	5.1
October	29.870	30.230	29.450	48.7	59.7	55.4	63.3	44.8	54.0	80	31	41	39	42	75	49	60	.268	.260	.283	2.06	1.30	3.5	4.3	3.8	3.9
November	29.977	30.590	29.060	40.3	49.5	46.0	52.7	36.9	44.8	67	14	34	36	36	77	62	70	.218	.241	.243	2.19	.90	4.8	6.3	4.8	6.0
December	29.854	30.430	29.320	30.9	37.2	35.3	40.0	27.4	33.7	57	11	24	26	25	76	66	66	.139	.151	.142	2.38	1.78	6.0	6.4	6.3	6.3
Year	29.828	30.590	28.820	50.0	59.1	55.4	63.1	44.9	54.0	101	6	41	41	42	73	53	63	.313	.305	.321	32.62	2.67	5.2	5.6	4.7	5.4

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	27.396	27.780	26.880	2.8	14.1	12.5	19.9	−3.3	8.3	65	−30	−1	6	7	82	72	80	0.044	0.057	0.064	0.77	0.14	3.2	5.9	4.7	5.3
February	27.209	27.610	26.850	29.0	44.0	41.5	49.8	25.5	37.6	74	8	24	27	26	81	54	56	.131	.142	.144	.70	.39	4.5	5.7	5.4	5.8
March	27.251	27.890	26.690	24.0	38.0	38.4	44.5	21.1	32.8	71	0	20	23	24	82	58	59	.108	.126	.130	1.04	.32	4.5	5.1	4.8	5.0
April	27.258	27.540	26.980	41.2	57.9	59.7	64.3	39.2	51.8	90	14	36	37	38	82	53	51	.218	.233	.240	4.69	1.31	6.8	6.4	5.4	6.0
May	27.216	27.550	26.770	46.3	60.4	61.4	65.7	42.9	54.3	92	30	41	40	40	82	52	50	.261	.258	.254	3.82	1.34	7.4	6.0	5.7	6.3
June	27.217	27.571	26.710	57.2	74.0	75.8	79.7	53.4	66.6	102	39	50	48	48	78	43	42	.373	.348	.358	1.34	.51	3.7	3.6	2.7	3.4
July	27.290	27.577	26.973	66.3	86.6	87.8	91.8	62.6	77.2	104	48	56	55	53	70	38	33	.454	.449	.412	2.90	1.60	4.5	3.4	3.9	3.9
August	27.316	27.560	27.040	63.9	79.9	79.1	84.9	61.7	73.3	103	50	59	58	58	84	51	52	.500	.486	.483	2.31	1.51	6.1	6.0	5.2	5.9
September	27.263	27.610	26.830	51.2	72.5	71.2	78.5	48.6	63.6	94	34	44	45	44	79	40	41	.309	.315	.307	.54	.33	3.8	3.5	4.6	3.7
October	27.311	27.720	26.870	39.0	55.5	50.4	59.3	36.4	47.8	88	18	34	34	35	82	48	57	.225	.224	.227	2.88	1.42	4.0	5.5	5.2	5.2
November	27.298	27.850	26.510	28.9	42.5	37.5	47.7	23.7	35.7	73	11	22	25	24	75	54	61	.117	.132	.125	1.26	.91	5.5	4.4	4.6	5.0
December	27.364	27.740	27.080	22.1	32.9	29.3	36.7	19.0	27.8	52	9	19	24	24	87	68	78	.100	.128	.125	.18	.09	4.9	5.6	4.3	5.2
Year	27.282	27.890	26.510	39.3	54.9	53.7	60.2	35.9	48.1	104	−30	34	35	35	80	53	55	.237	.242	.239	22.43	1.60	4.9	5.1	4.7	5.1

* Aug. 31–Sept. 1.

Annual meteorological summary for the year ending December 31, 1930—Continued

TOLEDO, OHIO

[H_b=628 ft.; h_t=208 ft.; h_r=201 ft.; h_a=243 ft.]

Month	Wind: By self-register: Average hourly velocity	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 33 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: Thunderstorm	Electricity: Aurora
	Miles		*Mi.*																									
January	12.5	SW.	37	W.	2	5	4	4	2	11	20	9	7	0	10	6	15	19	17	15	9	0	1	19	0	27	0	0
February	12.9	SW.	37	SW.	2	3	1	4	2	12	17	9	8	0	9	8	11	15	8	12	9	0	0	4	0	18	0	0
March	14.1	W.	37	NW.	3	7	7	4	0	6	14	18	6	0	13	5	13	12	8	12	9	0	0	2	0	26	1	0
April	11.8	NW.	39	W.	2	4	8	9	3	8	7	9	12	0	11	7	12	11	9	2	1	0	0	0	0	4	2	0
May	11.9	SW.	43	SW.	3	8	2	11	0	9	16	8	8	0	12	13	6	9	5	0	0	0	0	0	0	0	5	0
June	12.0	SW.	45	W.	3	7	0	2	1	13	16	13	8	0	16	10	4	11	6	0	0	0	0	0	1	0	7	0
July	10.1	SW.	33	SW.	2	13	2	10	4	2	16	7	8	0	17	13	1	5	3	0	0	0	0	0	9	0	4	0
August	9.2	N.	31	W.	0	15	4	5	2	5	15	8	8	0	15	8	8	11	5	0	0	0	0	0	7	0	6	0
September	11.1	SW.	46	SW.	2	6	3	5	1	8	20	9	8	0	16	8	6	8	8	0	0	0	0	0	0	0	3	0
October	9.4	W.	31	W.	0	7	4	10	3	11	13	10	4	0	13	7	11	8	5	4	1	0	3	0	0	7	3	0
November	12.2	SW.	34	W.	2	2	0	10	3	10	24	7	4	0	11	8	11	6	2	7	3	0	3	3	0	10	0	0
December	11.4	SW.	32	W.	0	9	2	5	0	8	18	14	6	0	8	5	18	15	8	14	12	0	0	11	0	22	0	0
Year	11.6	SW.	46	SW.	21	86	37	79	21	103	196	121	87	0	151	98	116	130	84	66	44	0	7	39	17	114	31	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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	9.0	N.	28	SW.	0	10	0	2	2	2	6	7	2	0	11	11	9	10	8	12	8	0	0	23	0	29	0	0
February	9.8	SW.	31	SW.	0	3	2	2	3	3	8	2	4	1	14	9	5	3	2	1	1	0	0	0	0	10	1	0
March	11.4	NW.	35	NW.	2	2	2	3	2	2	5	7	8	0	17	8	6	2	2	3	0	0	0	2	0	19	0	0
April	9.0	E.	31	SW.	0	3	4	6	5	1	5	3	2	1	12	10	8	13	12	0	0	1	0	0	2	1	9	0
May	9.8	SW.	30	SW.	0	0	5	2	3	7	6	1	7	0	14	7	10	9	8	0	0	1	0	0	0	0	7	0
June	9.2	SW.	38	NW.	2	2	2	4	2	9	5	1	5	0	14	10	6	9	5	0	0	0	0	0	5	0	10	0
July	8.1	SW.	26	NE.	0	2	3	4	1	3	16	0	1	1	21	7	3	7	5	0	0	1	0	0	20	0	8	0
August	6.8	SW.	31	SE.	0	1	3	7	6	5	6	1	1	1	11	16	4	9	7	0	0	0	1	0	15	0	10	0
September	7.5	SW.	35	W.	1	2	0	4	5	4	6	2	3	4	13	10	7	10	7	0	0	3	2	0	6	0	9	0
October	7.8	S.	30	N.	0	2	1	3	3	8	3	7	4	0	12	7	12	11	7	2	1	0	0	0	0	4	1	0
November	10.4	S.	44	NW.	1	2	0	1	3	10	5	5	4	0	19	6	5	5	4	2	0	0	0	1	0	11	2	0
December	7.5	W.	27	NW.	0	2	3	1	1	3	6	9	6	0	17	5	9	2	2	8	1	0	3	2	0	28	0	0
Year	8.9	SW.	44	NW.	6	31	25	39	36	57	77	45	47	8	175	106	84	90	69	28	11	6	0	28	48	102	57	0

TRENTON, N. J.

[H_b=190 ft.; h_t=159 ft.; h_r=105 ft.; h_a=183 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	8.3	NW.	32	NW.	0	5	12	4	1	10	6	9	13	2	8	5	18	9	7	9	5	0	3	8	0	21	0	0
February	8.8	SW.	29	NW.	0	11	5	2	2	4	12	10	10	0	9	7	12	11	9	8	3	0	3	3	0	20	0	0
March	12.0	NW.	38	NW.	4	8	3	4	1	7	11	12	16	0	11	13	7	10	7	6	0	0	1	2	0	15	0	0
April	10.3	NW.	42	W.	2	5	6	8	4	5	7	8	17	0	8	9	13	10	9	2	0	0	2	0	0	3	2	0
May	9.7	NW.	35	SW.	1	11	4	5	2	3	11	8	15	3	13	10	8	8	6	0	0	0	0	0	2	0	4	0
June	8.9	SW.	31	SE.	0	6	2	2	6	10	17	6	11	0	10	12	8	11	8	0	0	0	0	9	4	0	5	0
July	7.5	SW.	47	NW.	2	9	5	5	4	8	13	5	12	1	10	10	11	12	10	0	0	1	1	0	7	0	10	0
August	7.6	SW.	44	NE.	1	14	9	2	8	9	11	1	4	4	11	15	5	7	7	0	0	0	1	0	6	0	2	0
September	7.1	SW.	37	W.	2	8	4	5	8	10	14	5	5	1	11	11	8	12	7	0	0	0	1	0	1	0	4	0
October	8.4	NW.	38	NW.	1	15	8	3	1	8	5	2	16	4	18	4	9	8	6	0	0	0	2	0	0	1	3	0
November	9.3	NE.	35	NE.	1	3	14	5	3	8	12	5	9	1	9	9	12	11	8	3	0	0	3	2	0	11	2	0
December	9.5	NW.	35	NW.	1	5	10	2	0	1	10	12	22	0	9	8	14	8	5	12	1	0	0	3	0	21	0	0
Year	9.0	NW.	47	NW.	15	100	82	47	40	83	129	83	150	16	127	113	125	117	89	40	9	1	17	18	20	92	32	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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	6.1	W.	24	NW.	0	11	1	1	2	3	3	23	14	4	10	12	10	7	21	10	0	0	24	0	31	0	0
February	7.5	W.	28	NW.	0	3	1	6	2	2	4	20	14	4	4	15	9	6	4	9	5	0	0	3	0	21	0	0
March	8.3	N.	30	NW.	0	17	2	2	3	2	4	17	12	3	13	7	11	11	5	15	10	0	1	5	0	29	0	0
April	8.1	E.	30	N.	0	13	1	14	11	6	2	10	2	1	7	10	13	13	1	1	1	0	3	0	1	4	6	0
May	10.5	N.	36	S.	2	13	4	11	2	9	7	4	10	2	6	11	14	14	11	2	2	1	0	0	1	1	6	0
June	8.6	W.	40	SW.	3	11	0	6	11	8	3	14	7	0	17	9	4	9	6	0	0	1	0	0	4	0	5	0
July	7.2	S.	36	W.	1	12	4	3	5	17	8	10	3	0	14	14	3	5	4	0	0	1	0	0	20	0	6	1
August	6.9	W.	22	SW.	0	3	5	9	8	11	7	14	4	1	4	17	10	13	9	0	0	0	1	0	9	0	4	0
September	7.0	W.	36	SW.	1	12	2	11	2	9	8	9	7	0	12	16	2	5	2	1	0	0	1	0	3	0	2	3
October	7.8	W.	30	NW.	0	10	4	4	4	10	3	18	9	0	11	10	10	8	5	4	2	0	3	1	0	14	2	0
November	9.0	W.	53	N.	3	9	1	3	3	2	9	17	16	0	14	5	11	7	2	9	6	0	0	4	0	28	0	0
December	7.2	W.	30	SW.	0	4	2	5	1	1	6	28	15	0	13	7	11	6	2	9	6	0	2	9	0	31	0	1
Year	7.8	W.	53	N.	10	118	27	75	54	80	64	184	113	15	125	133	107	107	68	71	42	3	11	46	38	159	31	5

Annual meteorological summary for the year ending December 31, 1930—Continued

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	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	29.959	30.430	29.490	40.2	48.5	48.0	53.7	36.8	45.2	75	11	35	35	34	82	60	60	0.244	0.248	0.234	3.79	0.99	6.8	6.2	5.7	6.0
February	29.843	30.170	29.320	50.0	61.8	61.2	66.5	48.0	57.2	80	30	43	43	42	78	53	52	.302	.308	.289	2.72	1.20	5.8	4.5	3.2	4.5
March	29.736	30.230	29.080	48.6	58.5	58.0	62.6	46.3	54.4	71	31	41	41	39	76	56	54	.279	.289	.269	4.15	1.01	5.4	6.9	5.6	6.1
April	29.785	30.140	29.550	59.7	74.5	73.8	79.2	58.2	68.7	86	48	49	48	49	70	41	45	.371	.348	.370	.20	.12	5.1	4.5	3.8	3.8
May	29.758	30.070	29.492	67.2	78.0	76.2	82.1	64.1	73.1	87	55	62	62	62	83	60	64	.561	.568	.569	10.54	3.67	5.8	5.5	5.9	4.9
June	29.728	29.973	29.485	71.5	84.8	84.7	88.9	68.2	78.6	98	55	63	62	63	76	48	48	.591	.580	.583	.03	.03	2.3	3.4	1.6	2.1
July	29.756	29.920	29.520	76.3	89.5	86.8	94.5	74.2	84.4	102	67	69	70	69	79	53	57	.716	.730	.709	.68	.48	3.8	3.2	5.5	3.7
August	29.760	29.940	29.570	73.9	88.4	84.9	92.4	72.0	82.2	99	62	66	66	64	78	49	53	.657	.653	.611	3.41	2.09	3.2	4.0	5.9	3.7
September	29.730	29.950	29.540	70.1	82.6	77.4	86.3	68.0	77.2	96	55	67	66	67	89	59	71	.663	.666	.666	2.93	1.35	6.1	5.1	7.0	5.4
October	29.819	30.320	29.500	57.3	70.7	67.0	74.3	55.4	64.8	87	36	51	51	52	81	53	61	.407	.409	.423	1.94	.92	4.8	4.5	3.3	4.1
November	29.987	30.354	29.380	49.5	60.4	59.1	64.7	47.6	56.2	83	29	44	44	46	82	59	64	.319	.327	.343	5.13	1.61	5.6	4.9	5.3	5.2
December	29.900	30.150	29.490	40.6	49.6	48.5	53.6	38.5	46.0	67	26	36	35	35	84	60	61	.222	.213	.211	4.10	2.03	5.5	5.9	5.8	6.0
Year	29.805	30.430	29.080	58.7	70.6	68.8	74.9	56.4	65.7	102	11	52	52	52	80	54	58	.444	.445	.440	39.62	3.67	5.0	4.9	4.9	4.6

WALLA WALLA, WASH.

[ϕ=46° 2′ N.; λ=118° 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	29.146	29.870	28.370	13.3	16.3	16.5	21.2	9.0	15.1	59	−15	8	9	12	80	74	83	0.070	0.076	0.080	1.13	0.30	7.6	7.5	6.3	7.0
February	28.952	29.320	28.320	42.8	48.0	48.3	52.0	37.6	44.8	69	28	33	32	35	70	57	62	.187	.189	.204	1.87	.54	7.1	8.8	8.2	8.2
March	28.980	29.420	28.525	41.8	51.4	54.2	56.2	38.9	47.6	73	26	31	32	32	66	48	44	.177	.181	.183	1.24	.66	6.2	5.9	5.5	5.7
April	28.885	29.220	28.540	48.9	63.0	66.6	68.9	47.5	58.2	80	40	38	37	37	66	40	37	.228	.223	.230	.68	.20	4.6	6.5	5.5	5.6
May	28.855	29.340	28.570	50.3	63.0	66.4	69.2	48.0	58.6	84	37	39	38	37	65	41	37	.242	.229	.227	2.85	1.21	6.4	5.7	5.6	5.8
June	28.910	29.150	28.550	55.0	74.7	76.7	78.4	53.1	65.8	95	46	42	40	39	61	33	27	.266	.250	.239	.58	.51	3.9	4.2	3.1	3.7
July	28.897	29.082	28.734	64.2	82.7	87.8	90.2	63.2	76.7	107	51	43	42	40	47	24	20	.285	.267	.258	.02	.02	2.4	1.7	2.2	2.1
August	28.887	29.120	28.640	64.6	82.1	87.2	89.5	63.2	76.4	101	53	44	44	43	49	27	23	.296	.294	.289	.14	.08	2.1	3.3	3.6	3.5
September	28.866	29.200	28.560	56.9	70.9	74.2	76.7	54.2	65.4	96	46	41	41	41	58	38	35	.265	.267	.264	1.33	1.04	4.8	5.5	5.0	5.1
October	29.007	29.350	28.388	45.5	54.9	56.5	58.9	42.3	50.6	75	33	39	40	40	78	58	56	.240	.253	.258	1.00	.65	5.3	5.4	4.8	5.5
November	29.125	29.780	27.980	38.0	43.5	43.9	46.9	35.1	41.0	65	28	33	35	36	83	73	75	.193	.204	.212	1.64	.95	8.2	7.8	7.7	7.9
December	29.241	29.570	28.830	31.0	34.1	33.6	36.7	28.7	32.7	52	20	29	29	30	91	82	87	.156	.160	.166	.74	.30	6.2	7.5	7.2	8.2
Year	28.979	29.870	27.980	46.0	57.0	59.3	62.1	43.4	52.7	107	−15	35	35	35	68	50	49	.217	.216	.218	13.22	1.21	5.4	5.8	5.4	5.7

WASHINGTON, D. C.

[ϕ=38° 54′ N.; λ=77° 3′ 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	30.131	30.670	29.620	31.6	38.1	37.6	43.4	27.9	35.6	70	6	26	28	27	78	67	64	0.160	0.174	0.167	2.85	0.94	6.9	6.8	4.9	6.7
February	29.993	30.460	29.460	36.1	45.7	44.3	51.6	32.2	41.9	84	7	28	29	29	73	54	56	.173	.178	.176	1.64	.77	5.7	5.4	4.6	5.2
March	29.729	30.420	29.000	38.4	48.0	47.3	55.3	34.7	45.0	75	21	28	27	27	65	44	47	.163	.159	.166	2.26	1.16	4.5	4.7	2.4	4.3
April	29.931	30.355	29.110	47.1	56.5	55.8	63.3	43.0	53.2	91	34	38	36	37	72	49	53	.238	.224	.240	3.12	2.17	4.7	5.9	4.7	5.5
May	29.898	30.250	29.510	62.5	72.8	69.3	78.3	56.3	67.3	95	45	49	47	47	64	42	48	.365	.334	.342	1.81	.73	3.4	4.7	4.2	4.3
June	29.866	30.290	29.456	71.0	80.8	77.3	86.2	64.0	75.1	97	45	59	57	60	67	46	57	.518	.482	.525	3.19	1.65	3.8	4.9	3.9	4.0
July	29.819	30.100	29.520	74.4	85.2	82.0	91.6	69.3	80.4	106	56	64	60	62	70	44	52	.606	.532	.564	2.30	.87	4.0	4.8	4.9	4.3
August	29.886	30.220	29.610	69.9	82.0	79.2	87.8	65.9	76.8	102	55	59	55	58	69	41	50	.510	.440	.497	.62	.37	5.3	4.7	5.0	4.8
September	29.887	30.164	29.550	69.1	81.2	76.8	87.0	65.1	76.0	98	52	60	56	59	74	43	56	.546	.479	.530	.76	.52	5.1	4.1	3.3	4.6
October	29.985	30.380	29.540	49.2	62.0	56.9	66.3	46.0	56.2	84	31	41	38	40	74	42	54	.281	.257	.277	.28	.19	3.3	4.2	3.1	4.4
November	30.080	30.710	29.290	41.7	49.9	47.9	54.2	39.2	46.7	71	14	34	35	35	76	59	63	.231	.242	.240	.79	.23	5.9	6.3	4.9	6.5
December	29.982	30.545	29.430	31.8	38.7	36.6	42.1	29.3	35.7	56	15	24	24	24	74	56	60	.136	.137	.134	2.04	1.04	5.6	5.7	5.6	6.1
Year	29.932	30.710	29.000	51.9	61.7	59.2	67.3	47.7	57.5	106	6	42	41	42	71	49	55	.327	.303	.322	21.66	2.17	4.8	5.2	4.3	5.0

WAUSAU, WIS.

[ϕ=44° 57′ N.; λ=89° 35′ 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	28.746	29.340	28.040	5.1	12.5	----	16.0	0.7	8.4	42	−26	----	----	----	----	----	----	----	----	----	0.77	0.44	6.6	6.6	----	7.2
February	28.590	29.080	28.090	18.4	28.0	----	31.6	14.1	22.8	58	−20	----	----	----	----	----	----	----	----	----	2.08	1.01	7.2	6.8	----	7.1
March	28.512	29.190	28.060	22.7	33.7	----	38.1	20.5	29.3	68	4	----	----	----	----	----	----	----	----	----	.90	.53	6.1	5.7	----	5.6
April	28.692	28.930	28.250	37.3	52.8	----	57.8	34.6	46.2	78	22	----	----	----	----	----	----	----	----	----	1.55	1.30	4.1	5.1	----	4.9
May	28.622	29.150	28.120	50.9	63.0	----	66.8	45.6	56.2	86	31	----	----	----	----	----	----	----	----	----	2.24	.93	5.3	6.9	----	6.5
June	28.567	28.834	28.180	60.4	73.6	----	77.6	56.4	67.0	89	46	----	----	----	----	----	----	----	----	----	9.61	5.19	6.2	6.1	----	5.9
July	28.663	28.910	28.280	63.6	79.0	----	83.9	58.8	71.4	96	45	----	----	----	----	----	----	----	----	----	1.96	.57	4.5	4.8	----	4.6
August	28.751	29.040	28.450	59.6	79.8	----	83.4	57.0	70.2	94	46	----	----	----	----	----	----	----	----	----	1.56	.64	3.9	4.9	----	5.1
September	28.614	29.050	27.880	51.7	68.8	----	72.7	48.8	60.8	87	30	----	----	----	----	----	----	----	----	----	2.10	.94	5.4	4.2	----	5.4
October	28.717	29.170	28.290	41.2	50.5	----	53.1	39.4	46.2	82	19	----	----	----	----	----	----	----	----	----	2.89	1.31	7.1	7.1	----	7.1
November	28.649	29.230	27.840	31.4	41.4	----	45.5	27.9	36.7	63	−6	----	----	----	----	----	----	----	----	----	1.21	.68	7.2	5.2	----	6.2
December	28.671	29.296	28.177	18.8	24.0	----	27.5	14.0	20.8	49	−5	----	----	----	----	----	----	----	----	----	.28	.10	7.8	6.2	----	7.0
Year	28.650	29.340	27.840	38.4	50.6	----	54.5	34.8	44.7	96	−26	----	----	----	----	----	----	----	----	----	27.15	5.19	6.0	5.8	----	6.0

Annual meteorological summary for the year ending December 31, 1930—Continued

VICKSBURG, MISS.

[H_b=247 ft.; h_t=65 ft.; h_r=58 ft.; h_a=73 ft.]

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorm	Aurora
	Miles		*Mi.*																									
January	7.1	N.	20	NW.	0	13	13	4	15	7	1	2	7	0	10	7	14	13	11	4	2	0	0	2	0	13	0	0
February	6.7	S.	23	S.	0	6	8	5	17	14	5	0	1	0	12	9	7	8	8	0	0	0	2	0	0	1	2	0
March	7.1	NW.	27	NW.	0	3	2	12	9	12	3	8	13	0	9	7	15	11	8	1	0	0	0	0	0	1	4	0
April	6.2	SE.	21	NW.	0	7	4	13	20	11	5	0	0	0	15	9	6	5	2	0	0	0	0	0	0	0	1	0
May	5.8	S.	24	SW.	0	6	11	3	18	12	7	5	0	0	11	12	8	10	9	0	0	0	0	0	0	0	7	0
June	5.0	E.	15	NW.	0	8	4	16	8	5	8	5	6	0	25	4	1	1	0	0	0	0	0	0	0	13	0	1
July	4.6	W.	22	SE.	0	4	3	1	4	14	19	11	6	0	17	13	1	2	2	0	0	0	0	0	0	27	0	10
August	5.0	SE.	26	W.	0	4	12	8	15	10	3	10	0	0	16	11	4	7	6	0	0	0	0	0	0	22	0	9
September	5.1	SE.	21	S.	0	5	14	7	18	4	5	5	2	0	9	12	9	10	9	0	0	0	0	0	0	13	0	11
October	5.6	E.	18	S.	0	13	13	22	7	3	0	0	3	1	15	9	7	8	5	0	0	0	1	0	0	0	0	0
November	6.2	SE.	27	SE.	0	8	9	8	14	7	2	2	10	0	11	8	11	13	10	0	0	0	3	0	0	2	1	0
December	5.5	N.	18	SE.	0	14	5	11	4	2	6	7	13	0	11	4	16	10	8	0	0	0	2	0	0	5	0	0
Year	5.8	SE.	27	NW.	0	91	98	110	149	101	64	55	61	1	161	105	99	98	78	5	2	0	8	2	75	22	46	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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	3.2	S.	26	W.	0	4	4	0	18	12	12	8	4	0	7	5	19	10	7	16	7	0	0	24	0	27	0	0
February	4.8	S.	22	W.	0	2	2	2	4	30	7	8	1	0	0	8	20	13	9	5	3	0	0	0	0	6	0	0
March	5.0	S.	27	W.	0	1	4	3	5	27	11	10	0	1	11	7	13	8	6	1	1	1	0	0	0	6	0	0
April	4.1	S.	21	SE.	0	6	1	3	8	25	6	9	2	0	9	10	11	11	6	0	0	0	0	0	0	0	3	1
May	4.5	S.	19	W.	0	4	2	5	6	25	10	9	1	0	10	9	12	10	8	0	0	1	0	0	0	0	4	0
June	4.3	S.	17	W.	0	4	3	3	6	23	6	13	2	0	17	9	4	5	1	0	0	1	0	0	4	0	1	0
July	3.7	W.	12	W.	0	3	2	1	8	27	5	15	1	0	25	2	4	1	0	0	0	1	0	0	16	0	1	0
August	3.5	S.	16	SE.	0	2	2	1	14	19	7	14	1	2	16	12	3	5	1	0	0	0	0	0	14	0	6	0
September	3.1	S.	16	SW.	0	3	2	1	7	16	15	10	3	3	12	6	12	6	3	0	0	0	1	0	2	0	4	1
October	2.7	S.	22	W.	0	3	2	1	3	30	10	6	3	4	12	7	12	9	6	0	0	1	0	0	0	0	0	0
November	2.8	S.	24	S.	0	1	1	1	6	23	12	11	2	3	5	4	21	8	5	5	2	1	1	2	0	12	0	0
December	2.7	S.	15	W.	0	6	5	3	10	15	8	9	4	2	1	10	20	11	5	5	2	0	10	12	0	24	0	0
Year	3.7	S.	27	W.	0	39	30	24	95	272	109	122	24	15	125	89	151	97	57	32	15	6	12	38	36	75	19	2

WASHINGTON, D. C.

[H_b=112 ft.; h_t=62 ft.; h_r=42 ft.; h_a=85 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	5.0	S.	26	N.	0	11	5	6	5	9	6	2	17	1	10	5	16	11	7	8	5	0	5	7	0	21	0	0
February	5.5	NW.	28	NW.	0	4	4	5	5	12	5	1	13	7	12	5	11	7	6	3	1	0	0	1	0	11	1	0
March	7.8	NW.	32	NW.	0	3	2	3	4	10	14	5	21	0	15	9	7	6	4	3	0	0	0	0	0	8	0	0
April	7.0	NW.	35	NW.	1	7	6	8	6	5	7	3	15	3	10	11	9	6	6	2	0	0	0	0	1	0	2	0
May	5.7	NW.	25	NW.	0	1	3	1	6	10	14	3	21	3	14	12	5	8	6	0	0	0	0	0	2	0	3	0
June	4.9	SW.	22	NW.	0	1	4	1	7	9	24	0	11	3	13	13	4	8	6	0	0	0	0	0	9	0	5	0
July	4.6	SW.	20	NW.	0	9	3	3	3	9	19	0	11	5	14	13	4	8	7	0	0	0	0	0	18	0	8	0
August	4.4	NW.	20	NW.	0	9	2	3	8	8	12	2	12	6	10	15	6	5	4	0	0	0	0	0	10	0	2	0
September	3.5	S.	22	NW.	0	7	1	4	6	10	11	2	4	15	11	15	4	4	3	0	0	0	0	0	12	0	4	0
October	4.6	NW.	34	NW.	1	10	7	2	1	4	5	2	18	13	17	5	9	4	2	0	0	0	1	0	0	1	0	0
November	5.3	NW.	28	NW.	0	3	5	8	4	10	8	3	14	5	10	3	17	12	6	1	0	0	0	2	0	11	0	0
December	6.1	NW.	30	NW.	0	7	3	3	2	6	8	2	25	6	9	7	15	7	5	5	3	0	1	3	0	18	0	0
Year	5.4	NW.	35	NW.	2	72	45	47	57	102	133	25	182	67	145	113	107	86	62	22	9	0	7	13	52	70	25	0

WAUSAU, WIS.

[H_b=1,247 ft.; h_t=4 ft.; h_r=4 ft.; h_a=62 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	5.7	W.	18	W.	0	6	3	0	2	6	2	8	4	0	5	8	18	7	5	18	7	0	0	27	0	31	0	0
February	5.5	W.	24	W.	0	1	2	4	5	4	1	6	4	1	8	2	18	12	8	14	11	0	2	17	0	25	1	0
March	7.1	N.	21	N.	0	8	1	2	3	4	1	6	6	0	12	7	12	5	4	8	3	0	0	8	0	30	1	0
April	6.2	N.	26	N.	0	5	1	5	4	5	2	1	7	0	15	6	9	5	3	2	0	0	1	0	0	11	2	0
May	6.6	S.	21	SE.	0	4	1	5	5	5	2	1	8	0	7	7	17	7	6	0	0	0	0	0	0	2	5	1
June	5.6	S.	30	SW.	0	8	0	0	2	10	1	4	5	0	10	9	11	15	11	0	0	0	0	0	0	0	11	0
July	4.8	N.	40	NW.	1	9	1	0	6	7	1	3	4	0	16	10	5	8	6	0	0	0	0	0	10	0	9	0
August	4.1	N.	15	W.	0	11	2	3	2	5	0	2	4	2	11	11	9	8	5	0	0	0	0	0	4	0	6	0
September	5.6	W.	23	NW.	0	5	1	3	5	5	1	6	1	3	11	9	10	9	7	0	0	0	0	0	0	2	4	0
October	6.0	SE.	24	W.	0	5	1	2	10	3	0	8	2	0	8	4	19	6	6	5	0	0	2	2	0	10	0	0
November	7.1	S.	21	W.	0	3	1	0	7	8	3	2	5	1	7	11	12	6	4	6	2	0	0	7	0	17	0	0
December	5.1	W.	18	NW.	0	3	0	2	5	3	1	7	10	0	9	3	19	5	4	10	5	0	0	24	0	31	0	0
Year	5.8	N.	40	NW.	1	68	14	26	56	65	15	54	60	7	119	87	159	93	69	63	28	0	5	85	14	159	39	1

Annual meteorological summary for the year ending December 31, 1930—Continued

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
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	28.749	29.170	28.217	15.1	20.8	21.8	27.0	11.1	19.0	56	−12	11	12	15	84	68	74	0.079	0.079	0.088	1.24	0.50	5.6	5.1	4.5	5.6
February	28.540	29.044	28.094	40.3	53.6	54.2	59.2	37.9	48.6	82	20	33	34	36	76	50	52	.199	.203	.221	T.	T.	4.0	3.5	3.4	4.2
March	28.521	29.200	27.880	34.8	48.3	50.6	55.5	32.6	44.0	76	16	25	24	24	67	42	39	.149	.141	.143	.22	.17	3.9	4.0	3.3	4.2
April	28.518	28.810	28.020	51.8	68.7	69.7	73.3	50.7	62.0	91	34	40	40	39	68	41	41	.270	.276	.269	1.68	.67	4.9	4.1	4.8	5.0
May	28.503	28.950	28.010	57.0	69.9	68.8	73.0	54.7	63.8	86	44	52	52	53	84	56	61	.400	.407	.414	5.02	2.10	4.6	4.0	4.7	4.7
June	28.485	28.850	28.220	67.1	80.5	80.9	84.3	64.5	74.4	101	53	59	57	59	76	50	50	.504	.492	.519	2.36	1.88	3.8	3.7	3.5	3.9
July	28.558	28.810	28.331	72.4	88.8	91.2	93.7	70.9	82.3	104	60	60	58	58	66	38	35	.524	.488	.493	1.06	.52	3.9	2.9	2.0	3.2
August	28.557	28.830	28.309	71.3	87.0	87.5	91.8	69.6	80.7	105	61	61	60	60	72	42	43	.545	.518	.530	2.96	.64	3.4	2.8	2.1	3.4
September	28.508	28.890	28.110	64.8	78.7	77.4	83.8	62.0	72.9	94	44	57	55	57	77	48	53	.491	.456	.503	5.29	3.09	4.6	3.4	3.1	4.0
October	28.621	29.070	28.120	56.2	61.1	59.2	65.5	48.6	56.6	86	29	44	44	45	80	57	62	.320	.326	.332	2.55	.84	5.8	4.1	4.8	4.8
November	28.614	29.130	27.860	40.0	53.3	50.9	57.0	37.1	47.0	71	25	33	35	35	75	52	56	.199	.224	.219	3.05	1.18	2.3	3.4	2.9	3.1
December	28.687	29.080	28.390	30.5	39.0	37.9	42.6	28.5	35.6	59	19	26	30	30	82	72	74	.142	.170	.168	.58	.42	3.0	4.6	3.5	3.9
Year	28.572	29.200	27.860	49.6	62.5	62.5	67.1	47.4	57.2	105	−12	42	42	43	76	51	53	.318	.315	.325	26.01	3.09	4.2	3.8	3.6	4.2

WILLISTON, N. DAK.

[ϕ=48° 9′ 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	28.157	28.660	27.720	−5.1	1.6	0.2	5.5	−9.8	−2.2	38	−28	−8	−4	−6	85	73	74	0.032	0.038	0.036	0.17	0.14	4.9	4.6	3.1	5.3
February	27.890	28.380	27.490	19.8	27.9	27.2	32.8	14.8	23.8	56	−15	16	19	21	84	70	76	.102	.116	.124	1.24	.59	3.9	4.4	5.3	4.7
March	27.991	28.636	27.383	19.9	32.1	31.8	37.5	16.5	27.0	54	−6	16	20	19	85	60	60	.095	.109	.108	.06	.06	3.4	3.5	3.3	3.3
April	27.974	28.339	27.590	39.7	56.0	57.7	61.8	38.2	50.0	79	19	32	33	32	75	45	42	.188	.197	.189	1.96	.84	4.1	4.0	4.3	4.2
May	27.929	28.360	27.330	44.0	56.6	59.0	62.6	39.9	51.2	86	27	35	35	36	73	49	47	.213	.214	.217	1.29	.59	4.3	4.9	4.3	4.5
June	27.877	28.290	27.290	55.9	69.3	69.9	74.3	52.4	63.4	88	42	48	48	48	77	50	49	.348	.348	.338	2.32	.88	3.5	4.8	4.6	4.3
July	27.971	28.340	27.660	62.5	82.4	84.8	87.3	58.6	73.0	100	47	52	50	50	68	35	32	.389	.381	.369	.56	.33	3.1	3.3	2.4	3.0
August	28.026	28.334	27.655	60.1	78.8	81.1	84.3	58.4	71.4	98	43	50	50	49	70	41	36	.362	.373	.355	2.17	1.36	4.3	3.1	3.5	3.7
September	27.942	28.322	27.190	45.6	64.3	63.3	68.9	43.8	56.4	86	26	40	42	41	82	46	46	.265	.284	.272	.65	.29	2.8	3.2	3.1	3.2
October	28.026	28.470	27.490	32.2	45.4	43.0	49.5	29.4	39.4	70	11	29	31	31	86	58	62	.169	.184	.182	.66	.32	5.6	4.3	4.3	4.9
November	28.039	28.620	27.170	23.2	33.3	31.1	39.0	18.0	28.5	66	2	19	22	22	83	65	70	.104	.120	.119	.61	.41	4.8	4.1	4.8	4.6
December	28.032	28.430	27.670	20.8	27.2	25.9	31.3	16.6	24.0	46	3	17	20	21	84	74	79	.094	.108	.108	.05	.03	3.8	5.7	3.9	4.7
Year	27.988	28.660	27.170	34.9	47.9	47.9	52.9	31.4	42.2	100	−28	29	30	30	79	56	56	.197	.206	.202	11.74	1.36	4.0	4.2	3.9	4.2

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
January	30.151	30.640	29.740	43.8	53.3	48.8	57.6	40.1	48.8	75	25	42	44	44	92	74	83	0.287	0.315	0.304	3.69	1.18	5.1	6.3	5.2	6.1
February	30.074	30.421	29.580	45.8	59.2	53.2	63.3	43.0	53.2	81	25	39	42	43	78	53	69	.255	.279	.293	.38	.30	3.0	3.1	2.8	3.3
March	29.851	30.260	29.200	48.1	57.4	52.8	60.8	43.4	52.1	72	27	42	46	43	79	68	71	.282	.330	.297	2.98	1.24	5.5	5.5	4.2	5.4
April	29.980	30.410	29.420	59.0	70.7	63.2	73.7	53.7	63.5	92	41	52	56	54	78	62	73	.404	.470	.432	1.62	.82	3.0	3.3	4.6	3.8
May	29.990	30.196	29.640	69.9	78.8	71.2	80.9	63.8	72.4	89	50	63	61	62	79	56	75	.587	.552	.572	1.51	.96	4.8	4.8	4.6	4.7
June	29.948	30.330	29.630	73.6	81.1	75.5	83.1	67.2	75.2	93	54	67	66	69	81	63	80	.675	.657	.704	3.89	1.18	4.9	5.4	4.8	5.4
July	29.910	30.131	29.680	78.9	87.6	79.2	90.1	73.1	81.6	98	65	73	73	73	83	63	82	.820	.814	.812	7.48	3.65	4.6	4.7	5.3	5.5
August	29.950	30.200	29.650	72.9	82.6	76.2	85.1	68.3	76.7	95	57	68	65	68	84	56	76	.688	.627	.695	1.56	.99	4.7	4.7	3.9	4.9
September	29.966	30.220	29.726	74.5	83.4	76.4	86.2	70.9	78.6	91	63	70	69	71	88	63	84	.751	.709	.768	5.82	1.99	5.0	6.4	3.9	6.0
October	30.010	30.360	29.660	55.7	68.1	61.8	70.5	51.8	61.2	85	37	48	46	50	76	47	68	.359	.342	.391	1.86	.99	3.8	3.6	2.5	4.1
November	30.129	30.706	29.510	48.4	59.1	54.0	62.0	45.0	53.5	78	26	42	44	45	77	58	72	.298	.317	.329	1.92	1.03	5.5	5.2	4.3	5.7
December	30.022	30.600	29.650	39.9	49.2	45.8	52.6	36.5	44.6	68	26	35	37	36	82	64	69	.215	.232	.228	4.55	1.11	5.5	5.7	5.4	5.7
Year	29.998	30.706	29.200	59.2	69.2	63.2	72.1	54.7	63.4	98	25	53	54	55	81	61	75	.468	.470	.485	37.26	3.65	4.6	4.9	4.2	5.0

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	25.588	26.100	25.146	13.2	27.0	26.6	30.3	9.0	19.6	56	−21	11	18	18	93	68	71	0.076	0.096	0.103	2.29	0.44	4.4	5.8	6.5	5.7
February	25.668	25.970	25.210	30.0	44.5	45.2	48.7	26.8	37.8	65	11	27	31	30	87	61	56	.144	.175	.164	.61	.29	3.3	5.1	6.1	4.7
March	25.595	25.950	25.080	30.1	51.5	52.2	55.2	28.2	41.7	72	17	24	28	25	79	42	38	.129	.151	.136	.68	.53	2.5	3.5	4.2	3.2
April	25.572	25.920	25.300	37.6	62.6	64.0	67.5	35.2	51.4	80	23	26	28	27	63	30	27	.143	.155	.148	.34	.17	3.3	5.7	5.4	4.6
May	25.524	25.900	25.150	41.2	60.1	59.8	64.6	38.5	51.6	84	28	34	34	34	77	43	45	.196	.201	.197	2.54	.83	5.3	6.4	6.3	5.0
June	25.581	25.790	25.300	48.2	77.2	78.4	81.8	46.6	64.2	95	36	32	33	31	56	21	20	.183	.191	.177	.06	.03	0.9	1.9	2.0	1.5
July	25.625	25.820	25.420	56.4	86.7	86.5	91.2	54.3	72.8	100	46	34	36	34	45	18	17	.200	.216	.201	.04	.04	1.8	2.3	2.9	2.2
August	25.646	25.890	25.480	54.9	82.8	81.7	87.5	53.1	70.3	94	44	41	43	42	61	27	28	.270	.289	.278	.38	.22	3.5	3.5	4.1	3.7
September	25.581	25.870	25.312	45.2	72.6	70.3	76.4	41.0	58.7	89	29	30	33	36	59	27	35	.171	.191	.217	1.06	.58	2.2	3.1	4.3	2.4
October	25.652	25.960	25.179	31.3	60.0	58.6	64.2	27.8	46.0	75	15	24	28	28	75	30	32	.139	.156	.153	.26	.21	2.0	2.8	3.1	2.1
November	25.752	26.190	24.980	22.9	46.8	43.8	52.0	18.9	35.4	71	1	16	24	24	77	47	42	.093	.132	.127	1.28	.74	1.3	3.0	2.6	2.6
December	25.807	26.070	25.520	15.1	35.4	32.8	40.3	11.2	25.8	55	−4	12	21	22	90	53	62	.079	.111	.118	.06	.06	1.8	3.1	3.9	2.8
Year	25.633	26.190	24.980	35.5	58.9	58.3	63.3	32.6	47.9	100	−21	26	30	29	72	39	40	.152	.172	.168	9.60	.83	2.7	3.8	4.2	3.6

Annual meteorological summary for the year ending December 31, 1930—Continued

WICHITA, KANS.

[H_b=1,358 ft.; h_t=139 ft.; h_r=132 ft.; h_a=158 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 number of	Wind: By self-register: Days with 33 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: Thunderstorm	Electricity: Aurora
	Miles		*Mi.*																									
January	10.7	N.	40	S.	1	17	14	0	4	21	0	1	5	0	10	10	11	8	6	12	8	0	2	19	0	29	0	0
February	12.4	S.	40	S	4	8	9	2	2	29	1	1	4	0	12	11	5	0	0	1	0	0	3	0	0	8	0	0
March	12.3	N.	40	S.	3	19	6	1	3	18	1	4	10	0	16	7	8	2	2	2	0	0	1	1	0	17	1	0
April	11.7	S.	48	SW.	2	9	5	3	12	21	6	2	2	0	10	12	8	7	5	0	0	0	0	0	1	0	5	0
May	12.5	S.	35	S.	4	6	10	3	3	30	3	2	5	0	15	6	10	12	10	0	0	0	0	0	0	0	8	0
June	12.5	S.	38	S.	3	6	7	1	7	35	2	1	1	0	13	13	4	5	5	0	0	0	0	0	10	0	6	0
July	11.4	S.	29	SW.	0	5	8	4	5	37	3	0	0	0	20	8	3	6	6	0	0	0	0	0	20	0	5	0
August	9.5	S.	34	NW.	2	1	1	6	9	40	3	2	0	0	19	10	2	9	7	0	0	0	0	0	19	0	10	0
September	10.5	S.	42	SW.	1	4	8	6	10	25	2	3	2	0	13	14	3	10	8	0	0	1	1	0	8	0	11	0
October	10.2	S.	36	SW.	1	13	9	3	7	26	1	0	3	0	14	7	10	7	6	0	0	0	0	0	0	1	2	0
November	11.8	S.	38	S.	1	7	1	2	6	30	5	2	7	0	18	8	4	5	3	1	0	0	0	0	0	11	2	0
December	8.5	N.	30	S.	0	18	6	3	2	17	3	4	9	0	16	6	9	5	3	3	3	0	1	3	0	25	0	0
Year	11.2	S.	48	SW.	22	113	84	34	70	329	30	22	48	0	176	112	77	76	61	19	11	1	8	23	58	91	50	0

WILLISTON, N. DAK.

[H_b= 1,878 ft.; h_t=41 ft.; h_r=33 ft.; h_a=48 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 number of	Wind: By self-register: Days with 33 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: Thunderstorm	Electricity: Aurora
January	6.8	W.	25	W.	0	8	4	3	7	4	3	21	11	1	11	9	11	3	1	11	3	0	0	30	0	31	0	4
February	6.6	W.	33	NW.	1	7	3	3	6	11	6	13	7	0	12	8	8	7	6	8	7	0	2	11	0	25	0	2
March	7.6	W.	30	NW.	0	11	1	2	6	5	8	17	12	0	18	8	5	1	1	8	1	0	1	7	0	30	0	2
April	8.0	SE.	33	NW.	1	5	8	6	15	7	5	7	6	1	15	8	7	12	6	1	1	0	2	0	0	5	1	0
May	9.0	SE.	34	NW.	2	9	5	7	12	6	5	5	13	0	14	10	7	8	6	2	2	0	0	0	0	1	1	0
June	8.2	W.	37	NW.	4	3	3	4	10	3	6	14	12	5	13	10	7	12	12	0	0	0	0	0	0	0	8	1
July	5.9	NE.	32	NW.	0	5	12	8	4	3	11	6	10	3	19	10	2	10	4	0	0	1	0	0	13	0	8	0
August	5.2	SE.	20	NE.	0	13	16	7	11	6	3	2	4	0	19	5	7	9	7	0	0	0	0	0	10	0	2	0
September	6.6	W.	32	W.	0	5	5	7	12	4	6	15	6	0	19	8	3	7	4	0	0	0	1	0	0	4	4	1
October	7.2	NW.	37	W.	2	6	6	5	11	6	5	6	15	2	12	10	9	7	5	5	0	0	2	5	0	18	0	5
November	6.7	W.	36	NW.	1	6	6	4	5	5	7	15	10	2	16	5	9	5	3	8	4	0	1	12	0	28	0	4
December	6.2	W.	27	W.	0	2	1	1	6	10	16	16	9	1	14	8	9	2	0	7	2	0	0	17	0	31	0	0
Year	7.0	W.	37	W.	11	80	70	57	105	70	81	137	115	15	182	99	84	83	55	50	20	1	9	82	23	173	24	19

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	Wind: By self-register: Prevailing direction	Wind: By self-register: Maximum velocity	Wind: By self-register: Direction at time of maximum velocity number of	Wind: By self-register: Days with 33 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: Thunderstorm	Electricity: Aurora
January	5.5	N.	19	NE.	0	18	13	3	0	7	5	7	6	3	10	6	15	14	12	2	1	0	7	0	0	8	1	0
February	6.0	SW.	24	SW.	0	10	7	6	5	4	17	3	4	0	18	5	5	2	2	0	0	0	0	0	0	2	0	0
March	7.7	W.	26	W.	0	4	7	3	0	7	19	20	2	0	11	9	11	12	9	0	0	0	1	0	0	2	2	0
April	6.6	SW.	29	SW.	0	4	10	10	3	8	11	12	2	0	15	11	4	8	5	0	0	0	0	0	1	0	0	0
May	6.4	SW.	18	W.	0	5	4	6	3	6	21	16	1	0	12	12	7	6	3	0	0	0	1	0	0	0	6	0
June	6.0	SW.	26	W.	0	3	1	10	6	11	15	11	3	0	10	12	8	14	9	0	0	0	2	0	5	0	9	0
July	5.8	SW.	24	S.	0	4	6	3	4	7	21	16	1	0	8	15	8	20	18	0	0	0	1	0	17	0	15	0
August	5.2	SW.	15	NE.	0	17	7	5	4	3	18	4	4	0	11	12	8	7	3	0	0	0	4	0	9	0	4	0
September	4.8	SW.	19	W.	0	7	9	6	1	5	16	15	0	1	6	14	10	12	11	0	0	0	2	0	5	0	11	0
October	5.2	N.	18	N.	0	26	16	2	0	5	5	6	1	1	17	7	7	4	3	0	0	0	1	0	0	0	1	0
November	5.8	N.	24	W.	0	16	18	1	1	4	6	8	4	2	10	6	14	8	7	0	0	0	4	0	0	3	0	0
December	5.6	N.	21	SW.	0	16	10	1	1	3	7	13	10	1	10	7	14	10	9	2	0	0	0	0	0	11	0	0
Year	5.9	SW.	29	SW.	0	130	108	56	28	70	161	131	38	8	138	116	111	117	91	4	1	0	23	0	37	26	49	0

WINNEMUCCA, NEV.

[H_b=4,344 ft.; h_t=18 ft.; h_r=6 ft.; h_a=56 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 number of	Wind: By self-register: Days with 33 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: Thunderstorm	Electricity: Aurora
January	6.6	NE.	31	NW.	0	4	24	4	0	4	20	5	0	1	7	14	10	17	14	19	17	0	3	21	0	31	0	0
February	5.8	SW.	30	W.	0	2	16	4	1	4	21	5	3	0	8	16	4	8	5	10	5	0	1	0	0	20	0	0
March	6.3	NE.	29	NW.	0	6	16	1	0	14	11	5	9	0	16	13	2	5	4	7	4	0	1	0	0	26	1	0
April	6.1	SW.	26	W.	0	3	9	2	0	5	22	14	4	1	12	13	5	6	3	2	2	1	0	0	0	9	1	0
May	6.0	SW.	34	W.	1	0	13	0	3	11	25	3	7	0	9	9	13	14	11	3	2	1	0	0	0	3	4	0
June	5.9	SW.	28	S.	0	5	17	0	1	7	17	12	1	0	25	4	1	2	0	0	0	0	0	0	5	0	1	0
July	5.2	SW.	22	NW.	0	1	14	1	1	6	26	9	4	0	22	6	3	2	0	0	0	0	0	0	18	0	1	0
August	4.5	SW.	29	W.	0	3	10	3	2	10	24	8	2	0	17	10	4	8	3	0	0	0	0	0	10	0	10	0
September	4.9	SW.	26	NW.	0	4	17	1	1	11	14	9	3	0	18	7	5	8	6	0	0	1	0	0	0	2	4	0
October	5.0	NE.	26	SW.	0	12	19	0	1	3	14	7	6	0	18	10	3	4	1	0	0	0	0	0	0	23	0	0
November	6.2	NE.	36	SW.	1	10	33	3	1	1	9	1	2	0	21	5	4	4	3	5	3	0	1	1	0	29	0	0
December	5.6	NE.	22	NW.	0	4	43	4	0	3	5	2	1	0	17	11	3	1	1	2	1	0	0	5	0	31	0	0
Year	5.7	NE.	36	SW.	2	54	231	23	11	79	208	80	42	2	190	118	57	79	51	48	34	3	6	27	33	174	22	0

Annual meteorological summary for the year ending December 31, 1930—Continued

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
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	27.777	28.180	27.430	31.0	39.3	36.0	44.8	26.5	35.6	71	8	26	29	28	82	67	72	0.160	0.177	0.171	1.65	0.63	6.0	6.5	5.2	6.5
February	27.692	27.960	27.190	34.6	46.4	43.1	52.5	30.8	41.6	71	10	28	31	30	76	57	60	.165	.188	.176	.88	.67	5.3	4.8	2.9	4.1
March	27.466	27.952	26.900	34.9	45.1	41.8	51.1	29.8	40.4	65	9	26	27	28	70	51	58	.151	.159	.161	2.05	1.05	5.5	4.7	2.6	4.8
April	27.668	28.030	27.100	46.9	59.8	56.6	64.7	41.7	53.2	85	26	36	35	37	69	44	50	.229	.227	.235	1.40	.60	4.9	5.0	4.0	4.3
May	27.705	27.930	27.370	58.7	69.8	63.8	73.6	50.6	62.1	85	39	51	48	50	76	48	63	.384	.348	.374	2.45	.74	4.8	5.1	5.2	4.5
June	27.687	28.060	27.389	63.5	74.8	70.1	78.6	53.8	66.2	92	37	54	51	53	71	46	57	.423	.388	.414	.91	.25	2.9	4.5	3.8	3.8
July	27.682	27.870	27.460	69.2	81.2	77.0	85.8	60.7	73.2	95	52	59	56	57	72	45	53	.511	.458	.476	2.66	1.65	4.6	5.5	4.5	4.7
August	27.715	27.950	27.540	62.8	77.2	70.5	81.2	56.0	68.6	93	44	56	53	56	78	45	63	.453	.414	.470	2.13	.63	3.7	4.7	4.3	4.4
September	27.713	27.983	27.480	62.6	74.8	68.1	78.4	57.7	68.0	90	44	58	57	58	84	56	73	.487	.485	.505	1.09	.31	5.6	5.6	5.4	6.0
October	27.725	28.010	27.460	43.5	57.3	52.0	61.5	39.0	50.2	76	18	38	39	40	82	53	63	.251	.262	.264	1.10	.39	4.4	4.5	3.3	4.5
November	27.770	28.210	27.150	36.0	45.8	42.4	49.8	32.1	41.0	71	6	31	32	32	82	64	69	.203	.215	.210	2.16	.99	5.4	5.9	5.5	6.4
December	27.655	28.060	27.286	26.6	33.5	30.7	37.0	22.4	29.7	55	1	22	24	24	81	69	76	.124	.134	.133	2.88	1.29	7.5	6.6	5.8	6.4
Year	27.688	28.210	26.900	47.5	58.8	54.3	63.2	41.8	52.5	95	1	40	40	41	77	54	63	.295	.288	.299	21.36	1.65	5.0	5.3	4.5	5.0

YAKIMA, WASH.

[ϕ=46° 36′ N.; λ=120° 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	29.060	29.790	28.250	11.8	20.7	20.5	24.5	6.9	15.7	52	−15	4	7	8	71	54	57	0.059	0.065	0.067	0.52	0.24	5.5	5.5	4.7	5.5
February	28.864	29.250	28.192	33.9	43.4	45.2	48.9	30.7	39.8	64	23	28	30	31	81	59	59	.155	.166	.174	1.19	.45	4.2	6.5	7.5	7.0
March	28.902	29.400	28.400	39.1	54.7	56.0	59.3	36.1	47.7	80	28	28	26	26	64	32	33	.157	.143	.149	.20	.11	4.9	4.9	4.8	4.7
April	28.802	29.140	28.450	44.8	63.5	66.9	69.2	42.7	56.0	80	33	34	33	32	67	34	29	.200	.195	.187	.08	.03	4.5	5.4	6.2	5.6
May	28.776	29.220	28.529	49.4	65.8	67.1	70.5	46.5	58.5	82	36	34	30	31	56	28	28	.197	.175	.180	.41	.25	5.1	5.6	5.4	5.4
June	28.842	29.090	28.540	52.6	71.7	73.6	77.1	50.7	63.9	90	40	39	36	38	62	28	29	.243	.218	.227	.44	.14	3.3	4.6	4.9	4.2
July	28.836	29.002	28.670	62.3	83.6	86.9	90.0	60.9	75.4	103	51	43	38	40	49	21	20	.275	.239	.253	.02	.02	2.0	1.5	2.4	2.1
August	28.820	29.070	28.575	62.6	84.0	87.7	89.5	60.7	75.1	102	54	45	43	40	53	24	20	.300	.279	.257	T.	T.	1.6	2.2	2.5	2.5
September	28.792	29.090	28.520	52.9	72.8	73.8	76.8	50.6	63.7	92	37	42	42	42	69	35	34	.275	.272	.273	.15	.14	2.7	3.8	4.0	3.7
October	28.922	29.290	28.240	39.5	57.9	57.6	61.8	36.0	48.9	80	24	33	34	35	77	42	46	.189	.203	.211	.24	.12	2.7	4.1	4.6	4.4
November	29.044	29.690	27.930	32.5	43.6	43.0	46.3	30.2	38.2	63	20	29	31	32	84	64	66	.156	.177	.181	.39	.21	6.8	6.5	7.2	7.1
December	29.166	29.510	28.740	29.3	33.7	33.2	35.5	27.7	31.6	48	19	26	28	27	87	78	78	.140	.149	.146	.26	.09	8.7	8.3	9.2	8.9
Year	28.902	29.790	27.930	42.6	58.0	59.3	62.4	40.0	51.2	103	−15	32	32	32	68	42	42	.196	.190	.192	3.90	.45	4.3	4.9	5.3	5.1

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	28.892	29.330	28.300	5.4	12.5	----	18.2	0.4	9.3	52	−24	2	4	---	85	72	---	0.050	0.059	----	0.88	0.31	5.6	4.7	----	5.4
February	28.611	29.170	28.180	31.6	40.9	----	46.9	25.8	36.4	69	0	26	28	---	80	61	---	.148	.162	----	.24	.12	6.2	5.9	----	6.5
March	28.653	29.300	28.130	27.6	40.3	----	46.0	25.0	35.5	72	2	23	25	---	80	56	---	.126	.142	----	.41	.18	4.4	5.1	----	5.0
April	28.677	28.930	28.340	44.0	57.7	----	62.6	41.8	52.2	89	23	37	40	---	79	60	---	.233	.264	----	3.08	1.37	6.4	6.8	----	6.6
May	28.611	29.004	28.100	52.8	63.9	----	68.4	48.8	58.6	87	36	48	54	---	85	73	---	.350	.441	----	3.55	1.67	5.0	5.4	----	5.5
June	28.585	28.916	28.150	63.2	76.8	----	80.9	56.9	68.9	98	47	56	57	---	78	52	---	.455	.478	----	1.73	.71	3.6	3.7	----	3.7
July	28.644	28.990	28.420	72.9	89.3	----	93.9	68.8	81.4	109	48	59	58	---	63	36	---	.514	.493	----	.16	.13	3.5	3.1	----	3.6
August	28.688	28.980	28.310	68.7	82.4	----	86.0	65.4	75.7	108	56	61	60	---	77	50	---	.523	.514	----	1.96	.67	6.3	5.7	----	6.3
September	28.642	29.000	28.280	56.1	72.0	----	76.9	53.5	65.2	90	39	49	49	---	77	46	---	.369	.370	----	1.04	.70	3.2	2.8	----	3.8
October	28.711	29.230	28.240	43.4	55.6	----	59.9	40.5	50.2	88	16	38	39	---	82	56	---	.266	.281	----	1.29	.94	4.1	5.5	----	5.9
November	28.674	29.360	27.890	33.3	45.2	----	49.7	28.9	39.3	70	10	28	28	---	80	53	---	.157	.163	----	1.84	1.44	4.0	4.4	----	4.7
December	28.793	29.280	28.380	24.8	32.7	----	37.4	21.5	29.4	64	10	22	24	---	88	71	---	.115	.128	----	.11	.06	5.6	5.9	----	5.9
Year	28.682	29.350	27.890	43.6	55.8	----	60.6	39.8	50.2	102	−24	37	39	---	80	57	---	.276	.291	----	16.29	1.67	4.8	4.9	----	5.2

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.	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	30.310	29.540	45.9	62.7	60.2	64.5	41.2	52.8	74	29	32	32	33	64	35	39	0.198	0.197	0.201	0.28	0.16	3.4	4.2	5.1	4.2
February	29.852	30.110	29.658	52.3	75.0	75.6	78.1	47.8	63.0	88	37	34	31	31	52	21	20	.202	.177	.174	.01	.01	1.1	2.0	1.2	1.5
March	29.763	30.160	29.420	54.5	74.4	75.4	78.1	50.3	64.2	92	42	35	33	31	53	27	24	.217	.200	.184	.91	.70	1.7	2.7	2.9	2.4
April	29.711	29.990	29.482	60.5	84.3	86.7	88.9	57.3	73.1	103	47	45	39	34	59	22	18	.304	.240	.204	.02	.02	2.3	2.1	2.4	2.4
May	29.693	29.910	29.496	59.3	83.1	84.6	87.6	56.5	72.0	102	45	42	35	34	56	20	20	.277	.207	.205	.12	.12	1.0	1.4	1.5	1.4
June	29.583	29.770	29.340	68.8	97.2	100.6	102.5	66.1	84.3	111	55	54	43	41	60	17	14	.426	.295	.268	T.	T.	.1	.6	.4	.4
July	29.635	29.830	29.438	80.1	100.9	102.6	105.5	77.3	91.4	113	69	66	61	60	64	29	27	.661	.555	.538	.21	.18	2.4	1.9	2.6	2.1
August	29.667	29.880	29.500	77.3	99.0	101.0	104.5	74.6	89.6	113	67	65	61	60	67	32	28	.630	.556	.526	.04	.03	2.0	1.9	2.0	1.9
September	29.647	29.880	29.473	69.3	93.7	93.4	97.7	66.6	82.2	110	56	53	48	48	60	23	22	.442	.362	.350	T.	T.	1.5	1.4	2.0	1.7
October	29.685	30.030	29.430	60.1	85.3	81.9	88.1	55.8	72.0	98	48	40	38	40	53	20	24	.265	.236	.256	.20	.20	.1	.3	.7	.3
November	29.851	30.220	29.440	54.8	75.7	69.8	77.1	50.1	63.6	90	35	31	33	36	44	22	27	.180	.198	.221	T.	T.	1.0	1.0	1.4	1.3
December	29.953	30.220	29.736	46.2	65.7	60.1	66.9	40.7	53.8	75	30	20	22	24	36	18	25	.109	.124	.132	0	0	.5	1.4	1.2	1.2
Year	29.744	30.310	29.340	60.8	83.1	82.7	86.6	57.0	71.8	113	29	43	40	39	56	24	24	.326	.278	.272	1.79	.79	1.4	1.7	2.0	1.7

Annual meteorological summary for the year ending December 31, 1930—Continued

WYTHEVILLE, VA.

[H_b=2,304 ft.; h_t=49 ft.; h_r=40 ft.; h_a=55 ft.]

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorm	Aurora
	Miles		*Mi.*																									
January	5.4	W.	24	NW.	0	2	4	12	1	5	6	19	13	0	8	8	15	13	10	7	6	0	2	5	0	20	0	0
February	6.4	W.	24	NW.	0	2	2	6	0	0	10	25	10	1	14	9	5	7	2	3	3	0	0	1	0	16	0	0
March	8.2	W.	32	W.	0	1	4	3	2	3	4	33	11	1	12	11	8	11	10	6	4	1	0	1	0	21	1	0
April	6.3	W.	28	SW.	0	1	3	10	2	1	5	19	19	0	11	13	6	7	4	0	0	0	1	0	0	4	3	0
May	4.8	W.	23	SW.	0	3	0	0	1	3	19	19	14	3	13	11	7	14	12	0	0	0	0	0	0	0	7	0
June	4.6	NW.	28	W.	0	2	3	6	7	2	13	11	16	0	17	9	4	8	6	0	0	1	0	0	2	0	4	0
July	4.9	W.	23	W.	0	6	2	4	2	2	12	21	13	0	13	12	6	7	5	0	0	0	1	0	12	0	6	0
August	3.9	W.	16	W.	0	2	2	3	2	4	9	20	17	3	14	11	6	9	8	0	0	0	0	0	7	0	8	0
September	4.0	W.	22	NW.	0	2	3	6	3	1	11	25	7	2	7	13	10	9	8	0	0	0	1	0	1	0	4	0
October	4.4	W.	23	SW.	0	8	6	8	3	0	3	17	15	2	15	6	10	9	8	3	1	0	2	0	0	10	0	0
November	5.2	W.	24	SW.	0	1	11	14	2	0	3	20	8	1	9	5	16	11	6	5	4	0	3	3	0	14	0	0
December	6.6	W.	23	NW.	0	3	6	8	1	1	1	25	16	1	8	8	15	8	6	8	5	0	1	8	0	26	0	0
Year	5.4	W.	32	W.	0	33	46	80	26	22	96	254	159	14	141	116	108	113	85	32	23	2	11	18	22	111	33	0

YAKIMA, WASH.

[H_b=1,076 ft.; h_t=58 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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	3.4	SE.	23	SW.	0	8	12	5	10	9	5	4	8	1	12	6	13	8	4	13	8	0	0	26	0	31	0	0
February	3.8	NW.	30	W.	0	6	2	5	6	8	6	10	10	3	3	11	14	7	6	5	4	0	1	0	0	18	0	0
March	5.6	NW.	32	W.	0	7	8	2	4	4	7	12	18	0	14	10	7	6	2	0	0	0	0	0	0	9	0	1
April	5.0	NW.	29	SW.	0	3	0	3	7	3	8	16	19	1	8	11	11	5	0	0	0	0	0	0	0	0	0	0
May	6.5	NW.	26	SW.	0	4	2	1	4	2	11	7	31	0	10	11	10	5	3	0	0	0	0	0	0	0	1	0
June	5.7	NW.	24	SW.	0	8	0	1	6	0	9	4	31	1	14	6	10	4	4	0	0	0	0	0	1	0	2	0
July	6.2	NW.	21	NW.	0	5	0	1	1	2	6	12	35	0	24	3	4	1	0	0	0	0	0	0	16	0	1	0
August	5.3	NW.	23	SE.	0	5	2	0	5	5	11	9	25	0	20	8	8	0	0	0	0	0	0	0	13	0	2	0
September	4.2	NW.	17	W.	0	4	1	0	8	2	7	9	29	0	14	11	5	2	1	0	0	0	0	0	1	0	0	0
October	3.3	NW.	26	SW.	0	8	3	2	7	9	7	6	16	4	15	8	8	4	3	0	0	0	1	0	0	9	0	0
November	2.6	SE.	21	W.	0	10	4	3	15	10	5	5	6	2	6	8	16	5	4	9	4	0	1	2	0	21	0	0
December	2.5	SE.	21	NW.	0	4	5	3	12	13	6	7	10	2	2	3	26	7	3	14	4	0	3	9	0	27	0	0
Year	4.5	NW.	32	W.	0	72	39	26	85	67	88	101	238	14	142	96	127	54	30	41	20	0	6	37	31	115	6	1

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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	7.0	NW.	25	NW.	0	4	1	1	1	1	4	6	11	2	9	12	10	8	4	14	8	0	0	26	0	31	0	0
February	7.5	NW.	30	NW.	0	1	0	3	2	3	3	9	6	1	5	10	13	3	2	3	2	0	0	3	0	21	0	0
March	9.4	NW.	24	NW.	0	5	0	1	2	3	2	5	12	1	11	12	8	6	2	7	5	0	1	3	0	26	0	0
April	6.9	E.	30	NW.	0	5	3	6	6	1	1	4	1	3	8	5	17	13	6	1	1	0	3	0	0	1	1	0
May	8.4	NW.	26	S.	0	2	4	5	1	5	2	6	6	0	11	7	13	12	10	0	0	0	0	0	0	0	6	0
June	6.8	S.	34	NW.	1	2	2	2	3	8	3	4	6	0	15	13	2	8	6	0	0	0	0	0	4	0	9	0
July	5.4	SW.	19	SE.	0	4	2	1	4	2	9	3	4	2	12	18	1	3	1	0	0	0	0	0	22	0	3	0
August	5.2	SE.	22	NW.	0	1	4	6	6	5	2	4	2	1	6	15	10	11	9	0	0	1	1	0	10	0	10	0
September	6.2	NW.	25	SW.	0	3	5	4	1	3	2	4	5	3	15	10	5	6	5	0	0	0	0	0	1	0	8	0
October	7.2	NW.	29	NW.	0	2	0	4	2	5	2	6	7	3	7	12	12	7	6	1	0	0	2	0	0	11	2	0
November	8.1	NW.	37	NW.	1	1	1	3	2	3	3	7	8	2	12	10	8	6	4	6	3	0	0	3	0	19	0	0
December	6.5	NW.	22	NW.	0	4	2	0	0	5	2	11	7	0	12	3	16	2	2	11	2	0	0	9	0	29	0	0
Year	7.0	NW.	37	NW.	2	34	24	36	30	44	35	69	75	18	123	127	115	85	57	43	21	1	7	44	37	138	39	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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
January	4.6	N.	22	N.	0	23	5	6	4	3	2	7	6	6	14	13	4	5	3	0	0	0	1	0	0	1	0	0
February	4.6	N.	22	W.	0	16	11	2	1	3	6	8	8	1	22	6	0	1	0	0	0	0	0	0	0	0	0	0
March	5.6	N.	29	SE.	0	17	7	2	6	3	5	11	8	3	22	5	4	2	2	0	0	0	1	0	2	0	1	0
April	4.2	W.	22	W.	0	1	7	6	5	7	13	10	7	4	21	7	2	1	0	0	0	0	1	0	15	0	0	0
May	5.8	W.	29	N.	0	3	1	2	5	8	14	23	6	0	25	6	0	1	1	0	0	0	0	0	14	0	0	0
June	4.3	SW.	18	S.	0	6	2	2	12	9	13	10	1	5	30	0	0	0	0	0	0	0	0	0	29	0	0	0
July	4.7	SE.	30	SE.	0	5	6	2	17	6	17	6	2	1	25	4	2	4	1	0	0	0	0	0	31	0	4	0
August	4.0	SW.	30	SE.	0	4	6	4	5	12	16	10	3	2	24	6	1	2	0	0	0	0	0	0	30	0	3	0
September	4.3	W.	18	NE.	0	2	6	8	8	7	11	13	3	2	23	7	0	0	0	0	0	0	0	0	26	0	0	0
October	4.4	N.	26	N.	0	19	7	3	4	3	8	7	9	2	31	0	0	2	2	0	0	0	0	0	13	0	0	0
November	5.5	N.	24	NW.	0	24	11	2	2	1	3	4	11	2	26	4	0	0	0	0	0	0	0	0	3	0	0	0
December	5.8	N.	24	N.	0	41	5	5	0	0	0	2	8	1	27	3	1	0	0	0	0	0	0	0	0	1	0	0
Year	4.8	N.	30	SE.	0	161	74	44	69	62	108	111	72	29	290	61	14	18	9	0	0	0	3	0	163	2	8	0

Annual meteorological summary for the year ending December 31, 1930—Continued

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.	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	29.794	30.596	28.986	37.0	----	38.2	40.7	33.6	37.2	46	22	----	----	----	----	----	----	----	----	----	14.00	1.93	6.4	----	8.6	8.8
February	29.742	30.526	29.086	23.1	----	26.2	29.3	20.5	24.9	48	11	----	----	----	----	----	----	----	----	----	1.57	.31	7.9	----	8.6	9.5
March	29.842	30.796	29.116	29.3	----	32.1	35.5	26.2	30.8	50	14	----	----	----	----	----	----	----	----	----	4.22	.84	6.4	----	8.4	8.6
April	29.790	30.216	28.256	33.1	----	37.8	41.1	30.3	35.7	52	13	----	----	----	----	----	----	----	----	----	1.54	.54	8.3	----	8.4	8.3
May	29.612	30.226	29.006	37.7	----	42.0	46.1	34.5	40.3	57	28	----	----	----	----	----	----	----	----	----	4.08	1.22	7.7	----	7.8	7.9
June	29.783	30.296	29.156	41.7	----	46.6	49.7	39.5	44.6	55	36	----	----	----	----	----	----	----	----	----	3.82	1.18	9.0	----	8.3	8.8
July	30.032	30.376	29.666	48.3	----	54.6	58.7	44.6	51.6	69	36	----	----	----	----	----	----	----	----	----	1.60	.36	7.4	----	7.2	7.4
August	30.094	30.486	29.636	50.8	----	56.7	61.1	47.5	54.3	76	40	----	----	----	----	----	----	----	----	----	.99	.51	7.6	----	8.1	8.0
September	29.942	30.356	29.006	45.4	----	49.5	52.6	42.2	47.4	59	35	----	----	----	----	----	----	----	----	----	4.58	1.76	8.2	----	8.6	8.7
October	29.760	30.276	28.956	41.8	----	45.6	48.4	38.5	43.4	55	31	----	----	----	----	----	----	----	----	----	7.20	2.57	8.1	----	8.4	8.2
November	29.629	30.366	29.022	34.8	----	36.4	40.2	30.8	35.5	54	24	----	----	----	----	----	----	----	----	----	4.98	1.12	----	----	----	8.0
December	29.220	29.976	28.176	31.5	----	33.1	35.8	27.7	31.8	42	20	----	----	----	----	----	----	----	----	----	4.71	1.40	5.6	----	7.0	6.3
Year	29.770	30.796	28.176	37.9	----	41.6	44.9	34.7	39.8	76	11	----	----	----	----	----	----	----	----	----	53.29	2.57	----	----	----	8.2

EAGLE, ALASKA

[ϕ=64° 46′ N.; λ=141° 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	* 29.600	30.100	28.820	† -14.7	----	† -11.5	-5.8	-19.6	-12.7	14	-49	----	----	----	----	----	----	----	----	----	0.18	0.10	† 2.5	----	† 1.4	2.6
February	28.874	29.570	28.190	-27.3	----	-19.1	-12.2	-32.5	-22.4	32	-65	----	----	----	----	----	----	----	----	----	.39	.17	5.4	----	3.0	5.3
March	28.958	29.794	28.140	2.8	----	10.7	18.3	-2.4	8.0	52	-49	----	----	----	----	----	----	----	----	----	.51	.41	6.3	----	6.3	7.0
April	28.960	29.478	28.348	22.0	----	30.0	38.4	14.7	26.6	52	-12	----	----	----	----	----	----	----	----	----	.29	.12	5.3	----	6.7	6.5
May	28.912	29.515	28.310	46.2	----	54.2	60.3	32.6	46.4	77	22	----	----	----	----	----	----	----	----	----	1.00	.27	5.7	----	5.9	5.9
June	28.894	29.370	28.384	57.2	----	63.9	70.9	44.0	57.4	84	34	----	----	----	----	----	----	----	----	----	1.11	.35	5.9	----	5.5	6.6
July	29.013	29.235	28.784	59.7	----	66.8	74.5	48.0	61.2	83	36	----	----	----	----	----	----	----	----	----	1.17	.22	6.3	----	7.9	7.9
August	28.995	29.310	28.720	47.7	----	65.7	69.3	42.5	55.9	84	29	----	----	----	----	----	----	----	----	----	4.01	1.18	7.8	----	7.7	8.5
September	28.870	29.369	28.340	37.8	----	48.8	52.0	34.0	43.0	70	17	----	----	----	----	----	----	----	----	----	2.10	.50	7.3	----	6.8	8.9
October	29.015	29.720	28.310	20.0	----	28.1	30.9	16.1	23.5	49	-6	----	----	----	----	----	----	----	----	----	.75	.16	6.7	----	6.8	7.0
November	28.863	29.710	27.940	0.8	----	3.9	10.8	-8.9	1.0	39	-52	----	----	----	----	----	----	----	----	----	1.38	.32	4.7	----	7.1	6.9
December	28.626	28.959	27.980	7.6	----	7.6	15.0	-1.9	6.6	35	-24	----	----	----	----	----	----	----	----	----	.28	.11	5.0	----	6.8	6.4
Year	28.965	30.100	27.940	----	----	----	35.2	13.9	24.5	84	-65	----	----	----	----	----	----	----	----	----	13.17	1.18	----	----	----	6.6

KODIAK, ALASKA

[ϕ=57° 47′ N.; λ=152° 22′ 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	* 30.183	30.670	28.920	† 34.8	----	† 36.7	41.5	29.9	35.7	47	18	----	----	----	----	----	----	----	----	----	3.11	0.96	† 5.8	----	† 6.3	6.2
February	29.360	30.280	28.590	21.4	----	24.2	28.4	16.6	22.5	41	2	----	----	----	----	----	----	----	----	----	2.40	.98	5.5	----	5.6	5.7
March	29.732	30.590	28.790	29.5	----	33.4	37.9	24.8	31.4	48	9	----	----	----	----	----	----	----	----	----	3.24	.75	6.5	----	7.0	6.6
April	29.704	30.260	29.010	33.7	----	40.3	44.7	30.1	37.4	56	13	----	----	----	----	----	----	----	----	----	2.54	1.33	5.3	----	6.5	6.4
May	29.744	30.310	28.940	38.3	----	43.5	47.4	36.3	41.8	58	26	----	----	----	----	----	----	----	----	----	5.47	1.36	7.8	----	7.6	7.5
June	29.867	30.330	29.070	43.6	----	50.5	54.5	41.8	48.2	68	36	----	----	----	----	----	----	----	----	----	4.52	1.98	7.5	----	7.1	6.8
July	29.960	30.160	29.630	48.9	----	56.2	59.6	47.1	53.4	66	40	----	----	----	----	----	----	----	----	----	2.77	.64	7.5	----	7.1	7.2
August	29.922	30.370	29.530	51.5	----	59.7	63.7	48.9	56.3	81	41	----	----	----	----	----	----	----	----	----	1.33	.44	5.7	----	6.2	6.5
September	29.750	30.210	28.940	46.3	----	51.4	55.4	42.8	49.1	64	30	----	----	----	----	----	----	----	----	----	3.97	.90	6.4	----	6.3	7.1
October	29.719	30.390	28.920	38.5	----	44.2	47.5	34.5	41.0	58	24	----	----	----	----	----	----	----	----	----	2.96	1.62	4.5	----	6.4	5.3
November	29.410	30.410	28.170	34.0	----	36.7	40.4	29.5	35.0	46	18	----	----	----	----	----	----	----	----	----	8.24	1.68	6.0	----	6.3	6.1
December	29.186	29.570	28.270	34.9	----	35.9	39.7	29.3	34.5	44	20	----	----	----	----	----	----	----	----	----	6.44	.86	6.6	----	6.9	6.7
Year	29.711	30.670	28.170	38.0	----	42.7	46.7	34.3	40.5	81	2	----	----	----	----	----	----	----	----	----	46.99	1.98	6.3	----	6.5	6.5

NOME, ALASKA

[ϕ=64° 30′ N.; λ=165° 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	* 30.130	30.940	29.328	† 22.8	----	† 24.1	29.3	16.2	22.8	35	-5	----	----	----	----	----	----	----	----	----	2.45	----	† 7.1	----	† 6.3	----
February	29.848	30.450	29.190	-10.6	----	-5.2	2.3	-15.4	-6.6	31	-35	----	----	----	----	----	----	----	----	----	.71	----	3.0	----	3.2	----
March	29.853	30.870	28.856	-3.2	----	2.4	10.5	-8.6	1.0	32	-31	----	----	----	----	----	----	----	----	----	2.05	.50	4.7	----	4.8	----
April	29.866	30.320	29.040	15.3	----	21.9	25.7	10.3	18.0	42	-19	----	----	----	----	----	----	----	----	----	.77	.25	6.0	----	4.6	----
May	29.760	30.190	29.340	32.8	----	35.4	39.0	26.1	32.6	54	9	----	----	----	----	----	----	----	----	----	.46	.13	7.0	----	7.5	----
June	29.832	30.290	29.370	44.0	----	45.3	50.2	37.2	43.7	62	28	----	----	----	----	----	----	----	----	----	1.84	.94	7.0	----	6.1	6.7
July	29.830	30.170	29.450	46.8	----	48.9	51.8	42.5	47.2	60	30	----	----	----	----	----	----	----	----	----	4.90	1.34	8.7	----	8.5	----
August	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	5.76	----	----	----	----	----
September	29.779	30.230	29.250	36.3	----	44.0	45.7	31.1	38.4	58	18	34	----	38	90	----	80	.200	----	----	1.98	.49	5.9	----	7.4	6.7
October	29.768	30.370	29.190	30.0	----	34.4	35.5	25.5	30.5	42	2	28	----	30	90	----	83	.161	----	.227	2.44	.86	6.4	----	7.5	7.0
November	29.824	30.664	28.780	5.7	----	10.8	12.8	-0.8	6.0	25	-15	-3	----	3	66	----	68	.038	----	.176	.11	.05	2.1	----	4.1	4.1
December	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	.049	.87	----	----	----	----	----
Year	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	24.34	----	----	----	----	----

* No diurnal correction applied.

† Hours at Dutch Harbor, 1 a. m. and 1 p. m., one hundred and sixty-fifth meridian time; at Eagle, 8 a. m. and 8 p. m., one hundred and thirty-fifth meridian time, January to July; afterward 7 a. m. and 7 p. m.; at Kodiak, 2 a. m. and 2 p. m., one hundred and fiftieth meridian time; at Nome, 6 a. m. and 5 p. m., one hundred and sixty-fifth meridian time, January to July; 2 a. m. and 2 p. m., September to November.

Annual meteorological summary for the year ending December 31, 1930—Continued

DUTCH HARBOR, ALASKA

[H_b=13ft.; h_t=4 ft.; h_r=3 ft.; h_a=— 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 33 miles and over	Wind: Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorm	Aurora
	Miles	*	Mi.			†	†	†	†	†	†	†	†	†															
January		S.				5	3	1	15	18	12	4	3	1	1	5	25	25	19	6	3	0	1	0	0	10	0	0
February		NW.				18	2	1	3	1	5	0	22	4	0	3	25	15	11	17	14	0	0	20	0	27	0	0
March		N.				16	3	0	10	8	11	1	7	6	3	3	25	19	16	19	16	0	0	9	0	27	0	0
April		SE.				7	1	1	16	4	16	0	8	7	2	5	23	11	6	4	4	0	1	5	0	12	0	0
May		SE.				0	0	0	35	5	10	0	8	4	1	11	19	19	16	3	3	0	0	0	0	8	0	0
June		SE.				0	0	0	49	0	0	5	5	1	0	5	25	16	13	0	0	0	2	0	0	0	0	0
July		SE.				1	0	0	53	0	0	0	3	5	3	12	16	13	10	0	0	0	1	0	0	0	0	0
August		SE.				2	0	0	40	0	1	1	8	10	3	9	19	10	3	0	0	0	0	0	0	0	0	0
September		SE.				2	1	0	26	0	1	2	23	5	1	7	22	15	14	0	0	0	1	0	0	0	0	0
October		SE.				0	1	0	36	0	0	0	18	7	4	5	22	18	12	2	1	0	0	0	0	2	0	0
November		NW.				0	0	0	17	1	0	1	36	5	1	9	20	18	16	9	2	0	0	1	0	20	0	0
December		SE.				0	0	0	35	0	1	0	19	7	6	16	9	21	15	19	15	0	0	6	0	26	0	0
Year		SE.				51	11	3	335	37	57	14	160	62	25	90	250	200	151	79	58	0	6	41	0	132	0	0

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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
		*				†	†	†	†	†	†	†	†	†														
January		NE.				2	23	20	2	0	1	1	6	7	21	5	5	4	2	4	4			31	0	31		25
February		NW.				5	4	9	4	2	1	7	11	13	11	1	16	7	2	10	7	0	0	28	0	28	0	11
March		NW.				3	7	4	16	4	1	4	18	5	9	3	19	7	2	11	5	0	0	24	0	30	0	16
April		NE.				5	11	7	4	7	2	7	9	8	7	5	18	5	4	6	5	0	0	5	0	29	0	11
May		SE.				2	15	9	18	6	2	2	7	1	11	3	17	13	8	4	2	0	0	0	0	17	2	2
June		E.				8	7	13	10	5	3	5	8	1	5	9	16	13	11	0	0	0	0	0	0	0	0	0
July		NW.				9	6	14	8	0	1	8	15	1	5	2	24	13	8	0	0	0	0	0	0	0	4	0
August		W.				5	3	3	9	3	3	21	14	1	1	4	26	16	14	0	0	0	0	0	0	3	1	8
September		NW.				10	5	8	12	3	1	0	20	1	2	2	26	15	10	1	1	0	1	0	0	12	1	7
October		NW.				7	1	10	17	2	0	2	18	5	8	4	19	12	7	12	10			13	0	30	0	6
November		SE.				8	2	7	18	3	1	5	13	3	7	4	19	15	9	16	15	0		23	0	30	0	9
December		SE.				3	6	18	19	0	0	1	7	8	6	10	15	10	2	13	11	0	0	29	0	31	0	5
Year		NW.				67	90	122	137	35	16	63	146	54	93	52	220	130	79	77	60			153	0	241		100

KODIAK, ALASKA

[H_b=12 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 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
		*				†	†	†	†	†	†	†	†	†														
January		SE.				2	8	6	10	4	4	2	7	19	8	8	15	14	13	4	2	0	0	1	0	21	0	1
February		NW.				1	1	0	3	0	4	18	21	8	7	9	12	11	8	12	7	0	0	21	0	27	0	0
March		SE.				1	4	2	15	0	12	7	8	13	6	10	15	17	12	10	8	0	0	9	0	27	0	0
April		NW.				3	2	5	10	3	3	2	15	17	8	6	16	15	10	3	2	0	1	1	0	19	0	0
May		SE.				2	3	12	20	2	2	4	8	9	4	7	20	22	17	0	0	0	1	0	0	5	0	0
June		NE.				2	13	5	5	4	0	0	8	23	8	6	16	16	12	0	0	0	3	0	0	0	0	0
July		SE.				1	8	6	11	3	2	0	4	27	5	8	18	16	13	0	0	0	6	0	0	0	0	0
August		NW.				2	6	6	2	1	1	3	7	34	7	8	16	12	10	0	0	0	0	0	0	0	0	0
September		E.				2	4	11	5	4	6	4	10	14	2	14	14	16	14	0	0	0	0	0	0	1	0	2
October		NW.				4	5	8	1	1	5	1	19	18	14	6	11	12	7	2	2	0	0	0	0	12	0	4
November		NW.				5	5	4	0	3	7	0	21	15	11	5	14	22	18	6	5	0	0	1	0	21	0	2
December		E.				5	5	12	5	2	5	0	9	19	7	11	13	22	20	3	3	0	1	1	0	25	0	1
Year		NW.				30	64	77	87	27	51	41	137	216	87	98	180	195	154	40	29	0	12	34	0	158	0	10

NOME, ALASKA

[H_b=22 ft.; h_t=4 ft.; h_r=5 ft.; h_a=34 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
		*				†	†	†	†	†	†	†	†	†	†													
January		E.				4	13	25	15	2	2	0	0	0	6	6	19					0	0	22	0	31	0	0
February		NE.				11	13	8	5	0	0	8	10	1	15	8	5					0	0	28	0	28	0	0
March	11.1	N.	51	N.	10	17	13	13	5	4	1	4	4	1	9	14	8	10	8	13	10	0	0	31	0	31	0	4
April	8.0	E.	38	N.	3	12	18	25	2	0	0	1	1	1	9	11	10	8	4	11	8	0	3	19	0	30	0	1
May	6.3	NE.	24	NE.	0	5	28	13	8	4	1	1	2	0	4	9	18	10	4	8	5	0	0	10	0	22	0	0
June	6.6	W.	23	SE.	0	1	5	11	10	4	8	19	2	0	7	5	18	15	10	0	0	0	1	0	0	8	0	0
July	10.4	SE.	40	SE.	3	3	2	4	29	8	7	5	4	0	3	3	25	17	15	0	0	0	0	0	0	2	0	0
August																												
September	9.0	NW.	33	SW.	2	6	14	1	8	4	6	3	18	0	5	12	13	12	7	4	0	0	0	0	0	20	0	7
October	11.2	NE.	36	SE.	1	0	20	3	17	0	10	3	8	1	6	3	22	15	11	14	4	0	0	8	0	20	0	3
November	8.0	NE.	47	NE.	2	15	19	4	3	0	1	3	15	0	16	6	8	6	0	9	6	0	0	30	0	30	0	14
December																												
Year																												

* By eye observations at this station.

† Hours at Dutch Harbor, 1 a. m. and 1 p. m., one hundred and sixty-fifth meridian time; at Eagle, 8 a. m. and 8 p. m., one hundred and thirty-fifth meridian time, January to July; afterward 7 a. m. and 7 p. m.; at Kodiak, 2 a. m. and 2 p. m., one hundred and fiftieth meridain time; at Nome, 6 a. m. and 5 p. m., one hundred and sixty-fifth meridian time, January to July; 2 a. m. and 2 p. m., September to November.

Annual meteorological summary for the year ending December 31, 1930—Continued

TANANA, ALASKA

[ϕ=65° 10′ N.; λ=152° 06′ W.]

Month	Pressure			Temperature								Moisture													
		Extremes		Mean						Extremes		Dew point			Relative humidity			Vapor pressure			Precipitation		Cloudiness			
	Monthly mean	Maximum	Minimum	8 a. m.	Noon, local time	8 p. m.	Maximum	Minimum	Monthly	Maximum	Minimum	8 a. m.	Noon, local time	8 p. m.	8 a. m.	Noon, local time	8 p. m.	8 a. m.	Noon, local time	8 p. m.	Total	Maximum in 24 hours	8 a. m.	Noon, local time	8 p. m.	Daylight
	In.*	In.	In.	° †	°	° †	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.	†		†	
January	30.173	30.550	29.480	−2.1		−0.6	7.1	−10.2	−1.6	38	−40										1.15	0.57	3.2		2.3	3.8
February	29.566	30.190	29.030	−28.8		−21.2	−14.1	−33.7	−23.9	21	−55										.23	.15	3.6		2.3	3.2
March	29.652	30.570	28.950	−4.9		3.7	11.6	−10.9	0.4	37	−46										1.83	.36	6.4		5.9	6.0
April	29.656	30.110	28.980	15.7		28.3	34.5	9.4	22.0	50	−26										.17	.08	4.9		4.6	4.6
May	29.544	30.120	28.940	44.3		52.7	58.8	35.0	46.9	78	22										.53	.18	4.8		5.6	5.0
June	29.569	30.070	28.940	56.5		65.0	71.7	43.8	57.8	83	33										1.45	.32	4.6		5.4	4.9
July	29.704	29.960	29.410	56.0		63.7	69.7	46.9	58.3	78	30										2.51	.42	6.6		6.6	6.2
August	29.670	30.080	29.360	47.0		58.1	61.4	43.8	52.6	76	27										6.83	1.40	6.5		7.6	7.2
September	29.610	30.070	29.050	37.6		45.5	48.2	34.2	41.2	62	18										2.53	.77	6.0		7.7	6.7
October	29.675	30.350	29.030	22.2		26.1	30.3	19.2	24.7	41	−2										1.79	.39	5.9		6.5	6.1
November	29.607	30.450	28.600	−7.2		−2.4	2.7	−13.3	−5.3	23	−33										.77	.23	3.9		5.8	5.0
December	29.279	29.670	28.723	1.1		1.2	6.8	−6.2	0.3	21	−32										.42	.18	4.3		6.2	5.4
Year	29.642	30.570	28.600				32.4	13.2	22.8	83	−55										20.21	1.40				5.3

* No diurnal correction applied.

† Hours at Tanana, 7 a. m. and 6.30 p. m., one hundred and fiftieth meridian time, January to July; afterward 1.30 a. m. and 1 p. m.

Annual meteorological summary for the year ending December 31, 1930—Continued

TANANA, ALASKA

[H_b=228 ft.; h_t=4 ft.; h_r=3 ft.; h_a=— ft.]

Month	Wind														Number of days													
	By self-register					Number of winds, 8 a. m. and 8 p. m.												Precipitation		Snow				Maximum temp.			Electricity	
	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorm	Aurora
		*				†	†	†	†	†	†	†	†	†														
January	------	NE.	----	-------	----	0	35	3	6	0	1	0	14	3	20	6	5	8	5	8	8	0	1	30	0	31	0	11
February	------	NE.	----	-------	----	2	23	3	4	0	3	0	21	0	17	9	2	4	3	4	4	0	2	28	0	28	0	21
March	------	NW.	----	-------	----	7	0	14	15	0	2	6	18	0	7	13	11	15	11	17	15	0	0	29	0	31	0	11
April	------	SE.	----	-------	----	8	2	3	28	3	2	0	14	0	10	13	7	4	3	8	3	0	0	10	0	30	----	11
May	------	SE.	----	-------	----	2	0	4	30	0	5	1	17	3	8	19	4	7	5	1	0	2	0	0	0	10	1	0
June	------	SE.	----	-------	----	6	0	3	14	4	12	8	13	0	10	15	5	14	9	0	0	0	0	0	0	0	7	0
July	------	SE.	----	-------	----	2	0	13	16	5	13	4	9	0	4	16	11	18	16	0	0	0	0	0	0	3	1	0
August	------	NW.	----	-------	----	4	0	5	14	1	10	5	19	4	3	10	18	22	18	0	0	0	0	0	0	4	1	6
September	------	SE.	----	-------	----	3	7	6	21	2	10	7	3	1	4	12	14	19	16	5	3	0	0	0	0	13	0	14
October	------	SE.	----	-------	----	3	10	7	28	1	4	2	3	4	7	10	14	15	9	16	15	0	0	18	0	31	0	13
November	------	NW.	----	-------	----	1	8	2	15	0	3	2	16	13	10	11	9	11	7	11	11	0	0	30	0	30	0	16
December	------	SE.	----	-------	----	0	8	1	21	0	1	1	13	17	11	11	9	7	4	9	7	0	0	31	0	31	0	10
Year	------	SE.	----	-------	----	38	93	64	212	16	66	36	160	45	111	145	109	144	106	79	66	2	3	176	0	242	----	113

* By eye observations at this station.
† For hours of observation, see footnote on preceding page.

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PART IV

MONTHLY AND ANNUAL PRECIPITATION, 1930 (ALL STATIONS)—MONTHLY AND SEASONAL SNOWFALL, SEASON 1930–31 (SELECTED STATIONS)—MONTHLY AND ANNUAL EVAPORATION, 1930

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 gages, the remainder having gages 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 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 1930–31 are given for selected stations in the United States, Newfoundland, and Canada.

The monthly and annual amounts of evaporation during the year 1930 follow the snowfall. 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 appear in the Monthly Weather Review of December, 1916, pages 674 to 677.

Monthly and annual precipitation (in inches and hundredths) for 1930

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Alabama													
Alaga	5.30	1.73	5.84	2.95	0.35	5.36	6.17	2.40	8.31	13.4	7.93	4.12	51.80
Albertville	3.12	1.72	6.63	1.28	6.89	1.35	1.31	3.64	3.86	3.06	6.68	2.99	42.53
Anniston	4.16	1.56	8.30	1.54	7.91	1.84	3.45	1.99	4.19	1.37	6.62	2.25	45.18
Auburn	4.78	3.05	6.36	3.19	2.84	2.09	4.97	4.56	6.17	2.59	7.14	2.12	49.86
Bay Minette	4.88	2.69	4.11	0.40	2.71	4.34	6.82	3.09	9.26	5.39	8.33	2.38	54.40
Benton	5.34	2.57	7.38	1.84	1.03	3.21	3.19	4.62	7.90	1.55	6.81	4.61	50.05
Birmingham	4.25	1.71	6.80	1.38	7.94	1.55	3.58	4.93	3.08	2.55	7.38	2.48	47.63
Brantley								4.03	7.96	2.47	7.52	3.09	
Brewton (near)	6.29	1.38	5.06	0.91	1.60	0.99	7.19	2.56	10.70	7.39	10.03	4.24	58.34
Bridgeport	2.27	3.33	5.74	1.59	4.19	0.06	5.36	1.98	4.74	2.83	4.43	3.39	39.91
Brundidge								3.15	4.61	3.52	6.01	3.00	
Calera	4.57	1.03	5.02	2.48	6.00	2.91	11.78	6.34	6.37	1.03	5.84	2.69	56.06
Camp Hill	4.24	2.54	7.57	1.56	3.47	2.45	2.02	[3.00]	5.50	1.95	5.94	1.89	42.13
Centerville	5.16	1.85	4.67	1.94	4.96	1.32	6.10	3.66	5.75	0.81	5.48	2.89	44.59
Citronelle	6.14	3.67	5.16	0.20	2.75	1.65	3.55	6.98	9.90	2.66	6.91	2.22	51.79
Clanton	4.32	1.58	4.43	1.69	4.64	1.61	2.70	6.38	4.87	1.29	5.15	3.07	41.82
Clayton	5.98	1.82	7.63	1.18	2.00	3.40	6.89	3.65	6.89	4.52	12.17	2.62	58.75
Coffee Springs	5.44	2.49	5.12	0.85	2.25	4.17	5.16	3.06	12.39	2.42	10.59	2.00	55.94
Dadeville	4.22	0.95	7.62	1.23	2.61	1.33	2.92	2.27	7.21	1.17	4.77	[2.00]	38.30
Dancy	4.20	2.06	5.02	0.94	10.42	1.72	1.99	3.05	2.42	2.79	7.85	2.93	45.39
Decatur	1.75	2.91	4.63	0.58	5.94	1.70	2.29	2.84	3.26	1.61	6.83	3.15	37.49
Demopolis	2.98	2.12	5.38	1.46	6.61	1.01	2.37	4.41	2.23	1.55	3.68	3.44	37.24
Dothan	4.81	1.36	4.41	2.21	1.57	4.94	4.36	3.92	10.97	1.30	10.29	1.86	52.00
Elba	[5.50]	[1.75]	5.28	1.37	1.70	1.06	3.79	2.16	[8.34]	3.24	9.90	1.25	45.34
Eufaula	4.94	1.66	7.21	1.06	1.25	2.03	7.61	3.80	6.48	4.18	10.95	3.29	54.56
Evergreen	4.08	1.45	4.73	1.52	1.74	3.11	1.80	2.59	7.48	5.43	[9.00]	[3.00]	46.03
Fayette	2.81	2.24	7.88	2.33	[4.00]	0.72	1.44	5.53	2.80	1.42	5.86	2.23	39.26
Florence	2.65	3.87	6.29	0.74	8.51	3.34	3.76	2.58	3.79	3.67	5.55	3.20	47.95
Frisco City								2.30	5.05	4.77	7.99	2.35	
Gadsden	3.42	1.93	6.63	1.18	5.91	1.42	3.88	2.87	5.22	2.88	6.94	2.54	44.82
Geneva	5.97	1.29	5.19	1.69	1.41	1.22	6.06	3.19	8.48	1.68	9.60	3.44	49.22
Goodwater	4.55	1.10	5.33	1.82	3.04	1.20	7.91	2.03	7.60	1.72	[6.65]	2.05	45.00
Greensboro	4.35	2.11	4.28	1.67	8.87	0.98	2.49	2.51	3.67	1.71	7.26	2.86	42.76
Greenville	4.54	2.92	7.18	0.92	1.39	1.79	4.52	2.17	5.31	3.50	6.43	2.84	43.51
Guntersville	3.28	2.27	5.47	1.00	7.80	1.57	2.98	1.95	4.80	2.09	4.99	3.05	41.25
Helena	3.86	1.82	5.75	2.45	6.03	1.39	5.26	3.24	7.63	1.68	7.42	3.54	50.07
Hyland Home	4.90	3.23	7.30	1.22	1.76	1.80	5.30	[2.50]	6.38	2.61	8.00	2.14	47.14
Leeds	4.59	1.63	7.61	1.30	5.46	1.00	4.65	3.73	5.43	3.06	6.88	2.70	48.10
Lock No. 4	5.47	1.66	8.51	1.38	5.85	1.20	3.28	3.66	4.23	2.25	6.45	2.65	46.59
Madison	1.96	3.54	5.84	0.83	7.24	0.92	1.90	1.84	3.62	1.58	5.17	3.01	37.45
Maple Grove	2.98	1.38	[6.00]	1.39	[5.50]	3.50	1.58	[2.25]	4.86	4.97	5.13	3.38	42.92
Marion	3.70	1.62	4.83	1.65	4.26	1.38	2.89	3.13	4.76	1.64	4.49	2.61	36.96
Martin Dam	3.77	1.28	7.49	1.37	3.99	1.47	3.11	2.50	6.66	1.61	4.97	2.85	41.07
Mentone	4.00	3.20	7.19	1.73	3.85	0.50	1.00	3.39	6.91	2.92	4.88	[2.25]	41.82
Millry	4.07	2.80	5.59	1.14	1.15	4.80	5.64	4.75	7.10	2.00	5.25	1.51	45.80
Milltown	4.20	1.10	5.55	2.00	4.00	2.00	1.30	1.70	6.45	1.40	5.80	3.40	38.90
Milstead	6.24	2.64	6.71	2.63	2.04	4.14	5.26	2.41	5.37	2.42	5.17	3.24	48.27
Mobile	4.74	1.94	3.22	0.77	3.54	0.56	3.34	3.71	11.49	4.27	7.57	3.12	48.27
Montgomery	4.92	2.69	4.93	2.26	2.10	1.98	2.67	3.96	6.78	2.08	4.91	2.48	41.76
McKenzie	5.33	3.10	6.25	0.73	1.70	1.86	3.60	1.66	7.27	5.75	9.20	1.80	48.25
Newton	4.55	1.30	5.09	0.75	0.60	4.25	4.05	2.16	8.90	1.73	10.04	3.10	46.52
Ozark	5.47	1.68	6.16	1.35	0.82	2.55	7.06	2.45	5.19	2.45	7.52	3.65	46.35
Prattville	5.13	2.19	5.65	2.01	1.94	2.51	0.77	9.48	9.87	1.56	5.15	2.55	48.83
Primrose Farm	5.88	2.59	5.76	3.23	2.39	0.99	5.64	2.91	5.60	1.88	5.19	1.63	43.69
Pushmataha	4.66	3.47	3.21	2.14	3.34	2.24	0.51	6.04	5.04	2.19	8.26	3.27	44.87
River Falls	[5.71]	1.55	5.49	1.49	2.16	1.37	5.11	4.95	8.56	3.48	8.49	3.30	51.66
Riverton	5.31	3.81	4.59	0.86	7.93	0.31	0.85	3.73	4.83	2.45	4.74	3.06	42.47
Robertsdale	7.78	3.51	4.90	0.85	1.73	2.31	5.15	2.37	14.23	4.82	9.26	4.13	61.04
St. Bernard	3.11	2.16	5.24	1.37	10.59	3.44	6.18	3.59	3.70	0.83	6.40	2.21	48.82
Samson								2.74	7.93	3.32	8.72	3.12	
Scottsboro			5.70	1.05	6.19		1.35			3.20			
Seale	3.96	2.70	3.81	2.10	1.09	2.69	5.15	2.90	5.74	3.73	9.42	2.76	46.05
Selma	4.06	1.19	4.11	2.32	2.24	0.59	2.23	4.52	5.69	1.24	4.75	2.06	35.00
Seven Hills	4.35	1.20	2.22	0.06	3.50	1.10	7.80	6.50	11.10	5.07	8.73	3.39	55.02
Silverhill	6.61	3.28	4.83	1.15	1.83	1.06	5.04	5.28	8.66	4.43	6.90	5.90	54.97
Spring Hill	3.72	2.50	3.08	0.85									
Talladega	2.45	1.44	4.28	1.15	4.07	0.99	4.35	1.81	7.32	0.99	5.70	2.36	36.91
Tallassee	5.17	2.61	5.85	1.94	1.56	1.05	4.33	1.57	4.68	2.62	4.48	2.57	38.43
Thomasville	3.55	3.70	4.55	1.80	2.98	0.86	3.10	6.10	7.88	2.50	9.55	2.15	48.72
Troy (No. 1)	5.63	3.46	7.39	1.45	0.56	[0.76]	[3.90]	[3.23]	8.16	3.46	16.39	2.42	56.81
Troy (No. 2)	4.67	1.85	7.37	1.38	1.00	1.10	3.90	3.23	7.02	3.13	10.74	2.88	48.27
Tuscaloosa	4.24	2.07	4.48	1.61	7.04	2.47	2.42	5.20	3.48	3.72	8.59	3.80	49.12
Tuscumbia	2.42	3.81	5.48	0.62	7.62	1.14	4.02	2.12	3.23	3.57	5.27	2.88	42.18
Tuskegee	6.08	1.78	2.86	0.97	3.22	2.26	3.07	2.22	5.08	2.68	10.97	2.92	44.11
Union Springs	4.66	3.07	7.86	1.68	2.15	1.43	4.56	[1.02]	5.71	3.71	8.36	2.13	46.23
Valley Head	[3.90]	[3.25]	5.65	1.35	5.45	1.00	0.33	2.50	4.23	2.57	4.75	2.00	36.98
Wetumpka	4.32	2.06	5.57	1.95	1.94	2.81	2.75	3.91	6.37	1.50	4.12	3.14	40.44
Alaska													
Akiak	0.05		0.47			0.21	3.43	3.24	1.89	2.08	0.85		
Anchorage	0.47	0.34	1.61	0.36	0.82	0.37	2.38	3.68	1.96	0.26	0.44	0.18	12.87
Annex Creek	1.67	14.49	12.00	3.03	3.50	4.35	6.68	11.82	15.06	16.13	22.38	17.11	128.82
Barrow	0.04	T.	0.09	0.01	0.02	0.36	2.28	1.00	0.17	0.12	0.11	0.32	4.52
Bell Island	0.92	15.62	9.44		1.86	4.85	5.13	2.18	10.84	20.26	17.28	20.42	
Bethel	0.76	0.25	1.01	0.46	0.54	1.47	2.63	3.41	2.79	2.06	0.57	0.88	16.83
Calder	2.26	17.96	6.61	6.31	4.53	7.51	4.37	3.56	8.74	22.09	20.16	24.70	128.80
Chernofski Harbor	9.77	2.15	3.89	3.14	5.03	4.93							
Chickaloon	1.15	0.14	4.20	0.47	0.23	0.59	1.57	2.46	2.58	0.91			
Chignik	29.86	5.03	6.71	2.85	35.71	4.84	2.34	0.95	9.35	20.13	13.86	7.58	139.21
Crooked Creek					1.48	2.06	1.75	4.57	3.43	0.81			
Dillingham	0.61	0.71	4.35	2.95	1.73	1.09	4.40	3.38	1.82	4.88	2.31	3.70	31.93
Dutch Harbor	14.00	1.57	4.22	1.54	4.08	3.82	1.60	0.99	4.58	7.20	4.98	4.71	53.29
Eagle	0.18	0.39	0.51	0.29	1.00	1.11	1.17	4.01	2.10	0.75	1.38	0.28	13.17
Fairbanks	0.31	0.36	0.73	0.15	0.68	2.09	2.62	6.88	1.29	0.94	0.69	0.21	16.95
Fairbanks (near)	0.26	0.41	0.96	0.15	0.54	2.42	0.75	8.19	1.41	0.95	0.59	0.24	16.37
Fort Yukon	0.10	0.06	0.20	0.32	0.08	0.84	0.42	2.96	0.46	0.71	0.54	0.14	6.63
Goodnews Bay										1.74	0.95	0.42	

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
***Alaska*—Continued**													
Haines	1.64	9.14	6.33	1.96	1.23	1.89	3.68	3.53	6.80	10.95	12.56	16.68	76.39
Holy Cross	1.05	0.58	1.28	0.47	0.79	0.56	3.50	4.02	2.42	1.60	0.80	1.35	18.42
Hooper Bay	0.87	1.81										1.03	
Hot Springs										1.19			
Hydaburg		7.90	4.40		9.34	8.01	3.04		2.50	19.15	11.78	13.64	
Juneau	0.91	8.59	10.12	4.05	3.87	3.78	6.29	9.46	9.75	14.51	13.20	12.86	97.39
Kake	2.10	9.18	2.67	3.07	1.34	3.42	2.57	3.40	6.66	13.65	11.10	13.44	72.60
Kalsin Bay	8.12	4.07	6.30	4.35	10.19	8.44	6.63	3.05	6.65	5.26	8.37	9.72	81.15
Kasaan	1.86	12.64	5.42	6.50	4.27	4.35	4.58	2.28	9.68	13.75	12.37	14.80	92.50
Kasilof	0.50	0.10	0.35	1.00	1.69	2.90	3.16	0.48		0.35	1.30	0.61	
Kennecott	0.58	1.36	2.68	1.25	0.25	0.45	1.54	1.79	2.48	1.53	2.27	1.35	17.53
Ketchikan	1.82	14.96	9.49	9.00	6.02	10.72	6.55	1.63	13.37	24.14	23.90	35.16	156.76
Killisnoo (near)										7.39	7.67	6.81	
Klawock	1.02	9.74	6.35		3.76	5.16	2.81	2.30	9.15	15.82	14.63	18.43	
Kodiak	3.11	2.40	3.24	2.54	5.47	4.52	2.77	1.33	3.97	2.96	8.24	6.44	46.99
Kotzebue									1.36	0.38	0.97	0.67	
Latouche	4.40	10.13	16.82	8.32	11.93	2.72	8.19	10.10	14.80	14.03	27.88	31.32	160.64
Lignite										1.09	0.39	0.08	
McKinley Park	0.28	0.20	0.55	0.48	0.00	3.57	0.84	6.84	2.00	0.40			
Matanuska	0.87	0.46	1.42	0.57	1.12	2.72	2.08	6.21	5.42	1.49	2.18	1.24	25.78
Mile Seven (Cordova)	1.48	6.91	11.84	8.11	8.77	2.00	11.08	7.97	16.02	7.10	21.49	18.79	121.56
Naknek	0.70	0.40	1.56	1.44	0.79	0.64	3.83	5.15	4.31	1.32	1.47	3.75	25.36
Nenana										0.80	0.43	0.66	
Nome	2.45	0.71	2.05	0.77	0.46	1.84	4.90	5.76	1.98	2.44	0.11	0.87	24.34
Petersburg	1.51	11.91	7.25	5.85	3.84	5.07	4.53	5.55	10.28	21.34	21.12	21.27	119.52
Pilot Station	0.11	0.95	1.20	0.75							0.71	1.44	
Porcupine Creek	1.52	5.51	3.13	0.78	0.53	1.59	1.68	2.18	7.08	2.90	6.59	6.01	39.50
Port Alexander									19.70	31.70	31.64		
Quinhagak	0.54	0.35	1.87	0.48	0.57	1.57			3.12	1.24			
Rampart	0.21	0.08	0.93	0.12	0.75	2.18	1.01	3.72	1.07	0.60	0.43	0.13	11.23
St. Michael	0.47												
St. Paul Island	2.54	0.73	1.60	0.71	1.74	1.17	1.89	2.03	2.02	3.37	2.38	3.13	23.31
Sevoonga	3.00	1.25	1.30	0.28	0.52	1.06	1.25	2.41	1.19	1.36			
Seward	1.86	2.42	7.53	3.53	3.20	1.12	3.38	6.32	5.62	4.68	12.76	14.44	66.86
Shaktoolik	1.64	0.06	0.85	0.30	0.78	2.41	2.23						
Shelter Island	1.28	7.63	4.93	1.22	1.22	2.07	4.58	7.62	7.15	7.49	8.69		
Sitka	1.36	12.72	10.55	4.53	4.38	3.02	2.75	6.20	11.73	13.03	15.02	14.49	99.78
Skagway	0.21	2.21	0.43	0.16	0.33	1.01	3.35	2.80	2.70	5.12	8.27	7.50	34.09
Sleetmute		1.22	2.19			1.86	4.15		5.23	1.32	1.85	1.57	
Speel River	2.65	14.63	14.28	5.41	3.13	4.45	7.59	11.91	16.53	21.19	27.62	23.07	152.46
Talkeetna	3.20	T.	6.80	1.06	0.20	1.22	3.48	6.84					
Tanana	1.15	0.23	1.83	0.17	0.53	1.45	2.51	6.83	2.53	1.79	0.77	0.42	20.21
Tree Point	2.25	9.70	6.80	6.20	3.70	8.20	5.05	0.30	12.10	12.17	11.54	20.65	98.66
Valdez	1.32	3.73	13.55	2.93	5.05	1.41	5.77	5.91	10.41	4.15	13.17	7.61	75.01
Whale Island	3.47	0.86	0.84	1.65	7.09	5.07	4.88	2.28	3.30	3.17	6.62	4.00	43.23
White Mountain	0.52	0.15	1.77			3.60	3.09	4.25	0.84	2.68	0.82	2.15	
Wrangell	0.84	10.61	6.89	5.42	3.72	4.60	6.45	5.08	13.15	18.52	13.68	14.43	103.39
Yakutat	0.60	13.17	12.79	6.11	8.65	4.86	8.00	4.49	12.13	11.18	16.57	25.17	123.72
Arizona													
Agua Caliente	2.13	0.14	0.00	0.00	0.45	[0.05]	[0.19]	[0.63]	0.00	0.15	0.11	0.00	3.85
Aguila	2.59	0.25	2.03	0.12	0.99	0.60	0.33	1.30	1.05	0.63	0.72	0.00	10.61
Ajo	1.26	0.06	2.82	0.07	0.60	0.00	1.15	1.04	0.48	0.33	0.45	T.	8.26
Alamo Ranger Station	3.36	0.25	1.52	0.58	1.20	0.22	2.06	2.17	0.56	T.	3.03	0.32	15.27
Alpine	2.40	0.50	3.36	0.20	[0.52]	.29	4.22	3.46	1.73	0.80	3.53	0.20	21.21
Apache Powder Company	1.15	0.38	1.24	0.16	0.46	0.54	3.28	2.79	1.66	0.00	1.45	0.41	13.52
Ashdale Ranger Station	5.06	0.58	3.14	1.22	2.19	0.31	5.71	2.24	1.06	[0.20]	[2.32]	[0.08]	24.11
Ashfork	1.54	0.31	1.20	0.83	1.14	0.34	3.31	2.04	0.93	0.69	0.87	0.00	13.20
Baboquivari	2.81	0.44	4.03	0.20	0.69					0.10	2.20	0.20	
Bagdad	2.98	0.65	3.03	0.04	1.22	0.14	1.57	0.85	2.69	0.95	1.98	0.00	16.10
Benson	1.09	0.80	1.38	0.02	0.34	0.76	4.67	3.61	1.96	0.09	1.74	0.22	16.68
Big Spring Ranger Station					1.49	0.45	2.19	2.21	0.82				
Bisbee	1.39	0.89	1.88	0.19	0.54	1.18	7.06	5.30	1.14	0.65	2.20	0.90	23.32
Blue	2.24	0.22	0.95	0.38	0.47	0.19	3.94	2.15	[1.15]	0.95	[3.96]	[0.34]	16.94
Bowie	1.44	0.70	1.90	0.00	[0.42]	0.10	4.73	0.68	1.01	0.09	0.60	0.89	12.56
Bright Angel Ranger Station	5.27	3.34	2.41	0.78	2.91	0.99	3.25	2.76	1.75	0.33	3.11	0.00	26.90
Buckeye	1.28	0.19	2.39	0.38	0.95	0.00	0.38	1.04	0.84	0.08	0.13	0.00	7.66
Camel Back	1.81	0.28	1.36	0.38	1.17	0.43	0.32	0.96	0.33	0.19	0.59	T.	7.82
Canille	2.33	0.57	3.43	0.25	0.84	2.58	6.67	2.60	0.38	0.09	2.65	0.28	22.67
Canon	2.14	0.90	2.50	0.20	0.72	0.17							
Casa Grande	1.61	0.09	2.46	0.00	0.61	0.00	1.27	2.86	0.14	0.12	2.00	0.00	11.16
Castle Hot Springs	2.57	0.34	2.33	T.	0.84	0.52	2.48	2.85	1.10	0.20	2.32	0.08	15.63
Cedar Glade	3.70	0.26	1.34	0.45	0.96	0.40	0.60	3.50	1.65	0.41	1.65	0.00	14.92
Chandler	1.44	0.26	1.36	0.00	0.61	0.17	1.16	1.01	0.32	0.10	0.84	0.00	7.27
Childs	3.29	0.22	2.76	0.74	1.41	0.08	3.10	1.46	2.60	0.17	3.74	0.03	19.60
Cibecue	3.18	0.66	2.07	0.91	1.90	[0.20]	6.03	1.40	0.50	0.59	5.07	0.40	22.91
Clemenceau	2.32	0.15	2.11	0.56	0.08	0.38	1.82	2.84	2.55	0.13	1.13	0.00	14.07
Clifton	0.55	0.36	0.91	T.	0.21	0.02	4.10	3.06	1.23	0.11	1.01	0.26	11.82
Cochise Stronghold	2.20	0.57	3.77	0.31	1.04	0.12	3.74	3.69	1.71	0.00	3.14	1.48	21.77
Cordes	3.16	0.19	2.35	0.71	0.40	0.31	1.02	1.17	2.46	0.28	1.31	T.	13.36
Crown King	5.98	1.03	5.71	1.16	1.66	0.68	6.74	5.06	2.15	1.17	5.19	0.00	36.53
Douglas	0.20	0.25	0.91	0.08	0.08	0.30	5.78	3.46	0.75	0.61	0.66	1.12	14.20
Eagle Creek Ranger Station	1.57	0.46	1.39	0.63	0.62	1.04	3.97	1.90	1.00	0.08	2.16	0.57	15.39
Edgerton	1.75	0.40											
Elgin (near)	1.84	0.59	1.77	0.27	0.61	2.37	6.30	1.65	1.27	0.14	2.03	0.21	19.05
Fairbank	0.87	0.37	1.27	0.25	0.60	1.37	5.73	2.34	1.99	0.05	1.11	0.49	16.44
Flagstaff	2.93	1.06	2.41	1.43	0.73	0.18	6.06	1.90	2.06	0.13	2.55	0.11	21.55
Florence	2.03	0.14	2.24	0.25	0.53	0.00	5.49	3.16	0.56	0.26	2.54	0.10	17.30
Fort Apache	2.81	0.96	2.18	0.45	1.56	0.14	5.80	2.07	1.18	T.	3.16	0.26	20.57
Fort Defiance	1.55	0.63	0.99	1.73	0.29	0.08	2.72	[1.51]	[0.42]	[0.20]	1.45	0.05	11.62
Fort Grant	[1.78]	[1.40]	[3.45]	1.03	0.35	0.83	3.35	3.72	0.94	T.	2.64	0.20	19.69
Fort Mojave							0.02	1.33	0.00	0.25	0.52	0.00	
Fort Valley	4.18	1.87	2.27	1.26	1.08	0.55	7.41	2.22	1.64	0.28	2.84	0.05	25.65
Ganado	0.87	0.45	0.74	1.27	0.26	0.25	3.83	1.51	0.42	0.20	2.01	0.00	11.81

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Arizona—Continued													
Gila Bend	1.15	0.00	1.58	0.00	1.50	0.00	0.15	1.48	0.00	0.00	0.00	0.00	5.86
Gisela			2.78		1.49		3.83	0.83	1.91	0.43	3.62	0.56	
Globe	4.08	0.34	1.73	0.45	1.00	0.46	3.91	2.47	1.51	0.11	3.41	0.47	19.94
Goodyear	1.75	0.22	2.09	0.00	0.92	0.10	1.67	2.75	0.24	0.09	0.84	0.00	10.67
Goulds Ranch	1.50	0.17	1.70	0.56	0.96	0.30	0.52	0.67	0.31	0.00	0.74	0.00	7.43
Grand Canyon	1.89	0.92	1.01	0.87	1.72	0.51	3.54	1.89	0.93	0.26	1.36	T.	14.70
Granite Reef Dam	2.20	0.42	0.94	0.00	0.96	0.00	1.12	1.41	0.52	0.50	[2.30]	0.00	10.37
Heber	[1.50]	0.50	0.96	0.21	0.67	0.10	4.85	2.55	1.55	0.43	2.80	0.60	16.72
Helvetia	4.14	1.05	3.97	0.16	1.79	3.22	4.39	4.01	0.36	0.30	3.98	0.67	28.04
Henrys Camp	4.18	1.28	2.68	1.00	1.64	0.31	7.02	2.81	0.57	0.25	4.38	0.47	26.50
Holbrook	0.51	0.07	0.52	0.47	0.57	0.06	2.06	0.89	0.23	0.00	1.77	0.15	7.30
Intake	2.84	0.29	1.24	0.72	0.88	0.40	1.73	3.40	0.63	0.07	2.55	0.59	15.34
Jerome	2.72	0.68	2.21	0.25	0.95	0.42	4.38	4.47	1.37	0.43	1.33	T.	19.21
Kayenta	0.65	0.23	0.61	0.28	0.29	0.14	1.88	3.60	0.78	T.	0.76	0.00	9.22
Keams Canyon	1.00	0.44	0.62	0.95	0.16	0.07	1.04	1.81	0.54	[0.20]	[0.88]	0.00	7.71
Kingman	0.58	0.03	1.90	0.16	0.74	0.06	1.07	2.03	0.36	1.42	1.28	0.00	9.63
Lakeside	2.94	1.13	2.72	0.51	1.01	0.25	6.06	2.24	1.14	0.48	4.20	0.28	22.96
Lees Ferry	0.40	0.07	0.48	0.44	0.18	0.36	0.67	1.05	0.37	T.	0.59	0.00	4.61
Le Sage	1.99	0.05	2.48	T.	0.49	T.	0.71	0.17	0.00	0.40	0.19	0.00	6.48
Leslie Canyon	0.76	0.39	1.26	0.21	0.17	1.75	4.28	3.65	0.84	1.40	1.68	0.89	17.28
Lewis Springs	0.28	0.30	0.44	0.00	0.54	1.34	5.59	2.21	1.04	0.00	1.00	0.58	13.32
Litchton	1.34	0.22	1.75	0.34	1.48	0.45	0.78	0.61	1.04	0.14	0.41	T.	8.56
Maricopa	1.56	0.12	1.53	0.12	0.79	0.30	1.06	2.47	0.06	0.15	0.47	0.00	8.63
Marinette	1.49	0.26	1.40	0.20	1.30	0.40	0.91	0.40	0.80	0.22	0.70	0.00	8.08
Mesa	1.73	0.28	1.57	T.	0.67	0.15	1.36	0.47	0.13	0.21	1.01	T.	7.58
Miami	5.00	0.33	2.34	0.75	1.37	0.11	2.96	3.08	1.13	0.33	5.14	0.36	22.90
Mohawk	0.07	T.	2.05	T.	0.21	0.02	T.	0.03	0.00	T.	T.	0.00	2.38
Mormon Flats	3.03	0.64	2.66	0.57	1.18	0.50	2.22	4.80	0.42	0.44	2.30	0.10	18.86
Mormon Lake					1.86	0.17	6.05	2.64	2.36	0.59			
Mount Trumbull	0.99	0.51	1.33	0.09	2.21	0.58	1.46	2.45	[0.37]	0.81	0.25	0.05	11.10
Naco	0.45	0.60	0.95	0.00	0.40	0.60	8.86	2.97	1.70	0.38	1.68	0.85	19.44
Natural Bridge	4.60	0.92	4.38	1.69	1.90	0.50	7.21	4.45	2.26	1.13	5.04	0.25	34.33
Nogales	1.45	0.35	3.22	0.07	0.65	1.41	4.28	4.59	0.05	0.40	1.92	0.43	18.82
Oracle	3.18	2.10	5.40	0.35	2.31	0.49	6.20	4.01	0.43	0.43	6.29	0.47	31.66
Palmers Ranch	2.67	0.86	3.10	0.35	2.47	0.45	1.35	1.60	0.32	1.20	1.78	0.00	16.15
Paradise	1.54	1.26	2.31	0.19	0.59	0.43	6.33	2.34	1.21	0.50	1.91	0.96	19.57
Parker	1.34	0.02	1.15	0.07	0.05	0.00	T.	0.05	0.00	0.58	0.06	0.00	3.32
Patagonia	1.96	0.47	3.48	0.32	1.00	1.26	7.14	1.79	2.24	0.16	1.86	0.75	22.43
Payson	3.53	0.65	3.24	T.	1.38	0.10	3.26	3.38	1.79	1.01	3.63	0.21	22.18
Phoenix	1.69	0.19	1.77	0.20	1.31	0.16	0.68	0.86	0.51	0.16	0.51	T.	8.04
Phoenix Indian School	1.75	0.25	1.76	0.00	1.39	0.25	0.91	2.21	0.75	0.15	0.50	0.00	9.92
Pinal Ranch	6.79	0.44	3.63	0.78	1.61	0.18	3.80	3.04	0.73	0.33	6.53	0.46	28.32
Pinedale	1.91	0.22	1.84	2.03	1.05	0.09	4.41	2.29	1.09	T.	2.59	0.37	17.89
Portal	1.10	0.93	2.32	0.80	0.49	1.92	6.47	2.81	0.80	0.00	2.04	0.97	20.65
Prescott	5.25	1.06	3.02	1.49	1.52	0.08	5.24	3.16	2.03	0.54	2.86	T.	26.25
Quartzsite	0.96	T.	1.51	0.20	0.25	0.00	0.78	T.	0.00	0.35	0.08	0.00	4.13
Redrock	1.10	0.26	1.71	T.	0.50	0.70	0.80	1.49	1.92	0.00	0.60	0.21	9.29
Reno Ranger Station	3.76	[0.48]	[2.88]	[0.78]	1.25	T.	3.52	2.46	1.74	0.25	2.95	0.20	20.27
Rittenhouse Ranch	[2.27]	[0.12]	1.84	0.35	1.17	0.49	[1.79]	1.24	0.25	0.20	1.53	0.00	11.25
Roll	0.69	0.00	2.01	T.	0.64	0.13	0.43	0.38	0.00	0.06	0.05	0.00	4.39
Roosevelt	3.50	0.31	3.09	0.99	1.88	0.46	1.70	1.44	0.88	0.11	3.59	0.31	18.26
Rosemont	2.83	1.57	3.38	0.50	1.05	3.78	3.68	4.24	1.38	T.	1.12	0.57	24.10
Ruby	[1.86]	[0.36]	3.52	0.53	0.49	0.49	4.33	4.05	T.	T.	2.41	0.55	18.59
Rucker Canyon	1.90	0.51	2.93	0.43	0.84	0.71	6.52	5.23	1.00	0.74	2.96	1.55	25.32
Sacaton	2.27	0.12	2.19	0.25	0.66	T.	1.79	3.12	0.14	0.10	1.92	0.01	12.57
St. Johns	1.18	0.21	0.52	0.23	0.46	0.04	1.68	2.73	0.05	0.35	2.17	0.54	10.16
Salome (near)	1.70	0.11	2.16	0.01	0.20	0.22	1.78	0.43	0.11	0.22	0.29	T.	7.23
San Carlos Reservoir	[2.23]	0.32	3.12	0.36	1.01	0.30	[3.95]	1.94	1.01	0.24	2.87	0.39	17.74
San Rafael Ranch	1.24	0.68	3.13	0.24	0.75	1.01	6.02	3.29	0.43	0.98	2.36	0.34	20.47
San Simon	0.79	0.34	1.37	0.11	0.34	0.16	3.64	1.83	0.86	0.30	0.78	0.64	11.36
San Vincente	2.36	1.13	3.16	0.00	1.12	0.56	2.35	2.75	0.77	0.03	1.06	0.20	15.49
Santa Marguerita	2.27	0.38	3.00	0.38	0.37	0.29	4.51	3.54	0.90	0.00	1.50	0.00	17.14
Seligman	1.16	0.00	1.10	0.29	2.91	0.20	5.03	2.23	1.45	1.45	0.88	0.00	16.70
Snowflake	1.08	0.22	1.32	0.10	0.86	0.71	2.18	6.35	2.48	T.	2.06	0.10	17.46
Springerville	1.20	0.15	0.60	0.00	0.57	0.15	3.65	1.15	0.50	0.00	1.03	0.30	9.30
Spring Valley Ranger Station					1.10	0.18	9.58						
Stephens Ranch	0.74	0.45	1.73	0.39	0.07	0.51	6.26	3.13	1.22	0.91	1.16	1.53	18.10
Supai	[3.58]	0.00	[1.71]	0.90	0.87	0.40	0.41	0.36	0.97	0.38	0.53	0.00	10.11
Superior	5.37	0.44	2.79	0.60	1.60	0.07	2.82	4.77	0.58	0.20	4.42	0.34	24.00
Sycamore Ranger Station	3.07	0.30	3.57	0.58	1.36	0.00	2.79	[4.57]	1.28	T.	2.26	[0.00]	19.78
Tempe Date Orchard	1.84	0.30	1.43	0.34	0.60	0.10	0.63	1.28	0.40	0.10	0.77	T.	7.79
Tempe (No. 2)	1.67	0.33	1.83	0.46	0.68	0.09	0.57	0.64	0.05	0.04	1.04	0.00	7.40
Thatcher	0.38	0.71	1.50	0.99	0.53	0.02	3.99	1.93	0.41	0.14	1.24	0.28	12.12
Tombstone	1.03	0.48	1.20	0.29	0.75	1.93	8.63	1.49	2.22	0.78	1.30	0.82	20.92
Tonto Ranger Station				0.96	2.18	0.10	3.56	2.17	2.43	0.81			
Truxton Canyon	1.15	0.39	1.44	0.26	1.07	0.12	2.26	2.58	0.66	1.07	1.17	0.00	12.17
Tuba City	[1.44]	0.03	0.61	0.40	0.19	0.35	1.47	1.71	1.14	[0.46]	0.31	0.00	8.11
Tucson Airport	[0.81]	0.71	2.45	0.30	1.09	3.16	3.08	1.38	0.08	0.04	1.46	0.48	15.04
University of Arizona	0.81	1.23	2.32	0.57	0.93	1.12	1.03	1.47	0.37	0.09	1.04	0.29	12.27
Wallace Ranger Station	2.75	0.40	0.60	0.60	1.40	0.00	2.50	1.77	0.90	1.77	1.60	0.10	13.49
Walnut Creek Ranger Station	2.78	1.42	1.91	0.42	1.39	0.21	3.18	2.73	1.69	1.30	1.47	0.00	18.50
Walnut Grove	4.50	0.28	2.87	0.82	1.47	0.05	2.86	4.08	2.20	0.85	2.47	0.00	22.45
Wellton	0.62	0.00	2.23	0.03	0.66	T.	0.21	0.31	0.00	0.13	T.	0.00	4.19
Wickenburg	2.49	0.48	1.55	0.42	0.32	0.00	1.15	1.35	0.82	0.97	1.15	0.00	10.70
Wikieup	2.04	0.09	2.95	0.12	1.01	0.03	0.67	0.00	0.99	0.32	0.90	0.00	9.12
Willcox (near)	1.08	0.40	1.53	T.	0.50	0.00	4.98	0.70	1.68	0.24	2.82	0.54	14.47
Williams	5.30	1.51	1.98	0.88	1.58	0.95	4.89	2.09	2.01	0.61	3.10	0.00	24.90
Winslow	0.17	0.11	0.71	0.11	0.24	0.15	1.41	1.39	0.54	0.00	0.96	0.22	6.01
Wittman	1.60	0.20	1.95	0.57	0.93	0.15	1.26	2.05	1.24	0.29	0.85	0.02	11.11
Yaeger Canyon	2.06	0.70	3.57	1.13	1.24	0.97	3.32	4.57	1.84	0.63	1.83	0.03	21.89
Young	3.47	0.62	2.48	1.28	1.49	0.14	5.54	2.54	1.41	0.46	2.55	0.38	22.36
Yuma (Weather Bureau)	0.28	0.01	0.91	0.02	0.12	T.	0.21	0.04	T.	0.20	T.	0.00	1.79
Yuma Citrus Station	0.40	0.00	1.13	0.00	0.10	0.00	0.33	T.	0.00	0.20	0.00	0.00	2.16
Yuma Valley											0.13	0.00	

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Arkansas													
Amity	10.62	5.01	1.87	1.13	11.67	0.21	0.12	1.28	3.77	5.66	3.52	2.24	47.10
Arkadelphia	16.31	4.58	1.45	0.10	15.85	0.03	0.02	1.51	3.89	8.39	3.39	2.91	58.43
Arkansas City	5.07	3.46	3.38	2.29	13.25	0.34	1.88	2.88	3.79	3.74	5.39	3.36	48.83
Arlberg	8.71	3.47	1.00	1.77	8.65	0.23	1.12	4.45	3.58	8.05	5.30	1.11	47.44
Batesville	10.96	3.68	2.50	2.05	6.54	0.48	1.33	3.61	3.28	6.08	2.42	1.96	44.89
Bee Branch	7.16	4.12	2.28	2.14	8.90	0.25	0.60	4.17	3.77	7.42	3.52	1.50	45.83
Bentonville	4.91	3.34	0.82	2.46	5.82	4.74	2.00	2.62	5.73	4.38	4.26	2.58	43.66
Black Rock	10.04	2.87	2.50	1.99	7.20	0.22	1.93	2.95	4.34	5.93	3.26	2.08	45.31
Blytheville	11.67	4.14	2.74	1.10	5.35	1.03	0.03	0.23	3.19	2.55	1.96	2.82	36.81
Booneville	4.67	2.28	1.81	2.05	10.40	1.06	1.95	2.94	2.97	3.14	3.30	1.61	38.18
Brinkley	12.10	5.34	0.90	1.07	9.64	0.33	0.64	1.24	4.43	3.95	3.24	3.35	46.23
Calico Rock	7.15	3.24	1.79	1.78	5.75	0.60	1.26	2.61	7.64	7.34	3.24	1.52	43.92
Camden	11.92	4.73	3.12	0.55	17.68	1.09	0.06	3.53	3.77	5.48	4.90	4.84	61.67
Center Point	8.63	5.12	1.48	3.03	14.08	0.34	0.00	0.74	2.48	5.90	5.18	2.56	49.54
Clarendon	10.55	5.35	1.80	1.03	9.22	0.13	0.19	0.56	3.23	4.08	2.93	3.54	42.61
Clinton	7.94	4.46	1.49	1.73	9.28	1.55	0.13	4.69	2.86	8.00	6.03	1.30	49.46
Conway	10.36	3.82	1.59	0.22	8.07	0.02	0.43	1.55	4.05	2.88	2.34	1.26	36.59
Corning	11.28	3.19	2.32	1.82	5.08	0.34	0.70	1.19	4.80	4.31	2.54	2.25	39.82
Corning (river)	10.29	4.16	2.79	1.61	3.86	0.35	------	------	------	------	------	------	------
Cotter	6.15	2.05	1.14	2.74	7.84	0.92	2.35	3.04	6.29	6.51	3.80	1.39	44.22
Crossett	6.84	2.66	2.09	1.46	9.59	0.23	0.43	2.03	2.24	7.58	4.99	3.88	44.02
Danville	6.15	3.52	2.40	0.41	9.36	0.62	1.34	3.39	4.30	4.28	4.72	0.99	41.48
Dardanelle	5.94	5.17	2.50	0.61	9.32	0.61	0.20	4.36	5.73	6.09	5.44	1.82	47.79
De Valls Bluff	12.36	5.56	1.93	0.18	12.51	0.43	0.20	1.62	2.46	2.82	2.77	3.63	46.47
Dumas	11.36	3.82	3.01	1.77	13.19	0.94	0.78	1.03	2.30	3.80	3.91	4.00	49.91
Dutton	5.82	2.22	1.67	2.07	9.91	1.87	0.46	1.99	6.07	5.35	5.74	2.03	45.20
El Dorado	12.14	4.93	2.16	0.86	11.19	1.01	0.28	1.23	3.33	5.69	5.73	5.09	53.64
England	12.82	4.58	1.38	0.27	11.15	0.34	0.07	0.63	6.90	2.79	2.77	2.99	46.69
Eureka Springs	4.99	3.25	1.50	3.63	6.36	4.51	0.40	1.55	4.96	4.95	3.15	3.05	42.30
Fayetteville	4.52	2.92	2.69	2.81	7.26	3.85	0.25	2.76	4.31	3.65	2.32	2.81	40.15
Fort Smith	3.96	1.91	0.75	1.85	7.44	2.00	1.19	0.95	2.47	2.94	2.78	2.70	30.94
Freeman Springs	6.61	3.10	1.39	1.68	11.46	0.89	3.31	5.09	5.88	5.91	4.78	1.22	51.32
Fulton	12.47	5.63	3.21	0.82	13.82	0.21	0.04	1.44	4.51	4.92	7.33	3.03	57.43
Georgetown	13.57	5.18	2.93	1.18	10.95	0.70	0.20	3.81	4.43	3.05	2.10	2.69	50.79
Gilbert	5.95	2.30	1.40	2.49	7.71	0.75	1.02	1.91	4.89	5.63	2.45	1.45	37.95
Grannis	7.09	5.06	2.72	2.23	16.45	0.57	0.08	2.21	[2.82]	[5.52]	[5.95]	2.47	53.17
Gravette	4.25	2.91	0.54	2.75	8.14	6.20	0.14	2.45	6.85	4.50	4.17	2.20	45.10
Harrison	4.20	2.17	2.03	4.40	6.03	[2.28]	0.43	4.38	11.80	5.40	3.05	1.22	47.39
Helena	12.03	3.12	1.90	0.56	9.40	0.06	1.34	1.99	3.17	2.10	4.31	4.01	43.99
Higden	8.45	3.76	2.31	3.09	8.02	0.11	0.31	3.80	4.31	5.96	3.71	1.69	45.52
Highland	------	------	------	------	------	------	0.16	1.65	1.63	8.45	4.85	2.37	------
Hope	8.70	5.52	2.89	0.55	14.96	0.46	0.36	1.28	2.72	5.52	6.40	3.63	52.99
Hot Springs	12.06	5.51	1.54	0.34	18.51	0.25	1.16	2.11	2.37	6.20	3.14	2.33	55.52
Index	7.19	3.86	2.66	0.99	16.13	0.12	0.15	6.96	3.38	5.70	4.91	2.47	54.52
Jessieville	9.36	4.47	1.70	0.76	10.56	1.33	1.21	4.19	5.60	7.90	5.83	[1.72]	54.63
Jonesboro	11.79	3.83	2.69	1.41	5.84	0.70	0.67	1.87	2.62	3.28	2.39	2.91	40.00
Junction	[9.07]	2.69	1.10	0.64	16.86	[0.60]	0.56	0.88	[3.18]	5.70	5.22	[4.60]	45.10
Lead Hill	4.84	2.46	2.22	2.73	4.74	1.58	0.66	3.29	6.36	4.60	3.35	1.41	38.24
Little Rock	12.47	4.40	1.99	0.17	11.12	0.12	0.01	0.65	2.86	3.12	2.38	2.28	41.57
Lurton	6.41	2.64	1.94	2.21	10.95	1.71	0.71	6.34	5.99	5.34	4.70	1.54	50.48
Lutherville	6.58	3.27	1.58	1.48	10.93	0.85	0.27	7.15	5.23	4.17	4.45	1.42	47.38
Magnolia	10.18	4.60	4.17	0.62	16.78	0.30	0.00	6.36	3.80	4.28	5.30	4.84	61.23
Malvern	15.33	5.85	1.42	0.18	12.54	0.54	0.40	1.84	3.67	8.20	2.99	2.31	55.27
Mammoth Spring	[8.87]	[3.30]	[2.21]	1.68	6.57	T.	T.	3.11	6.73	6.76	2.87	0.95	43.05
Marianna	9.96	4.61	2.01	0.48	5.50	0.00	0.73	0.99	2.63	1.49	3.07	2.41	33.88
Marked Tree	12.76	5.51	3.62	1.41	10.80	0.13	0.63	1.00	1.92	3.40	2.59	3.55	47.32
Marshall	6.57	3.02	1.88	2.62	12.92	3.56	3.80	3.91	4.62	6.69	5.60	1.26	56.45
Mena	5.06	1.60	2.24	0.83	11.94	2.30	0.18	2.93	4.05	3.52	5.42	1.86	41.93
Morrillton	7.98	4.23	2.04	0.27	8.50	0.32	0.53	1.33	2.98	7.02	2.85	1.42	39.47
Mountain Home	[6.15]	2.45	1.68	2.05	6.22	1.41	0.91	1.46	6.63	7.13	4.20	1.46	41.75
Mount Ida	6.94	4.30	1.00	1.01	14.28	0.29	1.92	3.22	2.18	4.88	9.20	1.52	50.74
Newport	14.07	3.52	2.95	2.48	8.16	0.72	0.35	3.86	3.56	3.40	1.96	2.64	47.67
Norman	7.92	4.95	1.45	1.39	11.93	1.08	[1.92]	[3.22]	3.11	5.66	9.35	1.68	53.66
Oden	5.27	3.96	1.66	0.77	10.28	0.83	0.05	0.78	3.58	3.88	5.97	1.48	38.51
Okay [1]	8.63	4.36	1.62	1.52	10.04	0.02	0.05	2.46	3.61	6.64	5.14	2.56	46.65
Osceola	12.54	4.95	4.14	1.37	10.60	0.89	2.40	0.95	3.05	2.84	2.09	3.17	48.99
Ozark	3.21	2.20	1.23	2.05	8.33	1.11	0.10	1.40	3.95	3.80	4.67	2.64	34.69
Paragould	15.21	4.68	4.47	1.04	5.74	0.99	0.86	1.98	2.32	3.98	2.76	2.78	46.81
Patterson	14.35	3.92	2.96	1.04	9.64	1.22	0.49	2.17	4.57	3.37	2.91	3.41	50.05
Piggott	11.07	4.02	3.40	1.39	4.46	0.41	0.89	1.73	3.78	3.90	2.64	2.42	40.11
Pine Bluff	12.09	4.94	2.48	0.54	14.28	0.05	0.01	0.60	6.76	5.94	3.83	3.42	54.94
Pocahontas	9.43	3.78	2.34	2.02	5.72	1.00	0.94	4.84	4.31	5.72	2.45	2.22	44.77
Portland	4.27	2.92	2.04	1.00	9.87	0.19	0.71	0.93	2.77	4.01	5.00	3.95	37.66
Prescott	10.83	4.85	2.91	0.26	12.91	0.47	0.92	4.51	2.54	4.79	5.39	3.90	54.28
Princeton	12.76	5.19	1.52	0.00	13.72	0.27	0.24	2.83	5.84	7.31	3.89	4.72	58.29
Rison	11.82	4.53	2.11	0.18	13.50	0.42	0.83	1.97	3.65	4.93	4.20	3.88	52.02
Rogers	4.22	2.95	1.26	2.87	4.22	4.15	1.23	4.65	4.69	4.38	3.57	2.55	40.74
St. Charles	[10.66]	[5.03]	1.31	0.88	9.59	0.27	0.43	1.96	1.21	3.11	3.11	3.49	41.05
St. Francis	11.43	3.92	3.00	1.73	5.03	0.78	1.28	2.71	4.92	3.35	3.00	2.31	43.46
Searcy	13.70	4.38	2.79	0.89	9.18	0.39	3.02	7.93	4.79	3.47	2.29	2.52	55.35
Springbank	7.02	6.18	3.74	0.36	15.41	0.87	0.27	3.61	3.36	5.59	6.48	4.61	57.50
Story	5.77	4.07	2.09	1.06	10.24	0.64	0.82	2.30	3.46	5.41	7.53	1.59	44.98
Stuttgart	10.77	4.71	2.01	0.56	11.63	0.26	0.18	2.12	2.92	3.51	4.16	3.32	46.15
Subiaco	6.48	2.34	2.06	2.21	8.09	0.67	1.22	0.73	6.65	3.44	4.19	1.32	39.40
Texarkana	11.02	4.59	3.91	1.87	15.35	0.15	0.15	3.93	3.65	6.78	6.70	3.65	61.75
Thornburg	9.71	4.87	1.06	0.26	11.40	0.33	1.56	1.71	5.92	5.54	[3.68]	1.42	47.46
Waldron	5.08	1.91	1.45	0.81	10.16	0.73	1.17	1.54	2.44	3.17	4.16	1.88	34.50
Warren	12.10	4.11	3.43	0.70	13.89	T.	0.80	2.95	3.94	6.40	5.37	5.31	59.00
Waters	5.36	3.72	1.89	1.15	12.85	1.24	0.42	2.21	3.11	4.19	5.98	1.28	43.40
Whitecliffs	9.04	3.39	2.28	2.50	7.76	0.07	T.	2.20	3.05	5.35	5.16	2.65	43.45
Wilson	13.47	4.45	3.70	1.45	10.59	0.45	0.28	0.96	2.33	2.12	1.95	2.86	44.61
Winslow	5.52	2.66	1.26	1.56	9.42	2.88	0.46	0.91	5.00	4.89	5.94	2.78	43.28
Wynne	16.20	5.00	7.55	1.75	10.15	0.98	1.30	2.00	4.85	3.17	3.70	4.25	60.90
Yancopin	12.43	3.28	2.36	1.31	11.00	0.62	0.11	0.42	3.26	4.55	3.49	3.27	46.10

[1] Name changed from Saratoga.

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
California													
Abbotts	5.16	3.81	4.22	0.99	0.80	0.00	0.00	0.00	0.24	0.00	0.82	[T.]	16.04
Aguanga	4.94	0.94	2.33	1.08	2.26	0.00	0.00	0.00	0.00	0.33	1.47	0.00	13.35
Alvarado (near)	4.35	2.15	1.93	0.83	0.26	T.	0.00	0.01	0.10	0.60	1.03	0.08	11.34
Amago	8.89	2.15	5.97	1.63	7.78	0.00	0.03	0.00	T.	0.87	3.84	0.00	31.16
Amos	0.41	0.00	0.72	0.07	0.15	0.00	0.00	T.	0.00	0.00	0.03	0.00	1.38
Angiola	1.33	1.05	1.18	0.39	0.59	0.00	0.00	0.00	0.24	0.20	1.63	0.00	6.61
Antelope Valley	2.48	0.77	2.51	0.20	0.75	0.00	0.00	T.	0.16	0.14	0.93	0.00	7.93
Antioch	3.53	1.74	1.93	1.00	0.09	0.00	0.00	T.	0.40	0.85	0.48	T.	10.02
Ash Mountain	6.04	4.91	3.94	1.09	2.92	0.00	0.00	T.	0.29	0.08	4.34	T.	23.61
Auberry	5.59	4.08	1.97	1.19	1.37	0.00	0.00	0.00	1.03	0.00	3.09	0.47	18.79
Auburn	7.48	2.15	4.92	2.51	0.26	0.00	0.00	T.	0.27	0.36	3.58	0.58	22.11
Avalon	5.10	1.50	3.26	0.54	1.22	0.00	0.00	0.00	0.09	0.62	2.30	0.22	14.85
Bakersfield	1.13	0.66	1.01	0.38	1.59	0.00	0.00	0.00	0.19	T.	1.19	0.00	6.15
Barrett Dam	6.77	1.39	3.58	0.48	4.93	0.00	0.13	0.40	T.	0.27	2.66	0.00	20.61
Beaumont	7.57	0.84	5.36	0.73	4.83	0.00	0.00	0.00	0.00	1.10	2.04	0.00	22.47
Beaumont (near)	6.85	1.13	5.34	1.14	5.25	0.00	0.00	0.00	0.00	1.28	2.70	0.00	23.69
Bensons Ferry	4.16	1.51	2.08	1.34	0.48	0.00	0.00	0.05	0.17	0.69	0.83	0.11	11.42
Berkeley	4.19	2.37	2.84	1.50	0.26	0.00	0.00	0.00	0.14	0.50	1.06	0.65	13.51
Betteravia	3.86	1.19	2.80	0.94	0.49	0.07	0.00	T.	0.28	0.00	1.55	T.	11.18
Big Creek	6.01	5.51	3.03	2.00	2.92	0.00	T.	T.	0.97	0.27	3.25	0.01	23.97
Big Sur	9.63	6.70	5.94	2.13	1.60	0.04	0.00	0.00	0.17	0.02	3.82	0.27	30.32
Bishop Creek	1.28	2.24	1.37	0.93	1.48	0.30	0.04	0.94	0.24	0.72	0.41	0.00	9.95
Blue Canyon	8.70	5.10	4.54	4.03	2.45	T.	0.00	0.12	0.91	0.45	7.25	0.46	34.01
Blythe	0.76	0.03	0.83	0.06	0.09	0.00	0.31	T.	0.10	0.20	0.12	0.00	2.50
Bonita	4.43	0.67	3.03	0.29	3.66	T.	T.	0.00	T.	0.29	1.43	0.00	13.80
Bowman Dam	11.80	7.84	6.96	5.76	2.33	T.	0.00	0.13	1.54	0.33	8.78	1.38	46.85
Brawley	0.54	0.00	1.03	0.02	0.44	T.	T.	0.00	T.	T.	T.	0.00	2.03
Brooks	4.73	3.66	4.08	1.77	0.19	0.00	0.00	0.00	0.12	0.74	1.15	0.31	16.75
Campo	8.26	1.23	4.04	0.62	4.80	0.00	1.12	0.00	0.35	0.00	3.45	0.00	23.92
Camptonville (near)	11.13	5.66	7.56	4.96	2.85	0.00	0.00	0.00	1.41	0.27	6.19	1.61	41.64
Canyon Dam	5.78	4.32	3.45	3.45	1.84	0.00	0.00	0.00	2.30	0.38	2.89	0.98	25.45
Cedarville	3.39	1.53	0.83	0.51	0.67	T.	0.02	T.	1.64	0.59	1.22	0.18	10.58
Centerville Powerhouse	10.07	5.39	4.18	2.63	4.59	0.00	0.00	0.00	0.76	0.13	2.78	1.34	31.87
Chester	5.15	2.46	3.63	3.31	1.30	0.00	0.00	0.00	1.50	0.80	1.58	0.80	20.53
Chico	4.93	2.38	2.69	1.41	1.58	0.00	0.00	0.00	0.66	0.13	1.55	0.61	15.94
China Flat	8.18	8.30	2.05	3.88	0.65	0.00	0.00	0.00	0.71	1.01	5.79	2.95	33.52
Chula Vista	3.68	0.61	3.56	1.31	2.54	0.03	0.03	0.11	0.02	0.26	1.01	0.00	13.16
Chute Camp	10.39	5.45	5.86	3.23	2.36	0.00	0.00	0.00	1.08	0.53	7.86	1.26	38.02
Claremont	6.73	0.69	3.86	1.67	2.60	0.00	0.00	0.00	0.02	0.88	2.02	0.00	18.47
Clear Lake	4.23	2.38	3.15	1.09	0.25	0.00	0.00	0.00	0.21	------	------	------	------
Clements	4.40	2.14	2.56	0.75	0.13	T.	0.00	0.10	0.11	0.39	0.99	0.00	11.57
Cliff Camp	7.43	3.47	7.47	2.30	3.37	T.	0.00	0.07	0.83	0.20	4.06	0.00	29.20
Cloverdale	4.95	3.68	3.59	2.85	0.39	0.00	0.00	0.00	0.84	0.79	1.78	2.15	21.02
Clovis (near)	3.21	1.97	1.63	0.75	0.53	0.00	0.00	0.00	0.25	0.02	1.57	0.05	9.98
Coalinga	1.71	0.71	1.96	0.11	0.75	0.00	0.00	0.00	0.23	0.05	0.36	0.17	6.05
Colfax	6.47	3.89	6.78	3.39	0.84	0.00	0.00	0.11	0.26	0.53	5.12	0.24	27.73
Colgate	8.66	3.68	5.23	2.56	1.44	0.00	0.00	0.00	0.82	0.63	4.79	0.91	28.72
Colusa	2.77	2.44	2.80	1.26	0.12	0.00	0.00	0.00	0.33	0.26	1.05	0.04	11.07
Corona	4.86	0.62	3.03	1.45	1.85	0.00	T.	0.00	T.	0.31	1.15	0.00	13.27
Crescent City	9.92	10.44	2.52	5.55	2.63	0.37	0.00	0.00	5.31	2.36	5.34	5.71	50.15
Crockett	4.67	1.75	3.19	1.20	0.44	0.00	0.00	0.00	0.10	0.68	0.96	0.33	13.22
Cummings	12.07	9.18	4.19	5.40	1.18	0.00	0.00	0.00	0.93	0.80	6.73	5.99	46.47
Cuyamaca	16.82	3.02	6.47	1.45	8.80	0.00	0.00	1.53	0.05	0.88	5.64	0.00	44.66
Davis	3.80	1.66	3.48	0.92	0.18	0.00	0.00	T.	0.23	0.69	0.92	0.20	12.08
Deer Creek	12.65	6.68	7.25	5.71	1.95	0.00	0.00	0.26	1.13	0.31	9.30	0.89	46.13
Del Monte	5.33	2.70	2.77	0.99	0.64	0.04	0.00	0.00	0.06	0.03	1.23	0.03	13.82
Denair	2.39	1.56	2.65	1.27	0.50	0.00	0.00	0.00	T.	0.43	1.25	0.10	10.15
De Sabla	12.79	6.76	5.66	3.49	4.05	T.	0.00	0.00	1.63	1.07	3.70	2.09	41.24
Dinkey Meadow	7.04	3.40	7.04	1.35	1.55	T.	0.00	0.02	0.62	0.58	4.17	0.00	25.77
Dinuba	2.65	1.72	1.50	0.42	0.62	0.00	0.00	0.00	0.10	0.02	1.16	0.00	8.19
Dobbins (near)	10.79	3.27	5.35	2.97	1.54	T.	0.00	0.00	0.85	1.02	4.81	1.19	31.79
Downieville	12.07	8.45	7.89	6.53	------	------	------	------	------	------	------	------	------
Doyle	1.76	1.13	0.64	1.12	1.37	T.	T.	0.30	1.44	0.54	1.47	0.02	9.79
Dudley	1.74	0.52	1.60	0.01	0.94	0.00	0.00	0.03	0.12	0.05	1.42	0.00	6.43
Dudleys	9.25	7.42	6.88	2.97	1.16	T.	T.	0.05	1.08	0.50	5.89	0.26	35.46
East Park	3.02	3.37	3.24	1.14	0.97	0.00	0.00	0.00	0.47	0.51	0.83	0.63	14.18
Edison (near)	1.97	1.62	2.04	0.83	1.64	0.00	T.	0.00	0.11	0.12	2.10	0.00	10.43
El Cajon	4.65	0.80	3.83	0.62	3.69	0.00	0.04	T.	T.	0.47	2.22	0.00	16.32
Electra	6.16	3.87	4.47	2.01	1.33	0.00	0.00	0.08	0.20	0.45	3.62	0.35	22.54
Ellery Lake	6.65	5.20	8.02	6.10	4.92	0.53	0.16	1.84	1.21	1.15	3.01	0.16	38.94
Elliot	5.16	1.95	2.25	0.97	0.23	0.00	0.00	0.08	0.11	0.50	1.30	0.15	12.70
Elsinore	6.41	0.47	4.74	2.07	2.27	0.00	0.00	0.00	0.00	0.23	1.24	0.00	17.43
Escondido (No. 1)	6.68	1.31	2.91	0.38	5.17	0.00	0.15	0.00	0.00	0.57	1.97	0.00	19.14
Escondido (No. 2)	7.73	1.42	3.45	1.93	4.42	0.00	0.02	0.00	------	------	2.35	0.00	------
Eureka	6.32	4.92	1.23	2.54	1.04	0.13	T.	T.	1.12	1.21	3.20	2.50	24.21
Fairmont	3.48	0.44	2.60	0.74	1.67	0.00	0.00	0.00	0.07	0.01	1.25	0.00	10.26
Fall River Mills	3.83	3.54	0.74	1.77	1.31	0.13	T.	T.	1.94	0.45	0.95	1.07	15.73
Firebaugh	1.66	1.58	1.34	0.72	0.27	0.00	0.00	0.00	0.34	0.14	0.68	0.00	6.73
Folsom	5.87	1.56	3.61	1.54	0.20	0.00	0.00	0.12	0.17	0.43	2.20	0.35	16.05
Fontana	7.25	1.22	4.00	1.31	3.13	0.00	0.00	0.00	0.00	0.22	2.99	0.00	20.12
Fort Bidwell	3.19	2.17	0.76	1.19	0.83	0.16	T.	0.14	1.74	0.47	1.97	0.21	12.83
Fort Bragg	5.50	4.69	2.32	2.78	0.64	0.00	0.00	0.00	1.43	0.39	2.23	2.17	22.15
Fort Ross	5.27	5.96	3.20	1.99	0.43	0.00	0.00	0.00	0.93	1.13	3.41	1.71	24.03
Fresno	1.90	1.89	1.38	0.45	0.29	0.00	T.	T.	0.20	0.18	0.88	0.01	7.18
Friant	4.36	------	1.92	0.71	0.53	0.00	T.	0.00	0.22	0.07	1.44	0.00	------
Gem Lake	6.84	2.79	4.80	2.81	2.16	T.	T.	0.20	0.33	1.25	1.31	0.07	22.56
Giant Forest	8.94	8.64	4.61	2.14	4.38	0.00	0.00	0.02	0.43	0.16	4.28	0.00	33.60
Glennville (near)	4.62	3.05	2.99	0.99	2.66	0.00	T.	T.	1.42	0.03	3.88	0.00	19.64
Grass Valley	7.89	4.48	7.49	4.19	1.73	T.	0.00	0.05	1.08	0.71	7.27	1.23	36.12
Graton	6.72	5.65	3.80	2.19	0.81	0.00	0.00	0.00	0.90	1.09	3.62	1.67	26.45
Greenland Ranch	0.04	0.00	0.07	0.00	0.04	0.00	0.00	T.	0.00	0.00	0.00	0.00	0.15
Halwee	1.99	0.41	1.07	0.69	1.72	0.00	0.00	0.00	0.00	T.	0.04	0.00	5.92
Hamilton City	4.36	3.02	2.53	1.46	1.31	0.00	0.00	0.00	0.43	0.10	1.56	0.02	14.78
Hanford	1.66	1.00	1.66	0.16	0.37	0.00	0.00	0.02	0.38	0.07	0.67	0.30	6.28
Happy Camp	9.84	------	------	2.23	1.10	0.24	0.00	0.00	1.03	------	5.79	3.64	------
Hat Creek	4.36	3.64	1.12	1.61	1.40	0.13	0.00	0.00	1.78	0.26	0.73	0.31	15.34
Hayfork	6.61	5.80	1.35	2.23	0.09	0.00	0.00	0.00	0.63	0.66	3.81	1.61	22.79

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
California—Continued													
Healdsburg	7.02	6.59	3.76	2.15	0.79	0.00	0.00	0.00	0.49	0.63	1.87	2.37	25.67
Helm	1.22	0.86	1.28	T.	0.44	0.00	0.00	0.00	0.12	2.00	0.45	0.00	4.37
Hetch Hetchy	7.08	4.08	3.99	3.95	2.25	0.18	0.00	T.	1.89	1.05	3.90	0.29	28.66
Hollister	3.24	2.11	1.58	0.66	0.25	0.00	0.00	0.00	0.02	0.07	1.57	0.03	9.53
Hot Springs	5.99	3.75	3.91	1.05	3.82	0.00	0.00	T.	0.24	0.03	4.97	0.00	23.76
Hullville (near)	8.03	5.24	2.67	3.35	0.78	0.00	0.00	0.00	0.54	0.93	3.81	1.85	27.20
Huntington Lake	5.80	4.45	3.12	1.53	3.04	0.00	T.	0.01	0.72	0.05	3.13	0.04	21.89
Idria	3.45	1.65	3.16	0.30	0.40	0.00	0.00	0.00	0.25	0.00	0.75	0.00	9.96
Imperial	0.35	T.	0.38	0.03	0.41	T.	T.	T.	0.73	0.00	T.	0.00	1.90
Independence	0.65	1.66	0.53	0.22	0.64	0.00	T.	T.	T.	0.07	0.02	0.00	3.79
Indio	2.02	0.01	0.66	0.03	0.33	0.00	0.04	0.01	0.00	T.	0.18	0.00	3.28
Inskip	15.08	8.51	7.11	5.68	4.62	0.00	0.00	0.64	2.88	0.83	5.13	[2.30]	52.78
Jenny Lind	5.09	2.87	2.53	1.15	0.61	0.00	0.00	0.24	0.09	0.47	1.73	0.17	14.97
Julian	8.65	3.43	7.00	0.91	6.18	0.00	1.40	T.	0.10	0.88	6.66	0.00	35.21
Kennedy Mine	6.87	3.68	3.35	1.94	0.81	0.00	0.00	0.23	0.05	0.56	2.80	0.24	20.53
Kennett	6.91	8.13	6.26	4.69	0.80	0.01	0.00	0.00	4.40	0.87	4.12	1.42	37.61
Kentfield	11.73	6.13	5.59	1.78	0.31	0.00	0.00	0.00	0.41	1.20	3.98	1.46	32.59
Kernville	3.41	1.76	1.55	0.25	0.51	0.00	0.00	0.00	0.00	0.00	1.25	0.00	5.73
King City	3.36	1.46	1.65	0.51	0.30	0.00	0.00	0.00	0.00	0.00	1.17	T.	8.93
Kingsburg (near)	1.96	1.20	1.79	0.34	0.39	0.00	0.00	0.01	0.06	0.02	1.02	T.	6.79
Kingston	1.26	0.10	0.95	0.28	0.41	0.00	0.14	0.52	0.20	0.62	0.38	0.00	4.86
Knights Landing	4.09	1.46	3.14	1.16	0.54	0.00	0.00	0.00	0.19	0.54	1.15	0.20	12.47
La Grange	4.23	2.47	2.12	1.55	0.47	0.00	0.00	T.	0.21	0.26	2.45	0.00	13.76
Laguna Beach	5.97	0.48	3.01	0.20	1.77	0.08	0.00	0.00	T.	0.06	1.49	0.00	13.06
Lake City	4.17	1.95	1.06	0.83	0.92	0.17	0.16	0.14	1.64	0.60	1.59	0.22	13.54
Lake Eleanor	9.25	6.01	5.08	3.39	2.69	0.11	0.00	0.07	2.35	1.30	7.57	0.26	38.08
Lakeport	3.46	4.16	2.55	2.16	0.72	0.00	0.00	0.00	0.25	0.55	1.50	0.66	16.01
Lake Sebrina	2.18	2.33	1.91	1.29	2.16	0.32	0.20	1.08	0.24	1.00	0.76	0.00	13.57
Lake Spaulding	10.37	6.64	6.84	4.94	2.96	0.00	0.00	0.22	1.37	0.39	9.50	0.99	44.22
Lancha Plana	5.05	2.90	2.49	1.27	0.64	0.00	0.00	0.16	0.15	0.54	1.81	0.06	15.07
Las Plumas	10.35	5.38	5.39	2.74	2.26	0.00	0.00	0.00	0.72	0.35	3.26	0.72	31.17
Lathrop	3.20	1.86	2.04	0.76	0.27	0.00	0.00	0.09	0.05	0.65	0.44	0.00	9.36
Le Grand	2.17	2.03	1.45	0.73	0.45	0.00	0.00	0.00	0.15	0.00	1.50	0.50	8.98
Lemon Cove	3.19	2.18	2.34	0.61	1.20	0.00	0.00	T.	0.22	0.00	1.44	0.00	11.18
Lick Observatory	8.01	3.60	5.00	2.03	1.29	0.00	0.00	0.05	0.15	0.56	2.66	1.68	25.03
Lindsay	2.12	1.60	1.78	0.53	0.68	0.00	T.	T.	0.13	0.11	1.18	0.00	8.13
Livermore	3.64	1.91	1.88	1.14	0.43	0.00	0.00	T.	0.20	0.58	1.15	0.26	11.19
Llano	2.61	0.10	2.95	0.36	0.64	0.00	0.03	0.00	0.00	T.	0.27	0.00	6.96
Lodi	4.54	1.36	2.17	1.15	0.24	0.00	0.00	0.02	0.13	0.64	1.51	0.06	11.82
Long Beach	5.57	0.94	3.31	0.27	1.20	T.	0.00	0.00	0.03	T.	1.42	0.00	12.74
Los Alamos	4.22	1.45	3.29	0.59	0.89	0.00	0.00	0.00	0.29	0.00	1.64	T.	12.37
Los Angeles	5.57	0.45	3.99	0.15	1.04	T.	0.00	0.00	0.01	0.10	1.71	0.00	13.02
Los Banos	2.03	1.72	1.06	0.74	0.12	0.00	0.00	0.00	0.04	0.10	0.66	0.00	6.47
Los Gatos	6.66	4.19	7.60	1.35	0.34	0.00	0.00	T.	0.09	0.14	1.86	0.65	22.88
Lundy Lake	1.57	1.63	1.09	0.84	0.93	0.62	0.19	0.90	0.13	0.23	1.08	0.00	9.21
Lytle Creek	10.90	3.12	7.18	2.58	4.00	0.00	0.00	0.00	0.09	0.30	7.05	0.00	35.22
McCloud	5.90	4.95	4.77	4.30	0.96	0.21	0.08	0.00	3.31	0.80	1.69	1.68	28.65
Madeline	-------	-------	-------	-------	T.	T.	0.25	T.	1.84	T.	0.62	T.	-------
Madera	2.29	1.79	0.79	0.40	0.35	0.00	0.00	T.	0.19	0.07	1.11	T.	6.99
Maricopa	1.23	0.18	0.89	0.07	0.61	0.00	0.00	0.00	0.28	0.04	0.33	0.05	3.68
Mariposa	7.24	4.00	3.66	2.38	1.06	0.04	0.00	0.00	0.67	0.30	4.20	0.00	23.55
Marysville	5.25	2.61	3.41	1.00	0.13	0.00	0.00	0.00	0.06	0.32	1.87	1.12	15.77
Mecca	0.92	T.	0.77	T.	0.16	0.00	T.	0.13	T.	T.	0.05	0.00	2.03
Merced	2.35	1.82	1.57	0.91	0.45	0.00	0.00	0.00	0.04	0.06	2.01	0.00	9.21
Merced Falls	2.90	2.20	2.22	1.27	0.25	0.00	0.00	0.02	0.16	0.12	2.60	0.04	11.78
Middlewater	1.13	0.29	1.48	0.04	1.56	0.00	0.00	0.00	0.13	0.03	0.44	0.00	5.10
Mill Creek (Amador County)	6.48	6.38	6.36	3.02	2.17	0.00	0.00	0.23	0.69	0.67	6.38	0.62	33.00
Mill Creek (San Bernardino County)	5.43	1.40	6.27	1.45	5.73	0.00	0.00	T.	0.06	2.23	3.29	0.00	25.86
Mineral	9.67	6.73	3.81	5.67	2.59	0.00	T.	T.	2.71	1.38	3.18	3.20	38.94
Modesto	2.98	1.65	1.55	0.58	0.32	0.00	0.00	0.43	0.07	0.32	0.85	0.04	8.79
Montague	2.50	1.15	0.55	1.19	0.71	0.19	0.05	0.17	0.68	0.27	0.77	0.34	8.57
Mount Shasta	5.20	4.30	3.30	4.05	0.85	0.80	T.	0.00	1.65	0.55	1.75	1.20	23.65
Mount Wilson	8.39	1.22	8.02	1.29	4.01	0.00	0.00	0.00	T.	0.33	4.44	0.00	27.70
Napa	5.30	2.47	3.90	1.36	0.54	0.00	0.00	0.00	0.96	1.60	1.88	0.56	18.57
Needles	0.74	0.02	1.06	0.02	0.27	T.	0.30	0.29	T.	0.47	0.40	0.00	3.57
Nevada City	9.80	4.60	7.63	3.98	1.39	0.00	T.	0.06	0.87	0.49	6.89	1.00	36.71
Newman	2.62	1.43	1.49	0.84	0.13	0.00	0.00	0.00	0.09	0.00	0.64	0.00	7.24
Nicolaus	5.22	1.92	3.71	1.50	0.32	0.00	0.00	0.00	0.06	0.21	1.25	0.28	14.47
Norden	12.79	8.11	6.30	4.73	2.30	0.00	0.00	0.85	1.81	0.69	5.19	0.94	43.89
North Bloomfield	9.15	5.32	4.36	4.65	1.32	0.00	0.00	0.15	0.76	0.25	5.38	0.67	32.01
North Fork	6.41	4.92	3.43	1.91	1.83	0.00	0.00	T.	1.02	0.18	4.23	0.80	24.73
Oakdale (near)	4.86	2.22	2.52	0.99	0.42	0.00	0.00	0.12	T.	0.62	[1.11]	0.00	12.86
Oakland	4.71	3.46	3.36	1.04	0.23	0.00	0.00	0.00	0.23	0.58	1.84	0.30	15.75
Ojai	5.78	1.53	5.40	0.29	0.92	0.00	0.00	T.	0.09	0.02	2.46	0.00	16.49
Orland	3.74	3.07	3.12	0.62	0.63	0.07	0.00	0.00	0.36	0.18	0.78	0.56	13.13
Orleans	8.60	7.92	1.19	3.56	1.56	0.00	0.00	0.00	1.70	1.26	6.33	2.74	34.86
Oroville	5.04	2.49	3.31	1.72	1.05	0.00	0.00	0.00	0.65	0.21	1.79	0.25	16.51
Oxnard	5.92	0.83	2.82	0.46	0.37	0.13	0.00	0.00	0.10	0.00	1.58	0.00	12.21
Ozena	1.65	0.92	2.55	0.36	0.45	0.00	0.00	0.00	0.08	0.12	1.49	0.00	7.62
Palm Springs	4.64	0.50	0.58	0.00	0.60	0.00	0.00	2.03	0.00	0.00	0.45	0.00	8.80
Palo Alto	4.57	2.65	2.26	0.60	0.08	0.01	0.00	0.08	0.17	0.56	1.06	-------	-------
Parkfield (near)	3.71	1.58	2.50	0.52	0.78	0.00	0.00	0.00	0.54	0.00	1.26	0.00	10.89
Pasadena	6.25	0.59	5.85	0.64	2.42	0.02	0.00	0.00	T.	0.16	2.37	0.00	18.30
Paso Robles	4.32	1.80	3.00	0.54	1.01	0.04	0.00	T.	0.04	0.00	1.64	0.08	12.47
Pattiway	1.57	1.61	0.22	0.31	0.83	0.00	T.	T.	0.08	0.08	1.12	T.	5.82
Petaluma	4.72	2.62	3.35	1.30	0.20	0.00	0.00	0.00	0.48	0.97	1.29	0.38	15.31
Piedra	5.47	2.28	2.97	0.78	0.87	0.00	T.	0.00	0.17	0.04	1.53	0.00	14.11
Placerville	7.63	4.21	5.79	2.49	0.28	0.00	0.00	T.	0.10	0.35	4.54	0.53	25.92
Point Loma	4.28	0.82	3.81	0.26	2.60	0.10	T.	T.	0.02	0.13	1.44	T.	13.46
Point Reyes	3.20	1.11	2.29	1.05	0.18	T.	T.	0.00	0.86	1.41	1.33	1.12	12.55
Point Reyes Station	6.62	3.51	4.60	1.41	0.02	0.00	0.00	0.00	0.56	1.33	2.62	1.05	21.72
Pomona	6.58	0.86	3.60	0.42	3.57	T.	0.00	0.00	T.	0.68	2.01	0.00	17.72
Porterville	1.72	1.57	1.68	0.34	0.08	0.00	0.00	0.00	0.14	0.00	1.41	0.00	6.94
Portola	3.04	-------	0.21	0.00	0.60	0.00	0.00	0.01	1.14	0.00	0.50	0.01	-------
Priest Valley	4.04	2.43	3.59	1.02	0.64	0.00	0.00	0.00	0.69	0.24	1.32	0.00	13.97
Quincy	6.36	3.66	4.09	3.72	2.61	0.00	T.	0.00	2.30	0.14	4.56	1.32	28.76

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
California—Continued													
Ramona	6.65	1.15	4.62	0.28	4.72	0.00	0.00	0.00	0.00	0.84	2.43	0.00	20.69
Red Bluff	3.87	3.42	4.38	0.58	2.14	0.00	0.00	0.00	0.58	0.47	1.05	1.51	18.00
Redding	5.20	4.41	4.44	1.93	0.81	0.03	0.00	0.00	2.37	0.36	3.62	1.95	25.12
Redlands	5.57	1.00	4.43	0.98	4.13	0.00	0.00	0.00	0.00	2.18	1.25	0.00	19.54
Redwood City										0.57	1.42	0.25	
Represa	6.23	1.93	3.74	2.20	0.22	0.00	0.00	T.	0.21	0.40	2.38	1.31	18.62
Rio Vista	4.75	2.79	3.27	1.00	0.04	0.00	0.00	0.00	0.14	1.43	1.68	0.15	15.25
Riverside	4.65	0.64	3.27	0.67	3.21	0.00	T.	0.00	0.00	0.35	0.87	0.00	13.66
Rocklin	5.42	1.66	3.54	1.47	0.27	0.00	0.00	0.34	0.23	0.48	2.20	0.36	15.97
Ruth (near)	9.38	9.49	3.07	4.45	0.83	0.00	0.00	0.10	1.14	1.02	5.17	3.66	38.31
Sacramento	3.65	1.62	2.86	0.94	0.34	T.	0.00	T.	0.29	0.47	1.11	0.56	11.84
St. Helena	6.04	4.09	3.93	2.32	1.24	T.	0.00	0.00	0.67	0.60	1.99	0.93	21.81
St. John	3.99	3.41	2.94	1.31	0.81	0.00	0.00	0.00	0.29	0.18	1.06	0.00	13.99
Salinas	4.22	2.85	2.40	0.66	0.52	0.00	0.00	0.00	0.05	T.	1.08	0.28	12.06
San Bernardino	5.12	1.16	3.80	1.08	2.32	0.00	0.00	0.00	0.00	0.89	2.22	0.00	16.59
San Clemente	5.44	0.42	4.18	1.02	1.61	T.	T.	T.	0.00	0.45	1.08	0.00	14.20
San Diego	3.90	0.66	3.02	1.06	1.81	0.02	T.	T.	T.	0.22	1.04	0.00	11.73
San Fernando	6.59	0.91	4.75	0.16	1.48	0.03	0.00	0.00	0.03	0.29	2.43	0.00	16.67
San Francisco	4.99	2.94	3.53	1.56	0.16	T.	0.00	0.00	0.10	0.89	1.56	0.98	16.71
San Jacinto	5.35	0.63	3.87	1.08	2.72	0.00	0.12	0.00	0.00	0.26	1.40	0.00	15.43
San Jose	3.49	1.86	2.93	0.76	1.01	T.	0.00	0.01	0.05	0.23	0.73	0.49	11.56
San Luis Obispo	6.07	3.32	3.15	0.67	1.21	0.17	0.00	T.	0.14	0.04	1.98	0.63	17.38
San Pedro	3.94	1.66	3.63	0.15	1.54	0.00	0.00	0.00	T.	0.00	1.54	0.00	12.46
Santa Ana	6.28	0.64	4.49	0.36	2.19	0.02	0.00	0.00	0.02	0.15	2.03	0.00	16.18
Santa Ana River	6.02	1.94	6.17	1.95	5.70	0.00	0.00	T.	0.06	2.09	4.63	0.00	28.56
Santa Barbara	5.82	1.21	4.93	0.95	0.63	0.12	0.00	0.00	0.01	0.04	2.64	T.	16.35
Santa Clara	3.99	2.20	2.62	0.62	0.64	0.00	0.00	T.	0.05	0.29	0.79	0.27	11.47
Santa Cruz	6.32	5.85	4.70	0.75	0.30	0.00	0.00	0.00	0.75	0.25	2.50	0.30	21.72
Santa Maria	3.42	1.18	2.70	0.94	0.68	0.08	0.00	T.	0.16	0.02	1.55	T.	10.73
Santa Rosa	5.40	3.91	2.53	1.53	0.62	0.00	0.00	0.00	0.44	0.87	1.40	0.62	17.32
Scotia	6.77	6.54	3.54	3.39	1.09	0.22	T.	0.00	0.73	0.90	3.92	2.99	30.09
Scott Bar	3.32	4.15	0.61		0.43	0.38	0.02	0.00	0.62		4.05	2.29	
Seriterre	7.95	2.66	4.04	1.71	1.12	0.00	0.00	0.00	0.85	0.31	2.49	1.59	22.72
Seven Oaks	6.86	3.15	6.36	0.86	4.88	T.	0.37	0.03	0.06	1.42	4.33	0.00	28.32
Shield's Ranch	0.75	1.42	1.70	1.35	1.80	0.00	0.56	0.15	1.20	0.25	0.70	0.00	9.88
Sierra Madre	7.33	1.03	6.49	0.81	4.15	0.08	0.00	0.00	0.01	0.14	2.81	0.00	22.85
Sierraville	4.60	3.05	2.10	3.01	1.44	0.00	0.17	0.07	0.85	0.00	4.58	T.	19.87
Soda Springs				3.31	1.40	0.00	0.00	0.69	1.68	0.34	3.41	0.77	
Sonora	7.70	4.27	4.83	2.10	1.09	0.00	0.00	0.00	0.58	0.70	4.21	0.12	25.60
South Lake	2.35	2.84	1.84	1.20	1.58	0.24	0.12	0.82	0.30	0.44	1.21	T.	12.94
Spreckels	3.75	2.55	2.08	0.71	0.54	0.00	0.00	0.00	0.08	0.04	0.87	0.06	10.68
Springville (near)	7.41	7.56	4.69	1.57	4.15	0.05	0.00	0.00	0.41	0.00	6.53	0.00	32.37
Squirrel Inn	14.01	2.51	9.41	2.26	7.64	0.00	T.	T.	0.21	1.35	6.29	0.00	42.41
Steele Swamp	1.35	1.20	0.92	1.17	0.93	0.28	0.00	0.07	2.04	0.39	0.64	0.36	9.35
Stockton (No. 1)	4.11	2.16	1.59	0.81	0.16	0.00	0.00	0.11	0.14	0.87	1.00	0.05	11.00
Stockton (No. 2)	3.84	2.15	1.66	0.87	0.12	0.00	0.00	0.14	0.44	0.57	0.94	0.75	11.48
Stony Gorge Reservoir	2.60	2.99	4.28	0.51	0.46	0.00	0.00	0.00	0.85	0.48	0.72	0.52	13.41
Sunnyvale	3.57	2.46	3.14	0.39	0.22	0.00	0.00	T.	0.07	0.39	0.71	0.14	11.09
Susanville	4.90	2.95	1.19	1.18	1.28	0.20	0.00	0.00	1.38	0.35	[0.45]	0.34	14.22
Tahoe	6.08	4.65	3.25	2.01	1.00	0.00	0.00	0.13	0.45	0.26	3.95	0.23	22.01
Tehachapi	3.29	1.68	2.36	0.32	2.16	0.00	T.	0.00	0.02	0.03	1.63	0.00	11.49
Tejon Rancho	2.65	1.80	1.50	T.	2.45	0.00	0.00	0.00	0.08	0.22	2.00	0.00	10.70
Three Rivers	4.64	3.25	2.59	1.07	1.73	0.00	T.	T.	0.36	T.	2.94	T.	16.58
Trona	1.16	0.65	1.00	0.06	0.68	0.00	0.00	0.02	0.00	0.00	0.02	0.00	3.59
Turlock	2.77	1.42	2.71	1.17	0.50	0.00	0.00	0.00	0.03	0.59	1.06	0.00	10.25
Tustin (near)	5.34	0.44	4.23	0.72	2.29	0.11	0.00	0.00	0.00	0.11	1.61	0.00	14.85
Twin Lakes	13.26	10.93	5.84	3.95	3.35	0.00	0.18	0.69	2.26	0.45	6.20	0.62	47.73
Ukiah	5.90	5.39	2.50	2.69	0.47	0.00	0.00	0.00	0.49	0.42	2.07	1.21	21.14
Upper Mattole	10.85	11.75	5.95	7.10	1.25	0.00	0.00	0.00	1.95	1.10	5.55	6.10	51.60
Vacaville	5.43	3.37	3.63	1.80	0.24	0.00	0.00	0.00	0.27	1.39	2.68	0.27	19.08
Ventura	5.73	0.80	2.10	0.62	0.77	0.04	0.03	0.00	0.09	T.	1.93	0.00	12.11
Visalia	2.09	1.68	1.39	0.36	0.98	0.00	T.	T.	T.	0.10	1.01	0.00	7.61
Volta	7.09	5.64	2.97	2.85	3.41	0.06	0.00	0.00	2.20	0.75	1.44	0.95	27.26
Wallace	4.93	2.69	2.38	1.38	0.42	0.00	0.00	T.	T.	0.20	2.18	0.06	14.24
Walnut Creek	5.23	2.98	2.82	1.36	0.31	0.00	0.00	0.00	0.15	0.67	1.10	0.18	14.80
Warner Springs	6.94	1.52	3.38	0.56	4.34	0.00	0.24	0.54	0.01	0.33	1.80	0.00	19.66
Wasco	1.51	0.31	1.14	0.78	1.27	0.00	0.00	0.00	0.10	0.10	1.04	0.00	6.25
Watsonville	4.86	3.96	2.46	1.09	0.32	0.00	0.00	T.	0.15	T.	1.79	0.55	15.18
Weaverville	6.20	5.36	1.77	2.95	0.90	0.00	0.17	0.00	0.77	0.63	2.96	1.31	22.02
West Branch	13.78	6.84	6.60	6.22	4.37	0.00	0.00	0.08	2.72	0.86	5.77	2.43	49.67
Westhaven	1.40	0.72	1.51	0.18	0.75	0.00	0.00	T.	0.65	0.09	1.03	0.00	6.33
West Point	7.84	5.51	5.92	2.25	1.90	0.00	0.00	0.09	0.54	0.69	5.21	0.57	30.52
Westwood	4.75	2.67	1.90	1.94	1.86	0.03	T.	T.	2.46	0.53	0.66	0.41	17.21
Willows	2.86	2.83	3.47	0.88	0.29	0.00	T.	0.00	0.55	0.26	0.79	0.33	12.36
Woodland	4.31	2.34	3.81	0.99	0.29	0.00	0.00	T.	0.29	0.58	1.15	0.35	14.11
Wrights	9.68	6.13	9.71	1.99	0.59	0.00	0.00	T.	0.58	0.10	3.72	1.15	33.65
Yorba Linda	5.65	0.59	3.36	0.84	1.77	0.00	T.	0.00	T.	0.14	1.72	0.00	14.07
Yosemite	7.10	4.36	3.92	3.54	2.39	0.32	0.00	T.	1.06	0.52	4.55	0.23	27.99
Yreka	2.50	1.63	0.68	1.11	0.45	0.48	0.45	0.15	1.21	0.38	1.88	1.35	12.27
Colorado													
Ames	2.93	0.90	1.61	1.10	5.71	0.90	4.38	2.79	1.95	0.61	0.85	0.38	24.11
Arriba	0.01	T.	0.18	2.42	3.15	0.79	3.41	4.07	0.25	1.15	1.80	0.04	17.27
Auldhurst	0.44	0.26	0.64	1.46	1.52	0.96	5.05	4.90	1.21	0.36	1.10	0.30	18.20
Blanca	T.	0.13			0.25		4.50						
Bloom	0.01	0.00	0.60	1.28	3.92	1.26	3.45	1.54	[1.03]	1.20	3.60	0.32	18.21
Boulder	0.64	0.60	0.88	0.99	2.17	1.02	2.85	3.81	0.36	0.65	1.33	0.68	15.98
Buena Vista	0.46	T.	0.64	0.05	0.11	T.	5.85	2.25	0.30	0.46	0.45	T.	10.57
Burlington	0.04	0.11	[0.26]	2.06	6.20	2.03	3.57	5.28	1.28	2.96	2.65	0.11	26.55
Byers										0.31	1.06	0.42	
Calhan	0.17	0.05	T.	2.71	2.66	0.64	2.90	5.25	0.85	0.85	[1.70]	[0.80]	17.36
Canon City	0.58	0.30	0.59	0.83	0.98	0.15	3.23	4.02	3.10	0.35	0.67	0.09	14.89
Cascade	4.80	1.24	1.90	0.46	1.88	0.00	2.84	1.96	0.94	0.98	2.53	0.00	19.53
Cathedral	0.65	0.27	0.50	0.38	1.56	0.56	5.39	2.36	1.75	0.58	0.55	0.12	14.67
Cedaredge	2.97	0.67	0.20	1.09	2.26	0.27	1.28	1.61	1.28	0.35	0.71	0.15	12.84

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Colorado—Continued													
Cheesman	0.41	0.24	0.57	1.14	2.61	0.81	4.86	5.82	1.21	0.54	0.69	0.35	19.25
Cheyenne Wells	0.21	0.25	0.32	2.04	4.31	1.27	2.47	4.02	0.54	4.35	0.75	0.18	20.71
Collbran	3.30	0.71	1.63	0.50	2.53	0.16	1.55	1.51	1.26	0.81	1.88	0.80	16.64
Colorado Springs	0.23	0.40	0.61	0.42	2.50	0.48	6.59	3.25	0.51	0.41	0.21	0.03	15.64
Columbine	2.08	1.82	1.71	0.87	1.62	0.91	2.59	4.07	2.38	1.57	1.83	0.55	22.00
Columbine Ranch	4.14	2.25	0.75	1.05	2.58	0.63	1.40	4.57	2.33	0.90	1.91	0.21	22.72
Cope	0.31	0.04	0.22	3.28	4.07	0.73	2.82	9.74	0.12	0.58	3.40	0.25	25.56
Cortez	2.11	0.80	0.41	1.38	1.16	0.00	2.79	1.09	0.47	0.27	1.16	0.00	11.64
Crested Butte	0.32	[2.25]	1.38	0.06	0.09	0.39	5.50	5.65	2.77	0.16	0.89	0.01	20.07
Cuchara Camps	0.25	1.07	2.70	0.51	2.04	0.68	7.06	3.59	0.83	0.61	2.00	0.80	22.14
Cumbres	8.59	4.95	4.69	2.41	3.92	0.07	3.83	1.66	0.66	1.48	4.06	0.14	36.46
Del Norte	0.08	T.	0.10	[0.25]	0.27	0.00	3.45	0.91	0.45	0.00	0.78	0.00	6.29
Delta	1.95	0.27	0.25	0.31	1.07	0.03	0.67	1.28	0.96	0.81	1.05	0.04	8.69
Denver	0.48	0.16	0.44	0.60	1.07	0.17	1.76	2.02	0.27	0.63	0.90	0.62	9.12
Dillon	1.63	0.74	1.43	0.87	1.30	0.34	1.78	2.28	5.80	0.59	1.28	0.18	18.22
Durango	2.66	0.82	0.85	1.46	1.51	0.14	4.90	1.99	0.72	0.30	0.95	0.00	16.30
Eads	0.12	T.	0.00	1.20	[4.75]	1.77	2.18	1.41	0.72	0.99	0.33	0.00	13.47
Echo Lake	0.30	1.25	1.71	1.89	3.52	1.01	6.17	2.90	1.26	0.60	1.69	0.18	22.48
Edgewater	0.68	0.32	0.37	1.42	1.45	0.57	2.35	2.79	0.40	0.73	1.23	0.73	13.04
Elk Creek	1.13	0.51	1.11	1.28	3.34	1.61	4.87	6.71	1.89	0.59	1.50	1.12	25.66
Estes Park Fish Hatchery	0.40	0.40	0.90	0.08	0.26	0.40	2.10	[5.00]	0.04	0.04	1.14	0.02	10.78
Fort Collins	0.45	0.07	0.70	0.56	4.08	1.50	1.00	5.45	0.16	0.36	0.70	0.14	15.17
Fort Lewis	2.61	0.74	1.15	1.31	0.89	9.35	2.76	3.08	0.50	0.32	1.91	T.	15.62
Fort Lupton (near)	0.16	0.01	0.25	1.10	2.32	0.77	1.82	3.28	0.35	1.02	0.73	0.45	12.26
Fort Morgan	0.13	0.04	0.25	2.49	1.88	0.17	2.87	3.04	0.10	0.93	0.37	0.50	12.77
Fraser	4.05	3.00	2.19	1.56	2.03	0.75	4.69	2.78	1.05	0.87	1.07	0.62	24.66
Fremont Experiment Station	0.32	0.86	1.38	1.24	3.49	1.09	5.83	4.51	1.64	0.86	1.02	0.35	22.59
Fruita	2.57	0.36	0.24	0.77	1.10	0.18	T.	0.33	0.44	0.14	0.92	T.	7.05
Garfield	2.88	1.11	1.15	0.45	1.28	0.42	5.25	2.34	1.93	0.28	2.01	0.15	19.25
Garnett	0.06	0.00	0.28	0.10	0.76	0.19	3.23	0.95	1.06	0.22	0.12	T.	6.97
Glenwood Springs	2.79	1.55	1.05	1.06	2.30	1.13	2.19	1.85	2.31	0.53	1.59	0.45	18.80
Grand Junction	1.73	0.45	0.36	0.84	1.50	0.31	0.99	0.86	0.70	0.62	1.02	0.11	9.49
Greeley	0.12	0.05	0.33	0.47	2.41	0.30	1.09	4.65	1.82	0.46	0.65	0.15	12.50
Grover (near)	0.16	0.46	0.85	2.37	4.06	0.32	1.38	6.50	1.83	1.45	[0.70]	T.	20.08
Gunnison	1.73	0.95	0.31	0.01	0.91	[0.25]	[2.00]	[1.50]	1.13	0.07	0.28	0.19	9.33
Hartsel	0.30	0.10	0.12	0.23	0.86	0.33	3.24	3.81	0.35	0.62	0.67	0.10	10.73
Haswell	0.80	0.18	0.35	1.34	6.45	0.79	3.27	1.50	0.44	1.23	2.39	0.37	19.11
Hawthorne	0.75	0.87	1.04	1.04	3.11	0.68	3.56	3.71	0.49	1.10	1.59	0.74	18.68
Haxtun	0.25	0.22	T.	2.06	5.36	1.80	3.99	1.67	2.41	0.84	0.66	0.25	19.51
Hayden	2.45	1.00	0.42	0.34	------	------	------	------	------	------	------	------	------
Hermit (near)	0.83	0.31	0.36	0.43	1.36	0.39	4.99	2.91	2.07	2.49	1.07	T.	17.21
Holly	0.27	0.45	T.	0.87	3.04	0.64	3.58	3.01	1.16	4.46	0.96	0.20	18.64
Holyoke	0.53	0.04	0.05	1.64	5.25	3.03	3.67	4.49	1.57	1.56	1.20	0.13	23.16
Huerfano (near)	0.48	0.33	[1.40]	0.62	0.97	0.56	2.19	6.03	0.46	0.22	3.50	0.60	17.36
Idaho Springs	0.48	0.76	1.08	0.65	1.41	1.01	2.88	2.76	0.48	0.50	1.15	0.13	13.29
Ignacio	1.68	0.26	0.78	1.11	0.97	0.12	2.71	1.90	0.30	0.54	1.38	0.00	11.75
Julesburg	0.57	0.39	0.10	1.39	7.74	1.93	4.14	3.14	1.16	1.48	0.75	0.06	22.85
Kassler	0.50	0.52	1.14	0.98	1.62	0.23	3.34	1.51	0.49	0.54	1.13	0.66	12.66
Lake Moraine	0.34	0.66	1.25	1.48	2.93	1.87	7.05	4.02	0.67	0.86	1.20	0.52	22.85
Lamar	0.02	0.27	T.	0.57	3.73	1.41	3.36	1.62	0.86	5.22	0.79	0.48	18.33
Las Animas	0.00	0.00	0.00	[1.00]	2.30	1.52	3.34	2.25	0.35	2.10	1.70	0.17	14.73
La Veta Pass	0.82	1.38	4.24	0.20	0.98	T.	3.96	3.08	0.26	1.03	8.25	1.40	25.60
Lay	2.83	[0.64]	[0.40]	0.65	1.47	0.69	2.10	1.62	1.53	0.98	1.76	0.93	15.60
Leadville	2.21	1.35	1.66	0.87	1.17	0.11	6.15	4.15	1.34	0.21	1.21	0.11	20.04
Le Roy	0.20	0.17	0.24	1.42	4.26	1.67	3.60	3.09	1.25	1.05	1.66	0.14	18.75
Limon (near)	0.19	0.00	0.06	0.86	3.01	0.64	1.77	3.75	0.57	0.12	1.70	0.36	13.03
Long Branch	0.19	0.10	0.30	1.73	4.56	0.60	0.88	3.17	0.49	1.45	2.40	0.30	16.17
Longmont	0.31	0.12	0.41	0.90	3.06	0.84	1.83	4.76	0.91	0.49	0.43	0.28	14.34
Longs Peak	0.57	1.05	0.73	0.28	1.45	0.55	3.33	4.74	0.34	0.37	1.59	0.08	15.08
Manassa	0.08	T.	0.35	T.	0.47	T.	2.71	0.54	0.30	0.41	0.49	0.05	5.40
Meeker (near)	[2.80]	0.93	0.46	0.74	1.44	0.47	1.73	2.68	2.34	1.35	1.18	0.69	16.81
Mesa Verde Park	2.14	0.71	1.10	1.12	0.24	0.11	4.60	2.03	0.88	0.17	1.21	0.00	14.31
Montrose	0.99	0.13	0.62	0.60	0.97	0.54	1.20	1.73	0.77	0.38	1.05	0.10	9.08
Monument	0.29	0.55	0.88	2.02	2.95	0.69	4.83	7.10	0.52	0.64	1.64	0.37	22.48
Nast	0.27	[1.76]	[1.25]	[0.64]	0.10	0.01	2.60	[3.23]	[1.93]	0.90	2.70	[0.59]	16.08
Northdale	------	------	------	------	------	0.30	2.18	0.86	1.95	0.93	1.93	T.	------
North Lake	1.08	0.66	2.48	0.34	3.08	1.46	8.03	4.85	1.16	1.19	1.79	0.53	26.65
Norwood (near)	0.14	------	------	------	------	------	4.44	1.13	3.25	------	------	------	------
Ordway	0.31	T.	0.58	0.70	4.19	0.88	[1.80]	1.57	0.65	1.61	2.10	0.38	14.77
Pagosa Springs (near)	3.99	1.76	1.58	1.65	1.29	0.48	3.61	1.95	0.91	0.99	2.60	0.05	20.86
Palisade	1.30	0.11	0.00	0.94	1.61	0.19	1.37	1.33	1.29	0.23	0.45	0.36	9.18
Paonia	2.96	1.59	0.85	1.57	2.09	0.08	1.40	3.23	0.73	0.73	[1.15]	1.04	17.42
Parker	------	------	------	------	------	------	3.11	2.94	0.33	0.81	1.89	1.03	------
Pearl	1.55	1.46	1.39	0.11	0.82	0.57	1.54	3.49	1.98	0.89	1.42	0.05	15.27
Peetz	0.38	0.33	0.26	2.64	4.86	1.56	2.73	3.28	1.01	5.01	0.41	0.10	22.57
Penrose (near)	0.24	0.87	0.44	0.57	1.91	0.42	2.18	4.81	0.80	0.27	1.22	0.25	13.98
Pitkin	2.25	1.23	0.55	0.15	0.92	0.49	2.32	1.62	1.17	0.02	0.49	0.19	11.40
Pueblo	0.51	0.06	0.56	1.24	2.12	1.89	2.64	3.03	1.03	0.57	0.44	0.13	14.22
Rico	5.21	1.45	1.63	1.41	1.59	1.60	5.03	3.02	2.56	0.76	1.83	0.08	26.17
Rifle	[2.70]	[0.80]	0.20	0.12	2.36	0.39	2.15	3.81	1.16	0.68	1.40	0.07	15.84
Rocky Ford	0.10	0.01	0.32	1.12	2.06	0.30	1.91	0.88	1.06	1.86	2.00	0.09	11.71
Rush	0.04	0.02	0.06	1.53	3.63	0.24	1.96	4.08	0.74	0.40	[1.80]	0.09	14.59
Saguache	0.32	T.	0.27	0.20	0.63	0.17	4.16	1.49	0.53	0.14	0.28	T.	8.19
Sapinero (near)	3.73	2.02	2.15	1.00	2.34	0.48	2.07	2.38	1.62	T.	0.91	0.96	19.66
Savage Basin	4.60	2.90	6.30	3.50	4.60	0.30	3.90	3.00	2.30	1.20	1.90	0.80	35.30
Sedgwick	0.48	0.30	0.02	1.84	6.05	2.51	3.97	3.98	2.30	1.25	2.16	0.03	24.89
Shoshone	1.55	0.60	0.76	0.78	2.41	0.97	[2.00]	1.99	1.45	[0.55]	1.50	0.42	14.98
Silver Lake	2.45	6.64	2.58	2.25	1.40	1.60	6.14	5.43	1.07	1.03	1.19	0.12	31.90
Silverton	1.98	0.91	2.23	1.05	2.20	T.	3.61	1.86	2.70	0.90	0.93	0.05	18.42
Simpson	------	T.	------	0.77	1.67	------	3.89	------	------	------	------	------	------
Spicer	1.23	1.15	0.67	0.32	0.16	0.21	1.95	2.98	1.04	0.72	1.70	0.20	12.33
Springfield	0.40	0.25	0.55	1.30	2.15	2.00	5.95	1.77	0.75	3.30	1.00	1.00	20.42
Steamboat Springs	------	1.84	------	------	------	------	------	------	2.05	1.58	1.36	1.15	------
Sterling	0.31	0.15	0.44	1.48	3.76	1.32	3.17	4.53	2.06	1.17	1.05	T.	19.46
Sunbeam (near)	0.73	0.27	0.29	0.50	1.52	0.39	1.41	2.41	1.60	0.50	1.98	0.44	12.04
Tacoma	3.47	0.77	1.64	1.19	0.99	0.18	4.07	2.21	1.61	0.76	2.85	0.00	19.74
Telluride	1.73	0.95	1.40	1.38	3.17	0.43	2.63	3.32	1.05	0.25	0.78	0.15	17.24

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Colorado—Continued													
Terminal Dam	4.36	1.80	2.31	1.83	1.50	0.00	4.03	2.48	2.04	0.84	1.85	0.00	23.04
Trinidad	0.30	0.14	1.55	0.58	2.67	1.30	4.87	1.22	0.71	2.25	3.13	0.52	19.24
Trout Lake	2.67	1.16	2.27	1.25	4.53	1.24	4.88	3.71	1.75	1.25	1.02	0.55	26.28
Two Buttes	0.24	T.	0.02	1.58	3.86	1.29	2.69	1.47	1.56	3.94	0.70	0.60	17.95
Utleyville	T.	0.06	0.32	0.97	1.81	0.72	4.42	3.92	1.92	2.93	1.98	0.26	19.31
Victor	0.25	0.70	1.52	0.92	0.77	0.80	7.74	6.56	0.59	0.01	0.50	0.05	20.41
Waterdale	0.40	0.19	0.95	1.03	4.20	0.95	1.74	7.71	0.19	0.64	0.67	0.30	18.97
Willow Creek	1.66	0.85	0.13	0.01	0.46	T.	3.30	3.70	0.96	[1.40]	[1.30]	[0.90]	14.67
Wray	0.11	0.26	0.16	0.95	4.93	2.15	3.15	2.67	0.29	2.39	1.21	0.01	18.28
Yuma	0.43	0.10	0.12	1.41	4.58	2.55	2.46	3.24	0.18	0.91	1.28	0.04	17.30
Connecticut													
Branford				2.12	4.27	4.31	2.33	1.31	0.40	2.23	5.92	2.06	
Bridgeport	2.79	2.92	3.23	2.52	3.71	3.99	1.63	3.75	1.87	1.98	6.58	3.04	38.01
Colchester	2.96	3.97	4.04	2.40	4.73	4.48	2.21	2.61	1.27	2.99	3.69	3.79	39.14
Collinsville	2.37	2.27	3.91	2.13	4.57	3.33	3.31	2.83	2.67	1.96	4.10	2.48	35.93
Cream Hill	2.07	2.03	3.31	1.83	3.38	6.52	3.59	3.58	3.82	1.66	3.25	2.82	37.86
Dawson				2.59	4.64	3.58	1.79	2.00	0.85	2.03	5.44	2.38	
East Hartland	1.86	1.65	3.19	2.70	4.59	5.13	3.12	4.36	1.55	2.31	4.68	2.79	37.93
Falls Village	1.85	1.87	2.94	1.71	3.19	6.17	3.10	3.57	4.01	1.56	3.21	2.75	35.93
Hartford	2.51	2.05	3.64	1.68	4.57	4.54	2.55	1.92	1.31	2.43	3.51	2.35	33.06
Lake Konomoc	2.57	3.78	1.89	1.27	4.63	2.87	1.14	2.41	0.62	3.08	3.62	3.70	31.58
Milford				2.26	4.43	3.66	1.60	2.33	0.84	2.22	7.31	2.87	
Nepaug								3.03	3.04	2.14			
New Hartford								2.13	1.10	1.80			
New Haven	2.86	3.27	3.50	2.09	5.45	2.43	1.65	1.35	0.47	2.50	6.73	2.42	34.72
New London	2.89	3.73	2.32	1.74	3.63	2.94	2.59	1.39	0.59	2.81	4.30	3.78	32.71
North Branford				2.28	5.22	4.49	2.12	1.14	0.53	2.62	6.04	3.47	
North Grosvenor Dale	2.82	2.97	2.95	1.70	2.86	2.70	3.34	1.74	0.90	2.73	3.19	3.51	31.41
North Guilford					4.68	4.59	2.60	2.12	0.67	2.89	4.76	1.38	
Norwalk	2.98	2.69	2.15	2.51	3.29	4.41	1.54	2.97	1.32	2.07	7.30	2.85	36.08
Prospect				2.56	4.49	5.33	1.78	3.74	1.46	2.05	5.58	1.76	
Saltonstall				1.94	4.18	2.67	1.96	1.65	0.39	2.33	5.78	2.23	
Storrs	2.63	2.36	3.75	2.32	2.92	2.58	3.49	1.90	0.58	2.79	2.97	3.45	31.74
Waterbury	2.37	2.36	3.55	1.61	3.28	4.48	1.57	2.09	0.90	1.95	4.37	2.82	31.35
Wepawaug				2.22	5.04	3.07	1.20	1.98	0.83	1.91	6.01	2.76	
Whitney				2.34	4.97	3.05	1.64	1.16	0.64	2.46	5.61	2.79	
Windsor				1.54	4.48	3.73	2.63	2.33					
Delaware													
Bridgeville	3.45	1.87	1.83	1.93	2.69	3.01	2.53	0.92	2.52	1.34	1.71	1.92	25.72
Delaware City	3.07	2.30	2.10	2.11	2.75	2.65	1.70	1.10	2.36	1.35	1.45	1.77	24.71
Dover	3.81	1.79	1.63	2.32	2.61	1.97	3.75	3.06	4.34	1.17	2.04	2.11	30.60
Milford	3.81	1.71	2.27	2.05	5.38	3.47	6.01	1.40	1.32	1.52	2.56	2.02	33.52
Millsboro	3.40	1.64	1.62	1.70	2.35	2.20	1.42	1.73	2.32	2.25	2.72	1.59	24.94
Wilmington	3.25	2.95	2.57	1.80	3.15	1.97	2.61	1.34	3.97	1.08	1.78	2.45	28.87
District of Columbia													
Washington	2.85	1.64	2.26	3.12	1.81	3.19	2.30	0.62	0.76	0.28	0.79	2.04	21.66
Florida													
Apalachicola	6.36	1.26	8.23	2.00	0.62	2.68	5.28	2.68	10.18	0.58	8.67	3.35	51.89
Arcadia	2.30	3.76	4.95	5.38	6.66	9.73	4.44	5.83	15.66	1.89	0.56	4.30	65.46
Avon Park	4.00	4.17	6.59	3.95	7.55	11.37	4.49	7.06	18.22	2.42	1.25	4.13	75.20
Bartow	4.08	4.86	7.72	4.12	11.15	12.76	6.83	3.57	11.29	1.28	1.16	5.14	73.96
Belle Glade	1.92	2.40	6.32	6.03	3.35	20.21	6.48	3.74	3.58	4.94	0.56	3.54	63.07
Blountstown	7.30	3.08	7.51	4.71	0.96	3.41	9.28	3.86	7.32	0.49	8.45	4.17	60.54
Bluff Springs	6.06	2.06	4.28	0.83	1.56	3.65	3.40	5.38	11.31	3.85			
Bonifay	5.13	2.83	5.55	2.38	0.20	1.07	6.87	3.04	11.10	[2.75]	10.69	2.57	54.18
Bradenton	3.10	4.54	5.87	5.55	3.75	6.27	2.69	2.52	4.42	1.91	0.09	6.21	46.92
Brooksville	1.83	3.17	9.10	1.60	5.88	9.86	1.96	4.42	9.56	2.03	0.62	8.30	58.33
Carrabelle	5.68	2.50	8.34	2.65	0.40	2.59	4.07	3.43	10.35	0.70	12.46	4.78	57.95
Cedar Keys	3.40	2.29	9.49	1.91	3.10	7.36	5.70	4.98	6.75	1.40	3.30	4.12	53.80
Chapman Field Garden	4.50	2.78	2.22	4.32	2.23	21.37	2.44	8.11	5.72	13.37	1.65	1.25	69.96
Clermont	2.04	4.07	11.81	2.85	3.67	10.22	7.69	4.26	12.02	3.04	0.55	5.53	67.75
Coral Gables	1.62	2.00	2.12	3.01	[2.50]	[21.50]	2.60	2.66	2.62	3.27	1.19	0.69	45.78
Cottage Hill	6.19	3.72	4.93	0.61	2.36	1.22	4.73	3.82	11.58	4.59	9.50	5.09	58.34
Crescent City	2.66	3.32	9.27	2.44	2.46	16.25	1.95	4.91	9.39	0.74	1.18	6.27	60.84
Davenport	2.18	[3.50]	7.52	3.99	4.43	9.07	3.69	5.12	14.79	1.35	2.65	4.60	62.99
Davie	2.74	4.93	5.26	4.90	3.58	24.51	6.99	6.05	5.52	8.13	5.12	1.53	79.26
Daytona Beach	2.13	2.55	8.17	1.87	2.85	15.44	2.05	2.80	5.66	2.56	2.04	6.58	54.70
DeFuniak Springs	6.62	2.29	6.22	2.00	2.23	2.17	4.50	3.77	8.64	4.01	16.28	2.66	61.39
De Land	1.51	2.60	9.65	2.06	3.37	16.95	3.38	8.52	12.32	1.72	0.87	7.17	70.12
De Soto City	2.55	3.07	7.28	4.72	9.90	8.36	2.36	5.69	12.58	1.50	0.50	1.80	60.31
Eustis	2.19	3.52	9.80	2.58	4.56	9.08	3.00	1.15	10.76	1.31	0.48	7.41	55.84
Everglades	1.96	2.53	5.88	1.32	6.56	11.03	9.00	10.12	13.55	5.08	0.31	1.50	68.84
Federal Point	3.02	3.02	8.51	1.13	2.43	14.83	3.72	2.84	6.95	1.85	2.62	7.47	58.89
Fellsmere	2.60	3.86	7.10	7.13	8.87	9.84	4.74	4.76	9.67	3.06	4.48	4.05	70.16
Fernandina	[4.00]	2.36	8.01	1.58	1.95	11.51	2.27	0.35	6.82	0.42	3.97	1.41	44.65
Fort Lauderdale	3.05	1.75	6.36	5.83	2.77	24.24	4.35	4.40	4.31	6.96	4.06	1.61	69.69
Fort Myers	1.09	2.88	5.08	5.89	6.80	14.61	4.65	5.97	13.73	1.88	0.13	2.45	65.16
Fort Pierce	1.78	5.28	5.43	7.72	7.41	11.88	2.78	3.84	7.34	4.78	2.90	3.49	64.63
Gainesville	3.87	3.11	6.49	2.12	4.99	12.03	3.10	3.40	8.64	1.08	1.68	4.90	55.41
Garniers (near)	7.44	2.13	4.19	1.78	[1.50]	3.16	4.06	4.22	10.09	5.77	11.29	3.56	59.19
Glen St. Mary	4.82	1.36	12.03	2.30	2.01	14.90	3.93	3.74	6.33	1.21	2.77	3.90	59.30
Hastings	3.28	2.14	8.68	1.62	4.76	13.26	4.05	4.14	8.95	1.69	2.91	6.58	62.06
Hilliard	5.29	1.65	8.95	4.70	1.17	12.54	5.38	4.23	4.86	0.79	3.70	2.77	56.08
Homestead	2.85	2.15	3.66	4.81					4.97	9.13	1.13	1.20	
Hypoluxo	2.29	6.01	4.97	7.80	5.51	10.83	1.13	3.03	8.28	6.94	0.65	2.96	60.40
Indiantown	3.13	3.28	4.61	10.09	6.28	22.42	5.33	2.22	7.16	4.14	[1.00]	[3.00]	72.66
Inverness	2.60	3.25	12.88	2.84	4.92	15.78	2.96	5.92	8.39	1.36	0.28	7.03	68.21
Isleworth	2.28	4.03	9.19	3.49	3.41	17.50	4.79	5.80	9.90	2.20	1.02	5.00	68.61
Jacksonville (Weather Bureau)	2.55	2.61	10.00	1.86	3.70	10.13	4.74	0.76	3.62	1.57	2.09	3.11	47.34
Jacksonville (No. 2)	3.76	2.68	8.72								3.48	4.53	

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Florida—Continued													
Key West	4.28	2.86	3.71	4.39	3.23	12.97	2.53	4.09	2.19	7.81	0.42	4.26	52.74
Kissimmee	0.88	3.00	12.69	3.53	5.25	10.02	2.66	4.57	4.93	2.12	1.87	4.09	55.61
La Belle	1.19								12.06		0.70	1.62	
Lake Alfred	2.32	3.72	6.05	2.17	5.23	8.61	2.17	3.38	9.58	1.65	2.29	4.47	51.64
Lake City	5.34	2.72	9.81	1.62	1.53	7.40	4.23	3.04	7.90	0.61	2.79	3.95	50.94
Lakeland	3.33	4.48	8.57	2.99	6.30	13.12	4.30	3.73	6.14	1.20	0.96	6.15	61.27
Lake Wales	2.48	4.14	6.52	4.15	6.84	10.47	3.21	5.76	7.85	0.93	2.16	4.26	58.77
Long Key	2.91	3.70	2.23	3.37	[3.00]	[13.00]	1.84	8.99	8.09	6.24	2.09	0.85	56.31
Madison	5.14	1.29	9.86	2.12	1.00	3.40	8.13	0.91	5.46	0.92	6.13	3.16	47.52
Mammoth Grove	3.50	[4.00]	5.95	5.40	7.00	9.55	2.95	4.05	9.30	1.35	2.30	4.96	60.31
Marianna	7.76	2.64	7.79	3.90	0.54	3.02	4.76	3.70	10.02	1.02	9.55	[3.00]	57.70
Merritts Island	3.77	6.04	8.25	4.79	3.88	16.81	1.53	5.33	9.63	4.07	2.46	3.86	70.42
Metts	5.91	1.82	4.29	1.59	1.80	0.69	1.33	2.72	12.52	2.92	13.00	[3.25]	51.84
Miami	2.72	3.86	3.76	5.98	8.85	25.34	3.58	4.72	5.05	5.09	3.18	1.38	73.51
Miami Beach	3.20	2.67	2.85	3.80	5.79	14.90	2.11	2.66	7.28	5.12	1.76	0.72	52.86
Monticello	6.52	4.36	6.63	1.93	3.17	4.07	11.47	1.60	6.33	0.64	12.48	3.69	62.89
Moore Haven	0.49	3.23	4.76	4.12	11.33	17.85	4.72	11.61	11.26	6.33	0.45	2.33	78.48
Mount Pleasant	7.19	2.92	6.76	6.14	0.83	6.18	6.02	1.60	8.82	0.82	7.73	2.39	57.40
New Smyrna	2.24	2.84	10.69	3.74	4.22	18.37	3.76	4.30	4.05	1.00	1.54	6.25	63.00
Niceville	8.62	2.52	4.08				3.91	3.07	10.09	3.86	13.18	2.65	
Ocala	2.33	2.24	11.99	1.36	3.12	11.49	4.64	6.14	12.90	1.05	1.18	7.44	65.88
Okeechobee	1.00	4.45	4.58	7.30	7.85	12.85	5.70	3.11	8.86	2.12	1.81	1.98	61.61
Orlando	1.96	2.83	12.24	3.37	2.98	13.37	7.50	3.78	6.49	1.87	0.87	4.01	61.27
Palatka				1.32	2.14	11.98	4.17	6.46	9.72	1.89	2.79	6.75	
Panama City	6.28	1.86	6.22	2.72	0.30	0.57	6.40	7.15	10.28	1.88	5.94	3.12	52.72
Penny Farms	2.84	3.24	12.34	2.72	2.01	14.25	2.67	1.97	7.36	1.05	2.34	6.96	59.75
Pensacola	4.64	2.24	4.38	0.89	0.90	2.53	2.91	1.06	18.65	4.08	14.82	3.37	60.47
Perry	7.05	2.62	10.57	0.96	2.18	6.32	11.48	3.84	7.33	0.93	6.53	[4.00]	63.81
Pierson						16.61	3.75	4.26	14.59	2.25	1.24		
Pinecrest	2.98	2.93	4.88	4.24									
Pinellas Park	2.46	3.80	8.14	4.25	5.81	4.01	6.24	7.44	9.26	1.01	0.14	5.19	57.75
Plant City	2.71	4.82	8.81	3.15	6.60	11.59	5.14	4.95	8.84	1.11	0.48	6.04	64.24
Punta Gorda	1.30	2.97	7.64	3.59	6.18	9.39	2.41	5.20	8.38	2.61	0.15	3.59	53.41
Quincy	7.53	3.47	6.67	4.76	2.42	3.08	7.53	1.17	7.89	0.53	8.63	2.11	55.79
Raiford	4.26	1.86	[9.00]	1.50	1.58	12.61	3.31	3.84	9.11	0.82	2.67	[4.50]	55.06
Ritta	1.88	2.97	4.65	5.08	5.11	13.88	3.94	5.92	5.97	6.78	0.50	2.61	59.29
St. Augustine	2.79	1.98	9.50	1.06	3.57					1.44	3.37	8.04	
St. Cloud	3.12	3.98	9.06	4.15	6.21	12.44	3.40	2.43	12.61	1.15	1.33	4.43	64.31
St. Leo	2.23	2.69	9.53	1.64	5.20	7.97	2.58	2.14	9.85	1.40	0.96	5.67	51.86
St. Petersburg	2.62	5.32	6.82	5.15	5.23	4.26	2.64	5.34	8.35	1.43	0.14	6.67	53.97
Sanford	2.34	4.03	7.44	2.68	3.87	12.85	7.56	4.98	8.36	3.33	0.60	5.30	63.34
Sarasota (near)	2.96	4.24	5.59	4.86	6.11	5.79	6.32	5.55	5.93	2.00	0.12	4.78	54.25
Starke (near)	3.30	3.33	9.50	1.81	1.32	11.78	5.07	2.86	7.69	1.00	2.51	5.50	55.67
Tallahassee	5.86	1.87	10.78	2.32	2.62	6.62	7.67	2.71	4.47	0.98	11.97	3.40	61.27
Tampa	1.88	3.34	9.87	3.84	6.20	9.06	3.58	7.13	4.13	1.17	0.26	5.99	56.45
Tarpon Springs	2.44	2.51	8.41	2.55	3.34	5.68	8.00	1.96	5.25	0.39	0.10	5.75	46.38
Titusville	2.25	1.67	9.54	3.99	6.49	18.97	2.75	5.65	6.84	4.90	1.99	4.38	69.42
Venus	1.37	2.98	8.53	4.87	12.64	7.94	3.36	8.79	12.37	1.68	0.29	3.21	68.03
Vernon	4.30	1.31	7.53	1.91	0.22	2.23	6.64	1.97	8.55	2.72	5.36	4.47	47.21
West Palm Beach	4.04	7.34	6.14	6.98	2.88	15.39	1.66	7.35	5.66	6.18	0.68	3.25	67.55
Georgia													
Abbeville	5.09	1.55	5.45	3.41	0.65	4.50	7.15	0.15	3.70	0.61	4.34	3.79	40.39
Alapaha	5.74	1.41	5.70	3.93	0.66	4.13	4.73	2.67	3.78	0.12	4.07	3.53	40.47
Albany	5.51	1.79	5.02	4.73	0.90	4.42	6.72	4.11	8.91	0.99	4.39	3.15	50.64
Americus	6.18	1.06	7.88	3.30	2.54	4.02	4.70	2.30	6.16	1.44	10.63	2.59	52.80
Athens	4.07	0.81	3.63	2.98	4.38	2.46	2.59	1.27	6.49	1.41	5.72	4.68	40.49
Atlanta	5.35	1.02	4.34	1.40	6.50	1.44	1.48	0.96	3.52	1.25	5.94	3.46	36.66
Augusta	5.31	0.96	4.08	1.91	1.44	2.49	4.37	3.67	5.85	2.16	4.70	2.16	39.10
Bainbridge	6.04	2.31	8.89	6.77	0.36	4.77	6.53	2.17	6.34	0.58	5.32	3.18	53.26
Blakely	5.86	1.01	5.40	2.29	1.03	3.73	9.08	3.01	8.86	0.75	8.79	3.55	53.36
Blue Ridge	3.23												
Brooklet	4.22	1.68	4.59	6.01	0.36	8.30	7.93	1.99	7.80	0.20	3.18	2.61	48.87
Brunswick	5.94	4.21	7.71	3.97	1.05	6.79	6.95	2.10	11.51	0.76	2.85	3.18	57.02
Butler	4.78	2.24	5.51	2.79	2.61	5.69	7.41	0.66	4.28	3.72	6.58	3.51	49.78
Canton	4.39	1.10	4.63	1.62	3.68	1.24	3.25	2.21	6.06	2.09	5.95	3.39	39.61
Carlton	3.38	0.72	3.62	1.98	3.39	3.18	6.23	0.58	3.13	1.09	5.09	4.20	36.59
Clayton	4.92	2.58	5.11	2.48	7.95	2.05	2.65	2.85	6.00	1.60	7.70	6.75	52.64
Columbus	4.06	2.40	7.04	3.12	1.63	3.75	4.12	2.62	4.64	4.21	6.66	3.79	48.04
Concord	4.48	2.06	5.37	3.45	1.85	2.24	5.75	0.58	7.92	1.69	7.32	2.88	45.59
Cornelia	5.08	2.02	4.79	2.47	4.74	2.19	3.22	1.13	5.70	2.21	5.73	5.26	44.54
Covington	3.70	0.97	4.28	2.84	2.44	2.07	4.87	2.07	4.86	2.00	5.56	3.89	39.55
Dahlonega	5.38	2.03	5.82	1.93	5.25	2.45	1.58	1.98	6.21	2.82	5.62	4.77	45.84
Double Branches	4.22	0.80	3.74	1.41	1.28	2.85	3.31	0.31	4.66	0.62	4.17	3.16	30.53
Dover							4.04	1.44	6.71	0.24	3.99	3.70	
Dublin	6.36	1.05	6.12	3.44	0.59	6.98	6.08	4.05	3.12	1.41	6.61	3.48	49.29
Eastman	6.33	2.45	5.57	4.42	0.69	4.90	7.59	1.37	6.01	0.71	6.84	2.16	49.04
Fair View	4.79	2.28	7.32	3.48	1.85	2.42	4.60	1.88	5.70	1.97	6.49	3.28	46.06
Fargo	5.57	1.48	10.00	2.26	0.31	6.32	5.05	0.82	7.01	1.00	5.24	3.36	48.42
Fitzgerald					0.10	2.03	7.42	1.73	3.92	0.61	3.51	2.74	
Fort Gaines	5.15	0.62	5.66	1.70	2.02	2.91	6.45	2.85	8.92	1.79	8.35	3.32	49.74
Fort Valley	4.83	2.01	6.45	2.56	0.61	4.71	6.27	1.76	3.62	4.16	6.93	3.09	47.00
Gainesville	5.29	1.48	4.79	2.40	3.68	2.78	3.88	0.87	4.81	2.16	5.03	3.93	41.10
Gillsville	4.76	1.12	4.52	2.66	3.59	2.39	4.52	1.43	2.20	2.07	5.36	3.36	37.98
Glennville	5.19	1.48	4.42	4.20	0.64	6.51	9.38	2.37	8.21	0.52	2.79	2.73	48.44
Goat Rock	4.69	1.99	6.13	3.42	1.70	2.64	2.55	1.46	7.58	2.38	7.39	2.49	44.42
Greensboro	4.69	0.70	4.67	2.29	1.44	2.96	6.18	2.05	5.56	2.05	6.44	3.69	42.72
Griffin	5.07	1.08	5.26	5.13	1.81	1.88	9.82	0.53	5.76	1.77	7.11	3.28	48.50
Hartwell	4.52	0.83	3.25	3.00	4.27	3.93	2.82	1.67	1.98	1.43	5.73	3.63	37.06
Hawkinsville	5.54	1.07	6.34	5.26	0.67	3.74	7.21	3.33	4.46	1.75	7.28	3.52	50.17
Hazlehurst	5.23	2.68	5.65	4.01	0.38	5.85	7.31	1.05	6.21	0.08	3.19	3.36	45.00
Louisville	5.22	0.86	8.50	3.17	2.32	6.14	5.14	1.03	3.21	3.08	6.24	2.83	47.74
Lumber City	5.15	2.19	7.59	4.81	0.17	5.06	7.01	0.70	5.52	0.14	3.19	4.02	45.55
Macon	4.27	2.04	4.80	4.19	1.05	1.58	10.00	1.71	2.30	2.87	6.60	2.71	44.12
Marshallville	5.34	1.60	7.19	2.05	1.11	3.79	7.36	3.67	4.16	3.32	8.56	2.29	50.44
Meldrim							6.96	0.31	10.82	0.35	3.29	2.58	
Midville							7.06	2.43	8.19	3.26		2.46	

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Georgia—Continued													
Milledgeville	4.27	1.03	6.61	4.34	2.07	2.93	4.59	1.12	4.29	2.25	5.60	3.42	42.52
Millen	6.70	1.05	6.31	4.85	1.95	7.40	9.50	3.42	6.25	2.30	5.05	3.10	57.88
Montezuma	6.74	0.52	8.07	2.58	1.15	2.61	8.39	1.86	4.86	3.13	9.16	3.01	52.08
Monticello	5.33	1.12	5.28	4.47	2.35	3.56	7.32	2.59	6.25	2.07	6.74	4.40	51.48
Moultrie	5.41	1.57	6.17	5.30	1.58	4.58	7.67	2.27	3.92	0.32	6.79	2.33	47.91
Newnan	5.02	2.35	5.44	1.54	4.54	2.56	4.44	1.87	7.16	1.33	6.38	3.58	46.21
Norcross	4.32	0.89	4.16	1.34	4.26	2.10	2.33	1.36	2.68	1.53	5.53	3.96	34.46
Quitman	5.42	2.58	8.25	3.84	1.63	6.34	8.02	1.23	5.68	1.09	5.07	3.05	52.20
Resaca	3.18	2.87	5.22	1.86	3.24	2.08	2.26	1.89	5.34	3.88	6.18	3.81	41.81
Rome	4.14	1.65	5.35	2.33	4.97	4.57	3.58	1.04	8.24	3.39	6.65	3.11	49.02
Savannah (Weather Bureau)	3.59	1.13	4.22	4.21	1.94	3.42	6.39	1.95	9.43	0.64	2.88	2.35	42.15
Savannah (No. 2)	4.51	1.40	5.04	4.78	0.61	5.35	6.42	0.13	7.18	0.43	3.20	3.12	42.17
Sparta								1.49	7.04	2.07	6.39		
Stillmore	6.19	1.15	4.44	4.17	2.68	3.54	9.06	1.40	10.88	1.40	5.03	3.40	53.34
Talbotton	4.93	2.46	6.42	4.24	3.42	2.76	3.32	3.56	3.32	3.11	8.36	4.13	50.03
Tallapoosa	5.15	1.60	3.90	1.30	6.70	0.90	5.03	1.00	13.00	1.16	5.90	3.19	48.83
Thomasville	5.70	3.17	10.92	4.49	1.29	5.15	5.94	2.99	8.09	0.80	6.74	2.34	57.62
Tifton	5.41	2.56	5.70	5.95	1.20	7.22	5.62	3.82	3.78	0.23	2.84	3.72	48.05
Toccoa	5.18	1.82	5.38	2.38	2.82	3.76	4.42	2.21	3.41	1.99	5.86	4.61	43.84
Warrenton	4.74	0.57	4.61	1.72	1.15	3.40	7.98	1.70	5.43	2.38	5.50	2.84	42.02
Washington	4.41	0.70	3.50	1.62	2.17	3.02	5.52	1.50	5.71	1.59	4.78	3.00	37.52
Waycross	5.79	1.65	6.73	4.38	1.45	8.97	7.31	4.50	8.27	0.89	3.68	3.05	56.67
West Point	4.40	1.78	8.02	1.90	5.71	4.85	3.67	3.14	8.95	2.20	6.90	2.72	54.24
Woodbury	5.19	2.30	7.37	2.84	2.24	2.67	5.04	0.98	7.22	1.73	6.64	2.36	46.58
Idaho													
Aberdeen	0.42	1.10	0.72	0.59	1.75	0.92	0.03	1.78	0.79	1.36	0.50	0.28	10.24
Adams							0.35	0.53					
Alpha	2.15	2.79	1.47	2.14	2.50		0.03	0.80				0.72	
Arco	0.73	0.50	0.37	0.71	1.69		0.92	2.68					
Arrowrock	2.46	2.91	2.05	1.54	2.20	0.11	0.00	0.87	0.78	1.34	2.41	0.41	17.08
Ashton	0.91	1.62	0.32	1.32	1.82	0.80	1.14	3.82	2.51	1.49	1.30	1.00	18.05
Atlanta	2.64	3.30	3.60	1.96	3.09	0.93	0.57	1.63	1.18	2.40	1.89	0.66	23.85
Avery	2.53	3.20	3.03	2.50	3.76	1.97	1.81	0.38	1.92	2.57	2.60	1.79	28.06
Bald Mountain							0.11	1.35	1.33				
Big Creek							0.63	1.26					
Big Springs					1.27	1.30		4.52			1.70	1.10	
Bismark Ranger Station						2.52	0.16	0.80	0.99				
Blackfoot	1.31	0.84	0.66	0.71	1.02	0.80	0.57	2.28	1.44	1.93	0.43	0.93	12.92
Blackmare Lookout							0.94	0.74					
Bliss	0.51	0.80	0.68	1.69	2.47	0.15	T.	1.20	0.99	0.89	1.28	0.05	10.69
Bogus Creek	1.57	4.03	[2.40]	3.34	2.15	0.30	0.00	0.85	1.57	2.35	2.55	0.37	21.48
Boise	2.18	2.63	1.59	2.04	1.68	0.20	T.	0.78	0.96	0.87	0.99	0.54	14.46
Bostetter Ranger Station						0.70	0.45	2.56	2.04	1.93			
Bovill						2.72	0.16	0.20					
Bricker Ranch					2.18			1.73	1.22	1.81	0.49		
Brundage Lookout							0.10	0.19					
Buhl	0.45	1.18	0.18	0.91	2.52	0.33	0.13	3.90	0.19	1.55	0.51	0.42	12.27
Bungalow Ranger Station						1.81	2.28	0.23	2.09	4.58			
Burley	1.05	1.32	0.37	1.04	2.94	0.37	0.26	1.01	0.20	0.98	1.47	0.32	11.33
Burley Factory	0.83	1.10	0.31	1.28	2.54	0.53	0.27	1.63	0.39	1.02	0.87	0.25	11.02
Caldwell	1.54	1.43	0.73	0.94	0.89	0.26	0.00	1.60	0.74	1.29	0.37	0.28	10.07
Cambridge	1.88	3.10	0.38	1.44	1.00	0.72	T.	0.60	1.16	0.79	2.29	0.53	13.89
Cascade							0.07	1.00					
Challis	0.60	0.46	0.17	0.83	0.41	0.28	1.04	1.59	1.29	1.02	0.34	0.13	8.16
Coolin	0.91	3.90	0.70	2.43	2.29	2.14	0.20	1.64	0.94	3.18	1.31	1.35	20.99
Council	2.21	3.46	1.01	2.59	1.54	0.97	T.	0.27	1.10	1.58	3.02	1.05	18.80
Cronks Canyon				1.28	0.10	0.22	0.55	1.16	1.56	0.65	0.20	0.13	
Cuprum	1.96	3.83	0.55	2.00	2.07	1.33	0.00	0.25	2.03	1.73	1.65	0.75	18.15
Deadwood	2.71	4.54	1.63	1.62	1.74	0.46	0.06	0.72	1.55	2.26	2.63	[1.00]	20.92
Deer Flat	1.63	1.11	0.81	0.69	0.73	0.40	0.00	0.62					
Driggs						1.76	0.85	2.95	1.42	1.38	1.21	1.17	
Dubois	0.32	0.82	0.10	0.93	1.44	1.00	0.21	2.59	2.04	2.33	1.25	0.17	13.21
Elk River						2.62	0.93	0.60					
Emmett	1.43	1.25	0.60	1.28	1.60	0.11	0.00	1.21	0.79	0.75	0.90	0.18	10.10
Experimental Station Lookout							0.31	1.13					
Falls Ranger Station	1.31	4.36	1.42	1.52	2.31	1.41	0.04	1.35	0.47	1.95	2.23	1.35	19.72
Felt	1.13	1.66	0.20	1.67	2.47	0.90	0.98	2.31	0.61	1.97	0.78	0.72	15.40
Fort Hall	0.79	0.78	0.72	0.71	0.94	0.78	0.35	2.35	0.61	1.35	0.39	0.39	10.10
Garden Valley	3.20	3.54	2.34	1.90	1.46	[0.15]	0.00	0.86	0.82	1.22	2.35	[0.50]	18.34
Gibbs	0.95	2.31	1.48	1.74	2.37	1.89	0.11	0.07	1.06	1.18	3.00	1.33	17.49
Glenns Ferry	[0.75]	[0.30]	0.17	2.45	1.85	0.19	0.04	0.83	0.77	0.18	1.26	0.02	8.81
Gooding	1.55	1.43	1.42	0.97	2.38	0.15	0.06	0.62	0.95	0.79	1.07	0.19	11.58
Grace	1.36	1.46	0.58	1.96	1.91	0.79	2.23	3.28	1.10	2.47	0.84	0.38	18.36
Grandview	2.13	1.06	0.93	2.47	0.66	0.05	T.	0.21	0.39	0.88	0.20	0.08	9.06
Grangeville	2.94	1.85	1.46	3.90	3.86	2.85	0.20	0.32	2.10	1.81	0.79	0.51	22.59
Grays Lake	1.25	0.93	1.00	2.27	2.10	2.20	2.67	3.64	1.41	3.99	0.74	0.30	22.50
Grimes Pass	2.57	4.38	2.09	2.26	2.19	0.23	T.	1.23	1.37	0.66	3.19	0.90	21.07
Hailey	1.07	1.94	1.07	0.75	2.25	0.30	0.55	1.39	0.92	1.81	1.22	0.11	13.38
Hazelton	1.26	1.38	0.46	0.95	2.92	0.51	0.17	1.57	0.98	[0.90]	3.04	0.40	14.54
Headquarters								0.57					
Hill City	[1.66]	1.73	1.26	0.82	3.18	0.20	0.26	0.72	0.92	1.03	1.76	0.26	13.80
Hollister	1.10	1.26	0.37	1.56	2.70	0.17	0.16	1.98	0.23	1.24	0.56	0.56	11.89
Idaho City	3.19	3.53	1.21	1.14	1.94	0.29	0.00	0.75	1.44	1.23	2.58	0.63	17.93
Idaho Falls	1.01	1.45	0.38	0.52	0.98	1.34	0.25	1.11	0.96	1.73	0.80	0.60	11.13
Indian Cove	1.20	1.01	0.32	0.66	2.60	0.17	0.03	1.40	0.97	0.57	1.31	0.34	10.58
Iron Mountain							0.21	0.81	0.98				
Irwin	1.30	1.07	0.62	0.71	0.70	0.84	0.52	2.12	1.25	2.40	0.37	0.70	12.60
Jerome	0.88	0.75	0.35	1.05	1.87	0.24	0.11	0.55	0.15	0.70	1.67	0.26	8.58
Kamiah	1.43	2.13	2.99	2.36	2.57	2.92	0.23	0.82	1.63	1.61	0.86	1.27	20.82
Kellogg	1.16	3.00	2.25	2.97	4.27	1.53	0.49	0.21	0.72	2.08	3.41	1.75	23.84
Kirkham	3.07	4.38	1.72	1.45	1.83	0.26	0.12	1.05	1.08	1.72	1.93	0.86	19.47
Kooskia	1.51	2.61	2.83	3.05	2.53	2.99	0.18	0.18	1.59	2.54	1.43	1.84	23.28
Kuna	1.78	1.43	1.15	1.75	1.17	0.17	0.00	0.75	0.97	1.27	0.27	0.39	11.10
Lapwai	2.44	2.24	2.07	2.12	2.08	1.83	0.06	0.26	1.45	1.97	0.88	1.11	18.60
Lewiston	1.12	1.37	1.41	1.48	1.64	0.90	0.07	0.19	0.88	1.08	0.64	0.76	11.54

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Idaho—Continued													
Lifton	0.96	0.64	0.85	0.86	0.95	0.49	0.50	2.40	1.07	1.20	0.46	0.20	10.40
McCall	1.97	3.22	1.20	3.29	2.29	1.10	0.00	0.44	0.71	2.59	1.72	0.58	19.11
Mackay	0.49	0.48	0.85	0.76	1.29	0.51	0.31	2.28	1.86	1.92	0.63	0.14	11.52
Malad	1.98	1.81	0.98	1.81	2.07	1.00	0.24	5.40	1.59	3.19	1.51	0.38	21.96
Meridian	2.64	2.66	1.35	1.71	2.22	0.35	0.00	1.48	0.79	1.75	1.19	0.61	16.75
Milner Dam	0.41	0.99	0.31	1.11	2.48	0.61	0.35	2.08	0.82	0.75	1.02	0.14	11.07
Montpelier	1.62	0.88	1.14	1.34	1.31	0.69	1.85	2.50	1.31	1.78	0.68	0.18	15.28
Monumental Buttes							1.69	0.58					
Moscow	1.34	3.36	2.85	1.90	2.36	1.14	0.08	0.10	1.60	1.23	2.05	1.45	19.46
Mountainhome	0.77	1.06	0.41	0.27	1.59	0.13	0.11	0.27	0.60	0.93	0.61	0.35	7.10
Mud Lake	0.38	0.64				0.57	0.02	3.09	1.11	0.60		0.00	
Mullan	1.73	4.15	2.92	2.91	4.85	1.71	0.23	0.32	1.53	1.56	2.93	1.45	26.29
Murtaugh	0.70	1.22	0.21	1.20	2.80	0.38	0.34	1.42	0.62	0.66	[1.21]	[0.20]	10.96
Musselshell	3.18	5.09	6.29			2.98	0.75		2.19	3.82	3.42		
New Meadows	2.07	2.63	0.73	2.04	2.07	1.37	T.	0.22	1.08	1.96	1.85	1.06	17.08
Nezperce	1.09	1.99	2.25	3.67	3.04	2.87	0.36	0.48	1.76	1.99	0.74	0.59	20.83
Oakley	0.59	1.41	0.24	1.89	2.20	0.42	0.41	1.17	1.17	1.24	0.94	0.15	11.83
Obsidian	1.41	2.40	0.64	1.08	1.61	0.65	0.40	1.73	1.11	1.46	1.11	1.04	14.64
Orofino	1.45	3.40	4.04	2.79	2.85	2.99	0.76	0.45	1.94	2.32	1.49	2.31	26.79
Parma	1.22	0.83	0.40	0.57	1.02	0.44	0.00	0.18	0.64	0.70	0.33	0.19	6.52
Payette	1.48	1.17	0.20	1.16	1.56	0.60	0.00	0.50	0.61	1.03	0.62	0.27	9.20
Peck Mountain							0.04	0.53					
Pete King Ranger Station	2.81	5.37	6.32	3.05	3.10	2.57	0.13	0.15	1.70	3.22	2.62	2.83	33.87
Pilot Peak							0.66	0.83					
Pine	2.36	3.47	1.43	1.11	1.47	0.18	T.	0.71	0.58	1.02	1.75	0.82	14.90
Pocatello	1.32	1.19	0.53	0.90	1.31	0.71	0.88	3.59	1.17	1.65	0.97	1.22	15.44
Porthill	0.75	1.75	0.67	1.01	2.26	1.39	0.79	0.15	0.84	1.46	1.86	0.35	13.28
Potlatch	0.87	2.30	2.38	1.96	2.89	1.29	0.05	0.12	0.98	1.46	2.23	1.09	17.62
Prairie	1.53	1.35	1.95	1.15	2.80	0.00	0.20	2.10	1.40	1.55	2.61	0.56	17.20
Preston	1.62	1.70	1.40	1.75	1.51	0.93	2.75	4.13	1.25	2.39	1.11	0.36	20.90
Prichard	1.88	4.48	2.67	2.49	4.26	1.40	0.39	0.49	0.89	2.68	3.91	[1.65]	27.19
Priest River Experiment Station	1.39	3.73	1.14	2.15	2.18	1.63	0.06	1.78	0.61	2.29	2.20	1.42	20.58
Pyle Creek	2.26	4.35	1.49	2.11	1.71	0.17	T.	0.63	0.90	1.64	2.96	0.69	18.91
Richfield	0.30	0.80	0.67	0.60	0.25							0.00	
Riggins						1.20	0.00	0.00	1.97	2.84			
Roland	3.19	6.63	4.87	2.54	4.15	1.64	0.75	0.39	2.61	3.75	4.52	2.71	37.75
Rupert	0.67	1.06	0.28	1.45	2.00	0.27	0.21	1.21	0.48	1.51	0.93	0.17	10.24
St. Maries	1.48	2.24	2.10	1.70	1.91	1.09	0.15	0.00	0.86	1.38	0.72	1.92	15.55
Salmon	0.72	0.70	0.27	0.99	0.31	0.44	0.57	1.38	1.18	0.58	0.14	0.20	7.58
Salmon Mountain							1.15	1.41					
Sandpoint	1.09	4.46	1.36	1.86	3.51	1.44	0.18	0.97	1.21	2.28	2.84	1.27	22.47
Shafer Butte							0.00	0.60	1.37				
Shake Creek							T.	1.19	1.31				
Sheep Hill	3.20	3.96	1.76	1.45	1.93	0.12	0.00	0.70	0.42	1.82	3.30	0.43	19.09
Shoshone	0.88	1.14	1.05	1.01	1.63	0.34	0.07	0.52	0.24	0.78	1.88	0.15	9.69
Smith Creek				1.77	2.86	0.65	0.33	0.94	1.87	2.51			
Smiths Ferry						0.31		0.82					
Soldier Creek	2.59	2.29	2.10	1.08	2.83	0.33	0.74	2.60	1.47	1.65	2.50	0.36	20.54
Spencer	0.85	2.36	1.06	1.92								0.33	
Springfield	0.77	1.72	0.41	0.70	1.85	0.72	0.19	1.92	0.84	1.97	0.70	1.36	13.15
Stein Mountain								2.80					
Stibnite		4.40	2.66	1.60	2.13	0.81	0.76	1.96	1.25	2.92	1.61	[0.70]	
Sugar	0.98	0.49	0.01	0.85	1.70	0.34	0.01	1.83	2.16	1.08	0.38	0.00	9.83
Sunset Lookout							0.55	0.79					
Tripod Mountain	2.70	2.70	1.40	3.20	2.40	0.30	T.	0.40	1.70	1.60	1.80	0.70	18.90
Twin Falls	0.73	1.03	0.54	1.48	2.75	0.55	0.07	0.56	0.24	1.07	0.73	0.17	9.92
Twin Falls Factory	0.78	1.21	0.57	1.41	2.38	0.57	0.32	0.63	0.23	1.07	0.68	0.42	10.27
Wallace	1.82	5.12	3.05	2.83	4.92	1.96	0.22	0.38	1.15	2.45	4.20	1.31	29.41
War Eagle							0.47	0.96	0.79				
Weiser	1.67	1.63	0.12	1.10	1.28	0.92	0.08	0.39	1.07	1.00	1.03	0.18	10.47
Illinois													
Aledo	2.29	1.51	0.68	3.20	2.81	7.67	1.67	8.55	0.75	2.37	2.32	1.00	34.82
Anna	8.57	2.74	2.36	1.13	1.87	2.05	0.77	0.57	6.75	1.87	2.58	1.49	32.75
Astoria	[3.11]	1.13	0.43	2.11	1.70	2.32	1.10	2.88	2.48	2.98	3.07	[0.39]	23.70
Aurora	2.33	1.70	1.60	3.12	1.80	5.60	1.28	4.08	4.54	3.07	1.88	0.32	31.32
Beardstown	3.63	2.17	1.75	1.98	1.87	2.28	0.64	2.28	2.60	1.66	2.11	0.34	23.31
Benton	[7.68]	3.78	1.89	1.12	1.40	1.53	0.49	0.23	6.30	1.74	1.64	1.20	29.00
Bloomington	3.55	1.76	1.21	3.91	2.02	3.62	0.51	1.49	1.93	1.66	3.27	0.29	25.22
Brookport	8.64	3.25	2.10	1.52	1.84	2.12	0.83	1.19	3.58	1.90	2.18	1.83	30.98
Cairo	9.44	2.53	2.54	0.79	2.49	1.59	0.04	0.76	2.65	1.05	1.83	1.97	27.68
Carbondale	8.02	3.44	2.15	1.36	1.48	2.16	1.43	0.36	7.26	1.42	1.94	1.05	32.07
Carlinville	4.92	2.09	1.53	2.35	1.85	3.19	0.52	1.21	3.93	1.90	2.57	0.55	26.61
Carmi	7.56	3.27	2.00	0.64	0.65	2.30	0.54	3.00	5.59	1.78	1.90	1.48	30.71
Casey	7.33	2.25	0.92	2.00	1.71	4.19	0.40	2.69	3.91	2.32	2.01	0.87	30.60
Charleston	7.73	1.85	1.48	2.42	0.90	4.31	0.99	2.26	3.02	2.18	2.55	0.42	30.11
Chester	5.93	3.04	1.45	1.42	2.46	1.04	1.93	0.10	3.78	1.98	1.19	0.99	25.31
Chicago (University)	2.23	1.42	2.82	2.30	2.16	2.49	2.63	1.17	1.29	2.81	1.75	0.27	23.34
Chicago (Airport)	2.30	1.37	3.46	2.48	2.42	3.23	1.92	1.21	2.44	2.69	1.63	0.35	25.50
Chicago (Federal Building)	2.08	1.45	2.85	2.51	2.94	3.89	2.80	1.85	0.67	2.36	2.32	0.28	26.00
Clinton	4.87	1.34	2.02	4.01	1.04	3.43	0.83	3.56	2.96	1.93	2.78	0.36	29.13
Danville	4.49	1.60	1.16	4.59	1.02	2.90	1.88	1.33	2.82	1.39	0.79	0.15	24.12
Decatur	4.40	1.88	1.70	3.03	2.41	2.89	1.54	4.00	4.05	1.22	2.01	0.21	29.34
Dixon	1.90	1.44	1.17	4.59	2.47	4.50	0.69	2.87	4.55	3.30	1.28	0.60	29.36
Du Quoin	7.26	3.10	1.43	1.17	1.11	1.94	1.09	0.44	4.04	2.31	3.02	1.32	28.23
Edwardsville	6.16	2.61	1.81	1.59	1.53	2.52	0.92	0.79	4.68	1.84	2.29	0.64	27.38
Effingham	8.32	2.78	1.42	2.40	2.14	3.17	1.21	1.27	4.94	2.35	2.00	0.98	32.98
Elgin	2.69	1.76	1.69	4.34	2.23	4.24	2.55	0.64	3.21	3.60	1.45	0.29	28.69
Fairfield	7.44	3.50	[1.89]	1.32	1.30	1.64	0.21	2.03	5.29	2.56	1.76	1.37	30.31
Fairview	2.28	1.58	0.90	3.67	2.39	1.96	1.38	1.45	2.18	2.99	2.98	0.37	24.13
Flora	7.40	1.96	0.82	2.23	1.78	1.91	T.	2.99	4.36	1.88	2.79	1.33	29.45
Freeport	1.96	1.48	0.72	4.25	3.05	7.22	1.29	0.96	4.61	2.18	1.15	0.82	29.69
Galena	1.72	1.39	0.66	4.75	4.53	5.34	0.99	1.77	2.23	2.45	1.12	0.94	27.89
Galesburg	2.37	1.60	1.09	1.91	2.64	4.51	1.60	2.31	3.45	2.36	2.22	0.57	27.13
Galva	2.41	2.61	1.18	[3.14]	[2.05]	3.17	1.31	2.37	1.84	2.16	2.25	0.52	25.01

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Illinois—Continued													
Geneseo	2.55	2.25	0.70	2.92	2.45	4.95	1.53	2.20	1.90	2.72	1.71	0.84	26.72
Golconda	8.96	2.94	2.66	0.98	1.64	2.27	1.09	1.60	3.26	1.22	1.79	1.83	30.25
Golden	[3.20]	2.16	1.19	3.06	1.87	3.65	0.34	1.65	3.60	2.62	3.23	0.47	27.04
Grafton	6.60	1.84	1.21	1.21	1.66	2.71	1.32	0.78	3.81	2.13	3.09	0.75	27.11
Grand Chain	10.50	3.07	2.08	1.01	2.94	3.00	0.33	2.61	2.23	1.26	2.08	1.78	32.89
Greenville	6.76	1.89	1.19	2.07	2.24	4.05	0.65	0.89	3.84	2.02	1.76	0.35	27.71
Griggsville	5.50	1.91	0.90	1.33	1.77	5.07	0.51	1.86	3.70	2.31	2.35	0.50	27.71
Harrisburg	7.67	2.82	2.02	0.82	0.95	2.05	0.40	0.60	5.03	0.47	1.55	0.95	25.33
Havana	2.93	1.39	1.44	3.19	1.89	2.73	0.62	2.29	1.64	2.35	2.75	0.47	23.69
Henry	2.21	2.11	1.62	2.87	1.64	3.40	1.13	2.48	0.69	2.97	2.54	0.17	23.83
Hillsboro	6.20	1.47	1.31	3.05	1.44	2.91	0.52	1.12	3.47	1.80	1.83	0.78	25.90
Hoopeston	5.43	1.59	1.60	4.57	2.12	2.13	1.99	2.41	2.66	1.64	2.81	0.21	29.16
Jacksonville	4.34	1.64	1.57	1.49	1.86	4.28	0.60	2.22	2.69	1.84	2.38	0.37	25.28
Joliet	2.89	2.19	1.75	4.01	2.31	5.55	0.65	4.24	3.47	2.69	2.65	0.38	32.78
Kankakee	2.97	0.98	1.75	3.93	1.24	4.02	0.58	1.52	2.86	1.98	2.73	0.29	24.85
La Harpe	3.19	1.17	1.08	2.07	2.56	3.63	0.47	1.61	3.32	2.33	2.91	0.56	24.90
La Salle	2.16	2.04	2.04	4.17	1.24	3.04	0.45	1.71	2.38	3.23	2.11	0.20	24.77
Lincoln	3.98	1.50	2.15	3.95	1.26	2.99	1.81	2.79	2.85	1.43	3.01	0.59	28.31
Macomb	2.77	1.09	1.16	2.52	1.41	4.09	0.49	1.95	1.53	2.90	2.90	0.42	23.23
McLeansboro	8.26	3.74	2.93	0.71	1.66	2.08	1.00	2.51	10.09	0.74	2.00	1.39	37.11
Marengo	1.61	1.05	2.17	3.36	2.05	2.85	1.95	2.13	5.19	4.17	1.22	0.33	28.02
Mascoutah	6.71	2.83	1.13	1.78	2.12	4.17	1.98	0.95	3.41	2.01	1.75	1.09	29.93
Minonk	2.44	1.59	2.36	4.07	1.39	3.61	0.86	4.21	1.32	2.33	2.47	0.59	27.24
Moline											1.37	0.79	
Monmouth	2.64	1.66	1.00	1.97	2.21	4.26	1.20	1.74	2.83	2.40	2.55	0.54	25.00
Morris	2.37	2.09	1.38	4.38	2.65	4.28	0.74	1.67	3.27	2.73	2.99	0.37	28.92
Morrison	2.27	1.40	0.96	4.03	2.04	7.04	0.57	2.09	3.13	3.12	1.21	0.88	28.74
Morrisonville	5.02	1.50	1.45	1.38	1.08	3.26	2.84	1.49	2.71	1.23	1.78	0.40	24.14
Mount Carmel	[7.98]	4.62	2.16	1.81	0.69	1.82	[0.40]	2.59	5.08	[2.79]	2.21	2.16	34.31
Mount Carroll	1.73	1.45	0.80	4.96	3.20	8.13	0.80	4.34	2.44	2.43	1.16	1.17	32.61
Mount Vernon	7.20	2.79	1.18	1.75	1.93	2.71	0.53	4.11	9.95	2.06	2.27	1.29	37.77
Nashville	7.45	1.81	[1.27]	1.59	2.05	1.90	1.34	0.87	4.29	2.55	2.02	1.24	28.38
New Burnside	9.11	2.75	2.63	1.14	1.62	3.82	1.02	0.84	5.25	2.64	2.41	1.39	34.62
Newton	8.59	2.68	1.07	2.21	1.65	3.35	1.32	2.81	7.96	1.16	2.20	1.03	36.03
Olney	8.38	3.18	1.01	1.71	1.19	1.95	0.38	2.62	3.83	1.93	2.45	1.39	30.02
Oregon	1.59	1.60	0.69	3.88	2.08	5.91	0.66	3.18	3.64	2.77	1.23	0.89	28.12
Ottawa	2.01	2.11	1.40	4.42	1.30	2.57	0.90	0.94	2.45	2.95	2.32	0.22	23.59
Palestine	5.88	2.42	[1.06]	3.30	1.11	3.34	0.02	2.16	4.73	1.13	[2.06]	0.98	28.19
Pana	6.07	1.31	1.58	2.13	1.29	3.55	1.23	0.93	2.39	1.90	2.14	0.44	25.06
Paris	7.56	1.93	0.99	2.80	1.10	2.71	1.10	2.31	4.20	1.95	1.87	0.35	28.87
Paw Paw	1.95	1.33	1.46	4.52	1.00	2.96	1.35	4.92	6.35	3.55	1.68	0.28	31.44
Pearl	3.86	2.04	0.87	0.99	1.20	3.79	0.32	0.77	3.99	1.56	1.91	0.54	21.84
Peoria	2.81	2.10	1.55	3.58	1.07	2.53	1.02	1.56	1.31	3.14	3.07	0.29	24.03
Pontiac	2.52	1.43	1.66	4.27	1.18	4.41	0.48	2.03	0.91	1.19	2.10	0.45	22.63
Princeville	[2.47]	[2.01]	[1.25]	2.95	1.79	2.21	1.32	2.90	2.52	3.25	2.40	0.36	25.43
Quincy	3.31	1.02	1.46	0.79	2.70	5.09	0.39	1.06	1.85	2.65	4.43	0.62	25.37
Roberts	2.57	1.14	2.47	4.26	2.30	2.13	0.65	2.84	1.86	1.15	2.35	0.26	23.98
Rochelle	2.09	1.38	1.44	3.54	2.23	4.16	2.20	1.46	6.96	3.38	1.82	0.46	31.12
Rockford	2.02	1.20	1.86	3.19	2.41	4.31	2.70	1.08	4.61	3.40	1.22	0.53	28.53
Rushville		2.33	1.57	1.56						2.37	2.99	0.32	
Salem	8.33	2.53	1.70	1.57	2.48	2.64	0.23	1.93	4.76	2.23	2.02	1.13	31.55
Shawneetown	8.41	2.84	2.30	1.05	1.08	5.44	1.94	1.17	4.43	0.79	1.22	1.47	32.14
Sparta	6.25	1.91	1.60	0.88	2.06	1.49	0.74	0.13	4.88	3.11	1.58	0.99	25.62
Springfield	3.80	2.76	1.17	1.55	1.65	2.40	1.33	2.68	2.71	1.44	2.51	0.32	24.32
Streator				4.85	2.60	3.38	0.73	1.83	0.36	2.32	2.82	0.27	
Sycamore	1.92	1.48	1.55	4.29	1.89	3.14	1.25	1.65	6.04	3.06	1.36	0.33	27.96
Tiskilwa	2.45	1.76	1.29	4.11	1.91	2.36	0.42	1.31	4.29	3.52	2.38	0.24	26.04
Tuscola	4.21	3.45	2.14	3.74	0.21	3.15	1.68	3.58	3.10	1.62	2.06	0.47	29.41
Urbana	4.81	1.77	1.87	4.07	1.53	2.23	0.47	2.02	2.98	1.62	1.49	0.22	25.08
Walnut	2.40	1.44	0.72	3.92	1.87	3.73	1.97	1.88	4.46	2.84	1.36	0.42	27.01
Warsaw	2.31	0.61	0.84	2.66	2.59	4.93	0.05	2.05	3.03	2.46	3.51	0.64	25.68
Waterloo	6.48	2.61	1.26	0.85	2.27	1.97	1.04	0.19	4.86	2.72	1.98	1.02	27.26
Watseka	4.16	[1.25]	1.79	4.99	2.55	2.86	0.45	1.59	3.23	[1.48]	2.46	0.34	27.15
Waukegan	1.67	0.89	1.21	4.31	2.42	2.63	2.42	1.00	1.33	2.75	1.22	0.32	22.17
White Hall	2.66	1.12	1.04	1.27	1.05	2.88	0.48	0.50	4.92	1.47	2.68	0.73	20.80
Windsor	6.44	1.83	2.00	3.08	0.73	3.86	0.73	2.48	2.54	2.07	1.41	0.34	27.51
Indiana													
Albion	3.60	0.69	0.99	1.87	2.96	2.70	1.27	0.87	3.47	1.05	1.96	0.73	22.16
Anderson	6.41	3.07	1.90	3.63	1.30	5.06	2.61	3.60	3.26	1.26	1.99	0.39	34.48
Angola	4.68	1.44	1.72	2.29	2.96	2.04	0.40	2.42	3.30	1.25	1.99	0.74	25.23
Bedford	7.48	4.27	1.61	2.53	0.60	2.03	0.05	1.85	2.14	1.31	1.77	1.60	27.84
Berne	6.09	1.30	1.88	2.38	1.93	2.83	3.53	3.19	3.08	1.43	1.55	0.54	29.73
Bloomington	8.87	3.74	2.03	4.39	1.48	3.12	1.11	0.90	3.06	1.25	2.39	1.40	33.74
Boonville	6.77	2.94	1.98	0.69	1.01	2.79	0.63	1.58	3.67	2.33	1.64	1.99	28.02
Bluffton	6.35	1.52	2.07	2.60	1.75	1.71	3.49	3.31	2.02	1.56	1.87	0.86	29.11
Brookville	6.20	3.01	1.24	1.81	1.91	1.90	1.55	2.25	3.54	2.20	1.46	1.28	28.35
Butlerville	7.47	3.54	2.37	2.30	1.88	2.09	0.55	1.98	4.35	1.81	1.53	1.94	31.81
Cambridge City	7.82	2.52	2.23	1.05	2.07	3.29	1.79	1.61	3.87	2.03	1.97	1.39	32.24
Collegeville	5.07	1.29	1.68	5.26	2.46	2.46	3.78	1.77	2.13	1.15	2.39	0.71	30.15
Columbia City	6.33	1.27	1.52	4.29	2.43	2.16	[1.99]	1.92	2.13	1.55	2.39	0.77	28.75
Columbus	8.48	3.74	1.95	2.65	1.42	1.50	0.61	2.25	2.37	1.34	2.16	1.72	30.19
Covington	6.89	1.96	1.81	3.05	1.09	1.95	1.79	1.92	2.32	1.20	2.00	0.24	26.22
Crawfordsville	6.69	1.76	1.72	2.26	1.23	2.42	1.88	1.27	3.06	1.14	1.72	0.33	25.47
Decker	8.28	4.24	1.97	1.39	0.86	2.40	0.68	1.96	5.01	3.31	1.67	1.68	33.65
Delphi	5.06	2.06	1.84	4.50	2.30	1.70	2.81	2.55	2.91	1.05	2.45	0.35	29.87
Edwardsport	7.73	3.47	1.41	1.87	0.91	2.65	0.33	1.34	3.94	2.09	1.54	1.64	28.92
Elliston	8.98	3.47	1.53	2.46	1.19	3.10	0.60	1.78	3.24	2.18	1.54	2.26	32.33
Evans Landing	6.08	4.28	1.58	0.44	1.94	3.23	1.86	1.53	3.89	0.84	1.76	2.16	29.89
Evansville	6.20	3.12	1.97	1.10	1.02	2.28	1.23	1.29	3.39	1.31	1.00	1.69	26.60
Farmersburg	7.68	1.91	1.02	1.83	1.63	3.69	0.53	1.80	3.68	0.94	1.71	0.63	27.05
Farmland	6.76	3.01	2.19	2.51	1.67	5.21	2.01	3.41	4.05	1.03	1.82	0.92	34.59
Forest Reserve	5.55	2.91	1.70	1.68	1.11	3.26	1.53	1.49	7.00	1.36	1.57	2.31	31.47
Fort Wayne	5.62	1.11	1.60	2.27	2.99	4.06	1.71	1.43	3.45	2.18	2.14	0.61	29.17
Fowler	[5.33]	[1.76]	1.73	4.60	2.22	[1.96]	[3.80]	[1.70]	[2.90]	[1.03]	1.49	0.09	28.61
Frankfort	6.70	1.85	2.51	3.41	1.30	2.12	2.49	1.43	3.14	1.40	2.26	0.16	28.77

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Indiana—Continued													
Goshen	3.12	1.06	1.30	2.43	3.25	2.38	1.19	1.03	2.42	1.64	1.86	0.83	22.51
Greencastle	5.58	2.38	1.24	3.11	2.01	2.94	2.27	2.06	3.83	2.05	1.71	0.48	29.66
Greenfield	6.30	2.75	1.74	3.01	2.55	2.69	1.20	1.63	3.52	1.49	1.60	0.92	29.40
Greensburg	8.24	3.60	2.47	2.00	1.31	1.73	0.81	2.30	3.31	1.16	1.83	1.54	30.30
Hamlet	3.20	1.40	1.73	3.43	2.63	3.10	3.03	2.26	2.18	1.33	2.73	0.50	27.52
Hickory Hill	8.21	3.20	1.87	2.62	1.70	2.35	0.30	0.93	2.60	1.77	2.38	0.95	28.85
Hobart	2.01	1.23	2.98	2.01	3.61	2.37	2.46	1.68	1.68	1.97	2.64	0.28	24.92
Howe	3.82	1.34	1.33	3.02	3.60	2.35	0.66	1.93	3.18	2.02	2.33	0.94	26.52
Huntingburg	6.82	3.15	2.15	0.70	2.03	2.87	1.06	1.66	5.47	1.94	1.75	1.95	32.55
Huntington	6.15	1.00	2.20	1.96	2.05	2.52	2.43	5.71	2.05	1.54	1.73	0.73	30.07
Indianapolis	7.34	2.76	1.80	4.05	1.69	1.55	0.90	2.08	2.86	1.77	2.06	0.80	29.66
Jeffersonville	6.01	4.37	1.52	0.83	1.69	2.02	0.49	1.51	2.73	0.96	2.15	2.21	26.49
Kokomo	7.45	1.46	2.27	3.14	3.07	1.85	3.63	1.73	3.44	1.42	2.92	0.68	33.06
La Fayette	6.43	2.25	1.94	3.96	2.12	1.84	3.22	1.52	3.80	0.89	2.34	0.24	30.55
La Porte	4.92	1.41	4.23	2.14	2.56	2.74	3.58	1.70	2.19	1.13	2.60	1.55	30.75
Leavenworth	6.47	3.46	1.19	0.64	1.06	2.03	0.79	1.69	4.86	1.38	1.31	2.17	27.05
Logansport	5.60	1.07	2.07	3.09	1.48	2.02	3.89	2.16	3.81	1.41	2.48	0.23	29.31
Madison	5.24	3.68	1.53	2.10	0.95	0.69	0.86	1.17	6.04	1.12	1.45	2.23	27.06
Marengo	7.05	3.73	1.25	1.68	0.89	3.63	0.73	2.05	6.25	1.64	2.03	2.37	33.30
Marion	6.84	1.78	2.17	4.14	1.65	2.37	2.38	2.88	2.91	1.25	2.05	0.59	31.01
Martinsville	7.80	3.38	2.26	3.69	2.26	2.11	1.00	1.30	2.54	1.45	2.14	0.86	30.79
Mauzy	7.97	2.54	2.26	1.39	1.59	2.22	1.68	2.49	3.90	1.26	2.14	1.21	30.65
Monticello (near)	4.74	1.43	1.77	4.00	2.01	1.37	4.59	2.43	4.43	1.03	2.35	0.58	30.73
Moores Hill	6.02	2.79	1.94	1.74	1.48	0.58	1.66	2.03	4.15	1.37	1.89	1.86	27.51
Mount Vernon	8.05	3.06	2.11	1.15	0.88	1.49	0.46	3.27	7.72	0.66	1.49	1.12	31.46
Muncie	7.16	2.25	2.53	2.92	2.09	4.28	3.16	2.27	3.60	1.61	2.16	0.88	34.91
Noblesville	7.12	2.72	1.72	3.37	1.89	5.26	3.22	1.53	6.26	1.49	1.92	1.08	37.58
Notre Dame	3.72	1.09	2.30	2.57	2.66	1.95	2.12	0.97	1.84	1.22	3.26	1.03	24.73
Paoli	4.82	3.79	1.48	1.61	1.46	2.45	0.39	2.35	6.05	1.90	1.49	1.92	29.71
Plymouth (near)	3.69	0.48	2.00	3.58	2.96	2.61	3.10	1.31	2.79	2.04	2.99	1.05	28.60
Princeton	8.24	3.50	2.00	1.30	0.67	2.40	0.19	1.56	5.24	2.09	0.71	1.66	29.56
Richmond	7.53	2.77	1.32	1.16	1.50	1.97	2.27	2.03	6.95	2.05	1.79	1.05	32.39
Rochester	6.09	0.75	1.68	4.30	3.05	3.94	1.86	4.48	2.51	1.05	2.20	0.51	32.42
Rockville	7.94	2.81	0.95	3.82	1.84	2.35	3.46	1.33	3.52	1.95	2.07	0.53	32.57
Rome	8.39	3.69	1.30	0.53	2.27	2.91	0.28	1.01	4.76	1.26	2.03	2.04	30.47
Royal Center	3.87	1.58	1.60	3.86	2.03	2.57	5.46	2.23	4.52	1.34	2.73	0.24	32.03
Salamonia	6.87	3.24	2.23	2.77	1.07	3.95	2.39	3.79	2.27	1.58	2.04	0.93	33.13
Salem	7.93	3.45	1.97	1.65	0.95	1.98	0.58	2.58	5.55	2.13	2.88	2.51	34.16
Scottsburg	4.65	2.62	1.62	1.69	0.65	2.06	1.16	2.78	3.91	1.43	1.79	2.34	26.70
Seymour	6.63	3.46	1.61	2.14	1.32	1.41	0.31	3.53	3.05	1.74	1.43	2.23	28.86
Shelbyville	6.35	2.63	1.33	1.68	2.83	2.46	0.84	1.77	3.17	0.87	1.77	1.03	26.73
Shoals	7.62	3.53	2.06	2.12	0.98	2.03	0.83	2.70	4.02	1.60	1.43	1.25	30.19
South Bend	4.42	1.48	2.41	3.48	2.48	2.16	2.14	1.07	1.43	1.51	3.50	0.84	26.92
Stewartsville	7.58	2.88	1.41	0.80	1.18	2.24	0.37	2.46	3.86	1.93	1.28	1.44	27.43
Terre Haute	8.23	2.21	1.07	2.12	1.28	1.97	1.25	1.68	3.95	1.73	1.80	0.75	28.04
Thayer	3.79	1.30	1.38	3.50	2.40	3.08	2.21	1.56	2.45	1.99	2.89	0.88	27.43
Valparaiso	3.40	2.02	2.68	3.08	2.27	2.77	2.38	1.34	2.82	2.60	1.80	0.66	27.82
Veedersburg	7.19	1.64	1.41	2.49	0.74	1.50	1.77	1.10	2.85	0.91	1.57	0.18	23.35
Vevay	5.19	3.16	1.56	2.26	1.00	0.93	2.72	1.63	4.13	0.83	1.00	1.90	26.31
Vincennes	8.84	3.98	1.30	2.16	1.05	3.28	0.22	4.02	4.92	1.88	1.91	1.57	35.13
Wabash	6.86	1.17	2.06	2.68	1.74	3.43	3.48	2.86	2.87	1.94	2.19	0.49	31.77
Washington	8.05	3.99	1.68	1.68	0.97	5.09	0.29	3.26	4.76	1.62	1.54	1.57	34.50
Wheatfield	[4.19]	[1.52]	1.59	4.40	2.11	2.18	2.49	3.74	3.48	2.32	2.75	0.85	31.62
Whitestown	7.10	3.11	1.78	2.81	1.47	5.16	2.29	1.63	4.25	1.36	1.78	0.68	33.42
Whiting	1.72	1.29	3.77	2.38	3.20	2.07	1.45	1.55	1.29	2.42	2.02	0.47	23.63
Williams	8.34	4.05	1.71	1.99	0.68	1.73	0.50	1.26	5.48	1.41	1.42	1.68	30.25
Winamac	4.80	1.15	1.97	4.46	2.48	2.65	3.07	2.95	3.71	1.94	2.65	0.57	32.38
Winona Lake	4.16	0.98	1.48	3.28	3.17	2.63	2.59	3.61	2.33	0.95	[2.12]	0.84	28.16
Iowa													
Afton	1.46	0.63	1.16	2.38	4.80	7.22	0.85	4.67	[3.05]	2.03	2.29	0.27	30.81
Akron	0.72	0.07	0.07	1.28	5.99	3.73	T.	2.89	2.74	1.80	1.30	0.21	20.80
Albia	1.38	0.73	1.55	1.63	3.85	6.40	0.82	3.03	2.70	1.74	2.77	1.14	27.74
Algona	[0.85]	[0.35]	1.60	4.03	[3.15]	3.46	0.82	1.91	5.21	1.44	2.06	0.28	25.16
Allison (near)	[1.05]	[0.35]	[0.85]	3.49	3.35	6.35	4.99	1.83	1.12	2.04	1.60	0.16	27.18
Alta	1.06	0.39	0.18	3.44	3.76	4.68	1.21	2.39	1.99	1.09	2.61	0.29	23.09
Alton	1.06	0.50	0.16	1.70	4.35	5.10	0.39	1.67	2.23	1.32	2.57	0.35	21.40
Ames	1.08	0.69	1.00	3.05	3.60	3.30	0.50	0.91	2.49	1.66	1.11	0.37	19.76
Atlantic	1.13	0.27	0.90	1.84	3.26	3.20	1.28	3.52	0.17	2.16	2.33	0.28	20.34
Audubon (near)	0.97	0.43	0.77	1.55	2.87	4.16	0.65	2.27	0.87	1.28	2.44	0.39	18.65
Baxter	1.04	0.61	1.38	3.07	4.18	4.14	[1.10]	[1.25]	1.48	2.65	1.15	0.22	22.77
Bedford	1.07	0.74	0.97	2.58	4.66	5.91	1.01	3.58	0.40	1.72	2.28	0.31	25.23
Belle Plaine	1.69	1.46	1.10	2.75	5.32	4.61	2.72	1.15	4.25	1.99	3.70	1.02	31.76
Belmond	0.96	0.29	0.91	3.13	3.73	5.72	3.03	2.87	2.38	1.88	1.44	0.30	26.64
Bonaparte (near)	1.33	0.38	1.17	1.62	2.62	8.45	0.96	2.22	3.38	2.23	2.18	1.15	27.69
Boone (near)	1.28	0.51	1.17	2.69	2.72	3.60	0.96	0.58	2.78	1.72	1.33	0.25	19.59
Britt	1.18	0.18	0.54	3.35	4.07	5.35	1.34	2.64	5.01	2.09	2.15	0.33	28.23
Burlington	2.20	1.42	0.77	2.43	2.39	6.20	0.81	0.88	3.42	3.00	2.42	0.92	26.86
Carroll	0.73	0.19	2.20	2.63	3.61	3.47	1.52	1.93	0.53	1.30	2.80	0.40	21.31
Cedar Falls	1.23	0.39	0.86	3.93	5.76	5.93	5.32	0.90	1.48	3.48	2.71	0.50	32.49
Cedar Rapids	1.63	0.98	0.84	3.09	5.28	7.36	1.36	1.28	3.94	3.90	1.46	0.93	32.05
Centerville	1.99	0.49	1.79	1.45	3.20	5.17	0.18	3.45	0.85	1.18	4.57	1.42	25.74
Chariton (near)	0.84	1.01	1.24	1.05	3.19	4.91	0.72	2.30	1.85	2.57	2.28	1.12	23.08
Charles City	1.41	0.44	0.90	3.47	5.63	9.30	1.13	1.45	2.48	1.78	1.76	0.34	30.09
Cherokee	0.55	0.17	0.30	2.98	4.96	3.44	1.12	1.10	2.19	0.92	2.42	0.17	20.32
Clarinda	1.99	0.49	0.87	2.69	4.92	5.54	0.93	3.73	0.86	2.46	2.72	0.32	27.52
Clinton	1.46	1.25	0.98	4.11	2.25	7.49	0.68	1.52	1.89	2.73	1.38	1.25	26.99
Columbus Junction	1.88	1.53	1.20	2.48	1.61	10.69	0.79	2.71	1.06	2.85	2.31	1.24	30.35
Corning (near)	[1.40]	0.11	0.30	1.18	7.20	[5.23]	1.13	4.66	[1.95]	[1.90]	2.02	0.20	27.28
Corydon (near)	1.43	0.65	1.89	1.43	4.03	4.19	0.77	3.24	0.90	2.10	2.39	1.20	24.22
Creston	1.26	0.33	1.16	2.60	3.92	7.04	1.88	3.05	2.62	1.43	1.56	0.26	27.11
Cumberland (near)	1.10	0.17	0.89	2.02	3.26	3.88	1.26	4.05	1.01	1.78	2.13	0.31	21.86
Davenport	2.05	2.38	1.02	2.96	2.13	9.14	1.94	2.42	0.39	2.89	1.72	0.97	30.01
Decorah	1.16	0.58	0.92	2.76	4.09	5.77	2.10	2.35	2.04	[1.75]	3.09	0.28	26.89
Delaware (near)	[1.45]	[0.75]	[1.05]	[4.05]	[4.05]	[6.65]	[2.50]	[0.85]	[2.45]	[2.60]	2.11	0.67	29.18
Denison	0.95	0.18	0.64	2.55	2.43	2.59	2.26	2.12	0.69	1.05	2.21	0.32	17.99
Des Moines	1.41	0.50	1.12	2.35	3.36	3.69	0.56	1.00	1.53	2.64	1.05	0.36	19.57

Monthly and annual precipitation (in inches and hundredths) for 1930—**Continued**

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Iowa—Continued													
Dubuque	2.05	1.19	1.23	4.34	4.33	5.21	0.94	1.92	2.52	2.59	0.79	1.24	28.35
Earlham (near)	1.76	0.17	0.78	2.20	3.27	3.28	1.47	4.33	1.33	2.10	1.59	0.22	22.50
Estherville	0.85	0.45	0.48	2.53	3.88	4.85	0.25	2.10	5.64	1.86	3.55	0.10	26.54
Fairfield	2.22	1.45	1.22	1.64	2.73	6.53	1.11	1.63	2.94	2.44	1.68	1.58	27.17
Fairport	2.12	2.45	1.35	2.80	2.47	9.39	1.88	2.37	0.39	4.21	2.03	1.25	32.71
Fayette	1.65	0.55	0.96	[4.05]	3.08	9.70	3.41	1.55	2.19	1.69	2.45	0.63	31.91
Forest City	1.92	0.52	1.03	2.91	4.03	5.81	2.11	1.03	3.89	2.31	1.39	0.45	27.40
Fort Dodge	1.07	0.35	0.88	3.12	4.20	5.62	0.64	3.13	2.84	1.91	1.68	0.39	25.83
Glenwood	1.35	0.27	0.94	2.16	3.60	4.75	1.69	5.26	1.25	1.38	2.14	0.19	24.98
Grinnell	1.98	0.84	0.48	3.42	3.82	7.49	2.26	1.66	0.91	2.16	2.85	0.61	28.48
Greenfield	[1.25]	[0.20]	[0.85]	[2.15]	[3.55]	[4.75]	1.35	[3.15]	0.62	2.07	1.72	0.24	21.90
Grundy Center	1.36	0.83	1.00	3.63	4.60	4.70	1.40	0.97	1.87	2.78	1.46	0.45	25.05
Guthrie Center	[1.25]	0.17	1.10	1.36	3.43	4.93	1.18	1.20	1.00	1.55	1.79	0.27	19.23
Hampton	[1.05]	[0.35]	0.97	3.03	2.85	6.49	5.58	1.74	1.86	2.13	1.33	0.24	27.62
Harlan	0.93	0.15	0.66	1.20	3.62	4.15	1.65	4.99	2.00	1.21	1.91	0.23	22.70
Hawarden	0.69	0.26	0.08	2.09	6.14	4.97	0.12	2.96	3.01	1.23	2.54	0.06	24.15
Humboldt	1.00	0.42	0.46	2.97	3.47	4.29	2.02	2.15	2.28	2.30	1.90	0.11	23.37
Independence	1.31	0.57	1.09	4.02	3.42	7.36	3.21	0.49	2.67	2.60	2.29	0.69	29.72
Indianola	1.93	1.20	1.13	2.88	3.32	6.80	1.04	3.03	2.54	2.21	0.89	0.40	27.37
Inwood (near)	0.67	0.27	0.04	1.54	4.54	5.43	0.18	0.87	3.36	1.84	2.21	0.06	21.01
Iowa City	1.36	1.86	0.90	3.11	3.09	8.35	1.74	1.91	6.28	2.55	1.73	1.20	34.08
Iowa Falls	1.42	0.50	1.05	3.88	3.88	7.08	2.28	1.83	1.68	2.43	1.43	0.62	28.08
Jefferson	1.25	0.51	1.05	2.48	3.69	3.05	1.41	2.03	1.36	1.32	1.58	0.45	20.18
Keokuk (Weather Bureau)	2.51	1.01	0.67	1.97	2.18	4.06	0.30	2.11	2.97	2.00	3.63	0.60	24.01
Keokuk (No. 2)	2.27	1.57	0.97	2.06	2.98	4.44	0.43	2.57	3.02	2.24	3.96	0.91	27.42
Keosauqua	1.58	0.52	1.29	1.71	3.22	7.67	1.70	1.67	3.03	2.65	1.80	1.29	28.13
Knoxville	1.69	1.07	1.14	1.64	3.46	6.38	1.58	1.79	2.88	2.84	2.18	0.78	27.43
Lacona	2.22	0.76	1.41	1.82	3.30	6.25	0.71	1.55	5.28	2.28	2.00	0.60	28.18
Lake Park (near)	0.58	0.33	0.19	1.91	4.65	4.73	0.33	[1.35]	6.39	2.21	2.70	T.	25.37
Lamoni	1.07	1.78	1.49	1.94	3.66	3.91	0.47	3.72	1.39	2.16	1.70	0.68	23.97
Lansing	[1.35]	[0.55]	0.80	2.04	3.94	7.63	2.04	1.16	2.57	1.66	2.59	[0.30]	26.63
Le Claire	[2.00]	[2.05]	1.01	3.80	2.42	7.60	1.13	1.57	1.64	3.01	1.57	1.10	28.90
Le Mars	1.41	0.56	0.20	2.25	6.05	3.03	0.36	2.45	1.68	1.08	2.91	0.41	22.39
Lenox	1.42	0.57	0.84	1.90	5.06	5.96	0.45	3.70	1.95	1.87	1.90	0.45	26.07
Little Sioux	0.70	0.44	0.90	1.67	3.77	3.13	2.92	5.90	1.01	1.14	2.22	0.50	24.30
Logan	1.01	0.18	0.20	1.69	3.27	3.37	0.74	4.25	0.84	0.71	2.08	0.35	18.60
Maquoketa (near)	1.25	1.03	0.71	4.20	3.57	5.19	0.99	0.67	3.21	2.91	2.42	1.42	27.57
Marathon	0.82	0.32	0.36	2.40	5.23	6.86	1.37	2.02	2.90	1.09	2.74	0.34	26.45
Marshalltown	1.47	0.57	0.87	2.40	3.33	2.70	1.28	0.55	2.03	2.31	1.49	0.42	19.42
Mason City	0.78	0.38	0.80	2.90	2.49	6.30	3.20	3.58	6.31	1.85	1.55	0.29	30.43
Melrose	1.90	0.64	1.20	1.00	4.92	4.82	0.72	3.04	2.44	1.67	2.25	1.18	25.78
Monroe	1.19	0.56	1.19	2.99	3.12	7.54	0.88	3.25	2.75	1.48	1.55	0.49	26.99
Mount Ayr	1.51	0.91	2.42	2.70	4.21	6.49	0.73	3.80	1.80	2.53	1.98	0.34	29.42
Mount Pleasant	1.42	1.23	1.00	2.33	1.65	12.28	0.91	2.23	1.89	2.91	1.82	1.13	30.80
Muscatine	2.37	1.87	1.31	2.47	1.82	9.27	2.23	1.71	1.62	3.64	1.62	1.32	31.25
New Hampton	1.22	0.40	0.86	3.07	4.54	5.89	1.15	2.14	2.17	2.65	2.23	0.15	26.47
Northwood	0.90	0.55	1.45	3.45	3.16	8.72	3.83	0.66	4.54	2.17	2.09	0.40	31.92
Oakland	0.93	[0.20]	0.66	1.70	2.25	4.80	1.64	5.71	1.02	1.46	1.94	0.20	22.51
Oelwein	1.12	0.10	1.09	4.10	4.90	8.75	3.50	1.85	2.10	2.99	2.71	0.25	33.46
Olin	1.32	0.60	0.56	2.94	3.85	5.41	1.12	1.07	1.99	3.07	1.71	1.57	25.21
Onawa	0.96	0.28	0.47	3.00	3.20	2.81	0.90	4.04	1.65	1.38	2.35	0.28	21.32
Osage	0.84	0.69	0.98	2.79	3.74	7.34	2.20	1.53	1.79	1.87	1.50	0.58	25.85
Oskaloosa	1.73	1.47	1.33	4.59	4.08	7.47	2.44	2.61	2.15	2.19	4.30	1.29	35.65
Ottumwa	1.68	0.85	0.80	1.85	3.13	7.26	1.02	3.03	2.41	1.98	2.07	1.53	28.21
Perry	1.31	0.42	0.81	1.86	2.63	2.80	1.23	0.65	1.23	1.25	1.60	0.36	16.15
Pocahontas	0.73	0.31	0.99	2.56	3.43	3.46	0.30	2.63	3.52	1.17	2.04	0.33	21.47
Postville (near)	1.49	0.60	0.81	4.13	3.34	6.68	2.77	2.01	2.08	2.51	3.95	0.40	30.77
Red Oak (near)	1.68	0.06	0.70	4.21	3.03	5.01	1.57	6.53	0.76	2.43	2.36	0.21	28.55
Riverton (near)	1.01	0.46	0.88	2.64	4.16	5.80	0.68	3.31	2.76	0.88	1.80	0.13	24.51
Rock Rapids	0.98	0.54	0.06	1.80	5.83	4.85	0.80	0.95	2.54	2.40	2.35	0.06	22.16
Rockwell City	[1.05]	[0.55]	1.45	3.30	4.11	5.76	0.51	4.48	1.54	1.39	1.54	0.60	26.28
Sac City	1.10	[0.40]	1.08	2.81	3.60	5.33	0.83	3.08	2.92	1.47	2.62	0.32	26.56
Sanborn	0.88	0.14	0.39	3.23	4.82	4.99	0.77	1.01	3.09	1.46	3.00	0.28	24.06
Sheldon	1.07	0.42	0.16	2.27	5.27	5.17	0.28	1.25	3.34	1.60	3.00	0.14	23.97
Sigourney (near)	1.92	0.90	0.78	3.59	4.30	9.33	2.11	2.63	2.33	1.76	1.98	1.09	32.72
Sioux Center	0.98	0.20	0.20	2.33	5.23	4.51	0.69	1.56	2.75	2.53	2.65	0.11	23.74
Sioux City	0.64	0.28	0.12	2.00	5.88	5.67	0.72	0.89	2.46	1.60	2.99	0.30	23.55
Spencer	0.92	0.35	0.29	2.91	4.31	2.48	0.32	2.77	3.35	1.28	2.50	0.13	21.61
Stockport (near)	2.23	1.25	1.05	2.20	2.90	7.57	0.76	2.36	2.91	3.27	1.90	1.24	29.64
Storm Lake	0.92	0.20	0.59	3.07	3.87	6.69	1.22	6.71	1.14	0.91	2.34	0.09	27.75
Thurman	1.77	0.35	0.42	2.15	3.24	4.59	0.70	3.17	1.80	1.97	2.16	0.26	22.57
Tingley	1.30	0.70	0.97	2.45	5.27	6.60	0.91	2.80	1.73	1.75	2.41	0.53	27.42
Tipton (near)	1.63	1.69	0.30	4.45	2.76	8.20	1.49	2.82	3.21	[2.85]	1.69	1.35	32.44
Toledo	1.18	1.38	1.46	3.27	3.67	4.10	1.28	0.53	2.15	2.24	2.29	0.56	24.11
Van Meter	1.39	0.50	0.56	1.66	2.99	3.70	1.18	1.94	0.87	2.14	1.50	0.21	18.64
Washington	2.25	1.59	0.84	1.63	2.45	13.49	0.83	2.34	3.50	2.76	1.60	1.69	34.97
Washta	0.58	0.21	0.10	2.87	3.18	4.98	1.34	0.48	2.40	1.35	2.30	0.23	20.02
Waterloo	1.26	0.77	1.09	4.04	4.55	5.07	4.46	0.75	2.02	2.61	2.58	0.67	29.87
Waukee	1.58	0.46	1.31	1.62	3.06	4.81	1.06	1.28	0.40	1.99	1.13	0.26	18.96
Waverly	1.10	0.14	0.48	3.91	5.04	7.10	4.65	2.18	0.68	2.68	0.95	0.38	29.20
Webster City	1.44	0.39	0.85	3.37	3.47	8.11	1.06	1.80	3.03	1.52	1.48	0.07	26.59
West Bend	0.41	0.40	0.72	2.78	1.95	3.71	0.85	1.50	5.02	1.53	1.84	0.27	20.98
Wever	[2.25]	0.65	0.26	2.48	2.78	5.27	0.79	1.90	5.36	[3.05]	[2.75]	[0.95]	28.49
Williamsburg	0.92	2.31	0.73	1.90	3.67	9.19	2.59	2.72	4.46	2.29	2.52	1.13	34.43
Winterset	1.35	0.25	1.09	2.72	4.25	6.15	1.06	2.77	4.45	2.19	1.69	0.27	28.24
Kansas													
Alden	0.54	0.09	0.18	1.75	7.10	4.55	1.82	5.07	2.67	1.99	3.10	0.13	26.99
Alton (near)	0.55	0.36	T.	3.09	2.83	2.85	1.25	2.97	1.43	2.43	2.05	T.	19.81
Anthony	1.16	T.	0.03	2.83	5.78	4.29	3.27	2.09	1.89	2.30	2.35	1.16	26.65
Arkansas City	1.47	0.02	0.09	2.23	5.54	6.21	2.26	3.78	3.70	2.00	2.66	1.15	31.20
Ashland	0.15	T.	0.21	3.15	3.31	2.18	1.05	0.68	0.53	2.55	3.30	0.26	17.37
Atchison	1.20	0.79	0.56	3.23	6.67	4.85	0.34	2.53	6.24	4.06	3.88	0.51	34.86
Atwood	0.31	0.47	0.21	2.38	3.65	2.63	3.25	4.80	3.20	4.25	1.12	0.17	26.44
Augusta	[1.70]	0.00	0.18	1.92	5.47	1.77	1.20	2.46	6.66	2.27	2.74	0.20	26.57
Bazaar	0.76	0.48	0.82	3.06	4.17	2.60	2.25	2.37	4.04	3.89	2.97	0.21	27.64
Beaver	0.35	0.31	0.33	2.18	4.01	7.39	1.72	5.29	3.76	5.32	2.23	0.20	32.69

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Kansas—Continued													
Beloit	0.47	0.18	0.21	2.14	4.95	4.28	1.79	2.53	1.52	2.68	1.57	0.07	22.39
Bird City (near)	0.38	0.43	0.46	1.53	4.66	3.14	1.99	2.27	0.83	4.09	1.29	0.15	21.22
Bison (near)	0.39	0.58	0.07	1.53	3.30	3.05	2.13	3.28	3.06	3.80	2.19	0.27	23.65
Blue Rapids	0.55	0.08	0.32	3.04	6.61	5.19	0.70	8.55	3.65	0.63	3.00	0.14	32.46
Bucklin	0.22	0.02	0.15	1.98	3.82	1.65	2.53	0.93	3.92	2.70	3.49	0.54	21.95
Burlington	1.70	0.02	0.59	2.54	5.90	5.57	0.32	2.08	3.76	2.61	3.75	0.83	29.67
Burr Oak (near)	0.71	0.37	0.36	2.92	5.62	2.06	1.86	1.47	1.75	2.02	1.72	0.22	21.08
Carbondale	1.16	0.39	0.27	2.47	4.22	6.69	1.55	2.52	3.04	4.37	4.15	0.49	31.32
Cawker City	0.31	0.23	[0.10]	3.53	3.73	2.20	1.43	2.41	2.47	3.81	2.01	0.06	22.29
Centralia	1.65	0.20	0.67	3.86	4.62	9.11	3.64	4.65	1.38	0.75	2.77	0.10	33.40
Chanute	3.24	0.11	0.20	5.62	3.34	7.52	0.83	1.02	4.97	3.16	2.56	0.86	33.43
Chapman	1.03	T.	0.38	5.13	3.84	7.28	1.30	2.21	1.57	0.88	1.91	0.16	25.69
Cheney	1.33	[0.10]	0.12	1.14	6.13	1.97	0.92	2.66	3.37	2.72	2.03	0.95	23.44
Cimarron	0.11	0.00	T.	1.37	4.52	1.40	2.77	1.37	2.12	5.38	2.07	0.22	21.33
Claflin	0.43	0.28	T.	1.47	5.99	7.68	1.79	3.70	2.16	3.83	2.35	0.20	29.88
Clay Center	0.90	0.00	0.43	4.29	3.79	5.33	0.99	1.84	1.95	1.10	3.18	0.22	24.02
Clyde	0.60	0.20	0.53										
Coffeyville					6.09	10.64	1.33	1.65	11.63	3.61	2.31	0.92	
Colby	0.28	0.46	0.16	2.48	4.88	3.42	1.91	4.30	0.66	5.12	1.81	0.09	25.57
Coldwater	0.28	T.	T.	2.73	2.82	2.10	1.91	0.40	0.71	2.11	0.80	0.41	14.27
Columbus	4.29	1.98	0.77	7.11	3.27	8.73	1.74	2.76	3.69	2.69	2.39	0.99	40.41
Concordia	0.68	0.14	0.24	3.51	5.52	3.58	2.17	1.85	1.78	2.32	3.14	0.10	25.03
Council Grove	0.68	0.53	0.52	4.39	4.48	4.32	1.29	1.68	2.27	2.43	3.47	0.10	26.16
Deerfield (near)	0.29	0.50	0.16	1.49	3.49	1.26	3.09	1.55	1.85	5.77	0.76	0.55	20.76
Dodge City	0.32	0.04	0.07	2.79	3.28	1.27	1.54	0.55	2.70	4.24	1.77	0.57	19.14
Dresden	0.46	0.83	0.39	3.60	5.26	6.58	1.86	4.53	3.05	5.78	2.73	0.26	35.33
Eldorado	1.68	0.00	0.37	2.22	5.58	3.00	1.61	2.26	5.63	2.44	4.40	0.63	29.82
Elkhart	0.28	0.01	0.07	0.77	2.12	1.14	2.66	0.62	1.43	7.52	0.81	0.28	17.71
Ellsworth	1.10	0.13	0.45	1.53	6.25	9.31	1.83	3.56	3.59	3.08	2.66	0.43	33.92
Elmdale	0.44	0.57	0.64	4.14	5.48	3.82	1.78	2.77	4.61	3.75	3.20	0.15	31.35
Emmett	0.85	0.57	0.60	3.54	4.90	5.43	2.26	5.71	5.10	5.24	3.71	0.25	38.16
Emporia	1.06	0.41	0.97	2.34	5.23	3.95	1.06	2.23	2.84	3.66	2.77	0.37	26.89
Eskridge	1.11	0.80	0.20	3.98	5.01	4.00	0.80	3.66	2.82	3.87	3.88	0.17	30.30
Eureka	1.79	T.	0.66	3.42	7.41	4.59	1.96	1.72	6.59	3.54	3.03	0.51	35.22
Florence	1.13	0.07	0.32	4.48	4.49	1.94	2.42	2.17	5.21	2.30	3.60	0.16	28.29
Fort Scott	3.34	0.48	0.17	3.11	2.98	6.35	1.31	1.18	4.67	4.05	2.88	0.89	31.41
Fredonia	2.35	0.17	0.07	5.41	4.16	6.04	1.40	1.34	6.70	2.58	2.85	0.95	34.02
Garden City	0.50	0.18	T.	1.57	3.45	1.63	2.98	1.12	3.29	6.49	1.43	0.40	23.04
Garnett	2.45	0.08	0.51	5.82	2.93	6.23	0.48	1.53	4.40	3.09	2.71	1.01	31.24
Goodland	0.06	0.27	0.17	1.55	4.43	5.66	4.10	3.27	0.89	4.94	1.33	0.09	26.76
Gove (near)	0.10	0.47	0.06	2.46	3.90	2.06	3.34	2.83					
Great Bend	0.30	0.05	0.06	1.42	5.00	3.67	1.22	3.43	5.75	4.40	2.78	0.36	28.44
Greensburg	0.47	T.	T.	1.69	3.28	2.15	2.52	2.13	3.54	3.28	2.54	0.58	22.18
Hanover	0.50	0.21	0.71	3.92	5.17	5.59	1.55	6.91	1.99	0.99	3.74	0.29	31.57
Hays	0.30	0.63	0.02	1.71	3.10	3.86	1.14	3.80	2.45	5.25	2.63	0.14	25.03
Healy	0.14	0.44	0.04	2.16	4.12	1.77	1.68	2.83	0.34	5.47	1.79	0.08	20.86
Herington	0.55	1.11	0.36	2.38	3.79	3.55	1.62	4.24	5.58	2.14	2.41	0.05	27.78
Hesston	0.66	0.35	0.52	3.30	5.65	1.79	3.26	3.82	[2.00]	[1.70]	[2.00]	0.10	25.15
Hill City	0.30							2.97	2.08				
Holton	[0.90]	0.61	0.75	6.64	4.63	4.55	1.38	4.61	8.68	3.39	3.42	0.20	39.76
Horton (near)	1.07	1.03	0.51	5.03	4.74	8.94	0.58	2.50	2.56	1.35	3.35	0.19	31.85
Howard	2.35	[0.07]	[0.25]	4.06	[5.60]	[7.50]	3.16	1.11	5.67	2.13	3.37	1.02	36.29
Hoxie	0.42	0.47	0.10	3.23	4.66	5.71	2.32	4.74	1.64	7.39	2.45	T.	33.13
Hudson	0.20	0.00	0.26	1.28	5.37	2.61	2.06	2.55	2.50	4.29	2.55	0.16	23.83
Hugoton	0.20	0.00	0.40	0.43	2.55	2.15	5.18	1.28	1.43	7.87	0.35	0.25	22.09
Hutchinson	0.72	0.02	0.29	2.20	8.53	3.45	1.87	5.27	3.62	2.35	3.05	0.21	31.58
Independence	3.48	0.28	0.28	5.54	3.75	8.19	1.84	2.58	7.12	2.28	2.84	0.76	38.94
Iola	2.34	0.05	0.16	4.14	4.12	6.03	0.45	1.60	6.72	3.43	2.85	0.98	32.87
Irene	0.48	0.06	0.31	0.78	2.45	1.22	3.91	3.24	6.24	3.43	1.01	0.44	23.57
Jetmore	0.13	0.25	0.03	1.50	2.39	1.30	3.27	1.91	1.50	7.20	[3.00]	0.25	22.73
Johnson	0.42	0.05	0.12	0.76	2.41	1.89	2.71	3.32	3.89	4.96	1.18	0.21	21.92
Junction City	0.98	0.35	0.65	6.88	3.46	9.88	0.52	3.46	2.89	1.64	3.44	0.10	34.25
Kismet (near)	0.29	T.	0.25	0.87	2.10	1.34	3.69	1.00	1.04	7.39	0.94	0.03	18.94
La Cygne	2.76	0.04	0.34	3.46	4.19	5.05	1.04	1.98	4.25	2.76	2.69	0.95	29.51
Lakin	0.30	0.23	0.02	1.64	3.29	1.46	3.18	3.02	2.19	7.46	1.21	0.50	24.50
Larned	0.15	0.32	0.01	1.67	2.98	3.86	2.16	4.11	2.28	3.72	2.23	0.57	24.06
Lawrence	1.09	0.45	0.49	1.63	4.37	3.47	2.33	3.99	2.44	1.81	3.07	0.66	25.80
Leavenworth	1.94	0.48	0.47	2.92	5.28	4.59	1.33	3.91	3.46	3.20	4.69	0.75	33.02
Lebo	0.90	T.	0.32	2.74	3.18	4.00	1.44	1.20	4.60	1.89	2.69	0.55	23.51
Leoti	0.35	0.75	0.16	1.37	4.20	2.42	1.85	3.00	1.01	5.13	1.08	0.15	21.46
Le Roy	2.38	0.00	0.32	3.68	5.80	4.94	0.19	1.17	3.44	2.79	3.34	0.40	28.45
Liberal	0.31	0.00	0.15	0.84	1.97	3.62	2.19	1.92	1.32	3.60	0.45	0.14	16.51
Lincoln	0.50	0.13	0.12	1.86	4.49	3.45	0.63	2.41	2.76	3.59	2.83	0.09	22.86
Lindsborg	0.88	T.	0.26	2.62	5.71	3.07	1.65	3.50	5.40	1.64	2.35	0.19	27.27
Lyndon (near)	1.39	0.57	0.36	2.44	4.01	5.81	0.60	0.93	2.72	1.95	3.93	0.50	25.21
McFarland	1.30	0.85	0.84	7.72	5.22	3.78	1.45	2.01	1.94	2.08	3.71	0.13	31.03
McPherson	1.33	0.41	0.46	1.64	6.88	2.43	1.08	2.04	1.91	1.37	1.92	0.20	21.67
Macksville	0.57	T.	0.39	1.21	5.76	1.04	4.35	2.15	1.84	3.83	1.97	0.45	23.56
Manhattan	0.85	0.37	0.52	6.72	5.23	6.39	0.57	4.99	2.43	2.86	3.14	0.11	34.18
Marion	0.67	0.20	0.74	3.66	4.86	2.29	2.19	3.20	3.57	1.95	3.52	0.17	27.02
Medicine Lodge	0.36	T.	0.17	1.75	5.93	2.29	3.42	0.94	0.89	2.28	1.42	0.34	19.79
Medora	0.65	0.40	0.58	3.03	7.54	2.31	1.71	4.32	4.38	1.77	3.80	0.10	30.59
Mentor	0.84	[0.09]	[0.40]	1.98	4.59	4.56	1.50	3.39	2.94	1.10	2.12	[0.18]	23.69
Minneapolis	0.85	0.05	0.09	2.09	5.82	4.38	0.71	3.35	3.76	2.30	2.51	0.22	26.13
Minneola	0.04	0.04	T.	2.09	3.49	1.08	1.80	1.68	1.18	4.24	1.80	0.20	17.64
Mount Hope	1.00	0.20	0.21	2.82	5.17	1.49	2.24	4.12	4.84	2.18	2.35	0.25	26.87
Neosho Rapids	1.18	0.03	0.48	2.73	3.01	4.15	1.47	0.76	4.20	3.07	4.01	0.42	25.51
Ness City (near)	0.32	0.20	0.00	4.36	2.42	3.27	2.80	3.02	1.81	4.31	2.40	0.10	25.01
Newton	1.19	0.18	0.37	3.08	6.51	1.71	3.77	4.23	2.66	1.80	2.58	0.05	28.13
Norton (near)	0.03	0.75	0.15	4.33	3.75	3.17	2.22	3.81	1.51	4.42	2.45	0.08	26.67
Norwich	0.36	0.00	0.19	1.26	6.76	2.71	4.00	5.36	3.51	2.33	2.23	0.94	29.65
Oakley	0.48	0.36	0.03	2.84	4.36	2.33	2.67	3.55	0.91	8.69	1.75	0.15	28.12
Oberlin	0.38	0.39	0.06	4.46	5.25	6.05	2.91	2.25	1.79	4.61	2.14	0.26	30.55
Osborne	0.83	0.28	0.83	2.64	5.55	3.52	1.30	6.06	2.16	0.55	2.85	0.37	26.94
Oketo	[2.40]	0.76	0.75	2.61	3.24	3.08	2.01	1.87	2.68	1.81	2.34	0.83	24.38
Olathe	1.74	0.40	0.42	2.42	3.51	6.39	[1.20]	1.57	2.18	3.91	3.90	0.50	28.14
Osage City	3.25	1.03	0.40	7.77	5.29	8.23	1.70	2.92	5.26	2.49	2.80	0.97	42.11
Oswego													

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Kansas—Continued													
Ottawa	2.29	0.19	0.69	3.63	3.21	4.41	1.38	2.02	3.37	2.24	2.65	0.78	26.86
Overbrook	1.48	0.55	0.39	1.71	4.09	5.98	0.84	1.22	1.79	2.30	3.72	0.50	24.57
Overbrook (near)	1.15	0.82	0.47	1.77	4.86	4.27	1.04	2.81	2.18	1.42	4.61	0.71	26.11
Paola	2.32	0.05	0.33	3.00	2.07	6.75	1.77	2.45	3.17	2.17	2.51	0.71	27.30
Parsons	3.52	0.54	0.24	6.09	5.56	8.99	1.88	1.49	5.26	3.46	2.99	1.06	41.08
Phillipsburg	0.30	0.40	0.18	4.06	3.40	2.90	2.85	3.69	2.03	2.77	2.64	0.37	25.59
Pittsburg	3.46	1.10	0.40	5.05	5.19	6.14	3.11	2.37	4.23	3.85	2.79	0.81	38.50
Plains	[0.25]	[T.]	0.25	0.80	1.77	4.31	2.37	0.73	1.32	5.07	1.71	0.25	18.83
Plainville	0.55	0.48	0.16	2.33	4.65	2.48	2.03	8.91	4.47	3.32	2.30	0.15	31.83
Pleasanton	3.41	0.06	0.52	3.60	3.09	4.88	0.17	1.25	6.19	2.62	2.56	1.10	29.45
Pomona (near)	1.50	0.65	0.25	2.22	3.57	3.29	0.66	1.67	2.39	1.03	3.20	0.50	20.93
Pratt	0.34	0.00	0.30	1.81	4.64	1.61	2.91	0.59	1.82	2.98	1.65	0.49	19.14
Quenemo	1.69	0.42	0.66	2.56	3.79	3.54	1.02	0.70	2.17	1.40	3.47	0.67	22.09
Quinter	0.33	0.67	0.14	2.73	3.76	2.40	2.25	5.15	1.55	5.12	2.64	0.13	26.87
Randolph	0.55	T.	0.14	1.89	6.67	7.78	1.62	5.34	4.36	1.37	2.95	0.90	33.57
Reading	0.87	0.30	0.45	1.83	3.73	4.14	1.33	1.95	3.04	3.45	3.40	0.34	24.83
Republic	0.49	0.30	0.38	3.36	7.22	2.51	1.23	1.44	1.55	1.84	1.76	0.13	22.21
Richfield	0.30	T.	0.05	1.62	1.35	1.78	1.25	3.20	1.85	8.90	0.65	0.70	21.65
Russell	0.51	0.58	0.11	2.69	3.64	4.01	1.20	4.05	4.47	5.13	2.90	0.21	29.50
St. Francis	0.19	0.34	0.24	2.07	5.53	2.55	2.56	4.79	1.76	4.41	1.53	0.14	26.11
Salina	0.79	0.11	0.50	2.59	6.14	5.91	1.31	4.26	5.84	1.13	3.10	0.45	32.13
Scott City	0.14	0.31	0.10	2.16	4.35	1.40	1.68	1.29	1.17	8.72	1.45	0.12	22.89
Sedan	2.26	0.07	0.23	6.38	5.76	9.04	1.72	2.57	7.57	3.10	3.11	1.94	43.75
Sedgwick	0.86	0.00	0.19	1.71	5.12	2.37	1.37	7.25	3.45	1.17	2.60	0.20	26.29
Sharon Springs	0.08	0.37	0.09	2.25	5.15	2.04	4.03	2.89	0.86	3.50	2.18	0.05	23.49
Smith Center	0.47	0.13	0.00	2.93	3.12	2.13	1.72	1.90	1.14	2.96	2.08	T.	18.58
Solomon	0.64	0.07	0.17	3.12	4.32	4.31	0.92	3.43	3.62	0.98	2.14	0.18	23.90
Sublette	0.68	0.02	0.29	1.12	2.06	2.54	3.06	2.79	1.27	8.76	1.39	0.31	24.29
Syracuse	------	0.27	0.35	------	------	1.18	2.69	------	1.75	3.80	1.61	------	------
Topeka	0.91	0.60	0.55	4.52	3.89	4.73	1.57	2.88	5.85	5.07	2.95	0.37	33.89
Toronto	3.12	T.	0.39	5.58	6.06	7.04	1.07	0.86	4.65	3.82	3.47	0.60	36.66
Tribune	0.20	0.35	0.18	1.92	2.91	1.73	1.89	0.96	0.43	3.38	1.34	0.09	15.38
Trousdale	0.41	T.	0.30	1.26	5.78	1.19	2.96	1.12	2.73	3.82	1.66	0.57	21.80
Ulysses	0.23	0.02	0.23	0.74	2.12	2.16	3.49	2.87	2.47	7.11	0.86	0.12	22.42
Valley Falls (near)	0.96	0.40	0.46	3.36	[5.70]	2.80	[1.30]	[2.50]	4.19	4.62	2.62	0.28	29.19
Vinland	1.82	0.65	0.57	2.67	2.95	4.01	2.48	4.26	2.98	1.75	2.58	0.81	27.53
Wakeeney	0.20	0.44	0.05	3.14	3.41	3.45	5.43	3.71	1.51	4.45	2.88	0.03	28.70
Walnut	3.85	0.12	0.14	3.67	3.99	6.97	2.10	2.60	3.69	2.43	3.54	1.30	34.40
Wamego	0.88	0.55	0.58	4.58	5.57	5.17	0.52	3.45	2.10	3.51	3.11	0.08	30.10
Wellington	1.79	0.03	0.18	2.64	8.65	4.15	3.54	3.09	4.84	4.50	2.21	0.68	36.30
Wheaton	[0.80]	[0.50]	0.60	4.46	9.00	8.18	0.68	5.00	3.54	0.90	3.30	[0.20]	37.26
Wichita	1.24	T.	0.22	1.68	5.02	2.36	1.06	2.96	5.29	2.55	3.05	0.58	26.01
Willard	[1.00]	0.55	0.50	4.83	5.88	4.91	1.82	2.38	3.75	3.97	3.29	0.11	32.99
Winfield	1.53	0.08	0.29	4.24	5.54	9.30	2.50	2.14	4.77	2.37	2.47	1.00	36.23
Kentucky													
Addison (Dam No. 45)	7.27	3.84	1.31	0.46	2.68	2.78	0.40	0.92	3.86	1.16	1.99	2.20	28.87
Anchorage	5.97	4.31	1.33	0.95	0.98	1.55	0.34	1.66	1.59	0.60	1.88	2.27	23.43
Ashland	2.12	3.29	3.19	1.57	1.83	0.89	1.30	3.75	0.68	0.94	1.14	2.56	23.26
Bardstown	5.83	3.65	1.78	1.44	3.41	1.05	1.05	2.45	2.47	1.30	2.61	2.40	29.44
Beattyville	2.67	2.99	3.24	1.11	3.56	1.44	2.09	2.29	1.22	1.28	1.90	2.84	26.63
Beaver Dam	7.55	3.80	1.45	1.68	2.99	2.22	0.75	1.61	1.45	1.10	1.88	2.30	28.78
Berea	3.20	3.39	2.93	0.88	3.76	1.02	1.21	1.85	1.06	1.44	1.46	2.03	24.23
Bowling Green (No. 1)	5.51	3.81	1.48	1.12	3.49	1.38	2.65	2.09	1.41	1.87	2.99	2.70	30.50
Bowling Green (No. 2)	5.37	3.11	1.17	1.02	3.11	1.87	1.69	1.72	1.24	1.23	1.85	2.95	26.33
Brownsville	6.52	4.60	1.98	1.66	2.55	1.95	1.13	1.83	0.83	1.69	2.37	2.83	29.94
Burnside	2.65	3.71	3.01	0.96	6.38	1.48	2.15	1.15	1.40	2.30	1.95	3.46	30.60
Calhoun	8.28	4.62	1.34	1.60	3.60	2.13	0.33	2.84	3.49	1.41	1.27	2.30	33.21
Carrollton	4.66	3.18	1.85	1.65	1.79	0.87	1.09	2.60	4.45	0.71	1.19	2.28	26.32
Cold Spring	4.31	3.16	1.66	2.09	1.44	0.83	2.02	1.23	2.92	0.66	1.14	1.47	22.93
College Hill	2.79	2.54	2.38	1.16	2.52	1.57	1.10	2.81	1.71	1.39	1.15	2.01	23.13
Cynthiana	3.91	3.64	2.04	2.55	1.73	1.24	0.60	2.68	1.42	0.44	1.64	1.90	23.79
Dix Dam	3.82	2.78	2.39	0.81	2.87	2.53	1.22	2.45	2.72	1.01	1.99	2.42	27.01
Dorton	1.61	2.95	2.75	1.52	2.60	1.63	1.70	5.29	------	------	------	------	------
Earlington	10.43	4.92	1.28	1.91	3.05	2.13	0.18	3.35	2.76	1.97	1.72	2.71	36.41
Eubank	2.67	3.77	1.87	1.03	5.28	2.64	2.55	1.60	2.42	1.09	1.24	2.57	28.73
Falmouth	4.03	3.24	2.00	2.22	1.14	2.48	0.94	2.07	2.32	0.80	1.13	2.11	24.48
Farmers	3.39	3.04	2.92	1.63	2.03	0.99	1.86	2.85	2.48	1.35	1.21	2.05	25.80
Flemingsburg	5.11	4.05	3.08	1.75	2.85	1.83	0.83	5.40	1.57	1.37	1.47	1.97	31.28
Ford	2.39	3.04	2.15	0.92	3.06	0.53	1.46	1.87	2.23	1.03	1.43	1.74	21.85
Fords Ferry	7.22	2.45	2.29	1.82	1.27	3.60	0.30	0.78	4.92	2.15	1.94	1.76	30.50
Frankfort	4.92	4.39	1.42	0.92	2.80	0.91	0.18	2.05	1.00	0.69	1.13	2.18	22.59
Franklin	5.20	3.20	2.00	0.75	5.75	1.20	1.73	2.30	2.30	0.92	1.45	0.75	27.55
Gest	5.01	3.45	1.80	1.23	2.00	1.06	1.53	2.37	2.37	0.81	1.30	2.12	25.04
Grant	4.37	3.00	1.75	1.55	0.53	1.65	1.65	1.82	3.40	0.68	1.13	1.85	23.38
Grayson	3.00	2.94	2.22	1.27	1.56	1.27	1.56	2.53	1.35	1.51	1.51	2.04	22.75
Greensburg	5.54	3.22	1.88	1.31	4.07	2.45	1.97	1.72	5.21	0.93	2.24	2.31	32.85
Greenup	2.01	3.35	2.34	1.24	1.75	1.19	1.38	3.79	1.41	1.04	1.15	1.67	22.52
Greenville	7.37	3.13	1.34	1.64	2.70	1.89	0.69	1.94	1.40	2.78	2.29	2.38	29.55
Harlan	1.89	4.07	3.85	1.73	4.68	1.49	2.04	3.69	1.43	1.61	3.69	3.47	33.64
Hazard	1.44	2.91	2.75	1.01	5.13	1.89	2.53	1.79	2.60	1.40	1.90	2.68	28.03
Heidelberg	2.69	2.81	2.68	0.52	4.40	1.82	2.67	2.28	2.25	1.33	2.11	2.53	28.09
High Bridge	4.00	3.23	2.45	0.96	3.43	1.34	1.02	1.47	2.16	0.78	1.87	2.89	25.60
Hopkinsville	7.01	5.05	1.46	1.65	2.78	2.74	1.42	1.05	1.35	2.61	2.44	2.12	31.68
Irvington	5.83	4.08	1.08	0.34	1.83	3.15	T.	1.38	2.83	1.13	2.01	2.16	25.82
Jenkins	1.86	2.41	1.93	1.39	3.39	1.57	2.35	3.30	1.02	1.58	2.72	2.14	25.66
Junction City	4.53	4.05	3.05	1.26	3.95	2.54	0.50	1.88	3.74	2.08	2.21	2.63	32.42
Lancaster	2.83	2.50	1.93	1.24	4.34	1.95	1.38	1.82	2.64	1.73	1.79	2.04	26.19
Leitchfield	7.00	3.91	1.72	1.27	3.36	2.32	0.36	1.74	1.85	1.51	2.42	2.23	29.69
Lexington	4.44	2.91	2.54	0.81	3.35	1.89	0.45	1.69	2.80	0.63	1.59	1.79	24.89
Little Hickman	4.12	2.97	2.28	0.68	4.25	1.16	0.79	1.99	2.68	1.15	2.08	1.97	26.12
Lockport	5.02	3.37	1.96	0.78	3.14	2.33	0.58	2.81	2.21	0.76	1.42	2.04	26.42
Louisa	1.68	2.85	2.03	1.46	1.98	1.32	0.83	3.93	1.37	1.04	1.50	1.88	21.87
Louisville (Weather Bureau)	5.95	3.86	1.62	0.64	1.46	1.77	0.25	1.20	2.35	0.80	2.11	1.87	23.88
Louisville (No. 2)	6.14	3.88	1.32	0.60	2.49	1.98	0.54	1.29	3.13	0.86	2.00	2.07	26.30
Lovelaceville	9.51	3.61	2.53	1.10	2.08	1.75	0.02	1.80	3.80	2.09	2.04	2.17	32.80
Manchester	1.40	3.72	3.01	1.13	3.16	1.95	5.27	3.03	1.24	2.12	1.32	3.14	30.49
Marion	8.61	2.86	1.62	1.85	1.98	1.42	T.	1.80	1.73	1.72	1.64	1.83	27.06

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Kentucky—Continued													
Mayfield	11.10	3.38	2.65	1.65	4.69	1.36	0.00	1.02	2.32	2.65	2.88	2.14	35.80
Maysville	2.94	3.07	2.21	1.64	1.26	0.76	1.17	1.89	2.07	0.70	0.81	1.82	20.34
Middlesboro	1.69	2.97	3.45	0.97	3.80	1.98	3.91	2.09	2.96	1.89	3.69	3.19	32.59
Mount Sterling	3.90	3.18	2.59	1.32	2.72	1.05	1.57	3.22	2.43	1.18	1.48	1.07	25.71
Munfordville	6.23	3.88	2.52	2.12	4.04	0.99	0.47	2.04	1.39	0.60	2.20	2.34	28.82
Murray	9.80	4.36	2.61	1.61	4.20	1.38	T.	0.32	1.61	2.27	2.50	2.80	33.46
Oneonta	4.32	3.52	1.87	2.26	1.16	1.73	1.99	1.91	1.39	0.82	1.10	1.97	24.04
Owensboro (No. 1)	6.42	3.06	1.23	0.89	1.63	2.11	0.46	1.42	6.87	0.84	1.53	1.81	28.27
Owensboro (No. 2)	7.67	3.34	1.42	0.88	2.15	1.92	0.35	1.23	5.24	1.08	1.89	2.22	29.39
Paducah	8.64	3.52	2.29	0.95	1.55	3.10	0.56	2.96	5.63	1.98	2.23	1.92	35.33
Paducah (near)	10.15	2.98	2.47	1.85	2.30	2.30	0.55	2.59	3.91	2.67	3.04	2.01	36.82
Pikeville	0.48	2.26	2.66	0.96	3.12	1.22	1.16	5.16	2.06	1.13	2.25	1.41	23.87
Prestonburg	1.95	2.77	2.83	1.33	2.70	1.98	0.80	2.57	0.73	1.09	1.89	2.34	22.98
Princeton	11.03	4.10	1.53	1.60	4.29	2.91	1.03	2.20	3.49	2.18	1.71	2.06	38.13
Quicksand	2.48	3.63	3.47	0.86	3.89	1.60	1.52	2.95	2.46	1.30	2.11	3.25	29.52
Ravenna	2.10	2.34	2.58	0.95	2.55	1.47	0.98	1.22	1.32	0.86	0.84	1.17	18.38
Richmond	2.78	3.14	2.56	1.58	3.36	1.97	2.25	2.19	2.31	1.55	1.53	1.85	27.07
Rumsey	8.23	4.19	1.19	1.65	4.24	2.28	0.39	2.71	3.38	1.57	1.84	2.36	34.03
Russellville	5.83	4.00	1.32	1.21	4.25	0.56	1.62	------	------	------	------	------	------
St. John	6.34	4.20	1.75	1.02	2.53	3.72	0.77	1.95	4.10	1.40	2.53	2.08	32.39
Salvisa	5.18	3.79	3.05	1.66	3.49	1.32	1.66	1.98	3.56	1.07	1.96	2.22	30.94
Scott	4.31	3.25	2.07	2.77	1.40	1.61	1.80	2.73	3.66	0.88	1.17	1.55	27.20
Shelbyville	6.69	4.17	1.63	1.00	2.35	2.07	1.00	2.41	2.66	0.87	1.47	2.32	28.64
Taylorsville	5.60	4.71	1.72	1.50	3.20	2.17	0.40	2.62	2.19	1.20	1.64	1.87	28.82
Tyrone	4.75	4.55	2.30	1.72	3.66	3.21	1.50	3.04	3.49	0.75	2.02	2.20	33.19
Uniontown (Dam No. 49)	7.50	3.07	2.29	0.86	0.88	3.89	0.26	1.53	5.83	0.74	1.31	1.71	29.87
Valley View	2.47	2.28	1.92	0.64	4.93	0.89	1.15	3.46	3.09	1.48	2.88	1.58	26.77
Vanceburg	3.30	4.46	4.25	1.91	1.24	1.56	0.82	2.10	1.92	1.38	1.32	2.01	26.27
Whitesburg	1.43	3.11	2.65	0.85	3.58	2.62	2.54	2.25	1.19	1.68	2.16	2.11	26.17
Williamsburg	2.65	4.32	3.34	1.09	4.57	1.06	5.00	2.87	3.06	2.13	1.56	3.13	34.78
Williamstown	4.43	3.50	2.20	1.84	1.62	1.46	0.86	1.80	2.32	1.03	1.83	2.16	25.05
Willow	1.40	[2.90]	2.67	0.65	4.90	0.89	1.90	1.35	0.58	1.35	1.21	2.75	22.55
Woodbury	6.40	3.53	0.97	1.58	3.30	1.08	0.91	2.37	1.18	1.83	1.86	2.27	27.28
Louisiana													
Abbeville	9.14	3.16	2.63	3.02	4.77	0.96	2.70	3.46	6.72	5.71	7.49	3.14	52.90
Alexandria	5.18	4.14	3.31	0.38	9.46	T.	1.65	1.16	3.40	5.21	6.76	6.27	46.92
Amite	6.77	3.71	4.60	1.41	3.08	T.	6.37	3.93	10.27	6.06	6.93	4.15	57.28
Angola	5.42	4.14	3.69	0.58	3.89	0.00	2.91	1.53	7.89	3.53	4.07	4.20	41.85
Arcadia	11.26	[5.15]	1.87	0.65	10.41	0.21	0.97	3.25	3.52	6.37	4.51	4.47	52.64
Baton Rouge	9.03	2.56	4.91	2.01	6.23	T.	4.92	4.85	9.27	3.50	6.40	2.24	55.92
Bogalusa	------	------	------	------	------	------	4.67	5.19	7.38	1.72	8.11	1.74	------
Burrwood	6.92	4.77	5.19	1.69	1.65	1.60	4.36	4.57	8.28	6.04	9.14	3.69	57.90
Calhoun	5.80	2.74	2.63	0.58	12.27	0.42	0.52	1.75	3.09	6.52	3.92	4.66	44.90
Cheneyville	6.36	3.59	2.84	0.63	4.54	0.58	1.72	1.54	8.44	2.92	6.92	5.42	45.50
Cinclare	10.21	2.72	5.16	1.83	6.34	0.00	6.02	5.30	7.10	2.40	6.86	2.79	56.73
Clinton	9.87	3.36	3.58	0.74	4.57	T.	3.46	1.41	8.82	2.41	7.18	2.44	47.84
Covington	6.08	------	4.77	1.09	2.94	0.79	7.60	3.75	9.84	4.45	3.13	2.08	------
Crowley	9.66	5.24	2.26	1.32	4.56	0.63	4.47	5.33	10.84	3.06	4.33	3.51	55.21
Dalcour	7.74	1.92	3.15	1.93	1.60	0.65	3.20	8.96	10.52	3.84	7.67	2.82	54.00
Delta Farms	7.57	2.09	4.25	2.80	1.80	0.96	8.94	14.72	9.96	5.72	8.98	2.68	70.47
De Ridder	6.67	4.01	3.37	1.21	4.51	0.90	5.47	5.49	6.59	7.20	4.13	5.23	54.78
Dodson	6.29	2.70	3.19	0.75	7.68	0.68	0.78	0.45	3.80	7.07	6.02	5.68	45.09
Donaldsonville	7.37	3.36	2.79	2.84	1.95	0.05	5.85	6.42	10.71	6.07	5.45	2.48	55.34
Elizabeth	7.29	4.37	2.79	1.07	3.44	1.03	3.65	3.16	5.67	3.00	5.12	6.27	46.86
Franklin	7.22	2.68	2.92	2.91	7.12	1.41	5.99	9.43	11.55	4.11	4.83	2.15	62.32
Franklinton	7.82	3.32	4.30	1.35	5.95	0.21	5.63	3.72	8.61	1.60	7.54	2.85	52.90
Grand Cane	8.19	3.76	2.45	0.26	6.17	0.74	3.44	2.32	3.52	5.24	5.72	3.23	45.04
Grand Coteau	10.13	3.69	3.47	0.77	2.36	0.24	8.22	3.80	7.12	3.32	5.25	3.47	51.84
Hammond	6.53	5.62	3.76	1.67	3.89	1.28	7.90	7.04	15.12	1.99	7.03	2.27	64.10
Houma	8.64	2.96	4.27	3.28	1.24	1.34	8.16	5.55	9.11	5.27	6.35	2.24	58.41
Jeanerette	9.08	2.39	2.43	3.17	3.67	1.45	6.18	1.22	8.22	3.88	4.05	2.84	48.58
Jennings	9.25	4.09	2.97	1.76	7.88	1.72	5.49	7.56	7.00	3.21	6.42	3.75	61.10
Lafayette	8.68	4.29	3.27	1.37	3.58	0.36	9.04	6.02	9.41	5.77	5.32	3.86	60.97
Lake Arthur	8.95	------	------	2.24	5.38	0.33	2.65	6.51	7.36	5.35	6.90	3.19	------
Lake Charles	7.92	3.35	2.68	1.58	6.47	0.08	2.96	6.30	4.61	6.47	5.15	6.42	53.99
Lake Providence	6.78	3.67	3.72	0.88	13.66	0.17	1.38	3.03	2.03	3.79	4.65	3.82	47.58
Leesville	------	------	------	------	8.51	0.22	1.53	3.59	7.20	6.41	8.55	7.06	------
Logansport	11.66	3.34	3.78	0.00	8.72	0.38	0.82	0.48	1.84	5.16	4.06	3.28	43.52
Melville	10.06	3.63	2.91	0.87	2.63	0.00	2.73	6.67	6.44	1.81	4.87	4.68	47.30
Minden	7.93	4.15	2.33	1.06	13.00	0.36	0.24	2.34	3.81	5.86	4.57	4.20	49.85
Monroe	8.51	3.32	3.04	0.37	12.00	0.15	0.70	3.28	3.10	8.80	4.59	4.69	52.55
Morgan City	10.46	4.00	3.68	2.14	3.20	1.10	4.06	6.25	12.20	5.90	5.63	2.35	60.97
Natchitoches	8.76	3.96	3.29	0.35	6.74	2.21	1.83	1.37	3.68	6.79	------	2.55	------
New Orleans (Weather Bureau)	6.89	2.98	5.88	2.89	4.31	1.27	6.11	9.49	7.30	4.81	8.57	1.80	62.30
New Orleans (No. 2)	6.85	2.61	5.62	3.46	2.42	1.46	9.19	12.58	8.02	4.11	8.34	1.94	66.60
New Orleans (No. 3)	6.69	2.95	4.96	2.73	2.25	0.63	7.60	8.93	7.16	4.60	7.66	1.55	57.71
New Orleans (No. 5)	6.91	3.27	5.37	3.64	3.08	2.34	11.26	9.66	8.31	4.80	8.04	2.18	68.86
New Orleans (No. 6)	6.91	2.92	6.02	2.51	4.32	1.27	5.85	9.34	7.61	4.92	7.96	1.82	61.45
New Orleans (No. 7)	5.95	2.21	4.47	2.49	2.40	1.74	6.62	9.06	7.05	3.78	6.82	1.56	54.15
New Orleans (No. 8)	5.80	2.60	4.39	2.78	2.29	1.76	8.14	9.93	5.70	4.39	6.99	2.08	56.85
Paradis	9.95	2.66	7.64	2.83	1.87	1.30	4.19	5.13	9.98	5.09	9.51	3.36	63.51
Pearl River	5.58	2.12	4.00	1.34	2.52	1.06	4.32	10.12	7.21	5.28	6.57	1.92	52.04
Plain Dealing	9.76	4.68	3.02	0.54	10.80	1.46	0.00	2.01	4.88	5.17	5.08	4.95	52.50
Port Eads	5.26	3.79	5.56	1.48	1.18	1.04	6.56	2.56	15.47	6.47	9.57	4.94	63.88
Reserve	7.80	2.19	3.36	1.91	2.34	0.25	6.13	7.08	13.36	4.41	6.60	2.35	57.78
Robeline	6.23	2.81	3.46	0.71	6.88	0.97	2.53	2.06	3.48	6.27	5.57	5.14	46.11
Ruston	6.49	4.49	2.53	0.60	9.16	T.	0.10	3.86	3.41	6.92	4.55	3.85	45.96
St. Joseph	6.66	------	5.13	0.70	11.87	0.21	0.56	1.54	3.97	1.48	5.16	3.72	------
Schriever	9.91	3.65	3.91	2.86	2.28	1.20	6.75	10.15	9.54	4.09	8.80	3.45	66.59
Shreveport	9.13	4.72	1.24	0.75	6.42	0.76	0.21	2.40	4.88	4.72	4.29	3.89	43.41
Simmesport	5.96	4.26	3.39	0.65	4.35	0.50	3.30	2.22	4.45	1.67	5.79	4.95	41.49
Tallulah	6.35	3.15	4.18	0.41	9.61	T.	0.16	2.22	4.89	2.00	6.87	4.84	44.68
Urania	5.45	3.84	5.11	0.43	12.80	0.54	2.09	3.37	5.63	7.12	4.78	6.82	57.98
Ville Platte	8.06	4.49	3.49	1.14	3.03	0.61	2.83	6.23	6.72	1.83	6.19	6.17	50.79
Winnsboro	7.88	3.29	3.57	0.27	11.51	0.01	1.28	1.80	2.72	4.29	5.24	5.36	47.22
Woodworth	5.19	3.21	2.79	0.43	7.69	0.61	2.40	2.28	5.21	3.83	6.00	5.95	45.59

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Maine													
Alfred											3.93	1.17	
Aziscohos Dam	1.73	1.28	3.69	1.23	5.29	5.41	3.84	2.59	2.61	2.36	2.52	2.06	34.61
Bangor	2.69	2.16	5.85	1.28	3.27	0.87	2.52	2.52	2.31	3.48	2.68	1.93	31.56
Bar Harbor	1.91	3.47	5.86	0.69		0.15	2.95	0.96	1.19	4.31	3.76	4.45	
Brassua Dam	3.23	0.92	6.96	0.78	3.81	2.82	3.57	3.00	3.15	2.00	2.87	1.84	34.95
Buddington								2.91					
Clayton Lake							5.31	2.53	3.36				
Cupsuptic						6.54					2.31		
Danforth	3.03	2.72	5.46	1.79	3.71	2.47	3.41	1.51	2.50	2.56	1.28	1.33	31.77
Eastport	2.14	4.47	2.92	1.49	1.26	1.70	4.76	2.32	1.21	1.24	1.50	2.42	27.43
Ellsworth	2.71	4.56	7.01	1.92	3.94	0.76	2.91	1.52	1.44	3.86	2.85	3.65	37.13
Eustis	2.83	1.11	5.63	1.22	4.87		2.61	3.03	3.12	3.07	2.42	1.67	
Farmington	3.00	1.21	7.01	1.68	4.00	3.77	5.14	4.78	1.08	5.02	3.30	1.55	41.54
Fort Fairfield	2.83	1.10	5.17	1.55	2.47	6.52	5.66	3.05	3.26	2.18	1.51	1.75	37.05
Fort Kent	2.62		3.70	2.24	2.33	4.73	4.31	5.87	5.66	0.77	2.05	1.73	
Gardiner	2.39	3.14	7.39	1.85	4.59	1.93	3.59	3.38	0.69	3.86	3.23	2.63	38.67
Greenville	2.59	1.81	6.22	2.11	5.17	4.48	4.59	4.24	2.28	2.80	3.47	2.74	42.50
Hiram	3.54	0.88	6.88						0.65	3.66	4.67	1.36	
Houlton	4.29	1.77	5.17	1.33	4.05	4.24	2.74	2.11	2.47	1.71	2.47	1.62	33.97
Jackman	3.04	1.06	5.44	1.01	4.47	3.88	3.71	1.85	4.16	1.80	2.57	1.48	34.47
Kingfield					4.60	4.15	6.20	4.40	1.60	3.40			
Lead Mountain					3.56	1.50	3.72		2.38				
Lewiston	2.70	2.15	6.80	2.05	4.66	2.94	3.21	4.78	1.47	3.95	3.57	1.14	39.42
Lincoln	3.44	2.31	5.55	1.12	3.46	1.36	2.46	2.73	1.95	2.64	2.72	1.73	31.47
Machias	1.48	1.43	4.74	0.79	1.18	0.56	2.30	1.70	1.27	3.91	1.93	1.77	23.06
Madison	2.36	1.54	5.74	1.32	4.03	3.24	3.57	4.16	1.07	3.27	3.38	1.13	34.81
Middle Dam	2.17	1.13	3.88	1.76	7.00	5.10	5.60	2.95	2.92	2.90	3.75	1.37	40.33
Millinocket	3.69	1.58	6.31	1.58	3.86	1.92	3.88	2.25	2.30	2.22	3.24	2.41	35.24
Milo			3.93	1.35	4.41	2.68	3.12	3.31	2.37	2.92	3.47	1.47	
Moosehead									3.12	2.21	3.36	1.79	
Mount Agamenticus					4.32	2.61	3.25	3.13	1.39				
Mount Bigelow						3.92	2.51	2.67	2.75				
North Bridgton	2.83	1.29	6.88	2.02	5.42	3.84	3.41	5.43	1.28	5.13	4.57	1.77	43.87
Oldtown	2.90	2.75	5.58	1.49	3.41	2.29	3.36	2.07	1.50	2.87	2.17	2.97	33.36
Orono	3.92	1.75	5.77	1.47	3.19	2.17	3.02	1.77	2.30	2.76	2.20	3.14	33.46
Patten						1.87	6.94	2.04	2.66	1.37			
Portland	2.80	2.15	8.02	1.44	4.95	1.96	3.59	2.62	1.55	4.13	3.91	1.93	39.05
Presque Isle	1.95	1.26	2.96	0.97	2.80	4.21	5.10	2.70	3.44	1.05		1.13	
Ripogenus Dam	3.18	1.76	4.63	2.08	4.16	4.93	3.50	3.43	2.54	2.50	3.44	2.23	38.38
Rumford	2.99	1.06	5.72	2.13	4.49	4.04	4.28	4.06	0.71	4.15	3.87	0.90	38.40
Squa Pan				1.75	3.31	3.17	5.70	2.71	3.45	1.38	1.45	1.05	
The Forks	2.94	0.86	6.47	0.76	4.29	3.13	2.80	2.57	2.11	3.04	2.79	1.85	33.61
Upper Dam	2.56	1.43	4.08	1.67	5.15	4.92	2.87	2.36	2.97	2.23	3.48	0.80	34.52
Upton					5.59	3.33	4.09	2.94	1.74	1.74			
Van Buren	2.78	1.90	4.41	1.68	1.84	5.69	5.34	6.14	6.42	1.07	1.51	1.52	40.30
West Rockport	2.99	3.09	8.78	1.95	6.31	0.67	3.78	3.21	1.71	3.96	3.98	2.19	42.62
White Cap Mountain								5.54	2.95				
Winslow	2.39	1.82	5.88	1.46	4.01	1.50	3.49	3.34	0.49	3.35	3.72	1.38	32.83
Woodland	2.65	2.67	5.86	2.34	2.84	1.78	4.82	1.10	2.29	2.17	2.55	1.38	32.45
Maryland													
Aberdeen	3.42	2.30	1.89	2.45	1.56	3.17	1.52	0.38	3.17	0.73	1.51	1.90	24.00
Annapolis	3.67	1.88	1.73	1.29	1.28	2.78	3.37	0.21	0.69	0.85	1.23	2.18	21.16
Baltimore	2.66	2.38	2.27	3.12	2.91	2.97	0.64	0.78	0.37	0.37	1.13	1.95	21.55
Bell	3.14	1.70	2.29	2.96	1.32	1.69	1.17	0.33	0.35	0.38	0.94	1.71	17.98
Boyds	2.40	[1.73]	[2.40]	[3.20]	[1.15]	[2.86]	[0.33]	[0.82]	[0.60]	[0.29]	0.78	2.54	19.10
Cambridge (near)	3.81	1.51	1.13	1.62	2.79	2.26	2.85	1.83	0.70	1.17	1.55	2.41	23.63
Cecilton	[3.57]	[2.70]	2.05	1.61	3.64	1.70	2.49	0.71	2.06	1.01	1.01	1.78	24.33
Cheltenham	3.78	1.93	1.61	3.38	2.69	1.52	1.46	0.79	0.96	0.72	0.92	2.82	22.58
Chewsville	1.45	1.25	3.45	2.49	1.92	5.60	0.69	0.73	2.81	0.24	0.48	3.46	24.57
Clear Spring	2.03	1.62	3.75	2.26	2.10	5.52	0.72	1.53	1.75	0.77	1.40	4.08	27.53
Coleman	3.80	2.60	1.76	1.84	1.25	2.18	3.26	1.14	2.27	1.91	1.12	1.75	24.88
College Park	3.24	1.80	2.03	3.33	1.95	2.27	0.71	0.71	0.91	0.19	0.77	1.99	19.90
Crisfield	[2.95]	[1.45]	[2.10]	[1.90]	2.99	2.57	1.72	0.42	0.52	2.20	1.31	3.85	23.98
Cumberland	0.65	1.69	1.17	2.26	1.03	3.12	0.58	1.87	1.51	0.03	0.73	3.47	18.11
Darlington	2.93	2.40	2.61	2.61	1.59	3.01	3.12	0.31	2.35	0.48	2.06	2.67	26.14
Easton	4.21	1.76	1.08	1.90	2.56	2.41	2.00	1.00	0.40	1.36	1.50	1.86	22.04
Elkton	3.48	2.80	2.33	1.58	2.77	2.67	2.94	2.07	1.26	1.49	1.30	2.27	26.96
Emmitsburg	2.05	1.82	3.17	2.39	3.75	5.95	0.94	0.52	2.19	0.21	1.35	3.35	27.69
Fallston	2.71	2.15	2.37	3.10	1.29	2.85	0.47	0.48	2.62	0.41	1.51	2.12	22.08
Ferry Landing	3.75	1.61	0.81	2.67	2.90	1.59	2.71	0.15	1.02	0.94	1.48	2.38	22.01
Frederick	1.98	1.81	2.26	2.87	1.10	2.67	0.22	1.26	0.58	0.44	1.08	3.57	19.84
Friendsville	1.83	3.08	2.86	2.30	2.08	4.97	0.76	2.57	1.87	[0.47]	1.40	4.22	28.41
Frostburg	1.30	1.58	1.57	2.79	1.20	3.93	0.99	2.27	1.37	0.10	1.41	3.50	22.01
Grantsville	1.95	3.05	3.07	2.86	2.09	5.37	0.71	2.78	2.16	0.48	1.43	3.57	29.52
Great Falls	2.51	1.59	2.42	3.23	1.60	2.85	0.53	0.47	0.66	0.18	0.75	3.07	19.86
Hancock (Tonoloway)	0.90	1.19	2.34	2.92	1.69	4.30	0.21	2.25	1.65	T.	1.08	3.40	21.93
Keedysville	1.89	1.53	3.35	2.61	0.73	4.94	0.18	0.90	1.59	0.50	0.84	3.23	22.29
Laurel	2.14	2.01	2.57	3.79	1.12	3.18	0.73	0.67	0.39	0.23	0.84	1.73	19.40
Lutherville	2.59	2.31	3.09	3.64	1.91	3.77	0.34	1.03	1.26	0.80	1.57	2.42	24.73
Maryland Line	2.88	2.35	2.84	3.43	2.14	5.69	0.76	1.03	1.06	0.65	1.68	2.99	27.50
Mechanicsville	4.31	2.68	1.00	2.79	4.66	3.07	0.90	0.34	0.65	1.59	1.40	3.26	26.65
Millington	3.57	2.40	1.30	2.26	1.19	1.36	3.48	3.33	2.54	1.12	1.29	2.15	25.99
Newburg	3.58	1.67	0.89	2.68	3.85	3.06	1.12	0.27	0.87	0.98	0.99	[2.45]	22.41
Oakland	1.43	3.00	2.46	2.81	2.85	4.61	1.91	2.37	1.67	0.61	1.34	4.35	29.41
Picardy	0.56	1.15	1.70	1.86	1.05	4.43	0.26	1.49	0.99	T.	0.80	3.47	17.76
Pleasant Hill	2.34	2.82	3.30	3.56	1.90	4.03	0.59	0.45	1.38	0.38	1.15	2.75	24.67
Pocomoke City	2.94	1.97	2.04	1.43	3.10	2.83	2.75	0.61	1.26	1.85	1.45	2.46	24.69
Princess Anne	2.87	1.14	2.15	2.00	3.90	2.38	2.57	0.50	2.16	2.06	1.40	2.04	23.17
Public Landing	3.27	2.33	1.77	[1.41]	[3.20]	[2.80]	[2.60]	[0.85]	[0.85]	2.29	[1.60]	[2.40]	26.57
Ridgely	3.59	1.86	1.09	1.77	1.59	2.17	1.82	0.63	1.01	1.40	1.50	1.89	20.33
Rock Hall	3.79	2.27	1.72	2.24	1.30	[2.46]	2.56	0.55	0.26	0.87	0.75	2.23	21.60
Salisbury	3.75	1.48	1.64	1.63	2.62	2.49	1.00	0.90	0.99	1.72	1.64	1.81	21.67
Sines (Deep Creek)	1.51	3.15	2.54	3.10	1.84	3.95	1.09	2.06	1.35	0.48	1.02	3.20	25.29
Solomons	3.03	1.39	0.65	1.64	3.33	3.80	1.59	0.42	0.95	1.42	0.76	1.73	20.71

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Maryland—Continued													
State Sanatorium	2.17	2.37	4.45	2.64	1.17	4.66	1.86	0.66	2.32	0.12	0.99	3.21	26.62
Stevensville	3.93	3.36	2.07	1.53	2.19	3.71	3.18	1.10	0.78	1.66	1.42	1.98	26.91
Takoma	2.50	1.97	2.17	2.64	1.17	2.50	0.63	[0.49]	0.89	0.24	1.01	2.62	18.83
Towson	2.89	2.24	[2.75]	[3.40]	2.08	3.35	0.44	0.27	1.44	0.49	1.40	2.55	23.30
Western Port	0.84	1.64	1.59	2.69	2.08	3.35	2.02	2.25	1.06	0.19	1.23	2.53	21.47
Westminster	2.75	2.29	3.09	3.01	1.63	4.99	0.68	1.89	1.72	0.54	1.11	3.46	27.16
Woodstock	1.88	1.98	3.16	3.28	1.83	3.39	0.25	0.50	0.42	0.34	0.90	2.14	20.07
Massachusetts													
Adams					3.76	2.84	4.98	2.24	2.13	1.73	3.02	1.05	
Amherst	2.59	1.39	3.95	1.41	3.34	4.47	4.50	1.82	2.08	2.24	3.42	1.63	32.84
Ashland	2.57	2.54	3.93	1.99	2.72	1.62	4.25	1.60	0.68	4.43	4.27	2.41	33.01
Ashburnham		1.34											
Athol	2.79	1.72	4.04	1.27	2.70	3.77	5.50	1.57	2.68	2.68	3.15	1.68	33.55
Blue Hill	3.16	2.68	3.41	2.21	4.40	2.68	4.24	3.23	0.72	6.22	4.92	3.40	41.27
Boston	2.77	2.23	3.02	2.08	3.39	2.24	3.36	3.03	0.26	5.83	4.09	2.99	35.29
Boylston	2.34	2.16	3.74	1.79	2.86	1.99	4.23	1.70	1.83	4.08	3.91	2.94	33.57
Brockton	3.53	3.40	2.51	0.99	2.62	1.71	2.25	3.52	0.13	4.54	3.92	2.95	32.07
Chester	2.15	1.74	4.48	2.17	4.87	5.19	3.93	1.99	2.47	1.71	4.05	1.53	36.28
Chesterfield	2.40	1.46	4.66	2.33	4.75	6.34	3.84	3.17	2.19	1.87	3.79	1.35	38.15
Chestnut Hill	3.03	2.30	3.37	2.17	3.21	1.99	3.71	2.86	0.51	6.02	4.15	3.10	36.42
Clinton	2.13	1.93	4.12	2.01	3.02	2.19	4.18	1.68	1.53	4.67	4.76	2.91	35.13
Concord	2.50	2.17	3.31	1.90	2.61	2.20	6.08	1.53	0.69	5.04	3.75	2.89	34.67
East Wareham	3.75	2.69	2.16	1.58	2.67	2.49	2.72	2.43	0.36	3.76	3.93	4.90	33.44
Egremont	2.16	1.73	3.31	1.65	4.10	7.19	5.15	5.28	1.58	2.24	4.71	1.41	40.51
Fall River	3.12	3.93	2.70	1.63	3.18	2.23	2.87	3.37	1.06	4.93	3.37	3.57	35.96
Falmouth	4.24	3.63	2.36	1.10	2.77	2.06	2.19	2.89	0.20	4.31	5.74	3.61	35.10
Fitchburg	1.75	1.57	4.07	2.02	2.99	3.12	5.50	1.59	1.46	3.66	4.03	2.22	33.98
Framingham	2.78	2.52	3.66	2.07	2.91	1.65	3.92	2.32	0.80	4.62	4.44	2.46	34.15
Franklin	2.88	2.27	3.78	1.97	2.36	2.12	3.40	1.63	0.53	4.04	3.52	2.66	31.16
Gardner	1.76	1.96	3.81	1.17	2.53	3.16	4.82	1.66	1.54	2.45	2.96	1.78	29.60
Gloucester				1.86	3.35	0.99	3.96	2.46	0.41	4.63	6.96	3.12	
Greenfield	2.62	1.18	4.50	1.37	3.58	5.25	4.06	1.78	2.07	1.99	3.78	1.87	34.05
Groton	1.65	1.56	3.33	1.80	3.43	1.49	4.33	2.55	1.28	3.92	4.00	1.60	30.94
Hardwick	1.82	2.12	2.92	1.53	2.91	3.91	6.52	0.85	3.14	1.97	2.91	1.61	32.21
Haverhill	2.27	1.93	3.61	1.47	2.65	2.50	5.14	1.54	1.53	3.68	2.93	1.94	31.19
Heath	2.71	1.18	5.27	1.71	4.46	4.97	3.94	2.82	1.98	2.64	3.81	1.28	36.77
Hingham	3.70	3.07	3.14		2.50		3.04	2.67	0.12	3.87	4.25	3.12	
Hobbs Brook	2.38	2.66	3.08	1.97	2.36	2.47	4.22	2.76	1.00	5.49	4.87	2.47	35.73
Holyoke	2.00	1.83	3.42	1.36	4.64	5.94	4.26	1.56	1.56	2.01	3.92	1.43	33.93
Hoosac Tunnel					3.79	4.00	4.12	2.36	2.14	1.52	3.57	1.44	
Hubbardston	1.80	1.88	3.43	1.67	3.01	3.90	6.68	1.85	2.44	2.75	3.01		
Hyannis		3.87	3.17	0.71	2.33	1.24	1.26	1.41	0.22	3.18	4.12	4.74	
Ipswich	2.62	2.40	4.03	1.80	3.86	3.07	4.25	2.81	0.91	5.39	4.88	2.54	38.56
Jefferson	2.12	2.58	3.73	2.09	2.93	3.54	5.93	1.78	2.58	3.80	3.97	2.34	37.39
Lake Cochituate	2.70	2.48	3.57	1.94	2.67	2.38	3.32	2.02	0.78	4.55	4.30	2.98	33.69
Lawrence	2.55	2.42	3.96	1.83	2.52	3.16	5.02	1.73	1.75	3.78	2.94	2.46	34.12
Leominster	1.88	1.73	4.17	1.64	3.15	2.82	5.42	1.69	1.51	3.59	4.05	2.06	33.71
Lowell	2.62	1.89	3.61	1.70	2.80	1.80	3.62	2.44	0.98	4.03	3.60	2.07	31.16
Mansfield	3.49	2.70	3.21	1.76	3.33	2.01	3.46	2.18	0.31	5.01	4.37	3.31	35.14
Middleboro	3.33	3.43	2.52	1.45	2.07	3.79	2.93	2.37	0.32	4.22	4.17	2.81	33.41
Middleton	2.43	2.09	3.44	1.85	3.15	2.77	2.90	2.07	0.58	4.31	4.35	2.51	32.45
Milford	2.66	2.34	3.67	2.40	2.35	1.62	2.98	1.89	0.58	4.10	3.93	2.12	30.64
Millbury					2.80	1.69	3.33	2.85	0.99	2.99	3.71	3.46	
Mount Wachusett							5.29	1.83	1.71				
Nantucket	4.42	3.41	3.05	1.01	2.03	0.49	2.16	1.79	0.15	3.28	7.01	5.14	33.94
New Bedford	3.32	3.50	1.43	0.92	2.77	2.09	1.86	2.14	0.21	3.81	3.97	2.02	28.04
Newburyport	2.80	2.22	3.96	1.79	3.61	1.49	4.01	2.19	1.14	4.08	4.23	2.05	33.57
Newton									0.43	5.65	3.80	3.56	
Northbridge	2.78	2.29	3.50	2.40	2.67	1.99	3.70	1.44	0.78	3.64	4.20	2.63	32.02
Otis	1.87	1.90	3.07	2.14	3.29	5.25	4.16	2.92	1.59	1.95	3.87	1.50	33.51
Pembroke	2.93	3.52	2.62	1.68	2.38	3.21	2.58	2.42	0.40	3.83	4.19	3.26	33.62
Peru	2.50	1.68	5.14	1.85	3.61	4.48	2.89	3.04	1.12	1.51	3.63	1.60	33.05
Petersham	2.87	1.69	3.45	1.70	3.21	3.32	4.49	1.42	1.86	2.35	3.55	2.24	32.15
Pittsfield	2.23	1.88	3.74	1.49	3.56	3.13	5.07	1.96	1.80	1.26	3.35	0.99	30.46
Plainfield	2.49	1.38	4.98	1.62	3.92	5.62	5.20	3.11	2.06	2.37	3.88	1.16	37.79
Plymouth	3.66	4.13	2.58	1.35	3.02	2.84	2.76	3.41	0.35	4.27	4.60	3.76	36.73
Princeton	1.87	2.25	3.43	2.05	2.86	3.58	6.07	1.81	1.59	2.68	3.72	2.69	34.60
Provincetown	3.35	4.13	4.37	1.48	2.48	2.93	2.40	1.63	0.77	3.02	5.39	4.95	36.90
Roberts Dam	2.73	2.26	3.28		2.19								
Rockport	2.60	2.97	3.69	1.90	3.92	1.17	3.04	2.40	0.64	4.11	6.84	3.13	36.41
Shelburne Falls					3.58	4.25	3.95	1.63	1.99	1.71	4.13	1.89	
Southbridge	2.41	2.50		1.71	3.29	2.91	2.81	1.63	1.63	2.81	3.59	2.52	
Spot Pond	2.98	2.67	3.71	2.07	3.35	2.37	5.33	3.07	0.45	5.08	4.66		
Springfield	2.00	1.48	3.22	1.08	5.04	9.48	6.46	1.23	1.66	2.04	3.05	1.87	38.61
Sterling	2.11	1.80	3.72	1.57	2.45	2.74	6.63	1.49	1.64	3.63	4.09	2.45	34.32
Stockbridge	2.18	1.83	3.41	1.73	3.81	4.10	2.59	2.70	2.06	1.86	3.23	1.84	31.34
Stony Brook				2.19	3.23	2.31	4.00	2.63	0.59	5.21	3.71	2.95	
Swampscott	3.02	2.63	3.49	1.73	3.12		7.91	3.30	0.45	4.58	4.98	3.55	
Taunton	3.04	3.05	2.88	1.68	3.00	1.80	2.33	3.64	0.37	5.62	3.58	2.86	33.85
Turners Falls	2.29	0.92	4.43	1.42	3.23	5.22	4.76	1.73	2.49	2.39	3.29	1.14	33.31
Ware	2.49	1.45	1.89	1.04	3.51	3.73	5.86	0.84	2.99	2.32	2.88	1.86	30.86
Webster	2.49	2.33	2.90	1.45	2.26	1.92	2.91	2.26	1.85	2.87	3.63	3.12	29.99
Westfield	2.34	1.24	4.30	2.02	4.77	6.34	4.15	2.51	1.59	1.94	3.85	2.30	37.35
Weston	2.32	0.99	2.04	1.91	3.36	2.78	3.87	2.06	1.06	4.79	3.84	2.58	31.60
West Rutland	1.95	1.97	3.34	1.76	2.67	2.84	5.33	1.48	2.44	2.45	2.84	1.56	30.63
Williamstown	2.82	1.63	3.67	1.45	2.52	2.80	4.23	1.40	2.27	1.69	3.24	1.33	29.05
Winchendon	2.29	2.05	3.82	1.45	2.95	3.32	6.28	1.89	2.13	2.61	2.81	1.70	33.30
Worcester (No. 1)	1.99	1.83	3.30	1.70	2.87	3.19	4.18	1.43	1.50	3.94	3.11	2.43	31.47
Worcester (No. 2)	2.08	2.06	3.20	1.58	2.96	2.07	4.33	2.53	1.52	3.85	3.19	2.97	32.34

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Michigan													
Ada	3.80	2.51	1.46	1.51	2.60	1.64	0.39	0.45	1.17	2.18	1.51	1.29	20.51
Adrian	4.14	1.30	0.70	3.27	2.44	3.27	0.41	0.65	1.77	2.06	1.15	0.43	21.59
Albion	1.90	1.37	1.32	2.13	4.05	2.80	0.49	0.37	2.12	1.43	2.09	0.66	20.73
Alcona (near)	1.33	1.33	2.29	1.06	2.21	2.36	1.61	0.05	2.16	1.05	0.92	1.06	18.43
Allegan	2.96	1.86	3.06	2.08	2.93	2.06	1.21	0.77	1.31	1.49	2.78	1.13	23.64
Alma (No. 1)	1.24	3.39	0.66	1.39	2.07	1.93	0.51	0.74	1.67	1.81	0.79	0.82	17.02
Alma (No. 2)		3.17	0.80	1.23	2.20								
Alpena	1.36	1.42	1.86	2.08	3.67	6.05	1.16	1.14	1.47	1.11	0.88	0.86	23.06
Alpena State Forest	1.32	1.57	2.50	2.13	4.51	6.95	0.94	0.82	1.44	1.95	1.08	0.97	26.18
Alpha	0.86	1.52	0.39	1.63	5.44	4.10	1.17	0.86	3.10	1.86	0.38	0.23	21.54
Ann Arbor	3.08	1.14	1.10	2.85	2.44	3.03	1.42	0.17	3.66	1.09	1.21	0.80	21.99
Ann Arbor (near)	2.47	1.46	1.08	2.54	2.74	[3.03]	0.56	0.33	3.24	1.31	1.51	1.16	21.43
Atlanta	1.13	1.20	2.81	1.35	4.00	5.87	1.10	1.00	1.05	1.57	1.17	0.39	22.64
Bad Axe	0.62	2.07	1.66	0.72	2.94	3.00	0.15	0.15	[1.96]	1.50	[0.95]	1.70	17.42
Bangor	2.47	1.75	2.47	1.76	1.72	1.89	1.20	1.42	1.62	2.13	3.43	0.90	22.76
Battle Creek	2.95	1.04	1.89	2.15	3.79	2.50	0.74	1.25	2.17	1.53	1.85	0.80	22.66
Bay City	0.76	[2.18]	0.93	1.20	3.92	4.08	0.36	0.95	0.71	2.42	0.98	0.42	18.91
Benzonia	1.20	2.00	1.16	1.55	2.34	2.24	1.17	1.11	3.80	2.40	2.16	1.45	22.58
Bessemer	1.46	1.51	1.01	1.38	4.76	5.62	3.26	0.50	5.32	2.79	2.48	1.41	31.50
Big Rapids	2.62	3.06	2.10	2.24	2.06	4.65	0.73	1.14	2.19	2.59	0.79	1.44	25.61
Black Lake	1.47	1.36	2.22	0.86	2.08	5.51	2.48	0.52	4.05	1.45	1.26	0.79	24.05
Bloomingdale	3.77	1.95	2.70	2.11	2.00	1.44	1.20	0.69	1.62	1.36	3.28	0.80	22.92
Bridgeport		3.82	0.87	1.63	2.96								
Cadillac	1.39	2.16	1.41	1.50	2.89	3.54	2.01	1.17	0.91	1.74	1.00	0.60	20.32
Calumet	3.40	1.74	0.75	0.76	3.93	4.76	2.56	1.93	3.88	3.73	1.04	1.84	30.32
Caro	1.09	1.62	1.09	1.19	4.04	4.06	1.03	0.44	1.47	0.95	[0.95]	0.58	18.51
Cassopolis	3.02	1.01	1.83	1.97	3.55	1.57	0.98	1.74	2.66	2.00	3.17	0.55	24.05
Centerville (near)	3.20	2.15	0.98	2.20	3.33	1.43	0.50	0.95	1.44	1.84	1.10	0.72	19.84
Ceresco	3.01	1.25	1.03	2.26	3.77	2.12	1.00	0.68	2.92	1.52	2.12	0.72	22.40
Charlevoix	2.55	1.65	2.35	1.46	2.44	4.71	1.47	0.48	2.63	1.73	1.39	2.03	24.89
Charlotte	2.92	1.67	2.14	1.98	4.10	3.63	0.58	0.22	1.12	1.45	0.62	0.90	21.33
Chatham	1.96	1.23	2.70	0.95	3.93	5.12	1.33	1.70	2.43	1.58	2.24	1.76	26.93
Cheboygan	1.22	1.31	0.87	0.94	3.40	4.98	2.11	0.84	2.99	2.39	0.88	0.78	32.71
Chesaning		2.80	0.82	1.42	2.30								
Coldwater	2.73	1.31	0.90	2.01	2.05	3.40	0.17	0.85	1.46	1.26	1.57	0.30	18.01
Colome	3.00	1.79	2.18	2.91	2.41	2.85	1.21	1.28	1.05	2.27	3.86	1.70	26.51
Cooke Site	1.73	1.97	2.70	1.23	2.65	4.64	2.05	0.74	0.76	1.09	0.78	0.60	20.94
Croswell	[3.12]	[2.48]	[1.41]	[2.07]	[4.23]	[3.22]	0.42	1.09	2.28	0.82	1.02	0.97	23.13
Croton	2.86	2.46	1.38	1.48	2.05	2.02	0.86	0.78	2.20	1.78	1.14	1.17	20.18
Deer Park (near)	3.18	2.14	3.10	1.38	2.25	3.88	1.50	0.50	4.40	2.20	3.36	3.96	31.85
Detroit	3.85	1.67	1.98	3.60	3.15	2.70	0.50	0.90	2.97	1.80	1.72	1.10	25.94
Dimondale		1.21	1.81	2.00	2.86								
Dukes	1.71	1.03	2.36	1.31	2.93	6.32	1.30	1.73	2.58	2.18	2.09	2.02	27.56
East Jordan	2.00	1.05	3.17	1.33	2.69	4.41	1.76	0.78	2.67	2.80	1.90	1.19	25.75
East Tawas	1.14	1.70	2.32	1.26	3.67	3.12	1.83	0.72	0.94	1.57	0.72	0.47	19.46
Eaton Rapids		0.78	2.15	2.70	3.99								
Eau Claire	3.41	1.07	3.64	2.52	3.18	2.11	1.09	1.74	1.85	1.27	4.45	1.06	27.38
Edenville	1.41	1.76	1.25	1.14	2.03	2.00	1.49	0.86	0.81	2.46	0.91	0.49	16.61
Edmore	2.37	3.25	1.01	1.85	2.54	3.42	1.24	0.36	1.47	2.89	0.39	1.37	22.16
Elmira											1.75	0.84	
Eloise	3.30	1.73	1.01	4.65	2.40	3.45	0.42	0.20	3.11	2.05	0.75	0.79	23.86
Escanaba	0.94	1.76	2.09	1.16	2.46	1.79	1.83	0.69	1.74	1.09	0.42	0.20	16.17
Fennville	1.73	1.50	1.19	1.87	[1.52]	1.41	1.87	0.42	0.99	2.01	[2.60]	1.58	18.69
Fife Lake (near)	1.48	1.12	3.40	2.04	3.67	3.16	2.00	0.85	1.74	3.15	1.54	1.14	25.29
Five Channels	1.38	1.92	2.05	1.12	3.91	4.13	2.20	1.07	1.47	1.31	0.96	0.62	22.14
Flint (No. 1)	2.30	2.21	0.92	2.64	3.24	2.83	0.39	0.64	1.75	1.05	1.00	1.10	20.07
Flint (No. 2)		1.35		2.75	1.78								
Fosters		2.23	0.30	1.05	2.40								
Frankfort	1.31	1.14	1.87	0.80	1.52	3.45	1.21	0.72	2.70	2.21	1.32	1.34	19.59
Ganges	2.54	1.71	2.74	2.55	2.88	1.50	1.77	1.10	1.89	2.84	2.56	1.21	25.29
Garnet										2.98	1.51	0.93	
Gladwin	1.59	1.98	1.23	1.52	1.74	2.23	1.85	1.29	1.90	2.14	1.05	0.43	18.95
Grand Haven	3.18	2.07	1.15	2.34	1.61	1.74	0.82	0.43	1.28	2.37	2.47	1.69	21.15
Grand Ledge (No. 1)	2.19	1.36	1.66	2.35									
Grand Ledge (No. 2)		1.49	1.45	1.73	3.50								
Grand Marais	2.30	1.22	1.79	1.51	2.69	2.68	2.98	0.43	3.32	1.87	1.94	2.12	24.85
Grand Rapids	3.21	1.83	1.20	2.07	2.39	2.66	0.56	0.40	1.48	2.27	1.51	1.34	20.92
Grayling	1.27	1.39	1.30	1.09	4.15	4.64	3.98	0.33	1.86	2.83	1.38	0.75	24.97
Greenville	1.94	3.02	0.94	[1.77]	3.08	3.20	0.50	0.49	1.27	2.34	1.13	0.72	20.40
Gull Lake	1.49	1.07	3.37	1.54	3.38	2.65	1.22	1.50	0.76	0.96	2.10	0.77	20.81
Harbor Beach	1.03	1.42	1.87	1.55	3.58	3.18	0.88	0.26	3.62	0.97	1.21	0.70	20.27
Harrisville	2.15	2.44	2.65	1.73	3.86	4.66	2.99	0.36	1.25	1.25	1.26	1.34	25.94
Hart	2.39	1.94	1.19	2.12	2.37	2.65	2.32	0.50	1.72	3.19	1.66	0.80	22.83
Hastings	2.25	1.63	1.23	1.47	4.02	2.80	0.43	0.54	3.11	0.96	1.47	0.67	20.58
Hillsdale	4.45	1.46	1.61	2.27	3.07	2.54	0.65	1.99	2.96	1.49	1.79	0.73	25.01
Holland	2.76	1.23	1.21	2.45	1.75	1.34	0.77	0.91	1.20	2.21	2.47	1.32	19.53
Houghton	2.65	2.72	1.15	0.97	2.04	3.42	2.17	0.94	4.23	3.30	1.57	2.19	27.35
Houghton Lake	1.36	1.29	1.44	1.19	2.87	3.61	2.64	0.39	1.26	2.01	1.20	0.80	20.06
Howard City	3.84	2.70	1.04	2.25	2.33	2.87	0.56	0.35	1.29	2.52	0.90	0.55	21.20
Iron Mountain	0.67	0.82	0.72	1.28	4.55	4.21	3.07	1.28	1.59	1.42	1.21	0.18	21.00
Iron River (near)	1.30	1.95	0.35	2.35	5.89	5.96	1.42	2.23	1.90	2.20	0.43	0.30	26.28
Ironwood	2.27	1.96	1.92	1.22	4.32	4.41	3.16	0.48	5.35	3.46	2.31	1.54	32.40
Ishpeming	1.11	1.15	0.90	1.48	2.86	6.28	2.27	0.87	2.69	1.66	1.42	0.45	23.14
Jackson	3.35	1.28	1.50	2.33	2.97	3.24	0.22	0.56	1.77	1.24	1.55	0.69	20.70
Kalamazoo (No. 1)	3.13	1.76	3.22	2.83	3.59	1.50	0.85	0.68	1.57	1.14	3.34	1.83	25.44
Kalamazoo (No. 2)	2.52	0.79	2.64	2.08	3.36	1.50	0.84	0.51	1.81	1.15	2.38	0.97	20.55
Kent City	1.33	2.73	1.19	1.09	1.54	3.06	0.75	0.53	0.96	2.99	1.13	0.67	17.97
Lake City	0.98	1.50	0.98	1.10	3.98	4.19	2.21	1.11	1.70	2.13	0.79	0.25	20.92
Lansing	2.53	1.41	1.47	1.97	3.36	2.79	0.50	0.18	1.42	1.00	0.96	0.91	18.50
Lapeer	2.70	2.32	1.38	2.44	3.89	3.99	1.16	0.72	1.63	0.42	0.72	[0.92]	22.28
Loud	1.58	1.85	2.58	1.06	3.71	3.89	1.84	0.92	1.46	1.26	0.71	0.75	21.68
Lowell	2.39	2.88	1.85	2.08	3.15	2.58	0.46	0.60	1.47	1.98	1.74	1.59	22.77
Ludington	2.04	2.51	1.84	3.46	1.51	2.29	1.50	0.98	2.21	2.62	1.59	1.03	23.58
Luther	2.69	2.24	2.40	1.88	1.65	3.49	1.57	0.80	[2.21]	2.18	2.17	0.75	24.03
Mackinac Island	[1.33]	0.38	1.09	1.55	3.15	4.92	3.12	0.68	3.07	1.92	1.28	[1.12]	23.61
Mackinaw	1.53	0.75	1.35	1.27	3.14	6.03	2.71	0.37	3.80	2.32	1.02	1.20	25.49
Manistee	1.87	2.42	1.58	1.75	3.43	3.03	1.36	0.52	3.45	2.71	1.72	1.14	24.98
Marquette	2.23	1.56	1.76	1.34	2.44	5.62	1.41	1.16	3.63	1.75	1.98	1.97	26.86

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Michigan—Continued													
Midland (No. 1)	1.45	2.44	1.15	1.06	2.32	1.56	0.41	0.63	1.11	1.94	1.34	1.18	16.59
Midland (No. 2)	------	3.15	2.15	1.13	2.70	------	------	------	------	------	------	------	------
Milford (near)	3.19	1.57	1.77	2.82	3.26	3.02	0.45	0.66	4.93	1.10	1.71	0.88	25.36
Mio	1.24	2.08	1.77	1.44	2.38	4.51	2.23	0.17	1.54	1.93	1.03	0.84	21.16
Monroe	4.48	0.93	1.29	3.49	1.19	1.57	0.76	0.94	2.94	1.33	1.42	0.63	20.97
Morenci	[4.17]	[1.38]	[2.43]	1.87	1.39	3.15	0.10	0.68	1.90	2.67	1.40	0.80	21.94
Mount Clemens (near)	3.46	1.66	1.94	2.47	2.30	2.25	1.08	0.67	4.05	1.17	1.42	0.84	23.31
Mount Pleasant (No. 1)	1.55	2.63	0.88	1.76	2.48	2.17	0.70	1.01	2.37	2.66	1.10	0.55	19.86
Mount Pleasant (No. 2)	------	0.60	1.07	1.49	2.29	------	------	------	------	------	------	------	------
Munising	1.91	2.35	2.62	1.38	4.28	3.42	1.64	0.64	3.62	2.71	2.23	1.72	28.52
Muskegon	2.30	2.01	0.73	0.51	0.82	1.71	0.61	0.68	1.69	2.62	2.42	0.47	16.57
Newberry	1.52	2.12	2.15	0.84	1.24	3.34	1.72	0.22	3.05	2.39	2.20	1.18	21.97
Northport	1.80	1.50	1.10	1.75	0.65	4.33	0.49	0.59	2.87	2.11	2.05	1.86	21.10
Old Mission	1.20	0.65	2.20	1.14	2.21	3.23	0.95	0.39	3.63	1.85	1.05	[1.29]	19.79
Onaway (near)	1.41	1.67	2.03	1.46	4.06	6.69	1.93	0.86	2.09	2.23	1.16	1.13	26.72
Oscoda (near)	1.99	1.97	2.34	1.07	2.32	5.48	2.55	0.55	0.77	1.01	0.86	0.56	21.47
Otsego	2.28	1.67	2.58	2.35	2.94	2.04	1.32	0.98	1.94	1.33	2.41	0.44	22.28
Owosso (No. 1)	2.16	1.87	0.60	2.10	4.10	3.77	0.22	2.20	2.32	1.62	0.24	0.85	22.05
Owosso (No. 2)	------	1.24	0.80	2.12	4.10	------	------	------	------	------	------	------	------
Painesdale	2.14	2.58	1.12	0.63	3.64	4.63	2.21	0.47	6.17	3.83	1.19	3.21	31.82
Paw Paw	2.21	1.28	2.05	3.13	2.32	1.95	1.36	1.00	1.19	1.43	3.26	0.47	21.65
Petoskey	1.29	1.11	1.87	1.50	3.32	4.26	1.84	0.27	3.27	2.38	1.38	0.59	23.08
Plainwell	3.86	2.07	3.09	2.27	2.95	2.21	1.53	0.73	2.86	1.39	2.72	1.06	26.72
Pontiac	2.95	1.99	1.44	2.37	2.34	2.60	0.47	0.52	2.84	1.23	0.88	0.84	20.47
Port Huron	2.41	2.14	1.19	1.77	2.82	2.60	0.27	0.56	2.12	0.98	0.94	2.02	19.82
Roscommon (near)	1.51	1.36	2.48	1.55	2.91	4.48	1.53	0.25	1.36	2.40	2.30	0.64	22.77
Roscommon (No. 2)	------	------	------	------	------	1.14	2.38	0.29	0.99	1.73	------	------	------
Sack Bay	1.39	2.17	3.82	1.60	2.61	3.04	2.02	0.56	2.32	0.80	0.60	0.75	21.68
Saginaw	1.44	2.61	1.19	1.42	3.87	3.10	0.38	0.68	1.62	1.39	0.92	0.62	19.24
St. Ignace	1.16	0.76	0.81	1.08	2.72	4.49	2.40	0.34	4.00	2.20	1.27	1.00	22.23
St. Joseph	2.83	0.64	1.20	1.99	2.19	1.86	1.31	0.90	1.43	2.05	2.61	0.58	19.59
Sandusky	3.29	3.26	1.96	2.08	3.37	4.63	0.64	0.46	2.46	0.61	1.16	0.76	24.68
Saranac	2.76	2.50	1.03	1.93	3.71	2.46	1.09	0.76	1.03	1.64	1.00	0.79	20.70
Sault Ste. Marie	1.12	1.65	0.93	1.54	2.89	4.84	3.67	0.40	3.42	2.88	2.29	1.32	26.95
Scottville	3.65	3.20	2.41	2.50	4.92	2.95	1.35	0.85	1.80	2.20	1.18	0.95	27.96
Secord	1.25	1.34	1.36	1.57	1.56	1.83	1.33	1.27	1.93	2.00	1.12	0.32	16.88
Seney	0.78	0.97	1.13	1.74	2.60	3.95	1.53	0.20	[1.96]	1.58	1.85	0.81	19.10
Shields	------	3.94	2.37	2.58	3.40	------	------	------	------	------	------	------	------
Sidnaw	0.88	1.83	0.34	0.89	5.34	6.72	2.64	0.69	4.73	3.06	1.92	1.02	30.06
South Haven	2.58	1.96	1.61	2.70	2.53	3.35	1.76	0.53	1.55	2.72	2.48	0.98	24.75
Stanwood (near)	2.49	3.12	1.45	1.67	2.43	3.31	1.02	1.00	2.48	2.07	1.07	1.03	23.14
Stronach	2.17	2.29	1.76	1.91	3.99	2.81	2.48	0.53	3.88	2.65	1.74	0.83	27.04
Traverse City	1.48	1.96	1.24	1.57	3.26	3.09	0.69	0.46	3.41	1.73	1.82	1.31	22.02
Trowbridge	3.59	2.60	3.44	2.04	2.45	1.91	1.20	1.04	1.59	1.10	2.56	0.91	24.43
Twin Falls	0.70	1.22	0.61	1.77	4.07	5.02	1.80	0.79	2.55	1.46	1.29	0.15	21.43
Vanderbilt (near)	0.81	1.43	1.73	1.03	3.40	3.87	1.97	1.45	2.89	3.34	1.43	0.84	24.19
Vassar	------	1.49	1.05	1.41	4.13	------	------	------	------	------	------	------	------
Webber Dam (near)	2.02	1.70	0.90	1.73	3.87	2.47	0.60	0.21	1.14	1.38	0.89	0.55	17.46
Wellston (near)	1.95	2.16	1.44	1.41	3.71	2.91	3.21	0.53	3.39	2.53	1.28	1.10	25.60
West Branch	1.77	1.56	1.58	0.70	2.45	3.09	2.83	0.70	3.54	2.61	1.26	0.56	22.65
Whitefish Point	1.80	1.13	1.77	0.63	1.75	3.29	0.97	0.33	2.15	3.11	2.24	1.73	20.90
Williamston	------	1.42	1.25	1.72	3.92	------	------	------	------	------	------	------	------
Wolverine	1.96	1.07	1.79	1.65	3.54	5.73	1.85	0.86	2.92	3.30	1.46	1.29	27.42
Yale	1.18	1.46	1.12	1.55	3.97	2.61	0.37	0.85	1.91	0.80	0.55	0.73	17.80
Ypsilanti	3.05	1.08	0.98	2.73	2.87	2.43	0.38	0.30	3.03	1.43	1.36	0.75	20.39
Minnesota													
Ada	0.20	1.32	0.62	1.25	5.25	1.86	0.18	1.00	1.15	2.32	3.41	0.07	18.63
Ah-gwah-ching	0.52	1.58	1.34	0.68	3.05	5.47	2.30	0.93	1.18	0.67	1.67	0.32	19.71
Albert Lea	1.52	0.48	0.60	3.17	2.25	8.87	5.71	1.67	6.90	0.92	2.35	T.	34.44
Alexandria	0.42	0.21	0.60	1.38	6.85	1.66	2.80	2.30	0.92	0.66	3.79	0.02	21.61
Angus	0.21	1.35	0.17	1.26	3.78	4.23	1.71	0.91	0.64	2.42	2.61	0.39	19.68
Argyle	0.05	1.60	0.30	1.67	4.08	4.67	5.33	0.87	1.82	1.95	3.01	0.33	25.68
Artichoke Lake	0.29	0.36	0.17	1.12	3.30	1.73	6.03	1.26	2.20	1.47	3.56	0.03	21.52
Baudette	0.06	1.06	0.57	0.35	4.81	2.27	2.40	0.80	1.46	1.27	1.37	0.28	16.70
Beardsley	0.22	0.68	0.05	0.87	4.27	4.27	4.21	3.48	0.71	0.97	1.60	0.03	21.36
Bemidji	0.52	2.30	0.94	0.85	3.38	2.84	2.19	1.01	4.65	1.04	2.63	0.59	22.94
Big Falls	------	------	------	------	------	------	------	0.15	1.50	0.84	1.37	0.11	------
Bird Island	1.67	0.30	0.24	0.47	4.55	3.39	3.20	2.97	3.79	0.61	2.93	0.10	24.22
Brainerd	0.42	1.80	0.48	1.12	4.79	2.02	2.76	0.96	1.51	0.93	2.80	0.21	19.80
Campbell	0.54	0.77	0.39	1.11	4.82	1.47	1.79	1.02	1.45	0.86	2.52	0.10	16.84
Canby	0.87	0.56	0.28	0.94	3.01	1.81	1.29	2.26	[4.35]	0.57	2.09	T.	18.03
Cass Lake	0.36	2.66	T.	0.51	3.23	3.82	1.26	0.47	1.80	1.26	1.42	[0.33]	17.12
Chaska	1.13	1.53	0.41	0.94	3.23	3.55	1.79	1.48	4.61	0.95	2.01	0.07	21.70
Cloquet	0.59	0.94	0.46	1.59	5.07	6.00	3.23	0.44	5.63	1.33	2.93	T.	28.21
Collegeville	0.51	0.80	0.43	0.24	2.38	2.74	2.94	0.85	3.54	1.23	1.12	0.09	16.87
Crookston	0.09	0.68	0.15	0.80	4.12	2.17	1.69	0.52	2.77	2.10	1.88	0.16	17.13
Detroit Lakes	0.51	1.24	0.16	1.48	6.28	2.61	2.04	1.60	0.60	2.34	2.77	0.18	21.81
Duluth	0.54	2.11	0.30	1.89	3.47	3.74	1.57	0.29	4.68	1.53	2.96	0.20	23.28
Fairmont	1.01	0.38	0.39	1.57	3.04	3.57	1.59	1.74	4.72	1.73	2.81	0.10	22.65
Faribault	0.27	0.33	0.48	1.05	2.72	5.20	1.33	1.25	2.41	1.52	0.52	0.22	17.30
Farmington	1.70	0.80	0.40	0.90	4.12	2.98	2.77	0.25	3.85	0.95	[1.37]	0.20	20.29
Fergus Falls	1.18	2.12	0.44	1.17	4.36	1.29	1.43	0.76	0.20	1.87	2.51	0.40	17.73
Fort Ripley	0.43	0.74	0.17	0.94	3.62	2.35	2.08	0.17	1.11	1.24	2.95	0.08	15.88
Fosston	0.08	3.01	0.38	1.74	5.20	3.31	0.92	0.27	5.57	1.61	2.92	0.56	25.57
Gonvick (near)	0.08	2.93	0.62	1.40	3.49	2.18	2.06	0.18	1.25	0.14	1.05	3.19	18.57
Grand Marais	------	------	------	0.99	2.07	3.96	2.74	0.66	4.09	2.92	1.32	0.65	------
Grand Meadow	0.88	0.40	1.18	2.14	4.82	6.19	1.38	1.58	3.65	1.92	1.25	0.29	25.68
Grand Rapids	0.35	1.32	0.51	0.57	3.91	3.34	0.90	0.22	3.57	1.56	2.28	0.18	18.71
Gull Lake Dam	0.43	1.81	0.61	1.38	3.99	2.80	2.02	0.91	1.90	1.00	3.52	0.21	20.58
Hallock	0.10	2.22	0.10	0.47	4.28	2.79	2.21	0.64	1.22	3.60	2.62	0.25	20.50
Itasca State Park	0.45	1.84	1.13	0.96	5.03	4.46	1.03	1.02	0.94	1.86	2.50	0.23	21.45
Leech Lake Dam	0.47	1.37	0.74	0.40	2.92	2.57	1.47	0.67	1.70	0.49	2.08	0.14	15.02
Little Falls	1.10	1.41	0.33	0.08	4.54	2.41	2.18	0.32	1.79	1.87	3.90	0.05	19.98
Mahnomen	0.20	1.00	0.12	2.04	5.02	1.92	1.59	1.19	1.54	1.12	2.34	0.15	18.23
Mankato	0.98	0.34	0.49	1.10	2.72	3.05	2.37	1.16	7.25	0.99	2.41	0.11	22.97
Mapleplain	1.38	1.98	0.75	0.59	3.91	5.00	1.77	1.43	4.24	1.27	2.76	0.13	25.21

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Minnesota—Continued													
Meadowlands	0.38	0.67	0.13	0.69	4.50	5.49	2.55	0.16	7.31	0.87	2.49	0.18	25.42
Milaca	0.66	1.12	0.53	0.53	5.31	4.58	3.62	0.51	3.41	2.27	2.79	0.12	25.45
Milan	0.35	0.60	0.10	1.46	3.44	2.28	4.50	2.05	4.78	0.84	3.02	T.	23.42
Minneapolis (Weather Bureau)	0.95	2.66	0.48	0.62	3.38	6.68	0.92	0.72	4.14	1.14	2.41	0.06	24.16
Minneapolis (No 1)	1.02	2.27	0.63	0.80	3.71	7.23	1.06	0.79	4.05	1.04	2.52	0.16	25.28
Montevideo	0.78	1.00	0.41	0.84	4.12	2.44	2.92	2.42	4.71	0.55	3.28	0.04	23.51
Moorhead	0.46	2.03	0.27	2.16	2.68	2.70	0.48	0.92	0.52	1.37	2.56	0.10	16.25
Mora	0.79	1.16	0.37	0.60	5.07	3.90	2.80	0.17	3.10	2.10	2.34	0.24	22.64
Morris	0.40	0.35	T.	1.25	5.08	4.67	3.98	0.88	2.85	1.45	4.05	0.12	25.08
New London	0.21	0.62	0.26	0.70	6.89	3.15	3.91	1.26	4.74	0.83	3.20	T.	25.77
New Ulm	2.05	1.08	1.41	1.10	4.92	3.84	2.95	1.78	10.74	2.57	1.62	0.12	34.18
Orr	0.19	1.37	0.80	0.68	4.32	4.83	6.24	1.14	2.74	1.55	1.82	0.28	25.96
Park Rapids	1.26	2.03	1.05	0.68	3.99	2.89	1.39	2.34	0.45	1.48	3.08	0.60	21.24
Pigeon River Bridge	0.64	1.77	2.33	0.88	2.43	7.11	2.16	0.43	6.29	4.59	7.10	1.14	36.87
Pine River Dam	0.51	1.79	0.37	1.57	3.89	2.44	1.63	0.29	1.60	0.95	2.39	0.26	17.69
Pipestone	0.50	0.48	0.35	1.44	4.49	3.16	0.45	1.88	5.98	2.35	2.89	0.15	24.12
Pokegama Falls	0.28	1.05	0.39	0.55	4.50	3.58	0.99	0.30	4.04	1.29	2.22	0.10	19.29
Redby	T.	3.27	0.53	0.58	3.69	2.40	2.23	0.54	1.46	0.65	3.01	0.50	18.86
Red Lake Falls	0.27	1.69	0.18	0.74	4.93	3.29	[2.74]	1.64	1.35	2.30	2.99	[1.03]	23.15
Red Wing	------	------	1.16	1.06	6.12	8.76	3.00	0.78	3.11	1.88	1.22	------	------
Redwood Falls	1.00	0.42	0.29	0.67	4.32	3.91	2.04	2.20	5.56	0.94	3.06	0.03	24.44
Reeds	------	------	1.10	1.85	3.43	8.10	2.01	0.46	5.48	1.57	1.60	------	------
Rochester	0.83	0.71	1.08	4.17	5.36	7.41	2.95	1.65	4.43	2.09	1.62	0.35	32.65
Roseau	0.30	1.61	0.36	0.41	5.02	3.21	1.82	0.59	1.24	2.00	2.41	0.23	19.20
St. Cloud	0.82	0.96	0.73	0.59	3.61	2.89	2.17	1.46	3.10	1.43	1.78	0.08	19.62
St. Paul	1.00	2.09	0.59	0.75	3.39	4.44	1.00	0.48	2.90	1.50	1.72	0.19	20.05
St. Peter	1.10	1.34	0.30	1.03	4.00	1.46	5.02	1.88	7.95	0.83	1.86	0.05	26.82
Sandy Lake Dam	0.54	1.63	0.59	0.44	3.61	3.47	1.39	0.65	3.79	0.98	2.03	0.19	19.31
Taylors Falls	0.64	1.20	0.35	0.66	3.39	4.07	5.72	0.71	3.69	2.97	3.46	0.23	27.09
Thief River Falls	0.17	2.44	0.35	0.95	4.13	2.77	5.49	0.54	1.70	1.98	3.23	0.38	24.13
Tower	0.45	0.77	0.39	0.75	5.15	6.03	4.10	0.41	6.18	1.95	1.93	0.30	28.41
Tracy	0.43	0.08	0.16	1.08	3.91	2.63	1.18	2.70	3.99	1.51	2.13	0.12	19.92
Two Harbors	0.48	1.11	0.31	1.00	3.83	4.51	4.83	0.75	6.05	1.87	2.84	0.29	27.87
Virginia	0.59	1.59	0.53	0.57	4.11	4.13	3.42	1.76	3.87	1.80	3.05	0.23	25.75
Wadena	0.54	1.65	0.31	------	------	2.38	------	------	0.87	1.37	2.62	0.02	------
Warroad	0.03	0.98	0.17	1.06	2.70	2.58	1.64	0.88	1.27	1.97	1.82	0.30	15.40
Waseca	0.78	0.28	0.64	1.24	3.42	8.54	7.61	4.50	4.47	1.61	1.35	0.11	34.55
Wheaton	0.54	0.91	0.19	0.82	2.87	2.99	3.89	1.36	2.57	0.66	2.65	0.05	19.50
Willmar	0.48	0.58	0.22	0.87	6.56	2.04	3.31	1.27	4.66	0.75	2.47	0.02	23.23
Winnebago	0.66	0.40	0.74	1.33	4.09	3.36	1.09	0.91	5.38	0.99	2.71	0.05	21.71
Winnibigoshish	0.46	2.03	0.66	0.48	4.00	3.33	1.20	0.55	2.46	0.76	1.95	0.26	18.14
Winona	1.45	1.41	0.90	1.36	------	7.88	------	------	------	1.55	1.64	0.29	------
Worthington	0.63	0.34	0.09	1.58	4.86	5.44	0.58	1.07	7.39	1.53	2.91	T.	26.42
Zumbrota	1.24	0.72	2.09	0.85	5.46	6.25	2.20	0.75	4.26	1.16	1.22	0.19	26.39
Mississippi													
Aberdeen	2.99	3.01	3.21	2.19	10.13	0.17	0.98	4.05	3.10	4.59	4.45	3.23	42.10
Agricultural College	2.85	[2.81]	6.49	1.26	9.16	0.33	0.62	4.48	4.27	2.76	4.67	3.57	43.27
Anguilla	6.44	3.86	5.18	0.72	9.52	0.35	1.00	1.90	4.40	3.65	5.15	3.44	45.61
Austin	14.15	3.72	2.06	0.76	9.11	0.00	0.25	1.30	2.47	1.89	2.82	3.45	41.98
Batesville	7.54	3.83	3.64	1.47	11.52	0.57	1.97	1.83	3.81	3.18	3.53	3.83	46.72
Bay St. Louis	5.53	2.10	4.11	1.15	4.69	0.56	4.37	4.47	9.44	3.61	10.40	2.63	53.06
Belzoni	------	------	------	------	15.60	T.	2.04	1.56	5.26	4.19	5.76	3.61	------
Biloxi	4.53	2.07	3.71	0.83	2.35	4.31	5.02	7.74	8.31	5.04	7.27	2.67	53.85
Booneville	6.81	3.53	4.56	0.34	8.72	0.15	1.82	4.35	3.88	3.29	4.17	[3.34]	44.96
Brookhaven	5.46	3.32	3.52	0.51	11.24	0.06	5.46	1.78	6.56	2.85	9.07	3.94	53.71
Canton	3.29	4.38	4.12	[0.42]	8.94	0.11	2.45	1.77	2.60	3.77	5.69	2.95	40.49
Clarksdale	9.18	[3.96]	[2.93]	0.79	11.53	0.00	0.75	1.33	4.14	3.55	3.59	3.53	45.28
Cleveland	5.13	3.22	3.03	2.49	14.17	0.23	2.48	1.12	5.00	3.17	3.96	3.78	47.78
Collins	6.09	3.21	4.36	0.38	6.48	0.56	5.41	4.54	5.24	5.52	9.35	3.25	54.39
Columbia	8.72	4.63	5.23	0.60	6.92	0.39	5.04	6.91	7.13	2.18	10.72	4.86	63.33
Columbus	2.62	2.28	6.90	1.95	10.67	0.88	1.26	3.07	3.02	2.43	6.15	3.24	44.47
Corinth	6.46	4.28	5.02	1.30	6.32	0.24	1.38	3.21	8.36	1.72	5.72	3.26	47.27
Crystal Springs	3.55	3.60	4.69	0.85	10.05	0.45	2.49	4.98	3.93	2.78	4.38	3.53	45.28
Duck Hill	3.16	3.06	3.16	3.62	16.36	0.48	2.62	2.37	3.32	3.07	4.79	[3.92]	49.93
Durant	------	------	------	------	------	------	------	------	------	5.21	8.27	3.96	------
Edinburg	5.05	2.66	5.10	0.23	11.42	1.37	3.60	1.19	6.14	2.95	5.69	3.12	48.52
Enterprise	4.75	3.35	3.60	0.67	5.76	0.49	3.10	3.35	1.95	2.83	7.86	3.92	41.63
Eupora	3.47	2.57	3.35	2.10	19.10	0.00	0.78	2.10	4.73	3.60	5.98	3.54	51.32
Fayette	5.01	4.63	3.50	1.02	10.28	0.05	2.64	2.30	6.71	2.94	5.08	5.71	49.87
Fruitland Park	[4.52]	2.08	3.59	0.66	4.10	1.39	4.22	6.25	8.04	3.32	7.49	1.80	47.46
Fulton	2.74	3.13	3.01	1.50	9.09	0.08	0.40	4.72	2.42	3.16	5.50	2.96	38.71
Greenville	2.67	4.14	3.49	1.77	18.04	0.26	0.00	0.13	3.90	3.52	5.08	3.86	46.86
Greenwood	4.96	3.84	3.10	2.70	14.30	1.07	0.75	1.34	3.85	3.26	6.49	4.42	50.08
Grenada	4.73	2.69	3.00	2.45	9.87	0.89	1.35	4.43	1.82	2.88	5.24	3.88	43.23
Hattiesburg	6.28	3.76	5.24	0.49	4.07	1.35	5.82	3.91	9.12	2.21	9.37	4.87	56.49
Hernando	9.06	4.11	2.15	1.23	7.85	0.24	0.80	1.53	1.85	3.60	3.04	3.79	39.26
Hickory	6.47	3.48	6.25	2.01	6.60	1.31	3.71	3.90	4.89	3.70	9.75	3.76	55.83
Holly Bluff	------	------	------	0.47	8.30	0.25	0.19	1.92	6.46	3.08	7.11	4.15	------
Holly Springs	9.84	4.48	3.86	0.60	7.79	0.12	0.52	2.19	1.73	3.26	4.95	3.83	43.17
Jackson	3.37	2.96	4.03	0.78	7.13	T.	1.90	2.57	5.54	3.06	5.79	3.16	40.29
Kosciusko	4.44	3.23	3.81	0.41	9.90	0.89	0.99	1.25	3.43	3.55	[6.21]	3.84	41.95
Lake	3.64	5.33	4.83	1.13	5.13	0.31	4.65	4.62	2.38	2.85	6.88	2.63	44.38
Laurel	4.07	2.03	3.88	0.23	4.07	0.85	5.38	4.63	2.41	2.20	9.57	2.87	43.09
Leakesville	5.37	3.83	4.96	0.63	3.59	0.30	5.20	4.61	9.23	2.32	7.49	1.85	49.38
Louisville	4.83	3.37	3.65	1.90	11.06	0.25	2.23	4.43	3.96	2.97	6.08	3.70	48.43
Macon	3.87	2.99	4.60	0.74	12.99	0.61	5.87	4.97	5.04	2.08	6.78	3.27	53.81
Magnolia	8.44	5.01	4.50	1.18	6.71	0.62	5.12	5.25	5.71	4.09	9.24	5.06	60.93
Meridian	4.56	3.11	6.41	1.86	8.54	1.57	3.15	3.73	2.35	4.40	9.15	3.04	51.87
Merrill	5.89	4.01	3.87	0.38	1.87	1.12	5.56	3.09	9.37	2.83	7.89	2.74	49.22
Monticello	6.73	2.83	3.46	0.34	6.74	0.32	3.24	4.88	5.76	4.71	8.96	2.75	51.72
Moorhead	------	------	------	------	19.70	0.10	0.51	0.84	3.07	2.72	4.35	3.65	------
Natchez	4.72	4.42	3.64	0.62	11.91	0.33	1.24	1.49	4.72	1.39	6.58	4.42	45.48
Pearlington	5.43	1.99	3.56	1.66	2.82	1.58	4.04	8.60	9.51	4.64	8.22	1.99	53.98
Pontotoc	2.37	1.30	4.20	0.81	7.00	T.	0.40	2.14	3.92	2.63	5.62	3.14	34.53
Poplarville	5.89	4.00	3.53	0.81	4.00	0.75	2.61	7.22	8.29	2.03	8.20	2.28	49.61
Port Gibson	3.89	3.67	5.39	1.01	12.60	T.	1.70	3.67	3.22	2.77	6.22	5.21	49.35

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Mississippi—Continued													
Rosedale	8.87	4.05	2.53	2.25	11.35	0.74	0.50	1.25	2.38	2.97	4.89	3.68	45.46
Scott	5.33	3.26	3.58	2.52	14.86	0.08	0.16	1.54	3.40	3.36	5.74	3.66	47.49
Shellmound	5.27	3.44	2.46	2.75	13.17	2.52	1.32	1.07	2.48	3.13	4.96	3.17	45.74
Shubuta	4.95	3.20	4.81	0.21	3.23	1.51	4.76	3.99	4.62	3.15	9.38	3.00	46.81
Stoneville	6.25	3.41	2.70	1.70	17.30	0.00	0.47	1.28	3.76	3.03	4.60	3.04	47.54
Swan Lake	5.48	4.25	3.49	2.92	16.34	0.20	2.68	0.62	4.09	3.25	4.65	4.52	52.49
Tupelo	3.82	3.85	4.25	0.81	7.28	0.80	2.50	3.94	6.73	2.98	5.70	3.31	45.97
University	7.10	4.22	6.61	1.04	8.40	0.25	2.34	3.38	2.78	2.73	4.83	3.99	47.67
Utica	3.25	3.02	4.17	0.67	8.35	0.25	1.75	1.27	2.55	2.49	4.82	3.30	35.89
Vicksburg	3.79	2.72	4.15	0.20	10.54	0.03	0.68	3.41	2.93	1.94	5.13	4.10	39.62
Water Valley	5.30	1.30	4.10	1.45	10.71	T.	2.70	2.52	2.35	0.90	5.08	5.35	41.76
Waynesboro	5.39	3.17	5.28	0.15	2.62	0.92	5.76	3.72	7.21	3.41	7.13	2.91	47.67
West Point	2.80	2.83	4.97	2.04	12.41	0.22	2.05	4.20	1.56	3.11	5.19	3.27	44.65
Woodville	7.40	3.26	3.60	1.67	3.06	T.	4.43	2.52	6.44	2.80	6.17	4.89	46.24
Yazoo City	5.74	2.67	2.92	0.26	7.80	T.	3.04	1.53	3.63	3.00	9.07	3.74	43.40
Missouri													
Albany										1.43	1.05	0.78	
Appleton City	3.96	0.70	1.00	2.24	2.49	6.44	1.60	0.82	6.24	3.29	2.50	0.76	32.04
Arcadia	3.02	2.35	0.57	0.85	1.13	0.08	1.62	1.08	5.66	3.47	2.61	0.34	23.38
Aurora	5.25	2.21	0.68	1.11	3.09	4.87	1.91	2.53	6.03	4.08	3.97	1.89	37.62
Becker					1.86	3.25	0.84						
Bethany	[1.98]	[0.72]	[1.56]	2.40	3.42	5.88	0.40	3.92	2.32	3.50	2.02	0.49	28.61
Birchtree	5.47	3.93	1.75	1.71	6.63	1.00	0.84	2.69	4.83	7.09	2.11	1.13	39.18
Boonville	3.67	1.32	0.87	1.56	3.09	3.36	0.29	1.84	4.15	2.72	2.35	0.51	25.73
Brunswick	2.46	0.96	1.50	1.64	3.16	3.69	0.23	2.73	2.56	2.96	3.45	0.76	26.10
Campbell	10.28	3.37	2.79	1.87	5.08	0.81	0.69	3.53	4.73	2.97	2.80	2.45	41.37
Cape Girardeau	7.66	2.52	1.89	1.57	2.61	1.15	0.67	1.34	5.56	1.50	2.68	1.40	30.55
Caplinger Mills	4.57	1.40	0.47	2.13	4.60	7.38	0.95	1.38	4.21	3.65	2.18	0.81	33.73
Caruthersville	13.58	3.08	4.50	2.35	5.48	5.12	1.08	2.78	0.74	3.45	2.15	2.82	47.13
Chaonia										3.39	2.87	1.68	
Chillicothe	2.38	0.46	1.80	1.97	6.13	6.37	0.25	2.20	3.21	2.12	2.53	1.76	31.18
Clifton Hill	3.78	1.34	1.38	1.03	1.75	4.00	0.19	1.91	1.27	1.67	2.36	0.80	21.48
Clinton	4.47	1.15	0.93	2.34	2.25	4.60	2.05	1.74	4.30	3.80	3.31	0.79	31.73
Columbia	4.41	1.82	1.03	1.55	2.88	3.10	0.50	2.18	3.39	2.57	2.25	0.48	26.16
Conception	1.08	1.37	1.12	2.71	4.80	4.75	1.23	4.54	1.94	2.13	2.93	0.43	29.03
Concordia	1.16	0.50	0.73	1.60	1.45	4.49	1.09	1.64	4.88	2.76	3.08	0.75	24.13
Dean	5.61	1.00	0.45	6.32	6.27	5.88	1.75	2.62	7.70	6.45	4.15	3.78	51.98
Dexter	9.46	3.22	2.90	1.58	3.90	0.61	0.19	2.28	3.65	2.99	2.56	2.13	35.47
Doniphan	9.25	3.28	2.84	1.27	4.20	0.40	1.09	0.60	3.54	5.50	1.27	2.89	36.13
Downing	1.14	0.83	1.49	1.21	3.53	6.16	0.02	1.20	1.44	2.49	3.60	1.35	24.46
Edgerton	1.22	0.51	0.50	2.77	3.55	3.93	0.46	1.71	2.61	2.88	2.18	1.00	23.32
Eldon	4.71	1.19	1.25	2.06	2.16	3.49	2.65	2.21	6.24	3.04	2.61	1.75	33.36
Farmington	7.47	2.50	1.61	1.16	0.97	1.70	1.02	0.62	2.99	2.38	2.12	1.09	25.63
Fayette	3.00	0.80	1.24	1.45	3.11	3.20	0.27	2.18	3.93	3.10	3.07	0.64	25.99
Fisk											2.59	1.62	
Fredericktown								0.59	4.29	2.06	1.86	0.78	
Fulton	2.98	0.48	0.78	1.33	2.20	3.36	0.46	0.67	3.43	2.58	3.05	0.55	21.87
Galena	2.95	2.12	1.14	1.07	3.11	3.12	1.93	2.64	6.74	3.83	4.45	1.56	34.66
Gallatin	2.20	0.66	0.56	2.54	5.01	3.80	0.20	3.28	3.12	3.56	2.92	1.59	29.44
Goodland	1.98	2.64	1.34	2.38	2.39	1.35	1.99	1.85	4.68	4.31	2.15	0.95	28.01
Gorin	1.44	0.55	1.05	1.94	2.22	6.19	0.41	0.89	3.02	2.58	2.35	1.01	23.65
Grant City	1.08	1.09	1.51	2.06	3.29	6.16	0.69	3.32	1.26	1.83	2.58	0.47	25.34
Greenville	9.52	1.95	2.60	1.15	2.84	0.90	0.90	2.25	3.55	5.28	2.75	1.25	34.94
Hailey	3.56	3.05	0.75	2.63	7.38	4.33	1.30	3.27	7.58	4.20	3.90	3.36	44.31
Hannibal	3.45	1.73	0.94	1.63	2.08	10.35	0.76	1.45	3.12	2.22	3.36	0.46	31.55
Harrisonville	2.83	0.40	0.86	2.77	3.02	4.10	2.35	2.69	2.81	3.48	2.91	1.00	29.22
Hermann	3.49	1.50	0.94	0.68	2.69	1.84	1.86	0.82	3.17	2.34	3.46	0.54	23.33
Jackson	8.66	3.00	1.57	2.18	2.16	1.30	1.16	1.46	7.08	1.28	2.51	1.78	34.14
Jefferson City	4.82	1.45	1.02	2.23	1.87	3.77	2.72	2.11	4.76	3.25	2.81	0.82	31.63
Joplin	4.42	2.11	1.00	7.72	4.66	8.17	3.42	2.25	7.50	3.45	4.77	2.90	52.37
Kansas City	2.56	0.80	0.67	3.13	4.39	3.78	1.39	3.48	2.61	2.10	2.70	0.95	28.56
Kidder	1.10	0.57	0.67	2.27	4.74	3.82	0.60	3.55	2.92	2.96	2.62	1.48	27.30
King City	1.43	0.77	1.10	2.68	5.49	4.66	0.51	3.26	2.69	2.83	2.52	0.75	28.69
Kirksville	2.04	0.43	1.03	2.52	3.01	5.66	0.22	3.04	2.51	2.33	2.43	1.04	26.26
Koshkonong	7.28	3.25	2.39	1.43	5.19	1.79	0.04	4.01	4.35	6.36	2.97	1.88	40.94
Lamar	4.10	1.05	0.69	3.99	4.32	7.16	1.90	3.85	5.80	4.15	4.34	0.90	42.25
Lamonte	5.25	0.68	0.97	2.10	2.25	4.22	1.19	1.26	4.10	3.96	6.10	0.85	32.93
Lebanon	4.96	1.90	1.51	2.59	3.24	3.57	1.24	0.94	6.74	4.04	1.32	1.23	33.28
Leeper	7.39	2.71	1.70	1.36	1.98	1.46	1.20	2.00	3.65	3.83	3.22	1.88	32.38
Lexington	3.52	1.12	1.42	2.17	5.31	5.13	1.05	1.71	5.53	2.37	2.88	1.27	33.48
Lockwood	3.79	1.15	0.99	4.36	4.64	7.46	1.30	3.92	4.09	4.89	3.77	1.20	41.56
Louisiana	4.90	0.60	0.70	0.83	2.27	4.77	0.54	1.77	3.62	2.25	2.33	0.57	25.15
Lucerne	[1.98]	[0.72]	2.27	1.43	3.82	5.18	T.	3.24	1.09	2.40	2.44	1.35	25.92
Macon	2.27	0.72	1.31	1.57	2.11	7.19	0.09	2.39	3.14	0.48	3.39	0.90	25.56
Marble Hill	7.99	2.78	1.34	0.22	2.44	0.30	0.42	1.07	6.34	2.55	3.22	1.70	30.37
Marshall	2.00	0.58	1.03	1.52	3.24	3.63	0.29	1.50	3.86	2.91	2.66	0.66	23.88
Maryville	1.97	0.83	1.31	1.24	4.17	2.52	0.71	4.81	1.35	2.06	2.70	0.38	24.05
Mexico	4.08	0.97	1.16	1.02	1.48	4.21	0.07	0.84	2.35	2.89	3.00	0.48	22.55
Milan	1.70	0.45	1.83	1.90	5.15	4.95	0.32	2.25	3.50	2.74	[3.25]	[1.35]	29.39
Monroe City	2.18	0.96	1.00	[1.30]	[1.98]	6.27	0.59	1.86	3.57	2.75	3.24	0.49	26.19
Morehouse	9.74	3.79	3.35	1.25	3.03	0.46	0.66	0.82	6.43	2.35	2.36	2.31	36.55
Mountain Grove	5.17	3.27	1.20	0.97	7.32	1.95	1.50	1.97	6.10	4.57	3.82	1.82	39.66
Neosho	5.32	1.22	0.71	6.35	6.46	6.65	2.56	2.18	12.87	4.79	4.08	2.07	55.26
Nevada	2.76	0.47	0.04	3.31	1.63	5.44	0.62	0.30	3.16	3.00	3.50	0.73	24.96
New Madrid	12.11	4.42	2.74	2.09	3.42	0.81	1.74	0.94	3.00	3.19	2.31	3.11	39.88
Oregon	1.34	1.45	0.61	3.32	4.57	7.90	1.36	4.13	3.77	2.15	4.30	0.18	35.08
Osceola	6.38	1.11	0.80	3.44	2.92	6.18	0.60	0.52	6.75	3.12	3.31	0.97	36.10
Owensville	3.59	1.48	[1.70]	0.87	3.02	2.64	1.14	1.80	4.75	2.50	3.09	1.00	27.58
Ozark Beach	4.22	3.25	1.10	2.43	5.44	3.67	2.83	2.47	4.93	4.18	2.71	2.20	39.43
Pacific	5.57	2.07	1.05	1.46	1.89	2.76	1.64	0.20	5.54	2.07	2.76	0.95	27.96
Poplar Bluff	7.85	3.70	2.55	1.29	3.43	0.94	0.50	3.59	6.34	3.21	2.70	1.73	37.83
Rolla	4.81	1.63	2.10	1.93	2.09	1.74	1.35	3.63	6.08	2.21	4.24	0.99	32.80
St. Charles	3.56	1.85	1.29	1.05	1.69	3.31	T.	0.30	2.82	0.62	1.95	0.62	19.06
St. Joseph	1.30	0.83	0.83	2.92	4.45	5.32	1.46	3.29	2.75	3.99	3.87	0.70	31.71
St. Louis (Weather Bureau)	5.70	2.35	0.99	1.32	1.69	2.63	0.25	0.28	3.51	1.84	1.77	0.90	23.23

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Missouri—Continued													
St. Louis (No. 2)	5.47	2.06	1.08	1.31	1.01	2.20	0.22	0.22	3.72	1.59	1.73	0.95	21.56
Salem	5.93	3.12	2.19	1.47	2.68	1.65	0.79	2.17	3.44	3.04	2.08	1.53	30.09
Seligman	4.83	2.66	0.34	2.21	6.37	3.91	0.58	1.25	6.22	5.08	3.54	2.56	39.55
Seymour	3.42	3.57	0.88	1.69	5.13	2.87	0.47	1.09	5.32	4.45	3.87	1.63	34.39
Shelbina	1.56	2.06	1.30	0.97	2.17	6.40	0.19	2.38	3.26	2.33	2.83	0.69	26.14
Sikeston	10.91	2.63	3.16	0.90	2.72	0.82	0.43	0.62	4.13	2.08	2.35	2.43	33.18
Springfield	5.27	1.59	0.77	1.04	4.40	4.31	0.62	3.02	3.25	3.05	2.11	1.30	30.73
Steelville	4.88	3.00	2.48	1.89	2.08	1.39	2.13	2.48	5.57	1.86	1.90	1.27	30.93
Steffenville	2.22	0.77	1.20	3.62	2.11	5.60	0.13	2.43	4.20	2.95	3.55	1.02	29.80
Stover	4.32	1.43	0.69	2.51	2.08	3.25	2.74	1.66	3.65	2.94	2.85	0.37	28.49
Tarkio	0.71	0.60	1.10	2.26	4.63	5.72	0.67	3.97	2.76	1.30	3.23	0.20	27.15
Trenton	1.94	0.39	1.92	3.39	5.50	5.59	0.20	3.62	2.13	3.30	2.73	1.52	32.23
Tuscumbia	4.20	1.34	1.96	3.38	2.13	3.08	1.55	1.94	5.59	2.67	2.33	0.67	30.84
Union	4.70	1.80	1.03	1.29	2.81	3.68	2.80	0.10	5.13	2.44	2.59	0.89	29.26
Unionville	2.68	0.74	3.00	1.35	4.90	6.28	0.15	1.97	2.60	2.71	5.15	1.50	33.03
Valley Park	5.07	2.03	0.90	0.97	1.69	2.70	1.11	0.04	3.64	2.37	2.39	0.80	23.71
Warrensburg	1.84	0.15	0.77	3.18	2.84	4.12	1.12	1.28	3.02	3.36	1.85	0.18	23.71
Warrenton	4.69	1.55	1.05	0.75	1.91	2.37	0.10	0.26	4.56	2.07	2.96	0.62	22.89
Warsaw	4.77	1.57	1.05	4.14	2.34	4.08	0.88	1.14	6.91	3.80	3.24	0.87	34.79
Waverly	2.85	0.85	0.95	1.52	3.28	3.61	0.26	1.06	4.21	2.36	3.57	0.93	25.45
Williamsville	8.23	2.66	1.62	1.12	2.54	1.01	0.62	3.20	3.25	4.20	2.12	1.56	32.13
Willow Springs	4.99	4.08	2.07	1.30	6.34	1.36	2.50	2.36	6.38	6.43	5.78	1.77	45.36
Montana													
Adel (near)	1.54	0.71	3.41	2.40	4.05	1.46	----	----	----	----	0.32	T.	----
Agricultural College	0.35	0.40	0.75	1.28	0.72	0.85	1.64	2.13	1.05	3.41	0.97	0.62	14.17
Ashland (near)	0.51	0.65	1.03	1.61	1.31	1.47	0.92	0.76	1.31	1.05	0.23	0.23	11.08
Augusta	0.51	0.16	2.32	0.97	0.68	1.22	0.81	0.54	1.64	0.48	0.90	0.00	10.23
Babb (near)	[0.96]	0.06	1.70	2.03	2.41	1.60	1.67	0.47	2.64	0.91	0.65	0.00	15.10
Baker	1.38	0.45	0.00	1.31	1.18	3.37	1.43	1.07	2.42	0.63	0.31	0.58	14.13
Ballantine	[0.14]	0.06	0.32	1.74	0.18	1.10	1.00	0.37	1.13	2.06	0.51	T.	8.61
Belton	[1.68]	2.30	0.87	2.27	2.59	2.16	1.07	0.18	2.44	5.64	2.26	0.97	24.43
Big Sandy	0.04	0.02	0.56	1.16	1.55	0.71	0.28	0.49	2.02	0.59	0.92	0.12	8.46
Big Timber	0.48	0.40	1.41	0.50	0.55	0.35	1.45	2.23	0.45	[1.86]	0.75	0.00	10.43
Billings	0.54	0.50	0.53	0.87	0.42	0.79	1.20	1.35	0.68	1.82	0.52	T.	9.22
Bridger	0.25	0.31	0.56	0.13	T.	0.80	0.56	----	----	----	0.74	0.00	----
Browning	0.08	0.06	1.18	2.45	2.55	2.21	1.25	0.31	2.20	1.00	1.84	0.00	15.13
Busby	0.19	0.41	0.52	1.27	0.57	2.25	0.75	0.62	0.72	[1.48]	0.09	0.10	8.97
Busteed	0.51	0.19	1.14	0.57	0.70	0.66	1.61	2.40	0.76	1.78	0.55	0.00	10.87
Butte	0.99	0.38	0.98	2.28	0.74	1.14	0.43	1.36	1.83	1.04	0.29	0.10	11.56
Canyon Ferry	0.58	0.15	1.04	1.33	0.75	0.60	1.22	0.97	1.40	1.13	0.26	0.06	9.49
Carter (near)	0.08	0.12	0.88	0.42	1.28	1.77	0.10	0.14	----	----	----	----	----
Cascade (near)	0.38	0.18	2.05	0.73	1.07	0.46	1.60	0.25	1.63	0.94	[0.56]	T.	9.85
Chinook	0.29	0.25	0.67	1.53	0.64	1.65	1.80	0.48	2.50	0.61	1.24	0.15	11.81
Choteau	0.13	0.02	1.46	1.11	1.41	1.60	1.35	0.49	1.30	0.87	1.08	0.00	10.82
Circle (near) [1]	1.10	1.13	0.05	2.00	1.82	3.12	0.28	0.85	0.92	1.37	0.23	0.19	13.06
Colstrip	0.61	0.19	2.35	2.00	0.55	1.24	1.27	1.57	0.20	1.71	0.20	[0.14]	12.03
Columbia Falls	1.10	0.86	0.60	2.62	2.10	2.61	1.04	0.20	3.79	[1.50]	3.53	1.14	21.09
Columbus	----	----	----	----	----	----	----	----	----	1.42	0.24	T.	----
Conrad	[0.20]	0.08	1.75	1.12	2.08	1.87	0.37	0.43	2.05	[0.87]	[1.36]	0.00	12.18
Conway's Ranch	0.70	0.92	1.11	1.77	1.09	1.63	1.45	2.80	1.66	1.59	1.20	1.07	16.99
Copper	1.00	0.50	0.54	1.35	0.67	0.99	0.65	0.86	1.05	3.05	0.68	0.05	11.39
Crow Agency	0.69	0.28	0.80	1.65	1.50	1.26	1.50	0.35	0.18	2.92	0.12	0.18	11.43
Culbertson (near)	T.	0.63	T.	2.05	1.64	2.85	1.66	1.56	1.41	0.97	0.55	0.10	13.42
Cut Bank	0.30	0.35	0.90	1.13	1.97	2.74	0.63	0.37	1.53	1.06	1.20	0.03	12.21
Darby (near)	1.38	2.83	2.92	0.94	0.36	0.40	1.05	1.30	2.04	1.31	1.57	0.12	16.22
Deer Lodge	----	----	----	----	----	----	----	0.48	1.94	1.05	0.09	0.03	----
Dillon	1.09	1.47	0.20	1.02	0.93	0.70	1.84	3.33	2.08	0.91	0.53	0.20	14.30
Drummond	[0.61]	0.18	1.29	1.63	0.55	[1.01]	0.83	0.89	2.11	1.26	0.65	0.05	11.06
Dry Land Experiment Station	0.69	0.58	0.67	0.49	0.27	0.43	0.98	1.02	1.18	1.35	0.88	0.23	8.77
Dunkirk (near)	0.15	T.	0.54	1.55	1.58	2.39	0.30	0.94	1.91	1.09	0.91	0.43	11.79
East Anaconda	0.68	0.50	1.35	0.70	0.75	0.68	1.43	1.41	2.19	1.56	0.61	0.04	11.90
East Helena	0.54	0.12	0.92	1.28	0.22	0.38	0.84	0.37	1.90	1.32	0.26	0.00	8.15
Ekalaka	0.10	0.12	0.22	1.39	1.52	4.52	1.58	0.26	0.83	0.86	0.42	0.31	12.13
Emory	[0.22]	0.06	0.50	3.03	1.06	0.50	2.84	----	----	----	----	----	----
Ennis	0.98	0.38	0.50	0.75	0.62	0.89	2.13	1.19	1.08	2.18	[0.42]	0.00	11.12
Eureka	0.39	0.45	0.26	1.07	2.37	2.36	1.14	0.12	2.87	1.85	1.62	0.22	14.72
Fairfield	0.33	0.09	2.14	1.07	0.95	1.52	1.48	1.66	2.08	0.45	0.56	0.00	12.33
Flatwillow (near)	0.22	0.09	0.78	2.17	0.48	0.91	0.77	1.33	1.21	1.75	0.28	0.18	10.17
Forks (near)	0.14	0.21	0.33	1.73	0.77	0.73	0.75	1.46	3.71	1.21	0.55	0.04	11.63
Fortine	0.47	0.91	0.54	1.71	3.37	2.50	0.96	0.71	3.04	1.98	2.38	0.26	18.83
Foster	[0.29]	0.12	0.46	1.10	1.27	0.76	[0.87]	0.07	0.21	----	----	T.	----
Frazer	0.28	1.12	0.02	1.67	1.24	3.37	1.96	0.85	0.81	1.02	0.73	0.19	13.26
Garland	[0.19]	0.24	0.33	2.47	0.66	2.33	0.93	2.41	0.48	[0.67]	0.35	0.35	11.41
Geraldine (near)	0.31	0.11	1.43	0.68	0.60	1.19	0.35	0.83	1.23	1.42	0.99	0.15	9.39
Glasgow	0.18	0.46	0.02	2.14	0.66	1.07	0.66	0.20	1.08	1.27	0.50	0.04	8.28
Glendive	0.10	0.28	T.	2.36	1.05	3.68	1.29	1.87	0.62	0.30	0.61	0.60	12.76
Goldbutte (near)	0.13	0.05	0.75	1.38	2.57	2.66	[0.54]	----	----	----	[1.36]	0.47	----
Grant	0.52	0.21	0.34	0.98	1.22	0.76	0.67	2.28	1.15	1.17	0.34	0.05	9.09
Great Falls	0.84	0.12	1.58	0.99	1.63	1.22	0.74	0.45	2.03	1.18	0.69	0.14	11.61
Hamilton	[0.67]	0.74	1.54	0.44	0.32	0.52	0.54	1.01	1.89	0.61	0.59	T.	8.87
Harlem	----	0.19	0.58	1.85	0.54	1.33	1.31	0.88	2.48	[0.46]	0.78	T.	----
Haugan	1.96	2.37	3.25	1.41	3.78	0.81	0.78	0.31	1.26	1.68	3.07	0.83	21.51
Havre	0.18	0.27	0.58	1.12	0.88	1.65	0.76	0.34	1.39	0.48	0.82	0.26	8.73
Hays (near)	0.33	0.50	----	----	----	----	----	----	----	----	----	----	----
Hebgen Dam	3.14	3.05	1.31	2.36	1.32	1.84	1.93	4.40	2.75	3.29	1.89	1.00	28.28
Helena	0.77	0.25	1.06	0.78	0.80	0.54	0.69	0.54	1.12	1.20	0.48	T.	8.23
Helena Valley	0.50	0.09	0.58	1.09	0.70	0.69	0.51	0.29	1.19	0.83	0.16	0.00	6.63
Heron	1.38	4.90	1.80	1.96	4.26	1.49	0.36	0.39	1.37	2.84	5.00	2.01	27.76
Highwood	0.70	0.13	2.46	1.23	3.20	1.17	0.66	1.12	2.06	1.51	0.77	0.45	15.46
Holter	0.23	0.07	0.92	1.63	1.63	0.77	1.26	0.14	1.67	[0.76]	0.33	0.00	9.41
Ingomar (near)	0.39	0.24	0.19	1.25	0.40	0.56	1.62	0.65	0.31	1.47	0.16	0.07	7.31
Jordan	----	----	----	----	----	----	1.07	1.22	0.68	0.71	0.45	0.06	----
Kalispell	0.80	0.62	0.35	1.32	1.87	2.52	1.02	0.23	2.67	1.61	2.49	0.35	15.66
Kenilworth (near)	[0.24]	[0.11]	[0.24]	1.09	1.45	[1.30]	0.19	0.73	2.60	[0.85]	[1.00]	0.62	10.42

[1] Springbrook record until May, 1930; then moved to Circle (near).

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Montana—Continued													
Kinread	0.16	0.01	0.92	[1.20]	[1.45]	1.07	0.14	0.08	1.79	[1.01]	0.76	0.13	8.72
Lewistown	[0.78]	0.17	0.81	0.40	0.79	0.88	2.87	1.33	1.85	2.26	0.53	0.71	13.38
Libby	[0.78]	0.95	0.61	0.55	3.52	0.81	0.03	0.37	0.56	1.64	2.70	0.15	12.67
Livingston	0.38	0.29	0.57	0.79	0.38	0.62	2.06	1.71	0.59	1.55	0.29	0.03	9.26
Lonepine	0.85	0.39	1.10	0.53	1.51	0.59	0.60	0.17	1.54	0.48	0.89	0.23	8.88
Lothair	0.16	0.06	0.68	0.88	0.95	1.25	0.32	0.26	2.19	0.51	0.88	0.14	8.28
Loweth	0.33	0.07	0.60	0.83	0.81	0.42	1.73	0.93	1.60	[2.45]	[0.92]	0.19	10.88
Lustre (near)	T.	[0.48]	T.	3.47	0.69	2.68	1.18	0.05	1.36	[1.11]	0.17	0.10	11.29
Lytle	0.60	0.11	2.12	1.37	1.17	1.70	0.41	0.23	2.37	1.23	1.37	0.05	12.73
Malta	0.13	0.20	0.17	1.54	0.49	0.85	1.58	0.60	2.70	1.06	0.75	T.	10.07
Medicine Lake		[0.48]						1.78	0.58	1.22	0.66	[0.05]	
Melstone	[0.37]	0.30	0.07	1.08	0.05	[0.81]	0.08	0.11	[0.82]	[0.85]	[0.24]	0.18	5.06
Mildred	0.17	0.50	T.	2.17	0.53	3.14	1.39	0.70	1.16	0.65	0.34	0.40	11.15
Miles City	0.35	0.36	0.29	1.88	1.30	1.75	1.09	0.93	1.08	0.66	0.38	0.31	10.38
Missoula	0.70	0.66	1.81	0.98	0.29	1.15	0.65	1.05	2.84	1.41	1.03	0.28	12.85
Missoula (near)	0.66	0.58	1.70	1.12	0.49	1.12	0.52	0.59	3.14	1.25	0.94	0.20	12.31
Mystic Lake	0.92	0.75	2.51	0.73	.180	1.52	2.74	3.20	0.73	[4.41]	[0.95]	T.	20.26
Norris (near)	0.79	1.01	1.45	1.16	1.42	1.38	2.53	1.86	1.46	3.32	0.74	0.20	17.32
Opheim	0.47	0.84	0.07	2.17	0.71	2.25	1.16	0.81	0.96	0.84	0.36	0.15	10.79
Outlook	0.16	0.32	0.20	1.37	1.58	2.79	1.10	2.29	0.77	1.17	0.20	T.	11.95
Ovando	0.80	1.71	1.40	2.12	0.89	1.58	1.03	[0.74]	1.80	[1.34]	1.19	0.76	15.36
Paxton (near)	0.22	0.95	0.03	1.43	1.39	2.81	0.69	1.46	1.26	1.26	0.44	0.40	12.34
Philipsburg	[1.06]	[0.89]	1.17	1.86	1.08	1.03	1.33	1.06	2.25	1.77	0.37	0.15	14.02
Pipestone Dam	1.23	0.48	1.46	2.02	0.42	0.95	0.98	1.71	1.81	1.15			
Pleasant Valley (near)	0.94	1.20	1.10	0.42	3.72	1.13	0.44	0.64	1.96	1.42	2.41	0.18	15.56
Plevna	[0.24]	0.06	T.	1.87	1.20	3.60	1.36	1.71	3.29	0.68	0.18	0.41	14.60
Polson	0.95	0.44	1.22	1.42	1.56	1.93	0.65	0.74	2.26	1.28	1.20	0.53	14.18
Poplar	0.13	0.62	T.	1.85	1.44	2.48	1.05	0.75	1.60	1.31	0.39	0.19	11.81
Red Lodge (near)	0.33	0.67	2.25	0.14	0.92	0.82	1.43	2.84	0.56	1.63	0.77	0.00	12.36
Renova (near)	0.62	0.28	0.42	1.14	0.13	0.89	1.23	1.15	1.47	0.89	0.21	0.02	8.45
Rock Springs (near)					[0.68]	2.35	0.62	0.71	1.28	1.31	0.21	0.26	
Roundup	0.42	0.08	0.28	3.77	0.47	0.81	1.24	1.46	1.09	2.63	0.18	0.11	12.54
Sahara												T.	
St. Ignatius	1.12	0.43	1.72	1.71	1.36	1.77	0.72	0.39	2.64	1.50	1.05	0.22	14.63
Sarpy Creek	[0.40]	0.42	1.06	0.89	1.17	0.65	1.09	1.10	0.29	1.67	0.23	0.12	9.09
Savage	T.	0.23	T.	2.11	0.79	2.07	0.10	3.54	1.04	0.21	0.13	0.22	10.44
Scobey	0.32	0.91	0.07	1.85	1.40	5.53	1.29	0.47	1.08	1.13	1.51	0.00	14.56
Sentinel Butte Pass	0.26	0.36	0.17	2.33	1.22	2.34	0.72	0.38	1.54	1.02	0.67	0.23	11.24
Sioux Pass (near)	0.03	0.67	0.02	1.80	2.14	3.11	1.33	2.27	1.50	1.14	0.33	0.05	14.39
Snowbelt	0.15	0.07	0.23	1.76	0.42	0.97	0.94	2.59	0.66	1.55	0.28	0.15	9.77
Sonnette	[0.59]	0.24	0.46										
Stanford	0.43	0.25	1.22	1.01	0.66	0.93	0.86	2.08	1.10	2.23	0.76	0.13	11.66
Stevensville (near)	0.66	1.19	2.39	1.13	0.80	0.60	0.90	0.76	4.01	1.11	0.62	0.01	14.18
Sun River Canyon	0.26	0.39	2.08	0.91	0.91	2.75	0.66	0.60	2.07	1.04	1.17	0.00	12.84
Sunset Orchard	0.17												
Superior	0.96	1.04	1.37	0.94	1.33	1.09	0.60	0.87	2.12	1.35	1.35	0.00	13.02
Sweetgrass (near)	0.12	0.10	0.83	1.49	2.03	1.49	0.68	0.41	1.23	0.66	1.25	0.12	10.41
Thompson Falls	1.00	1.52	1.68	1.50	2.80	1.36	0.38	0.33	0.81	1.28	2.46	0.60	15.72
Three Forks			0.57	0.92		0.33	0.80	1.63		1.31	0.32	0.05	
Trout Creek (near)	1.40	4.42	2.47	1.33	3.82	1.02	0.11	0.17	1.21	2.16	3.82	0.86	22.79
Upper Yaak River	0.65	2.19	0.78	1.21	2.75	1.83	0.82	0.25	1.28	1.73	1.78	0.21	15.48
Valentine	T.	T.	0.12	1.91	0.25	1.05	0.75	1.61	2.49	1.53	0.19	T.	9.90
Valier	0.12	0.08	1.27	1.16	1.71	2.12	0.23	0.70	1.44	0.72	0.97	0.00	10.52
Victor (near)	0.81	1.27	1.94	0.30	0.25	0.38	0.55	0.75	1.82	1.25	[0.74]	0.12	10.18
Vida (near)	0.92	2.14	0.08	1.31	1.55	2.56	0.18	0.60	0.82	1.27	1.21	1.06	13.70
Virginia City	0.40	0.56	0.67	0.82	0.79	0.96	1.56	1.95	1.45	2.38	0.31	0.82	12.67
White Sulphur Springs	1.00	0.20	1.30	1.65	0.75	0.55	0.40	1.05	1.60	5.40	1.10	0.20	15.20
Winifred	0.27	0.17	0.25	0.30	0.78	0.85	0.24	0.37	0.50	[1.39]	0.92	0.13	6.17
Nebraska													
Ainsworth	0.46	0.20	0.13	4.64	3.40	3.70	1.00	1.87	0.19	4.13	[1.80]	[0.20]	21.72
Albion	1.10	0.30	0.21	4.20	6.60	4.24	0.79	1.63	1.88	1.76	1.97	0.60	25.28
Alliance	0.75	0.78	0.12	4.86	5.62	0.89	2.23	3.21	1.96	2.29	0.70	0.11	23.52
Alma	0.25	0.25	0.11	4.13	3.84	4.50	2.10	3.76	1.02	5.56	2.42	0.20	28.14
Arcadia	0.50	0.00	0.30	5.70	4.24	6.38	0.45	4.02	1.58	3.37	1.89	0.12	28.55
Arden (near)	0.71	0.21	0.64	4.02	9.99	2.33	1.00	3.53	1.79	2.77	1.83	0.36	29.18
Arthur	0.35	0.51	0.02	3.35	7.10	1.84	1.29	4.00	0.95	2.37	2.57	0.08	24.43
Ashland	0.75	0.35	0.47	2.51	2.57	3.32	1.96	5.50	1.32	0.47	1.78	0.23	21.23
Atkinson	[0.06]	0.30	0.40	5.41	3.43	2.19	0.81	2.58	0.55	1.59	0.61	0.25	18.18
Auburn	1.35	0.49	1.10	3.12	5.88	5.42	0.44	7.14	2.98	0.45	2.37	0.41	31.15
Aurora	0.57	0.14	0.59	3.89	9.46	5.82	1.04	8.45	0.91	1.86	1.93	0.08	34.74
Beatrice	1.15	0.39	0.87	4.02	3.54	1.86	0.80	6.37	2.46	0.90	3.33	0.32	26.01
Beaver City	0.60	0.40	0.30	4.78	4.49	3.77	2.95	4.05	3.26	3.42	2.71	0.28	31.01
Benkelman	0.35	0.58	0.41	2.24	4.86	3.08	5.86	3.25	2.53	3.42	2.23	0.18	28.98
Bertrand	1.25	0.30	0.30	5.59	4.42	4.56	2.09	2.63	2.74	4.02	1.42	0.20	29.52
Blair	0.97	0.33	0.27	1.62	5.52	2.99	1.25	5.52	0.51	0.68	2.75	0.20	22.61
Bloomfield	0.34	0.24	0.70	3.10	4.95	1.52	0.00	3.47	2.12	1.12	1.21	0.10	18.87
Bradshaw	0.62	0.08	0.77	4.38	8.88	5.83	0.88	5.43	0.58	1.09	2.31	T.	30.85
Brewster	0.51	[0.30]	0.20	5.55	4.05	2.75	0.86	3.74	0.69	6.62	2.35	0.40	28.02
Bridgeport	0.77	0.49	0.09	3.91	5.49	0.94	0.99	2.99	1.51	2.15	0.92	0.05	20.30
Broken Bow	0.62	0.42	0.30	5.22	4.30	4.53	1.25	4.60	1.69	3.77	1.89	0.40	28.99
Bruning	0.60	0.18	0.28	2.74	6.22	2.98	0.95	5.93	1.18	1.29	2.75	0.16	25.26
Burwell	0.80	0.40	0.50	5.65	4.57	3.82	1.70	4.70	0.85	3.03	1.31	0.30	27.63
Butte	0.45	0.15	0.47	4.37	2.01	3.18	T.	2.41	3.77	3.30	1.26	0.12	21.49
Cairo	0.75	0.22	0.28	7.55	5.87	5.07	1.32	7.08	1.17	2.35	2.15	0.07	33.88
Cambridge	0.75	0.76	0.20	7.31	4.76	4.55	3.29	1.97	1.24	4.06	[2.50]	0.30	31.69
Central City	0.80	0.10	0.52	4.31	10.35	5.76	2.72	2.54	1.24	2.27	2.02	0.05	32.68
Chadron	0.59	0.86	1.19	2.80	3.64	2.15	1.96	2.37	1.65	1.73	0.89	0.21	20.04
Clay Center	0.60	T.	0.12	3.69	8.24	4.00	0.82	3.36	3.30	1.59	1.95	0.22	27.89
Columbus	0.36	0.31	0.64	4.42	6.01	3.52	1.43	4.12	1.22	2.16	2.58	0.10	26.87
Crete	0.96	[0.35]	0.54	2.70	4.61	2.26	0.87	5.74	0.48	0.87	3.01	0.11	22.50
Culbertson	1.00	0.46	0.67	3.94	4.44	2.75	4.78	2.14	2.38	4.62	2.03	0.53	29.74
Curtis	1.20	0.00	0.60	6.38	5.49	5.55	1.36	2.36	1.69	6.17	2.35	0.50	33.65
Dalton	1.02	0.55	0.19	2.04	6.47	0.89	2.20	3.50	1.23	2.16	0.93	0.37	21.55
David City	1.05	0.36	0.69	3.55	7.53	5.27	0.56	4.38	1.80	1.35	2.99	0.28	29.81
Dumas	0.55	0.17	0.45	3.91	3.79	3.06	0.28	5.01	1.60	3.60	2.24	0.05	24.71

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Nebraska—Continued													
Elsie	0.31	0.36	0.18	1.97	8.59	2.99	1.18	3.01	3.38	4.72	1.81	0.08	28.58
Ericson (near)	0.20	0.25	0.10	4.98	4.07	3.31	0.92	2.47	1.51	2.84	2.10	0.10	22.85
Ewing	0.87	T.	0.30	3.65	4.41	3.04	0.53	3.29	1.76	2.22	1.66	0.13	21.86
Fairbury	1.18	0.54	0.76	4.89	4.29	4.19	1.04	5.26	0.58	1.60	2.89	0.27	27.49
Fairmont	0.85	0.26	0.38	3.21	7.14	2.71	1.08	10.64	1.10	0.76	2.50	0.17	30.80
Falls City	2.58	0.50	0.35	2.56	4.23	5.90	1.68	5.20	1.20	1.21	3.38	0.18	28.97
Fort Robinson	0.51	0.65	0.35	4.20	[3.50]	0.95	0.11	3.18	2.65	2.44	0.59	0.06	19.19
Franklin	0.37	0.43	0.13	3.75	4.46	3.68	1.66	2.34	1.39	3.22	2.21	0.25	23.89
Fremont	0.99	0.29	0.17	4.12	5.70	2.31	0.47	7.06	0.36	0.81	3.28	0.12	25.68
Friend	0.74	0.19	0.12	2.51	6.01	1.96	1.56	7.26	2.75	0.93	2.16	0.13	26.32
Fullerton	0.38	0.25	[0.40]	4.38	6.17	4.57	1.09	3.79	2.57	1.79	1.64	T.	29.03
Geneva	1.70	0.55	0.53	3.03	6.32	2.36	0.60	7.08	0.80	1.57	2.40	0.20	27.14
Genoa	0.69	0.12	0.41	3.58	8.94	3.63	0.95	3.62	1.84	3.00	1.73	[0.10]	28.61
Gordon	0.81	1.46	0.58	3.48	3.83	1.50	0.94	2.27	1.22	2.10	1.11	0.16	19.46
Gosper	0.25	0.41	0.12	5.64	5.05	5.09	2.92	3.69	1.93	4.30	2.70	0.24	32.34
Gothenburg	1.30	0.33	0.42	5.78	5.82	6.08	0.53	4.63	1.58	5.86	2.04	0.61	34.98
Grand Island	1.05	0.29	0.55	4.59	8.16	5.52	1.65	5.45	1.42	3.11	1.80	0.23	33.82
Greeley				5.50	6.50	5.23	0.69	7.24	2.05	1.85			
Haigler	0.20	0.31	T.	1.63	4.07	3.68	2.32	2.86	0.63	2.11	1.69	0.01	19.54
Halsey	0.80	0.20	0.18	4.52	4.28	4.89	1.04	4.77	0.68	6.82	1.23	0.75	30.16
Harrison	1.40	0.35	1.30	2.49	4.51	2.00	1.18	3.49	1.83	2.88	0.65	0.30	22.38
Hartington	0.80	0.30	0.55	2.69	5.24	3.93	T.	3.97	3.08	3.31	2.37	0.40	26.64
Hastings	0.62	0.18	0.17	5.77	7.28	3.90	0.64	4.00	0.69	2.00	1.76	0.18	27.19
Hayes Center	1.04	0.73	0.34	3.52	5.63	4.42	3.26	2.14	3.16	4.27	2.45	0.40	31.36
Hay Springs	0.70	0.82	1.05	4.06	5.41	2.33	1.66	1.94	1.63	2.26	0.80	0.60	23.26
Hebron	1.40	T.	0.40	3.95	6.60	5.65	1.10	2.65	1.20	1.30	2.50	0.20	26.95
Holdrege	0.68	0.51	0.17	5.95	4.87	5.41	2.28	3.24	2.12	5.60	2.48	0.22	33.53
Hull (near)	0.75	0.25	0.08	1.35	3.29	0.80	[0.50]	[5.00]	[3.50]	1.27	0.42	0.32	17.53
Hyannis	0.76	0.47	0.21	2.51	3.84	1.65	3.49	5.65	1.05	2.10	1.35	0.04	23.12
Imperial	1.01	0.50	0.50	1.68	7.43	2.50	4.68	3.96	1.38	4.22	3.34	0.22	31.42
Kearney	1.78	0.35	0.24	6.26	6.52	6.33	1.32	2.87	1.11	3.34	3.34	0.10	33.56
Kimball	0.55	0.80	0.70	2.89	3.46	0.62	1.19	5.57	0.72	2.06	0.20	T.	18.76
Kowanda	0.76	0.45	0.25	3.51	8.70	1.24	1.66	5.55	1.60	1.76	2.43	T.	27.91
Lake Minatare	0.52	0.44	0.11	2.52	5.70	0.79	1.58	4.57	1.93	1.62	0.50	0.04	20.32
Lebanon	0.42	0.60	0.20	4.88	5.10	4.24	5.02	3.81	2.89	4.73	2.65	0.40	34.94
Lexington	0.78	T.	0.25	6.28	3.24	3.13	3.60	2.85	3.40	2.84	1.60	0.20	28.17
Lincoln (Weather Bureau)	0.87	0.31	0.58	2.72	3.10	2.95	1.06	3.75	1.36	0.52	3.40	0.12	20.74
Lincoln (Agronomy Farm)	0.84	0.28	0.51	2.90	3.47	2.91	1.24	4.24	1.90	0.51	3.19	0.14	22.13
Lincoln (College View)	0.87	0.47	0.75	2.54	3.42	3.07	1.20	3.50	1.14	0.51	2.96	0.16	20.59
Lincoln (University Farm)	0.87	0.53	0.69	2.92	3.61	3.31	1.26	3.59	1.13	0.50	3.27	0.18	21.86
Lodgepole	0.35	0.58	0.20	2.44	5.59	1.79	2.41	4.73	1.37	1.25	0.70	0.25	21.66
Loup City	0.51	0.15	0.22	5.12	3.26	4.44	1.02	3.19	4.00	4.63	2.29	0.16	28.99
Lyman	0.68	0.52	0.39	3.03	2.65	1.50	0.15	6.10	4.51	2.99	0.39	0.07	22.98
Lynch	1.00	0.00	0.37	4.49	4.13	4.18	0.12	2.82	2.95	2.38	2.55	0.12	25.11
McCook	1.10	0.82	0.12	4.43	4.75	3.77	8.70	2.22	2.68	6.66	2.61	0.40	38.26
McCool Junction	1.30	0.25	0.38	4.35	5.52	3.10	1.00	6.57	0.56	0.73	2.56	0.20	26.52
Madison	0.82	0.25	0.70	3.86	6.49	3.50	1.60	2.43	1.44	2.61	2.10	0.27	26.07
Madrid	0.90	0.41	0.00	1.49	7.90	2.72	1.53	4.71	1.09	4.26	2.46	T.	27.47
Mary	0.46	0.38	0.15	3.87	4.36	5.07	1.27	4.43	0.05	4.59	1.60	0.15	26.38
Mason City						4.22	0.97	5.44	1.92	5.34	2.63	0.40	
Merriman	0.76	0.92	0.69	2.95	4.45	2.52	1.95	2.25	1.16	2.02	1.05	T.	20.72
Minden	0.25	0.40	T.	4.96	5.04	5.31	0.97	4.52	2.34	4.49	2.53	0.25	31.06
Mitchell (near)	0.16	0.39	0.11	2.78	3.87	1.53	0.26	5.70	3.45	2.33	0.30	0.08	20.96
Mullen	0.39	0.49	0.61	3.75	6.75								
Nebraska City	1.66	0.75	0.64	2.53	3.94	4.45	1.84	3.27	2.65	0.75	2.62	0.33	25.43
Neligh	1.12	0.13	0.30		6.88	2.45							
Nelson	1.60	0.34	0.17	2.70	5.65	3.77	0.47	2.54	0.50	1.84	2.03	0.24	21.85
Nenzel (near)	0.63	0.41	0.80	2.35	3.75	1.36	3.26	2.02	1.39	2.65	1.71	0.22	20.55
Newport	0.40	0.08	0.22	4.58	3.82	2.63	1.35	2.72	0.59	3.52	2.08	0.22	22.21
Norfolk	0.78	0.38	0.80	4.40	6.30	3.55	0.37	5.47	1.86	2.60	2.99	0.27	29.77
North Loup	0.90	0.04	0.27	8.29	4.43	5.12	1.04	4.86	2.14	3.17	2.08	0.30	32.64
North Platte	0.51	0.24	0.29	3.46	6.10	4.06	0.60	1.72	1.52	4.15	1.93	0.17	24.75
Oakdale	0.87	0.23	0.36	4.01	7.30	2.03	0.67	3.42	2.02	2.31	2.41	0.25	25.88
Ogallala	0.93	0.40	T.	1.25	7.65	2.95	1.30	3.02	0.99	2.97	0.90	T.	22.36
Omaha	1.73	0.21	0.65	2.37	2.74	1.56	1.03	6.28	0.65	0.81	2.17	0.15	20.35
O'Neill	0.95	0.32	0.66	4.14	2.24	2.41	0.36	1.39	0.84	2.31	2.37	0.11	18.10
Ord	0.78	0.21	0.29	5.59	4.44	5.35	0.97	3.89	3.20	3.83	2.42	0.21	31.18
Orleans	0.80	0.25	0.00	5.66	4.23	4.40	2.05	5.05	0.79	5.84	2.97	0.00	32.04
Osceola	0.97	0.25	0.60	3.93	6.00	6.39	0.73	3.51	1.23	0.59	2.40	0.00	26.60
Oshkosh	0.46	0.67	0.11	2.60	7.93	1.78	1.02	3.78	1.19	1.90	1.35	0.20	22.99
Osmond	0.44	0.12	0.51	3.21	4.55	3.16	T.	4.26	5.11	2.04	1.99	0.34	25.73
Pawnee City	0.70	0.40	0.70	2.87	3.94	3.58	1.66	6.71	1.32	0.36	3.43	0.23	25.90
Paxton	0.54	0.04	0.15	1.33	6.28	3.43	0.84	3.55	1.71	4.25	1.13	T.	23.25
Plattsmouth	1.20	0.20	0.87	1.65	3.79	5.79	1.51	3.08	1.07	1.01	2.70	0.10	22.97
Potter	0.62	1.21	0.46	2.22	4.27	0.65	1.75	3.64	0.80	0.79	1.02	0.28	17.71
Purdum	0.78	0.36	0.68	4.81	3.87	6.32	0.82	2.12	0.28	3.95	1.62	0.46	26.07
Ravenna	0.90	T.	0.22	5.08	4.29	4.86	1.60	4.11	2.48	2.62	2.43	0.15	28.74
Red Cloud	1.76	0.45	0.23	4.01	5.01	2.82	0.83	2.12	0.92	2.34	1.42	0.37	22.28
St. Paul	0.26	0.10	0.15	5.21	5.30	5.17	3.48	3.60	1.32	1.94	1.37	0.12	28.62
Santee	1.15	0.15	0.26	2.88	5.20	2.63	0.04	6.14	1.02	2.40	1.63	0.14	23.64
Sappa Valley	[0.50]	0.32	0.19	3.86	3.79	5.67	3.59	7.25	1.46	4.12	2.06	0.44	33.24
Schuyler	0.78	0.26	0.47	3.31	5.16	3.78	2.08	5.74	1.69	1.14	3.07	0.30	27.78
Scottsbluff	0.67	0.22	0.22	1.73	4.04	1.28	0.47	3.95	1.81	1.89	0.81	0.17	17.26
Seward	1.35	0.26	0.87	3.38	10.13	3.84	1.30	4.81	1.79	0.66	3.47	0.23	32.09
Sheep Creek Camp No. 5	0.54	0.50	0.13	3.51	4.65	0.37	0.56	4.00	2.83	3.92	0.15	0.11	21.32
Sidney	0.69	0.33	0.22	2.97	5.80	0.76	4.13	4.24	0.88	2.64	1.05	0.10	23.82
Sidney (near)	1.20	1.15	0.56	3.65	4.96	2.26	2.79	6.03	0.72	2.44	1.72	0.30	27.77
Springview	0.45	0.13	0.14	4.38	2.75	4.17	1.30	1.17	1.08	3.37	1.64	0.24	20.82
Stanton	0.80	0.25	0.77	3.32	5.61	3.88	2.43	4.79	1.27	2.25	2.11	0.30	27.78
Stapleton	0.61	0.22	0.31	5.07	5.37	3.75	0.60	3.88	1.04	4.82	1.80	0.17	27.64
Stratton	0.30	0.14	0.40	2.97	4.76	2.77	4.41	2.45	1.45	4.40	1.70	0.20	25.95
Sutherland	0.44	0.05	0.14	1.66	5.37	4.11	0.56	4.57	1.88	4.84	1.02	0.10	24.74
Syracuse	1.30	0.35	0.74	2.18	2.47	3.33	1.19	5.77	3.64	1.39	2.41	0.13	24.95
Table Rock	0.98	0.63	1.22	2.27	3.96	4.81	0.76	6.55	1.79	0.23	2.70	0.27	26.17
Taylor	0.35	0.18	0.60	4.98	3.54	4.13	0.62	5.34	0.56	3.27	1.97	T.	25.54
Tecumseh	1.25	0.81	1.32	2.93	4.32	3.00	0.62	7.39	2.13	0.87	3.40	0.45	28.49
Tekamah	0.85	0.34	0.68	2.52	3.28	3.54	2.23	5.10	1.28	1.04	3.46	0.25	24.57

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Nebraska—Continued													
Upland	0.70	0.85	0.25	3.82	5.13	3.64	1.42	2.20	[1.85]	3.42	2.65	0.72	26.65
Utica	0.59	0.19	0.49	3.54	6.62	3.56	0.48	5.97	1.52	0.70	3.36	0.17	27.19
Valentine	0.77	0.70	1.04	4.69	3.82	1.34	2.90	2.31	0.54	2.88	1.26	0.18	22.43
Virginia	0.81	0.58	1.07	2.84	3.54	2.20	0.74	5.43	0.80	0.62	2.56	0.40	21.59
Wahoo	0.93	0.40	0.40	3.48	6.60	2.47	0.89	9.71	1.67	1.02	2.13	0.10	29.80
Wakefield	0.60	0.30	T.	2.53	6.78	2.15	0.20	2.56	1.24	1.33	2.32	0.32	20.33
Walthill	0.40	0.22	0.75	2.66	4.98	3.70	0.90	2.96	1.70	1.14	2.22	0.22	21.85
Watertown	0.80	0.30	0.20	5.79	6.38	5.12	1.33	3.50	1.61	5.01	2.43	0.00	32.47
Wauneta	1.05	0.56	0.35	3.03	6.13	2.19	4.71	3.96	0.61	3.95	1.50	0.15	28.19
Weeping Water	1.35	0.46	0.66	2.71	3.10	4.45	0.90	4.84	1.42	1.64	2.87	0.22	24.62
Western	0.90	0.37	0.34	3.06	3.48	2.33	0.58	8.13	1.94	0.69	2.74	0.34	24.90
Westpoint	0.64	0.33	0.33	3.11	7.35	3.04	0.62	9.77	1.32	1.26	2.66	0.26	30.69
York	0.98	0.23	0.41	4.06	7.31	4.04	0.52	5.10	0.74	0.60	2.28	0.10	26.37
Nevada													
Alamo	1.08	0.19	1.25	1.43	1.64	0.00	0.37	1.24	0.03	0.99	0.82	0.00	9.04
Arthur	3.78	1.18	1.10	1.53	4.24	0.12	0.09	2.93	1.91	1.43	2.31	0.69	21.31
Austin	1.66	1.38	1.38	1.74	5.03	0.37	0.67	1.76	0.42	0.85	1.36	0.05	16.67
Battle Mountain	1.50	0.85	0.60	0.93	3.64	0.00	0.00	0.50	0.59	0.38	2.44	T.	11.43
Beatty	1.12	0.36	0.55	0.24	0.31	0.00	T.	T.	0.00	0.15	T.	0.00	2.73
Beowawe	1.77	0.13	0.25	2.20	7.44	0.18	T.	0.35	0.35	0.35	0.83	0.16	14.01
Caliente	2.31	0.25	------	T.	------	------	------	------	------	------	1.00	0.00	------
Carson City	2.05	1.48	0.76	0.61	0.80	0.00	0.01	0.25	1.22	0.25	1.59	0.00	9.02
Clay City	0.20	0.15	0.94	0.23	0.60	0.00	0.00	0.45	0.00	[0.00]	T.	0.00	2.57
Clover Valley	2.04	0.97	0.49	0.40	1.97	0.22	0.52	2.15	0.83	1.07	1.40	0.15	12.21
Elko	3.27	0.94	0.33	0.72	2.13	0.12	0.22	0.44	1.01	1.30	2.80	0.02	13.30
Eureka	0.53	0.80	0.39	1.59	2.09	0.17	0.00	------	------	------	------	0.20	------
Fallon	0.45	0.34	0.36	0.47	2.28	0.00	0.10	0.10	0.67	0.30	1.07	0.00	6.14
Gerlach (near)	0.76	0.49	0.67	T.	1.80	0.00	T.	0.31	2.06	0.45	0.53	0.00	7.07
Goldconda	1.23	0.13	0.30	0.40	2.76	0.42	0.03	0.98	0.53	0.03	1.15	0.04	8.00
Gold Creek (near)	------	------	------	1.23	2.54	[0.40]	0.08	1.90	1.60	1.65	3.38	------	------
Goldfield	0.58	0.20	0.53	0.30	0.68	0.00	0.01	0.26	T.	0.02	0.40	0.00	2.98
Hylton	2.09	1.37	0.48	0.97	2.80	0.48	0.46	1.93	1.07	1.63	1.85	0.04	15.17
Imlay	1.12	T.	T.	0.15	1.80	0.80	T.	T.	0.20	0.70	0.60	T.	5.37
Kimberly	1.89	2.02	0.82	0.60	3.25	0.35	0.01	2.27	0.44	1.20	0.94	0.00	13.79
Lahontan	0.37	0.53	0.49	0.43	1.54	0.00	0.05	0.05	0.62	0.38	0.28	0.00	4.74
Lamoille (near)	1.15	1.95	0.93	2.48	4.41	0.38	0.19	2.26	1.76	2.50	1.10	0.41	19.52
Las Vegas	0.90	T.	0.40	0.15	0.70	0.10	0.70	0.10	0.00	0.45	0.47	0.00	3.97
Lewers Ranch	5.49	3.42	0.97	1.09	1.10	T.	0.00	0.51	1.02	0.57	5.13	T.	19.30
Logandale	1.60	0.08	0.45	0.06	0.32	0.01	0.10	0.65	T.	0.67	0.29	0.00	4.23
Lovelock	0.61	0.13	0.27	0.12	1.80	0.00	0.00	0.19	0.42	0.35	0.62	0.00	4.51
McGill	0.29	1.92	0.77	1.08	3.16	0.20	0.53	1.16	0.97	1.60	1.03	0.07	12.78
Mahoney Ranger Station	1.21	1.71	1.08	1.60	3.33	0.35	0.25	0.80	2.23	------	------	------	------
Marlette Lake	5.46	4.72	3.23	2.17	2.74	0.00	0.05	0.51	1.52	0.67	3.82	0.23	25.12
Millett	1.03	0.35	0.47	1.40	0.61	T.	T.	1.63	[0.37]	[0.60]	[0.57]	0.00	7.03
Mina	0.53	0.00	0.30	0.00	2.00	[0.00]	0.00	0.00	0.05	0.00	0.00	0.00	2.88
Minden	1.51	0.74	1.12	1.09	1.50	0.00	0.00	0.19	1.52	0.19	1.01	0.00	8.87
Montello	0.84	0.22	0.26	0.06	1.41	T.	0.45	2.07	0.52	0.70	0.98	0.15	7.66
Nixon	0.25	0.37	0.10	0.89	1.12	0.00	0.23	0.20	2.49	1.15	0.93	0.00	7.73
North Fork	1.45	0.55	0.34	1.00	2.07	0.53	T.	1.42	0.66	0.40	3.50	0.15	12.07
Orovada	2.17	0.82	0.88	0.89	2.48	0.80	0.08	0.17	0.51	0.66	1.42	T.	10.88
Owyhee	2.12	0.63	0.20	1.17	2.41	------	------	------	0.80	0.89	------	0.22	------
Paradise Valley	1.60	0.63	0.94	0.30	2.38	0.08	0.02	0.36	0.17	0.42	2.13	0.04	9.07
Reno	1.42	0.41	0.55	0.66	0.43	T.	T.	0.48	1.15	0.07	1.07	T.	6.24
Sand Pass (near)	1.01	0.44	0.50	0.45	1.25	0.08	T.	0.09	2.65	0.44	0.45	0.00	7.36
San Jacinto	0.73	0.15	0.15	0.51	3.27	0.46	0.86	2.22	[1.41]	[1.27]	2.25	0.05	13.33
Schurz	0.45	0.41	0.56	1.13	2.29	0.10	0.23	0.40	1.58	0.41	0.58	0.00	8.14
Searchlight	1.10	0.20	0.40	0.20	0.30	0.20	0.10	1.20	0.00	0.30	0.00	0.00	4.00
Sharp	2.15	1.67	1.54	1.33	2.73	0.22	0.20	1.20	0.17	0.80	1.15	0.00	13.16
Simon	0.84	0.52	0.76	0.94	3.09	T.	0.37	0.66	0.61	0.13	------	------	------
Smith	1.44	0.65	0.32	0.74	1.59	0.00	0.51	0.46	0.64	0.30	0.44	0.04	7.13
Sulphur	0.79	0.35	0.07	0.47	2.56	T.	T.	0.25	0.59	0.50	0.57	0.00	6.15
Thorne	0.16	0.00	0.25	0.13	1.61	0.00	0.10	0.05	1.36	0.41	0.00	0.00	4.07
Tonopah	0.35	0.12	0.68	0.74	0.71	0.12	0.31	1.29	0.02	0.06	0.20	0.00	4.60
Tuscarora (near)	2.00	0.80	1.18	2.33	3.57	0.83	0.29	1.01	0.81	0.77	1.96	0.60	16.15
Winnemucca	2.29	0.61	0.68	0.34	2.54	0.06	0.04	0.38	1.06	0.26	1.28	0.06	9.60
Yerington	0.50	0.15	0.22	1.23	2.16	0.00	0.20	0.11	1.65	0.00	0.44	0.00	6.66
Zorra Vista Ranch [1]	0.64	0.77	0.57	0.32	1.66	0.11	T.	0.09	1.73	0.50	0.63	0.00	7.02
New Hampshire													
Arlington Mills	1.70	1.52	3.81	1.62	3.13	3.58	5.40	------	0.94	2.96	2.60	1.26	------
Berlin	2.58	1.60	3.73	1.64	5.40	2.82	4.04	3.25	1.35	3.77	2.10	1.26	33.54
Bethlehem	0.85	0.87	1.35	0.97	3.16	3.84	3.95	1.98	0.83	2.09	1.41	1.01	22.31
Concord	1.46	0.87	4.34	1.29	2.92	1.89	2.47	2.82	1.00	2.76	3.14	1.14	26.10
Durham	2.16	2.05	4.57	1.56	2.94	3.20	3.71	2.21	1.25	3.44	3.76	1.36	32.21
Errol	3.02	1.67	------	1.55	5.60	5.99	5.59	2.89	2.89	2.23	2.64	1.18	------
Fitzwilliam	2.57	2.10	4.40	1.58	3.52	3.62	4.98	2.96	2.22	2.62	3.75	1.27	35.59
Franklin	2.75	0.94	5.86	1.36	3.39	3.15	2.77	3.38	1.10	2.52	2.79	0.89	30.90
Glencliff	2.03	1.55	4.97	2.71	3.94	4.74	4.79	3.50	1.57	3.18	2.84	1.10	36.92
Hampton	2.39	1.93	4.60	1.44	3.60	1.99	3.31	1.93	1.26	3.98	4.63	2.04	33.10
Hanover	1.95	0.66	2.87	0.83	2.83	3.02	4.22	3.06	1.53	2.05	2.56	1.66	27.24
Jefferson	------	------	------	------	------	------	------	------	------	------	------	1.85	------
Keene (a)	2.57	1.57	4.49	1.02	3.59	2.83	3.69	2.18	2.02	2.23	2.84	1.20	30.23
Keene (b)	2.73	1.18	------	1.17	3.96	3.74	3.80	3.20	1.97	2.41	3.18	1.18	------
Lakeport	2.82	1.59	6.18	1.42	3.76	2.87	3.88	4.33	1.37	2.71	3.14	0.94	35.01
Lancaster	3.13	2.29	------	------	------	------	------	------	1.21	2.71	2.22	1.85	------
Lincoln	3.66	2.23	5.31	1.93	3.97	5.36	5.85	4.49	1.81	2.84	2.60	1.57	41.62
Littleton	2.75	1.91	2.47	1.35	4.17	------	------	------	1.09	2.76	2.20	1.59	------
Manchester	2.43	1.34	4.49	1.41	3.17	4.43	3.09	3.07	1.05	3.10	3.38	1.47	32.43
Milan	2.69	2.11	3.85	------	4.20	3.08	4.85	1.68	1.95	2.42	2.36	1.70	------
Nashua	2.17	1.62	4.11	1.47	2.99	1.88	5.12	2.22	0.98	3.75	3.27	1.42	31.00
New Durham	2.69	2.50	5.59	1.82	3.92	4.35	3.47	3.46	0.74	2.75	3.94	0.90	36.13
Newport	2.24	1.42	4.94	0.94	3.02	2.29	2.26	4.49	1.10	2.65	2.13	1.39	28.87
Pinkham Notch	------	3.17	8.56	3.97	6.18	8.54	8.06	7.30	1.35	4.90	3.73	1.98	------

[1] Name changed from Rye Patch.

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
New Hampshire—Continued													
Pittsburg (a)	3.17	1.85	4.19	2.36	7.34	5.71	3.85	2.46	4.22	2.00	3.45	1.42	42.02
Pittsburg (b)	3.82	2.17	4.77	2.33	6.79	7.35	4.69	3.15	4.02	2.47	3.01	3.20	47.77
Plymouth	2.88	1.32	5.07	2.17	2.37	5.08	4.60	4.65	1.01	2.49	2.01	1.11	34.76
Waterville						4.30					2.58		
West Stewartstown	2.87	1.26	2.65	1.03	5.13	3.87	2.89	2.73	3.28	1.98	1.80	1.47	30.96
Woodsville	1.82	1.18	2.61	1.15	2.84	3.71	4.55	3.77	1.52	2.97	2.27	1.13	29.52
New Jersey													
Asbury Park	3.76	5.13	0.44	0.50	[2.40]	2.69	5.28	2.92	1.53	2.46	4.81	3.00	34.92
Atlantic City	3.75	2.07	1.30	2.00	1.95	5.04	4.19	2.55	0.89	2.43	2.74	2.27	31.18
Bayonne	[2.62]	3.55	2.12	2.71	2.81	2.83	4.27	3.20	2.52	1.49	6.54	2.55	37.21
Belleplain	3.82	2.17	2.05	1.84	2.51	4.38	1.85	3.09	1.05	2.00	2.22	2.92	29.90
Belvidere	2.82	2.12	3.80	3.28	3.89	4.00	2.45	3.37	1.61	2.52	3.37	3.92	37.15
Boonton	2.49	1.84	2.50	2.41	2.44	4.32	3.00	2.81	2.82	0.93	4.67	2.57	32.80
Bridgeton				2.27	1.54	3.12	1.91	2.31	2.08	1.98	2.25	1.58	
Burlington	3.10	4.01	3.03	1.75	2.96	3.43	4.01	4.17	1.87	2.66	3.36	3.13	37.48
Canoe Brook												2.97	
Cape May	3.50	1.07	1.42	1.54	2.00	3.20	2.77	1.92	2.12	2.46	2.15	1.97	26.12
Charlotteburg	3.31	1.83	3.55	3.72	2.30	5.67	3.80	3.92	1.99	1.31	4.29	2.92	38.61
Chatham	3.64	2.90	3.22	3.23	4.50	5.47	5.14	4.40	3.85	1.29	4.96	3.82	46.42
Clayton										1.63	2.48	1.73	
Culvers Lake	1.80	1.95	3.02	2.75	3.96	5.45	2.36	3.11	2.91	1.25	3.31	2.49	34.36
Dover	3.17	2.19	3.58	3.06	2.82	5.36	3.55	3.14	2.93	1.48	4.71	2.86	38.65
Elizabeth	2.64	3.53	2.70	2.83	2.50	2.92	4.05	3.00	4.14	1.44	4.82	2.99	37.36
Flemington	2.72	2.66	3.12	2.39	2.21	3.82	5.51	2.50	1.31	2.12	3.29	3.08	34.73
Hammonton										3.70	1.69	2.62	
Hightstown	3.04	3.51	3.11	2.20	2.41	4.59	6.45	3.37	1.37	2.02	2.86	2.29	37.22
Indian Mills	3.64	3.78	2.35	1.72	3.54	4.38	2.84	3.73	1.74	3.03	2.07	3.33	36.15
Jersey City	2.65	3.54	2.27	2.29	2.83	2.68	4.07	3.30	1.77	1.77	5.53	2.65	35.35
Lakewood	3.32	4.19	2.40	2.35	2.93	3.90	5.29	2.55	1.60	2.53	3.60	2.59	37.25
Lambertville	2.72	3.22	3.20	3.43	3.21	3.86	4.43	3.13	1.05	2.45	3.08	2.85	39.63
Layton	2.07	1.70	3.17	2.69	2.23	4.48	2.67	4.13	4.36	2.41	3.00	2.95	35.86
Little Falls	2.88	2.28	2.65	3.25	3.20	5.04	4.25	5.43	2.78	1.29	6.18	3.06	42.29
Long Branch	3.45	3.48	3.31	2.05	2.34	5.41	6.08	1.97	1.59	1.79	4.13	1.52	37.12
Long Valley						3.67	2.33	3.07	1.81	2.00	5.70	2.85	
Moorestown	3.03	3.80	2.33	1.43	3.09	6.48	4.70	2.78	2.61	2.24	2.18	2.27	36.94
New Brunswick	2.65	3.00	2.31	2.18	2.54	4.39	4.08	2.88	1.43	1.77	3.27	2.40	32.90
New Milford	2.43	2.04	2.38	2.73	2.98	3.78	3.55	4.75	2.33	1.48	5.70	2.61	36.76
Newton	2.14	1.82	2.47	2.97	2.88	4.30	2.85	3.85	1.18	2.22	3.60	2.40	32.68
Northfield	4.00	1.96	1.21	1.99	2.02	4.19	4.59	2.18	0.44	2.23	1.41	2.39	28.61
Paterson	2.95	1.95	2.49	3.04	3.05	4.72	2.98	4.88	2.40	1.10	6.45	2.25	38.26
Pemberton	2.81	3.59	1.95	1.52	2.61	5.99	4.02	3.42	1.40	1.73	1.69	2.54	33.27
Phillipsburg	2.30	2.75	3.17	2.63	3.32	3.44	5.41	2.04	2.00	2.31	3.05	2.95	35.37
Plainfield	2.69	3.21	3.10	2.39	2.60	4.38	5.65	2.70	4.96	1.31	4.44	2.36	39.79
Pleasantville	4.03	2.46	1.77	1.96	2.03	2.46	4.37	3.29	0.67	2.50	1.87	2.94	30.35
Ridgefield	2.46	2.61	2.35	2.58	2.77	2.65	3.62	4.40	2.24	1.80	4.68	2.49	34.65
Runyon	2.27	3.64	2.68	1.90	2.38	3.81	4.66	2.91	1.60	2.26	3.75	2.94	34.80
Sandy Hook	2.81	3.63	1.68	2.08	1.83	3.32	3.94	2.94	3.33	1.89	4.10	2.09	33.64
Somerville	2.55	2.58	2.65	2.05	2.11	3.60	5.47	2.91	1.28	1.41	4.06	2.30	32.97
South Orange	2.31	2.13	3.17	2.71	4.30	3.67	4.07	3.48	2.23	1.46	5.59	3.20	38.32
Sussex	1.91	1.64	2.34	2.20	3.24	6.09	2.10	4.49	2.99	1.85	3.65	2.63	35.13
Trenton (Weather Bureau)	2.73	3.81	2.66	1.74	1.99	4.25	3.94	3.30	1.55	2.08	2.19	2.38	32.62
Trenton (No. 2)	3.00	3.85	2.98	1.97	2.20	4.15	4.27	3.31	1.78	1.98	2.21	2.52	34.22
Tuckerton	3.17	2.90	1.91	1.59	2.93	4.43	4.33	2.58	2.78	2.66	2.62	1.92	33.62
Verona	2.80	2.22	2.79	2.78	3.03	4.18	4.50	3.45	1.62	1.30	5.13	3.19	36.99
Woodcliff Lake	3.10	1.97	2.90	2.92	3.42	3.66	3.37	5.58	3.19	1.61	5.70	3.02	40.44
New Mexico													
Abbott	0.15	T.	0.48	0.25	1.36	1.99	4.72	3.28	1.35	5.02	0.90	0.05	19.55
Agricultural College	0.15	0.02	0.02	0.30	0.13	0.29	2.07	1.10	0.62	0.44	1.07	0.67	6.88
Alamogordo (near)	0.40	0.05	0.06	0.14	0.47	0.22	2.91	2.13	0.28	1.21	1.28	0.55	9.70
Alamogordo (No. 2)	0.70	T.	0.10	0.03	0.43	0.05	1.34	2.23	0.08	0.65	1.62	0.47	7.70
Alamos Ranch	1.04	0.55	0.63	T.	1.55	1.16	6.67	1.52	1.50	1.45	0.80	0.05	16.92
Albuquerque	0.01	0.43	0.74	0.15	0.23	T.	4.45	1.09	0.36	0.31	0.50	0.04	8.31
Amistad (near)	0.30	0.00	0.48	0.39	1.21	1.14	1.72	1.64	1.33	3.61	0.35	0.10	12.27
Ancho	0.92	T.	1.13	0.00	0.41	0.85	2.43	2.35	1.53	0.72	0.64	0.56	11.54
Animas	0.93	0.72	1.40	0.15	0.05	0.40	4.60	3.05	0.00	0.41	1.77	1.00	14.48
Arabela (near)	[0.62]	[0.41]	0.85	0.75	[0.66]	2.15	4.42	3.35	2.99	4.01	0.20	0.29	20.70
Arch	0.30		0.53	2.03	1.53	0.76	1.74	2.33	0.47				
Artesia	0.18	0.00	0.12	1.08	2.78	1.85	0.61	1.29	0.06	4.28	0.07	0.19	12.51
Aspen Grove Ranch	4.28	0.93	1.94	0.53	1.57	0.08	5.89	3.03	0.91	0.92	1.82	0.03	21.93
Augustine	1.18	0.20	1.10	0.30	0.40	0.18	4.45	0.85	0.60	0.50	[0.41]	[0.10]	10.27
Aurora	0.82	0.69	1.75	0.95	3.08	0.72	4.74	2.95	1.61	3.66	1.12	0.11	22.23
Aztec	0.92	0.12	0.35	0.10	0.20	T.	1.55	1.40	0.50	0.00	0.74	T.	5.88
Batemans Ranch	1.61	[0.50]	2.14	0.82	1.38	0.66	4.99	3.99	0.76	0.81	1.61	0.26	19.52
Bell Ranch	0.18	0.00	0.17	0.54	1.17	2.88	3.28	1.18	0.51	2.93	0.64	0.21	13.69
Bellview	0.42	T.	1.13	1.12	0.14	2.32	3.32	2.09	1.52	3.95	0.55	0.10	16.66
Black Lake	0.85	0.61	1.16	0.47	2.09	1.12	4.62	2.91	0.83	1.76	0.96	0.14	17.52
Blackrock	0.75	0.61	1.03	1.16	0.77	0.55	1.71	1.70	0.10	0.22	1.58	0.19	10.37
Blakely Ranch	0.10	0.00	0.46	0.42	2.22	1.19	4.02	2.60	1.74	2.90	0.45	0.00	16.10
Bloomfield	1.19	0.36				T.	0.63	1.91	0.09	0.10	0.57	0.00	
Bluewater	0.29	0.09	0.27	0.81	0.25	0.37	2.33	1.92	0.59	0.07	0.21	0.23	7.42
Bluewater Dam	1.15	0.64	0.70	0.47	0.43	0.29	3.18	2.50	0.46				
Boaz	0.22	T.	0.71	0.54	0.33	0.79	0.51	1.43	0.60	5.26	1.13	0.48	12.09
Bueyeros	0.24	T.	0.34	1.09	2.89	1.38	3.95	1.55	2.08	4.81	[0.30]	0.15	18.78
Cambray	T.	0.00	0.22	0.00	0.00	0.60	2.36	0.83	0.05	0.13	0.48	0.83	5.30
Capitan	0.57	0.43	1.06	0.75	0.52	0.05	5.26	2.81	0.83	1.19	0.82	0.23	14.52
Caprock	0.38	T.	0.46	1.88	0.60	1.38	1.12	3.61	0.55	1.91	0.33		
Capulin Ranger Station	1.02				1.21	0.12	4.91	1.27	1.10	0.50			
Carlsbad	0.05	0.00	0.15	0.29	0.52	3.03	0.80	0.86	2.63	1.23	0.52	0.37	10.45
Carlsbad Cavern		0.00	0.03	0.33	0.90	1.10	0.47	1.68		2.90	0.92	0.57	
Carrizozo	1.04	0.72	1.35	0.10	1.00	0.64	3.58	3.68	0.36	0.92	1.56	0.49	15.44
Carson Seep Ranger Station	0.64	0.20	0.39	0.81	2.75	1.50	[1.50]	2.54	0.17	1.74	1.16	1.13	14.88
Chacon	0.90	0.92	1.61	0.50	1.97	0.60	5.18	4.35	1.28	2.10	0.68	0.28	20.37
Chama	2.74	0.15	1.39	0.93	0.91	0.50	4.59	2.93	0.95	0.90	1.55	0.12	17.66

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
New Mexico—Continued													
Chamberino	0.00	0.29	0.05	0.36	0.15	0.74	0.98	0.96	0.00	0.94	0.92	0.47	5.86
Chloride Ranger Station	[0.51]	0.12	1.31	0.15	0.47	0.58	4.25	4.32	0.63	0.00	0.57	0.35	13.26
Cimarron	0.34	T.	0.94	0.75	3.27	0.87	3.42	1.80	1.83	5.56	0.59	0.04	19.41
Clayton	0.19	T.	0.54	0.20	2.95	1.24	1.74	0.66	4.44	5.15	1.00	0.01	18.12
Cliff											0.84	0.37	
Cloudcroft	1.62	0.44	1.05	0.58	3.98	0.97	4.95	5.03	1.68	1.64	2.86	1.01	25.81
Cloverdale	2.55	1.02	3.72	0.15	T.	0.38	5.33	5.74	0.48	1.00	2.56	2.38	25.31
Clovis	0.31	T.	0.48	2.42	1.05	2.03	8.48	1.66	1.74	1.19	0.80	0.56	20.72
Colmor (near)	0.06	0.00	0.22	0.80	2.49	4.68	4.04	2.24	2.45	3.17	0.97	0.04	21.16
Columbus	0.28	0.47	0.23	0.15	0.00	0.08	1.14	1.10	0.00	0.27	0.77	0.20	4.69
Corona	1.04	0.12	1.96	0.91	0.45	2.77	1.86	1.57	0.09	2.23	1.26	1.31	15.57
Cousins (near)							2.98	2.97	0.00	0.30	2.40	0.03	
Coyote	0.42	0.15	0.20		0.30	0.00	2.90	0.60					
Crossroads	0.26	0.00	0.79	2.11	1.68	2.00	1.16	4.47	0.35	3.82	0.49	1.02	18.15
Crown Point	0.64	0.53	0.52	0.40	0.03	T.	2.60	0.76	0.35	0.08	1.05	0.32	7.28
Cuervo	0.05	0.00	0.20	T.	2.65	0.55	3.72	2.20	0.00	3.80	0.80	0.50	14.47
Culberson Ranch	0.75	1.20	1.52	0.15	T.				0.00	0.80	1.98	1.90	
Datil	0.95	0.14	0.98	0.37	0.14	0.20	2.91	1.88	0.91	0.21	0.41	0.10	9.20
Dawson	0.42	T.	1.17	0.64	3.40	0.47	3.01	1.07	0.99	4.39	0.50	0.12	16.18
Deming	T.	0.52	0.83	T.	0.45	T.	3.67	1.84	T.	0.07	0.48	0.85	8.71
Des Moines	0.34	0.10	1.22	2.16	3.06	0.26	4.47	2.87	3.63	3.71	0.95	0.25	23.02
Doretta	0.68	0.20	1.07	0.89	2.58	1.17	3.24	1.17	2.06	2.40	1.17	0.38	17.01
Dulce	2.21	0.16	0.40	0.98	1.17	0.02	4.60	1.85	0.53	0.67	1.60	T.	14.19
Dunagan Ranch			2.74	0.69	0.12	0.33	3.84	3.77	0.15	0.67	1.49	1.11	
Duran	0.53	0.50	0.66	0.65	1.15	1.00	2.57	3.52	0.45	0.95	0.55	0.27	12.80
Eagle Rock Ranger Station	0.65	0.27	1.35	0.67	2.22	T.	5.18	2.09	1.21	1.37	1.21	0.45	16.67
Elephant Butte Dam	0.03	0.00	0.73	0.71	0.73	0.31	1.11	3.83	0.07	0.00	0.69	0.61	8.82
Elida	0.15	0.00	0.53	1.02	0.64	1.73	1.93	3.00	4.17	3.00	0.83	0.55	17.55
Elizabethtown	1.35	0.88	2.26	0.70	1.30	0.30	5.60	4.00	0.50	0.90	0.80	0.40	18.99
Elk (near)	0.18	T.	0.49	1.15	0.94	1.46	[3.03]	[1.04]	[0.06]	2.63	0.66	0.26	11.90
El Rito	0.85	0.12	0.51	0.25	1.16	0.32				0.55	0.59	0.05	
Estancia (near)	0.20	0.03	0.51	0.35	1.00	0.48	5.30	0.95	0.29	1.02	0.42	0.22	10.77
Eunice	0.82			0.50	0.40	2.98	0.00	3.00	0.00	1.88	0.25		
Farmington	0.52	0.20	0.87	0.27	0.27	0.00	2.10	1.04	0.37	0.00	0.63	0.00	6.27
Field (near)	0.19	0.00	0.32	0.68	0.07	2.20	3.48	2.50	0.92	10.47	0.71	0.22	21.76
Florida	0.19	0.21	0.53	0.02	0.00	0.08	3.01	4.49	0.00	0.00	1.03	0.92	10.48
Floyd	0.30	0.00	0.34	0.52	0.30	1.60	2.21	1.32	0.80	3.83	0.62	0.44	12.28
Fort Bayard	0.51	0.30	1.60	0.49	0.75	0.72	5.74	4.80	3.27	0.03	1.30	1.06	20.57
Fort Stanton	0.67	0.39	1.05	0.54	0.80	1.11	4.29	1.61	0.03	1.69	0.82	0.26	13.26
Fort Sumner	[0.36]	T.	0.47	0.54	1.49	1.58	4.27	4.37	1.41	2.89	1.19	0.12	18.69
Frijoles Canyon	0.58					0.51	7.24	1.61	0.71	0.68	0.15	0.03	
Gage	T.	0.19	1.35	T.	T.	0.00	4.79	1.53	0.00	0.10	0.70	1.09	9.75
Gallegos (near)									1.53	2.13	0.71	0.25	
Gallinas Planting Station	0.87	0.89	2.13	1.04	2.76	1.54	6.92	4.52	2.51	[3.25]	0.94	0.27	27.64
Gallinas Ranger Station			1.10	0.27	3.18	0.14	2.39	1.73	1.07	1.68	0.91	0.42	
Gamerco	1.18	0.40	0.64	0.73	0.24	0.44	1.94	1.45	0.29	0.24	1.26	0.09	8.90
Gavilan (near)	2.15	0.45	0.81	1.71	1.12	0.41	2.83	2.69	0.38	0.76	1.59	0.06	14.96
Glenrio	0.44	T.	0.51	0.90	0.36	1.65	2.93	1.13	0.82	5.11	0.51	0.36	14.72
Grady (near)						2.47	3.92	2.57	1.21	4.62	0.67	0.33	
Grahams Ranch	0.00	0.00	0.37	0.40	0.15	0.04	1.65	0.97	0.30	0.25	0.50	0.60	5.23
Hachita	0.74	1.00	1.37	T.	0.00	0.00	4.58	3.89	0.00	0.44	1.26	1.29	14.57
Hassell	0.42	0.00	0.23	0.15	0.60	2.58	3.22	1.84	0.00	[3.89]	0.86	0.00	13.79
Hayden (near)	0.27	T.	0.40	0.79	2.54	2.91	2.14	2.02	1.90	4.88	0.12	0.03	18.00
Hermanes	0.79	0.36	0.60	0.15	0.22	0.26	3.55	2.68	0.03	0.67	0.80	1.34	11.45
Hillsboro	0.00	0.15	0.79	0.00	0.45	0.63	2.97	0.33	0.00	0.30	0.60	0.50	6.72
Hobbs	0.24	0.00	T.	0.03									
Hood Ranger Station	1.07	0.20	1.72	0.48	0.00	0.72	3.15	1.48	1.18	0.40	2.13	0.05	12.58
Hoosier Ranch	0.31	T.	0.42	0.49	4.52	0.90	3.81	1.78	3.96	5.15	0.61	0.18	22.13
Hope	0.28	T.	0.50	0.85	1.75	T.	1.77	0.46	0.10	3.24	0.37	0.32	9.64
Horse Springs	0.90	0.19	1.54	0.61	0.59	0.24	4.52	2.59	1.16	0.04	1.29	0.14	13.81
Ione	0.29	0.00	0.48	0.35	1.14	0.89	3.25	3.09	0.34	5.47	0.07	0.20	15.57
Isidore	0.45	0.00	0.31	0.22	1.82	2.20	3.47	2.59	0.05	5.26	0.82	0.45	17.64
Jemez Springs	0.81	0.29	1.45	0.40	0.73	0.33	5.19	4.14	0.52	0.47	0.35	0.19	14.87
Jewett Ranger Station	2.33	0.66	0.77	0.24	0.21	0.16	3.16	3.04	2.41	0.04	1.20	0.12	14.34
Jornada Range Reserve	0.23	0.07	0.11	0.03	0.05	0.49	1.46	1.54	0.03	0.27	0.72	0.73	5.73
Kingston	0.71	0.56	1.76	0.32	1.23	0.30	3.18	4.26	0.85	0.09	2.05	0.55	15.86
Laguna	0.22	0.06	0.37	0.38	0.03	0.10	4.08	0.75	0.79	0.22	0.14	0.00	7.14
La Jara Ranger Station	1.49	0.80	1.07	0.97	1.40	0.56	6.46	1.14					
Lake Alice (near)	0.59	0.27	1.48	1.25	3.73	1.85	3.97	3.99	2.93	5.67	1.90	0.50	28.13
Lake Avalon	T.	0.00	0.07	0.19	2.32	4.29	0.54	0.77	1.76	1.63	0.24	0.43	12.24
Lake Valley	0.19	0.15	0.57	0.12	0.07	0.12	3.74	1.75	0.98	0.33	2.07	1.35	11.44
Las Vegas	0.15	0.27	0.82	0.87	2.86	1.42	5.02	5.76	2.99	2.36	0.74	0.25	23.51
Lee Ranch	1.06	0.78	1.50	T.	1.02	0.88	7.91	3.18	1.56	0.38	0.66	0.29	19.22
Levy	0.25	0.00	0.83	0.40	2.60	2.40	3.05	4.25	2.32	4.67	1.45	0.18	22.40
Lindrith	1.92	0.14	0.24	1.79	1.40	0.18	3.60	1.62	1.15	0.48	2.38	0.17	15.07
Logan (near)	0.24	T.	0.34	1.25	1.41	4.95	3.46	2.18	1.88	3.06	0.62	0.33	19.72
Lordsburg	0.64	0.72	1.45	0.00	0.07	0.25	5.31	3.95	0.30	0.40	1.43	0.80	15.32
Los Griegos	0.03	0.34	0.01	0.10	0.31	0.20				0.00	0.47	0.32	
Los Lunas (near)	0.22	0.08	0.60	0.26	T.	T.	3.08	0.26	T.	T.	0.48	0.10	5.08
Loving	0.12	0.00	T.	0.10	1.52	1.07	0.84	1.57	0.22	2.36	0.12	0.55	8.47
Luna Ranger Station	1.92	0.30	1.60	0.20	0.48	0.51	2.94	1.77	1.57	0.70	1.07	0.25	13.31
Magdalena	0.68	0.15	0.65	0.50	T.	0.54	2.85	0.75	0.60	0.20	0.70	0.25	7.87
Maxwell			1.80	0.65	2.21		2.84	0.96	2.03	2.27	1.35	T.	
Mayhill Ranger Station	0.50	0.30	0.45	[0.72]	[1.44]	2.28	2.99	0.25	1.21	5.13	1.42	0.38	17.07
McGaffey Ranger Station	2.65	1.23	1.30	1.11	1.38	0.61	2.45	2.26	0.11	0.18	2.26	0.20	15.74
Melrose						2.04	1.65	2.06	2.10				
Mescalero	1.32	0.80	0.96	0.70	1.77	2.00	5.46	3.67	0.98	[1.49]	2.05	1.05	22.25
Miami	0.26	T.	0.87	1.25	3.50	1.64	5.48	1.19	1.89	3.41	1.00	T.	20.49
Mills	0.25	0.00	0.25	0.37	2.53	0.63	2.28	1.18	1.65	4.05	0.65	T.	13.84
Mimbres (near)	0.48	0.21	1.88	0.58	0.12	0.76	5.40	2.86	1.09	T.	1.38	0.77	15.53
Monte Prieto	0.85	0.35	1.15	0.50	0.83	0.78	4.73	3.75	1.55	1.37	0.30	0.51	16.67
Montoya	0.40	0.00	0.65	0.15	1.37	4.02	3.25	2.06	T.	3.20	1.35	0.34	16.79
Mosquero	0.32	T.	0.47	0.58	2.65	1.60	3.62	1.71	1.00	5.18	0.60	0.25	17.98
Mountainair	0.66	0.03	1.28	0.14	0.66	0.14	7.04	3.95	0.39	0.69	1.11	0.32	16.41
Nara Visa (near)	0.30	0.00	0.15	0.85	0.60	5.24	2.88	1.58	2.02	5.65	0.45	0.16	19.88
Nambe	[0.36]	0.26	0.83	0.40	0.35	0.59	3.82	0.25	1.14	0.23	0.77	0.00	9.00
Newman	0.12	0.00	0.00	0.19	0.45	1.05	1.42	0.21	T.	3.66	0.62	0.65	8.37

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
New Mexico—Continued													
Onava	0.26	0.13	0.70	0.99	2.79	1.16	5.50	1.50	0.95	1.30	0.35	0.19	15.82
Orogrande	0.45	T.	0.00	0.68	0.25	0.22	1.47	0.75	0.00	1.01	1.00	0.55	6.38
Palma	1.13	0.50	0.80	0.35	0.89	1.33	1.50	0.63	0.55	0.59	1.02	0.52	9.81
Palo Verde	0.17	T.	0.49	0.57	5.04	1.03	4.54	1.90	2.27	5.92	0.75	0.15	22.83
Park Springs Ranch	0.55	0.00	0.23	0.53	1.66	0.90	4.24	1.63	0.80	1.74	0.55	0.20	13.03
Pasamonte	0.26	0.00	0.63	0.55	1.37	1.30	0.56	2.06	1.00	1.63	0.70	0.00	10.06
Pastura	0.32	0.08	0.63	T.	0.69	0.99	3.15	1.38	0.79	2.68	0.32	0.04	11.07
Pearl (near)	0.18	0.00	0.00	0.84	0.15	2.29	0.00	1.27	0.00	4.18	0.44	0.90	10.25
Pecos Ranger Station	0.65	0.27	0.83	0.56	2.18	T.	5.58	2.87	[1.86]	1.86	0.61	0.20	17.47
Pedernal	0.35	0.17	0.56	0.52	0.78	0.67	5.05	1.28	0.58	0.42	0.71	0.55	11.64
Penasco	1.12	1.07	1.02	0.66	1.31	0.36	4.95	0.96	0.84	1.31	1.26	0.08	14.84
Pennington (near)	0.19	T.	0.48	0.39	3.19	1.02	1.86	2.98	1.01	9.85	0.64	T.	21.61
Pinos Altos (near)	1.38	0.15	2.22	0.59	0.12	0.55	6.09	4.24	1.75	0.16	1.19	0.94	19.38
Plainview (near)	0.35	0.00	0.17	1.03	0.55	1.89	0.90	2.52	0.17	2.06	0.39	0.72	10.75
Pleasant Hill					0.22	2.31	4.75	2.11	0.28	2.29	0.94	0.19	
Portales	0.23	0.00	0.16					2.20	4.06	1.47	0.55	0.90	
Porter	0.47	T.	0.60	0.86	0.85	3.39	2.81	0.73	0.31	11.95	1.11	0.59	23.67
Progresso (near)	0.20	T.			0.46	1.06	2.67	1.45	0.94	0.42	0.89	0.20	
Quay	0.76	0.00	0.16	0.05	0.10	1.59	3.17	1.37	0.88	2.79	0.70	0.24	11.81
Quemado (near)				0.99	0.70	0.12	4.28	2.62	0.46	0.45	1.58	0.05	
Ramah	0.45	0.19	0.08	0.74	0.78	T.	2.29	0.95			0.73	0.20	
Raton (near)	0.28	T.	0.69	0.78	2.17	1.70	4.58	1.92	1.95	5.95	1.80	0.80	22.62
Red River Canyon	1.93	0.93	2.48	1.37	1.59	0.25	7.20	4.08	0.90	0.97	1.26	0.13	23.09
Red Rock	0.64	0.05	1.16	0.33	0.13	T.	1.86	3.16	1.52	0.34	0.79	0.46	10.44
Regina	1.67	0.78	1.02	1.39	1.42	0.49	2.66	1.33	0.00	0.84	0.74	0.20	12.54
Rencona (near)	0.95	0.53	1.31	0.49	0.63	0.30	5.34	1.68	0.83				
Richland (near)	0.80	T.	0.39	1.26	0.65	1.40	1.65	2.22	1.50	1.50	1.35	0.74	13.46
Rodeo	1.13	0.52	1.64	0.06	0.00	1.14	4.86	3.04	0.21	0.28	1.79	0.89	15.56
Rosa (near)	1.51	0.35	0.84	0.51	0.92	0.11	2.69	2.04	0.15	0.46	0.81	0.00	10.39
Rosedale (near)	0.17	0.03	0.97	0.28	0.48	1.32	3.51	2.77	0.47	0.20	0.53	0.25	10.98
Roswell	0.26	T.	0.96	0.53	0.48	1.72	0.60	1.92	0.55	2.76	0.43	0.26	10.47
Roy	0.14	T.	0.70	0.50	5.12	0.73	4.89	2.63	3.67	4.17	0.80	0.15	23.50
St. Vrain	0.44	0.00	0.78	1.19	0.39	2.43	2.18	1.76	1.95	4.14	0.70	0.34	16.30
San Fidel	0.26	0.16	0.41	0.41	0.26	0.26	3.57	1.17	0.97	0.23	0.24	0.01	7.95
San Jon	0.23	0.01	0.45	0.05	0.59	2.71	3.02	1.22	0.79	7.54	0.64	0.10	17.35
San Marcial				T.	1.32	0.38	2.51	1.36	0.36	0.80	0.25	0.24	
Santa Fe	0.46	0.49	0.68	0.81	0.41	0.37	4.32	1.99	1.89	0.64	1.12	0.06	13.24
Santa Rosa	0.68	0.08	1.15	0.13	3.70	2.13	3.63	1.98	0.80	4.80	0.80	0.56	20.44
Selsor Ranch	1.49	1.02	1.79	1.63	1.85	0.02	5.24	2.60	1.09	0.60	1.27	0.20	18.80
Shiprock	0.41	0.16	0.36	0.95	T.	0.00	3.00	1.16	T.	0.00	0.49	0.00	6.53
Silver City	1.24	0.33	1.51	0.81	0.35	0.26	4.90	1.30	1.01	0.21	1.86	1.01	14.79
Skeleton Canyon (near)	1.33	0.90	3.95	0.39	0.31	1.14	6.94	4.82	0.00	1.91	1.96	2.04	26.57
Socorro	0.09	0.04	0.65	0.03	0.59	0.15	1.94	1.21	0.33	0.83	0.40	0.26	6.52
Solano	0.33	T.	0.60	0.35	2.56	0.44	3.30	2.03	5.73	3.70	0.70	0.23	19.97
Springer				0.72	1.31	2.04	5.90	3.09	1.84	2.76	1.21	0.14	
Stanley	0.07	0.00	0.20	0.65	0.55	0.30	3.54	1.81	0.29	0.75	0.09	0.10	8.35
Sunshine Valley	0.80	0.05	0.83	0.20	0.88	0.14	4.16	2.88	0.35	[0.81]	[1.11]	0.23	12.44
Tajique (near)	0.66	0.28	1.29	0.21	0.75	0.36	6.62	2.49	0.70	0.35	1.54	0.45	15.70
Taos	0.43	0.30	0.64	0.67	1.32	0.15	4.38	1.93	0.82	0.41	0.95	0.09	12.09
Taos Canyon	1.52	1.09	1.20	0.79	1.36	1.14	3.70	2.28	0.55	0.64	1.38	0.15	15.80
Tatum	0.36	0.00	0.32	0.66	0.20	2.92	0.59	2.57	0.19	3.53	0.37	0.66	12.37
Taylor	0.30	T.	0.69	0.60	1.01	0.26	4.41	1.88	1.45	4.05	0.32	0.04	15.01
Texico (near)	0.20	0.00	0.20	1.00	0.40	1.50	1.96	3.31	1.60	4.62	0.80	0.65	16.24
Therma				0.94	2.23	0.80	4.88	1.24	0.71	0.75	1.03		
Thoreau	1.06	0.29	0.64	0.25	0.41	0.23	1.86	0.56	0.14	0.01	0.66	0.09	6.20
Three Rivers	0.28	0.25	0.65	0.15	0.40	0.12	1.56	1.08	0.34	0.95	1.10	0.39	7.27
Tierra Amarilla	2.23	1.20	1.45	0.25	0.50	[0.58]	[4.59]	1.60	1.06	0.25	1.00	0.00	14.71
Tijeras Canyon Ranger Station		0.18	1.00							0.42			
Tohatchi	1.17	0.20	0.70	1.01	0.31	0.20	2.50	1.04	0.06	0.10	0.74	0.00	8.03
Trementina	0.28									2.87	0.59	0.50	
Tres Piedras	1.23	0.12	1.24	0.27	1.08	0.18	5.06	1.95	0.83	1.96	1.33	0.03	15.28
Truchas	0.46	0.28	0.88	0.72	[1.31]	0.59	3.40	2.40	0.83	0.66	0.65	0.04	12.22
Trujillo	0.27	0.00			1.95								
Tucumcari (near)	0.11	T.	0.38	0.12	0.43	3.49	2.78	1.41	0.61	2.44	0.92	0.19	12.88
Tucumcari (No. 2)	0.18	T.	0.46	0.22	0.69	2.53	3.03	1.79	0.38	2.26	0.95	0.26	12.75
Tularosa	0.80	0.06	T.	T.	0.56	0.21	1.14	0.72	0.01	0.94	0.93	0.35	5.72
Tyrone	0.60	0.55	1.12	0.08	0.29								
Valley View	0.14	0.00	0.48	0.25	0.25	1.56	0.78	1.34	0.58	2.11	0.56	0.22	8.27
Valmora	0.18	T.	0.41	0.81	2.01	0.87	6.82	1.70	0.89	2.11	0.42	0.06	16.28
Vance (near)	0.15	0.05	0.51	0.51	1.92	2.52	1.66	3.19	1.17	7.66	0.05	T.	19.39
Vaughn	0.44	0.28	0.38	0.80	0.90	1.80	4.05	1.87	0.65	1.40	0.98	0.06	13.61
Weed Ranger Station	0.20	0.51	0.71	1.15									
White Tail	1.02	0.37	1.83	0.66	2.20	0.55	3.72	3.91	1.13	2.58	1.23	0.17	19.37
Winsors Ranch	1.88	1.43	1.75	1.48	1.87	0.57	6.69	2.92	1.56	3.53	1.07	0.39	25.14
Yates	0.36	0.00	0.57	0.53	4.78	1.99	2.59	2.68	3.05	5.96	0.30	0.42	23.23
New York													
Addison	2.24	1.80	3.62	2.49	2.96	5.51	2.02	1.19	1.82	0.67	0.54	1.17	26.03
Albany	1.77	1.04	2.76	1.53	3.02	3.21	4.33	2.20	1.96	1.13	1.90	0.69	25.54
Alfred	2.52	2.71	3.25	2.24	3.39	3.90	2.38	0.90	2.04	0.88	1.74	1.41	27.86
Allegany State Park	4.34	2.46	3.42	3.11	3.38	4.94	1.48	1.44	3.37	2.79	3.09	2.39	36.21
Andover	2.40	1.34	2.29	2.06	3.85	4.01	2.74	1.45	3.13	0.42	0.95	1.20	25.84
Angelica	2.79	2.35	3.67	2.23	3.50	4.14	2.25	0.98	1.32	0.93	1.21	1.88	27.25
Auburn	2.02	0.76	4.53	1.99	3.36	4.32	2.08	1.68	3.63	1.70	0.79	1.90	28.76
Avon	2.81	0.92	3.43	1.43	2.25	3.82	3.01	2.14	2.11	1.85	0.62	1.46	25.85
Bainbridge	2.49	1.77	3.23	1.72	4.64	3.40	3.36	1.97	3.34	1.18	1.38	2.11	30.59
Ballston Lake	2.39	1.18	3.23	1.53	3.36	3.15	2.29	0.82	2.00	0.69	2.82	0.69	24.20
Bedford Hills	2.68	2.50	2.83	1.10	4.21		3.14	4.07	2.01	1.32	1.71	1.55	
Binghamton	1.77	1.62	2.46	2.30	4.18	5.89	2.35	1.54	5.37	0.93	1.06	1.70	31.17
Boonville	4.02	1.11	3.59	2.45	3.34	4.89	2.62	4.23	3.27	1.06	1.41	2.11	34.10
Boyds Corner	2.47	1.96	2.70	3.12	3.02	5.08	3.04	3.90	1.36	1.65	5.15	2.06	35.51
Bridgehampton								3.00	0.34	3.75	5.02	4.06	
Brockport	2.99	1.84	4.60	1.09	2.12	3.25	1.64	1.67	1.72	2.31	0.68	1.26	25.17
Brooklyn (Eagle Office)	2.26	3.35	2.07	2.28	2.38	2.96	5.35	4.19	1.50	1.62	5.76	2.35	30.07
Buffalo	6.23	2.20	3.34	1.29	1.17	3.31	2.02	0.69	1.56	1.79	1.16	1.93	26.69
Cairo	1.59	0.68	4.67	2.34	3.87	4.96	2.68	2.15	1.83	1.19	3.17	0.81	29.94
Canadea Dam	3.50	1.85	2.86	1.14	3.37	4.70	1.85	0.72	2.19	0.93	1.38	1.71	26.20
Canton	3.98	0.50	4.38	2.18	3.10	4.39	3.54	1.24	1.51	1.83	1.55	0.83	29.03

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
New York—Continued													
Carmel	2.69	2.05	2.84	2.64	2.55	6.37	2.72	3.76	1.63	1.63	5.19	2.30	36.37
Chasm Falls	4.00	0.86	4.98	3.20	6.14	5.19	3.53	2.34	2.25	1.80	2.47	1.50	38.26
Chazy	1.55	0.20	2.00	T.	3.39	3.34	4.59	1.57	0.80	0.57	0.63	0.49	19.13
Coney Island	2.44	3.43	1.57	2.15	2.60	2.79	4.59	3.52	1.53	1.82	6.03	2.34	34.81
Conklinville	4.27	2.03	6.14	2.55	3.97	5.19	2.80	2.82	4.20	1.40	3.92	1.00	40.29
Cooperstown					3.50	3.26	2.63	3.48	2.17	1.24	2.54	2.72	------
Cortland	1.58	0.77	4.05	2.97	3.57	5.04	3.33	2.10	3.35	1.30	1.53	1.69	31.28
Cutchogue	3.26	3.82	2.43	2.52	4.17	3.99	3.09	2.00	0.96	4.16	6.29	4.96	41.65
Dannemora	2.64	0.80	4.49	1.93	5.08	3.96	3.95	2.23	2.43	1.21	1.87	1.53	32.12
Dansville	2.65	1.24	3.41	1.01	2.61	3.30	1.45	1.15	1.58	1.10	0.39	1.87	21.76
Delhi	2.12	1.68	4.09	1.76	3.86	4.23	2.49	2.86	3.16	0.97	1.59	1.82	30.63
Dolgeville	3.56	2.01	3.58	2.41	4.62	2.19	3.28	1.78	4.07	1.49	1.63	1.94	32.56
Eagle Falls	3.86	1.21	4.29	3.19	------	4.81	4.22	2.67	4.43	1.66	1.96	1.76	------
Elmira	1.67	1.37	3.24	2.00	3.29	4.18	1.87	0.50	2.44	1.19	0.62	1.77	24.14
Farmingdale	2.78	4.03	1.75	2.25	3.35	3.65	3.34	5.22	1.75	4.26	4.35	2.68	39.41
Flushing	2.16	3.32	1.89	2.54	3.16	3.23	4.72	3.80	1.45	1.86	6.08	2.64	36.85
Fredonia	4.93	3.38	3.25	1.37	2.24	4.24	1.89	0.68	4.51	4.87	2.64	1.62	35.62
Gabriels	1.15	0.91	1.52	1.96	------	3.41	5.68	1.88	2.53	1.95	3.67	3.15	------
Geneva	1.98	1.13	3.02	1.54	4.36	4.93	1.58	1.95	2.55	0.86	0.81	2.07	26.78
Glens Falls	3.50	1.17	4.30	2.65	3.84	5.12	2.39	1.70	2.42	1.39	3.09	1.27	32.84
Gloversville	3.49	2.40	3.07	1.03	3.44	2.41	3.31	1.75	2.87	1.44	2.39	1.70	29.30
Greenfield Center	3.50	1.70	4.35	1.55	3.85	3.70	2.90	1.70	4.65	1.00	3.10	1.52	33.52
Harkness	1.97	0.40	2.65	0.54	4.11	3.70	3.02	2.19	1.65	1.49	1.30	0.91	23.93
Haskinville	2.12	1.87	2.90	1.52	3.70	5.53	1.86	1.19	1.50	0.28	0.95	1.43	24.85
Hemlock	2.09	1.13	3.13	0.94	1.99	4.57	1.92	1.59	1.57	1.34	0.51	1.59	22.37
High Falls	2.13	1.94	4.90	1.71	4.48	5.48	2.40	4.34	4.62	1.20	4.62	1.79	39.61
High Market	6.82	2.07	5.84	4.05	4.64	6.71	4.39	2.47	3.97	1.39	2.12	2.84	47.31
Hoffmeister	6.48	2.57	4.94	3.26	5.52	3.91	4.03	3.22	6.03	1.61	2.11	3.70	47.38
Honk Falls	1.70	1.53	4.33	2.26	3.94	5.05	2.43	3.17	3.82	1.17	3.21	1.69	34.30
Indian Lake	4.73	1.20	4.27	1.86	4.33	3.66	3.70	2.95	2.72	1.37	2.48	0.82	34.09
Indian River	1.79	0.92	4.23	1.17	3.32	4.81	4.26	2.11	2.65	2.53	2.68	1.97	32.44
Ithaca	1.66	1.45	3.92	2.46	3.49	6.85	3.75	1.49	2.07	1.41	0.59	1.79	30.93
Jamestown	4.13	2.86	3.90	3.52	3.68	2.95	1.87	2.03	3.74	1.68	3.77	2.97	37.10
Jeffersonville	2.27	2.78	3.29	1.81	3.02	4.04	2.85	3.07	4.61	2.40	1.64	2.00	33.78
Lake Placid Club	3.00	0.85	3.05	1.65	4.85	4.78	3.48	1.98	1.90	1.65	2.00	1.40	30.59
Lauterbrunnen	2.87	2.02	3.57	1.22	2.85	3.58	1.47	1.22	1.90	1.16	1.35	1.22	24.43
Little Falls (No. 1)	3.16	1.31	3.36	2.27	3.39	2.22	2.87	2.02	3.93	1.61	1.44	1.77	29.37
Little Falls (No. 2)	3.94	1.70	3.71	2.07	2.90	2.03	2.26	2.94	3.04	1.29	1.40	1.89	29.17
Lockport	4.39	1.85	4.09	1.39	2.01	4.29	2.50	0.76	1.43	2.17	0.86	1.38	27.12
Lowville	4.75	1.22	3.14	2.43	2.80	5.05	1.22	2.48	1.51	0.87	2.37	1.07	28.91
Lyons Falls	3.89	1.23	------	2.99	3.52	3.58	3.38	2.80	2.19	0.78	2.03	2.23	------
McKeever	5.37	1.52	5.27	3.08	4.36	7.03	4.58	3.85	3.64	1.44	1.97	2.14	44.25
Mechanicville	2.29	1.16	3.08	1.54	3.55	5.76	2.79	0.83	1.94	1.10	2.34	0.63	27.01
Mohonk Lake	1.22	1.15	1.67	0.97	3.76	4.34	2.81	4.58	3.47	1.08	4.51	1.84	31.40
Moira	1.93	------	------	------	------	6.09	3.87	0.79	2.62	0.60	------	------	------
Morrisville	2.69	1.15	2.59	1.79	4.31	5.08	3.13	2.35	4.51	1.04	1.91	2.04	32.59
Mount McGregor	4.24	2.06	4.07	1.55	3.42	5.66	2.32	2.49	2.90	0.79	3.41	1.94	34.85
Mount Vernon	2.86	3.10	1.75	2.60	4.35	4.23	3.57	3.25	2.83	1.67	5.35	3.51	39.07
New York (Weather Bureau)	2.58	3.40	2.16	2.01	2.89	2.60	5.05	3.43	1.37	1.76	5.43	2.65	35.33
New York (Central Park)	2.37	3.24	2.23	2.30	3.43	2.92	6.61	4.32	1.47	1.71	5.62	2.73	38.95
North Lake	6.35	2.32	5.57	3.41	4.51	5.60	4.50	3.20	4.46	1.56	2.83	2.20	46.51
Norwich	2.55	1.72	4.44	2.26	4.52	3.80	3.55	1.52	3.26	0.89	1.32	2.44	32.27
Ogdensburg	4.11	2.12	2.41	1.42	2.81	3.92	5.13	5.16	1.06	1.00	0.72	------	------
Olean	3.82	1.93	3.42	2.52	3.65	4.07	1.32	1.36	2.03	1.15	1.39	2.85	29.51
Oneonta	2.25	1.68	3.45	2.03	3.33	2.31	3.49	2.33	4.69	1.18	1.31	1.79	29.84
Oswego	3.15	1.28	3.53	2.02	2.83	4.20	2.11	1.34	3.91	2.25	2.28	1.14	30.04
Penn Yan	1.78	0.88	4.07	1.17	3.44	4.97	2.34	1.23	2.21	0.48	0.57	2.09	25.23
Philadelphia	------	------	------	------	2.81	2.81	3.65	1.40	1.70	6.80	0.40	0.70	------
Port Jervis	1.43	0.96	3.79	1.71	3.51	4.99	3.23	3.64	4.89	1.60	2.63	3.34	35.72
Poughkeepsie	1.99	2.48	2.65	0.89	------	3.43	1.87	4.37	7.43	1.77	3.97	1.00	------
Raquette Lake	5.33	1.75	3.29	2.45	6.17	5.63	4.92	2.64	3.65	1.41	2.46	1.82	41.52
Rifton	2.13	2.11	4.32	2.25	3.88	4.85	2.81	3.32	4.78	1.74	6.34	2.10	40.63
Rochester	2.92	1.90	4.59	1.51	2.53	4.07	2.15	2.05	1.55	1.83	1.17	1.71	27.98
Roslyn	2.08	3.57	1.65	2.26	3.48	4.19	2.51	3.39	2.28	2.36	6.51	1.53	35.81
Roxbury	------	1.94	4.59	2.12	3.22	4.22	3.35	3.24	3.33	2.06	2.45	1.58	------
Salisbury	4.49	1.46	3.78	2.40	5.38	2.53	4.02	2.15	4.23	1.70	2.17	2.63	36.94
Scarsdale	1.53	1.88	2.47	2.24	3.36	5.01	3.11	4.20	1.70	1.26	4.91	1.76	33.43
Scio	------	------	2.49	1.93	------	3.53	3.10	1.62	1.52	0.79	1.48	------	------
Setauket	2.41	3.51	1.83	2.48	4.51	2.62	2.34	1.55	1.16	2.61	7.13	3.33	35.48
Sharon Springs (No. 1)	2.81	1.42	3.25	2.36	3.04	3.01	1.58	2.58	2.80	1.44	2.01	1.36	27.66
Sharon Springs (No. 2)	2.44	2.02	3.18	2.08	3.18	2.87	1.22	3.90	1.37	0.91	2.26	1.82	27.25
Sherburne	3.10	1.08	4.17	2.07	4.51	2.94	3.43	2.14	4.19	0.93	0.97	2.00	31.53
Shortsville	1.87	1.36	4.98	1.59	3.56	6.83	1.74	1.31	1.88	1.42	1.10	1.49	28.93
Skaneateles	1.89	1.26	2.83	1.58	3.98	4.64	2.62	1.60	4.72	1.88	1.82	3.13	31.95
Sodus	2.75	0.82	4.39	1.59	3.31	4.49	2.21	1.55	3.17	1.75	1.52	1.45	29.00
South Colton	2.94	0.66	3.92	1.72	4.89	6.93	3.17	3.14	1.93	2.52	1.31	1.64	34.77
South Edwards	6.39	1.18	4.86	1.92	4.75	4.27	4.43	5.38	2.21	1.73	1.37	1.96	40.45
Southeast Reservoir	3.17	2.15	2.93	3.01	2.97	7.01	4.03	3.56	3.88	1.80	4.77	2.51	41.79
Spencertown	------	0.92	3.59	------	------	3.89	3.04	1.99	------	1.28	------	1.05	------
Sperryville	1.96	0.69	1.70	0.98	3.37	4.49	3.25	4.46	2.26	1.54	1.26	1.65	26.11
Spier Falls	3.27	0.90	3.95	1.43	3.21	4.89	3.31	1.87	2.66	0.97	3.45	1.40	31.31
Stillwater Reservoir	6.72	1.97	5.98	3.97	4.76	4.93	4.25	2.36	3.96	1.64	2.31	3.24	46.09
Syracuse	2.74	1.03	4.18	2.43	3.39	5.98	1.67	1.57	3.20	1.30	1.20	1.80	30.49
Taberg	5.81	5.22	4.83	3.07	4.18	6.48	4.05	2.35	4.75	1.60	2.09	2.25	46.68
Trenton Falls	5.76	1.92	4.32	2.46	4.19	4.25	2.03	2.89	5.13	1.06	2.21	2.19	38.41
Tribes Hill	3.08	1.66	3.07	1.72	3.35	2.97	1.75	1.69	2.41	1.23	2.14	0.95	26.02
Troy	2.29	1.53	2.76	2.34	4.14	2.95	3.25	1.50	2.18	1.75	2.52	0.74	27.95
Tupper Lake	3.70	1.09	3.88	1.87	3.35	4.80	3.30	2.19	3.24	0.95	1.36	1.30	31.03
Utica	3.20	2.08	4.61	2.42	4.44	3.07	3.07	2.72	3.34	0.84	1.56	2.31	33.66
Voorheesville	2.55	1.15	2.89	1.96	2.93	6.23	3.72	1.75	2.26	1.29	2.00	0.84	29.57
Walden	2.34	2.74	2.85	1.79	3.81	2.70	2.11	4.43	9.77	1.93	4.12	2.84	41.43
Wanakena	4.39	1.40	5.07	3.47	3.82	3.96	7.12	2.76	2.14	1.50	1.90	1.95	39.48
Wappingers Falls	2.22	2.55	2.46	1.51	2.80	3.60	3.33	4.92	5.25	1.56	4.38	2.45	37.03
Warwick	2.23	1.67	2.22	2.12	2.56	4.15	2.27	4.28	2.03	1.20	3.80	2.27	30.80
Watertown	5.33	1.26	4.16	2.20	3.44	3.89	3.30	1.75	2.53	2.66	3.01	1.56	35.09
West Berne	1.57	1.30	2.96	------	------	------	------	1.99	2.36	0.97	1.59	0.70	------
Westerleigh	2.57	3.35	2.20	2.43	3.10	3.19	3.75	2.78	3.29	1.68	7.15	2.77	38.26
West Point	------	------	------	2.97	2.69	3.10	1.35	2.41	1.12	1.28	4.76	1.46	------
Windecker	6.08	1.38	4.58	2.78	3.90	6.01	2.91	3.12	3.11	1.16	2.25	2.52	39.80

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
North Carolina													
Albemarle	3.46	1.64	2.84	2.47	4.13	5.19	6.08	2.13	2.79	2.02	3.90	4.60	41.25
Altapass	2.23	1.20	3.33	2.15	2.00	4.29	1.85	5.42	5.61	1.67	3.83	3.00	36.58
Andrews	4.11	3.02	7.72	2.11	6.04	2.03	4.80	0.65	6.53	1.85	4.89		
Arcola									1.35	3.79	1.74	4.14	
Asheboro	3.45	1.06	2.23	1.66	1.89	4.81	5.66	2.06	1.64	1.63	3.88	5.19	35.16
Asheville	1.48	0.67	1.66	1.72	2.56	2.96	1.12	1.78	4.23	1.00	2.84	2.45	24.47
Badin												5.09	
Bahama	2.71	1.61	0.72	2.21	3.52	4.54	5.40	0.73	3.35	1.15	2.53	1.20	29.67
Banners Elk	2.19	1.01	3.44	2.04	4.54	2.83	4.34	6.01	7.76	2.35	3.66	3.41	43.58
Beaufort	7.00	1.27	4.05	2.93	0.47	6.88	2.92	4.41	8.21	2.35	2.92	6.44	49.85
Belhaven	5.58	1.16	1.76	2.22	1.99	4.03	5.09	1.35	4.59	2.62	4.11	6.19	40.69
Boone	2.42	1.48	3.50	2.45	4.33	2.91	4.11	4.55	4.07	1.90	3.29	5.03	40.04
Brevard	2.80	0.30	3.12	1.62	6.55	1.62	1.54	3.79				2.37	
Bryson City	3.66	2.88	5.21	1.97	6.55	3.23	2.72	5.07	4.37	2.31	3.63	2.72	44.32
Canton									5.04	1.04	2.54	1.50	
Caroleen	3.44	1.02	2.50	1.58	3.55	3.80	4.11	1.24	3.16	1.11	5.59	5.05	36.15
Chadbourn								2.81	5.82	3.60	3.02	4.58	
Chapel Hill	4.00	1.09	2.03	2.53	2.26	6.13	4.78	1.68	1.86	3.68	2.26	4.25	36.55
Charlotte	3.90	0.92	2.45	0.86	3.08	4.92	2.84	3.41	2.90	1.19	5.17	3.43	35.07
Cullowhee	2.32	1.94	3.41	2.12	5.11	1.81	1.51	1.94	6.65	1.58	3.94	2.36	34.69
Deep Creek	3.42	0.95	2.00	2.35	4.71	4.83	7.70	1.08	1.25	1.78	2.53	4.30	36.90
Durham	2.94	1.05	1.79	2.01	3.00	5.38	3.69	1.25	2.80	2.60	1.30	3.32	31.13
Edenton	4.69	1.70	2.58	3.18	1.72	3.60	1.89	2.27	0.70	2.18	3.35	5.15	33.01
Edgemont	2.20	0.89	3.58	1.99	3.25	2.36	1.39	6.21	4.64	3.08	3.18	3.91	36.69
Elizabeth City	5.23	1.45	1.90	1.65	3.85	5.70	6.00	1.85	1.80	2.15	3.35	3.60	38.53
Elizabethtown	6.03	0.92	2.75	2.55	3.25	3.35	7.34	4.01	3.41	6.66	2.63	6.03	48.93
Elkin	3.18	0.96	3.20	1.57	3.04	3.29	1.14	2.07	2.91	1.00	2.19	4.82	29.37
Enfield	3.81	1.19	2.68	2.26	2.09	5.95	2.41	1.82	0.79	2.19	1.45	4.24	30.88
Enka												2.81	
Fayetteville	3.62	1.57	2.46	2.31	5.38	5.39	2.64	5.65	1.93	3.38	2.46	3.57	40.36
Franklin		2.44	3.75			2.02	4.33	1.23	4.92	0.99	3.01	3.13	
Gastonia											5.88	3.87	
Goldsboro	5.38	1.63	2.59	2.13	2.09	4.10	3.85	2.84	1.35	2.01	1.52	4.46	33.95
Graham	2.81	1.21	1.82	1.51	3.01	2.08	4.62	2.80	1.05	1.82	2.70	4.08	29.51
Greensboro (Weather Bureau)	3.93	1.21	2.22	1.67	5.68	3.73	2.22	2.94	1.59	1.31	3.46	3.87	33.83
Greensboro (Horry)	3.03	1.25	2.21	1.77	6.04	2.66	3.42	2.25	1.79	1.10	3.06	3.86	32.44
Greenville	5.51	1.51	2.45	1.66	2.27	5.03	2.47	1.03	2.50	2.18	2.45	4.92	33.98
Hatteras	5.02	0.73	3.15	2.81	1.96	7.78	3.91	3.07	4.78	2.71	3.48	7.46	46.86
Henderson	3.56	1.20	1.66	3.09	2.76	6.88	2.71	0.23	2.96	3.05	1.79	3.66	33.55
Hendersonville	2.48	0.54	0.96	1.63	3.29	3.34	2.40	3.11	6.03	1.10	4.75	4.61	34.24
Hickory	3.40	2.36	2.36	1.59	2.54	4.81	3.00	4.18	2.58	0.94	3.88	4.99	36.54
Highlands	4.13	2.53	5.32	4.04	7.54	4.24	1.29	2.19	8.42	2.48	8.11	5.13	55.42
High Point	4.45	1.71	2.26	1.31	3.90	3.89	4.67	1.72	2.96	1.83	4.10	4.23	37.03
Hot Springs	2.12	1.79	4.02	2.46	3.79	2.70	4.07	3.19	3.56	2.36	3.58	1.27	34.91
Hot Springs (No. 2)	1.84	2.26	4.10	2.61	3.97	2.57	4.03	3.36	3.46	2.06	2.67		
Jefferson	2.63	0.84	3.63	1.94	3.03	2.29	0.92	4.14	2.84	1.35	3.20	3.68	30.49
Kenansville	4.67	2.00	2.89	3.84	1.62	3.73	5.46	1.96	5.61	2.58	1.71	6.32	42.39
Kinston	4.97	1.16	2.11	2.18	1.00	5.20	4.55	1.38	5.73	1.78	1.51	4.35	35.92
Lake Michie	3.20	1.08	1.80	2.05	3.56	4.75	6.01	1.26	2.35	2.29	1.83	4.05	34.23
Lenoir	3.22	1.06	2.89	0.87	2.39	3.62	2.34	4.35	4.85	1.08	4.66	3.41	34.74
Linville Falls	2.14	1.11	3.38	2.35	3.66	4.31	0.79	5.66	4.91	2.86	4.07	3.28	38.52
Louisburg	3.27	1.60	2.39	3.11	2.34	7.27	2.13	0.57	3.42	2.38	1.40	3.51	33.39
Lumberton	6.38	0.93	3.24	1.96	2.00	4.55	4.19	1.93	4.52	3.47	3.48	5.84	42.49
McHenry's Bridge	4.05	1.48	2.37	0.95	2.14	5.02	1.74	4.83	1.52	0.98	4.01	4.30	33.39
Mangum's Store	2.77	0.69	2.12	2.14	4.35	5.50	5.23	0.71	2.50	2.63	1.82	6.00	36.46
Manteo	5.30	0.50	2.40	3.34	1.74	10.00	3.82	0.92	4.14	2.60	4.58	8.63	47.97
Marion					1.61	2.83	1.07	2.37	3.24	0.80	3.91	5.50	
Marshall	2.15	1.85	2.45	2.50	3.79	2.20	2.88	3.45	5.45	2.20	2.64	1.20	32.76
Moncure	4.04	1.36	2.09	2.36	2.04	5.47	3.02	2.01	1.24	2.24	1.69	3.71	31.27
Monroe	3.51	0.91	2.21	1.09	3.12	4.91	3.42	4.34	4.17	1.34	4.51	3.84	37.37
Montreat	3.28	1.41	3.36	2.46	3.09	2.71	1.89	3.84	4.47	1.91	4.34	4.12	36.88
Morganton							1.22						
Mount Airy	1.90	0.67	1.68	1.49	2.20	2.57	0.72	2.26	1.33	1.37	2.12	4.38	22.69
Mount Gilead	2.68	0.84	2.40	1.22	1.90	5.40	3.89	3.15	1.44	1.38	3.06	4.52	31.88
Mount Holly	4.16	1.52	2.70	0.51	4.24	4.69	2.10	2.08	3.75	1.05	5.49	4.22	36.51
Mount Mitchell		2.25	4.75	3.25	5.71	8.25	2.20	3.75	6.74	2.32	6.54		
Moxley	3.18		4.77		2.35		0.50				1.67		
Murphy	3.98	2.55	5.45	1.96	5.67	1.62	4.06	3.60	5.78	2.41	4.24	3.13	44.45
Nashville	3.55	1.23	2.66	2.97	2.00	6.51	2.07	1.93	3.00	2.01	1.34	4.43	33.70
New Bern	6.50	0.72	2.24	1.79	1.54	4.83	6.66	2.04	7.15	2.61	2.48	7.09	45.65
New Holland	6.17	0.70	2.53	2.83	1.29	6.96	4.53	1.40	8.51	3.78	3.05	7.98	49.73
Neuse	3.08	1.08	1.76	5.19	2.68	7.25	3.98	1.07	2.27	2.32	2.05	3.70	36.43
North Wilkesboro	2.80	0.76	3.14	1.32	2.32	2.30	0.89	6.93	2.82	0.95	3.61	4.66	32.30
Oxford	3.09	1.76	1.57	2.32	3.70	4.90	3.99	0.39	1.56	2.24	1.66	3.58	30.76
Parker	1.26	1.45	5.86	3.08	7.45	3.50	2.66	4.18	3.51	2.23	2.76	3.09	41.63
Pinehurst	3.27	2.63	1.80	1.81	2.65	6.61	3.85	2.34	1.54	2.40	3.06	3.07	35.03
Raleigh (Weather Bureau)	2.95	1.18	2.33	2.16	2.02	4.24	5.94	1.25	3.31	2.91	1.95	3.68	33.92
Raleigh (No. 2)	2.90	0.97	1.84	2.10	2.22	5.96	6.23	1.48	2.02	3.43	1.65	3.77	34.57
Randleman	3.51	1.54	1.89	1.45	2.85	6.48	5.65	2.78	1.31	1.53	2.58	4.24	35.81
Red Springs	4.23	1.23	2.07	2.61	3.47	6.90	2.17	3.36	3.46	2.89	3.55	3.53	39.47
Reidsville	3.51	1.36	1.81	1.50	2.61	4.80	5.57	2.04	3.95	1.69	3.27	4.69	36.80
Rock House (No. 1)	4.78	2.57	5.01	3.00	6.80	4.39	1.89	1.97	7.56	2.33	8.07	5.52	53.89
Rock House (No. 2)	4.74	2.72	5.44	3.30	7.17	4.25	1.68	1.71	6.98	2.34	8.25	5.43	54.01
Rockingham	4.19	1.65	2.05	2.01	2.39	5.97	3.28	2.64	3.12	2.81	3.58	4.05	37.74
Rocky Mount (No. 1)	3.88	1.25	1.93	2.13	1.48	8.23	2.73	1.84	0.66	2.11	1.14	4.39	31.77
Rocky Mount (No. 2)	3.90	1.96	1.91	2.73	1.40	7.70	4.14	T.	1.03	1.99	1.51	4.57	32.84
Rougemont	3.67	1.00	1.71	2.39	4.33	3.88	3.65	2.00	3.44	2.07	2.02	4.06	34.22
Roxboro	2.95	1.33	1.57	1.97	5.10	2.20	6.49	2.56	1.17	1.93	2.40	2.49	32.16
Salisbury	4.08	1.49	2.55	1.67	1.71	7.07	5.12	4.83	1.85	1.63	3.69	4.95	40.64
Sanatorium	3.46	1.46		2.24	3.01	5.15	4.21	4.35	1.56	2.90	2.22	3.80	
Scotland Neck	3.57	1.43	2.30	2.49	1.74	5.86	6.96	0.94	1.18	2.26	2.21	3.39	34.33
Settle	3.97	1.21		1.12	1.99	2.98	1.85	2.17	1.36	1.12	3.54	4.80	
Shelby	3.58	1.24	2.49	1.37	2.46	1.80	3.00	2.76	4.12	0.82	7.28	4.00	34.92
Sloan	4.05	0.69	3.07	2.09	3.74	4.80	8.90	2.84	8.05	2.50	2.38	5.83	45.94
Smithfield	4.48	1.91	2.89	2.14	2.83	7.38	4.80	2.24	4.26	2.17	1.78	4.39	41.27
Southern Pines	2.71	1.45		2.60	2.50	6.81	6.83	3.26	2.70	4.15	3.50	4.83	
Southport	3.54	0.59	3.24	1.96	2.17	3.90	9.30	3.44	6.45	2.85	2.64	5.80	45.90

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
North Carolina—Continued													
Star	2.70	1.80	2.23	1.63	2.80	2.70	5.10	3.70	3.40	1.80	3.40	3.80	35.06
Statesville	3.68	1.60	2.88	1.63	2.63	4.06	2.38	6.06	1.54	1.09	4.02	4.71	36.28
Stonewall	6.81	0.97	2.84	1.78	1.46	7.44	6.20	2.20	9.10	4.03	2.53	6.14	51.50
Swansboro	5.87	0.37	3.40	1.64	1.62	3.17	3.96	5.51	8.15	2.21	2.12	5.74	43.76
Tapoco	2.89	3.44	7.74	2.27	8.12	2.96	4.12	1.91	5.12	2.90	3.58	4.40	49.45
Tarboro	4.04	1.46	2.08	2.63	1.47	8.24	3.06	2.63	1.22	2.81	1.89	4.19	35.72
Tryon	3.32			2.61	2.42	2.96	1.50	2.77	2.56	1.29	6.86	5.68	
Waterville										2.07	2.36	1.97	
Waynesville	2.93	1.83	4.53	2.25	4.17	2.50	1.82	2.89	5.72	1.29	3.36	1.77	35.06
Weldon	3.29	0.71	2.13	2.17	1.43	6.41	3.20	1.37	0.64	2.41	2.01	3.44	29.21
Wenona	5.16	1.02	1.81	1.91	3.20	5.97	5.77	1.29	1.63	2.44	5.92	4.84	40.96
Willard	7.10	0.69	2.96	1.91	1.82	3.79	7.79	2.83	4.97	2.30	1.46	5.88	43.50
Williamston										2.47	3.38	3.98	
Wilmington	3.69	0.38	2.98	1.62	1.51	3.89	7.48	1.56	5.82	1.86	1.92	4.55	37.26
Winston-Salem	3.15	1.28	1.74	1.43	5.31	1.98	2.95	2.78	2.85	1.17	3.14	4.00	31.78
North Dakota													
Alpha	0.37	0.21	0.04	1.82	1.12	3.59	0.25	3.23	1.42	0.58	0.32	0.27	13.22
Amenia	0.08	1.29	0.25	1.10	4.15	3.05	1.20	1.17	1.34	2.48	2.16	0.13	18.40
Arnegard	0.30	1.15	0.10	3.11	1.71	2.92	0.16	0.86	0.16	0.72	0.65	0.02	11.86
Ashley	0.09	1.34	0.05	1.42	2.69	2.57	1.99	3.89	0.39	2.25	1.03	0.08	17.79
Beach	0.30	0.27	0.01	1.63	0.96	4.70	0.67	3.52	1.41	0.77	0.47	0.29	15.00
Berthold Agency	T.	1.21	T.	2.03	1.64	6.71	0.17	0.75	0.65	0.86	0.03	0.03	14.08
Bismarck	0.23	1.36	T.	1.37	2.19	2.19	1.90	1.71	2.70	1.94	0.98	0.19	16.76
Bottineau	0.11	0.36	0.12	0.58	2.10	4.22	1.22	0.80	1.27	1.45	1.06	0.17	13.46
Bowman	1.41	0.73	0.06	0.80	2.09	3.95	0.43	3.49	1.92	1.52	0.44	0.37	17.21
Cando	0.20	1.19	0.04	0.13	2.45	3.84	0.93	0.95	0.32	1.59	0.55	0.51	12.70
Carrington	0.25	0.67	T.	0.31	3.11	2.84	0.68	2.86	0.77	2.24	1.03	T.	14.76
Carson	0.30	1.24	0.05	3.67	2.46	1.80	0.83	0.67	2.06	2.31	0.82	0.14	16.35
Cavalier	0.18	2.45	0.10	0.13	3.66	2.50	1.38	0.32	2.80	2.21	1.47	0.45	17.65
Cooperstown				1.52	2.94								
Corinth								0.79	0.75	1.02	0.22	0.20	
Courtenay							1.09	3.13	0.42	2.77			
Crosby	0.24	0.44	0.00	0.36	1.16	1.72	0.63	0.59	0.30	1.56	0.34	0.04	7.38
Devils Lake	0.06	1.32	0.13	1.05	3.61	3.65	0.67	0.62	0.96	2.26	0.81	0.23	15.37
Dickinson	0.64	1.29	0.05	1.86	1.23	4.31	0.08	0.55	1.52	1.44	0.45	0.37	13.79
Dogden Butte	0.02	0.98	0.05	1.18	3.72	4.58	0.14	1.54	0.76	2.12	0.65	0.17	15.91
Drake	0.02	0.98	0.05	1.50	3.46	3.71	0.22	0.61	1.37	2.87	0.52	0.08	15.39
Dunn Center	T.	1.40	T.	2.46	1.68	3.41	0.43	0.61	1.89	1.38	T.	0.10	13.36
Dunseith	0.25	1.01	0.25	1.08	2.78	4.21	1.64	0.58	0.58	2.33	0.70	0.29	15.70
Eckman	0.08	0.59	0.04	0.20	2.32	2.30	0.52	0.95	0.66	1.05	0.25	0.19	9.15
Edgeley	0.20	0.62	T.	1.46	2.48	2.36	1.33	3.51	0.20	2.24	0.80	0.09	15.20
Ellendale	0.14	0.92	0.03	2.21	2.25	1.35	1.99	5.01	0.29	1.80	1.39	0.07	17.45
Energy	T.	1.06	T.	0.97	2.27	3.76	0.02	1.11	0.58	1.93	0.18	0.20	12.08
Epping	0.40	1.28	0.09	2.57	1.20	2.56	0.27	1.21	1.53	0.78	0.61	0.05	12.55
Fairfield	0.72	0.75	0.02	1.97	1.22	4.26	0.26	1.01	1.51	0.94	0.50	0.30	13.46
Fessenden	0.27	2.04	0.18	0.88	2.99	2.70	0.96	1.07	1.14	1.90	0.98	0.08	15.19
Forman	[0.23]	[0.75]	[0.05]	2.00	3.46	1.02	2.63	1.73	0.21	2.21	1.78	0.09	16.16
Fort Yates	0.34	1.55	T.	2.14	3.06	1.75	0.80	2.65	0.42	2.18	1.40	0.00	16.29
Foxholm	0.11	1.50	0.05	1.29	1.62	2.43	0.12	1.30	0.84	1.22	0.33	0.18	10.99
Fryburg	0.52	1.05	0.10	1.11	1.74	3.50	0.28	1.97	2.17	1.08	0.38	0.53	14.43
Fullerton	0.56	2.14	0.13	2.43	2.77	3.02	1.22	3.54	0.87	3.09	1.88	0.11	21.76
Garrison	T.	0.90	T.	1.34	1.73	4.63	0.03	1.22	0.32	1.54	0.20	0.38	12.29
Grafton	0.27	2.00	0.25	0.27	3.97	3.07	1.35	0.68	2.66	1.82	2.73	0.36	19.43
Grand Forks	0.27	1.89	0.43	1.74	4.28	2.60	1.75	1.24	1.43	1.88	3.09	0.79	21.39
Granville	0.50	0.96	0.05	0.54	2.76	5.61	0.34	0.42	0.87	1.83	0.05	0.40	14.33
Hankinson	0.21	1.27	T.	1.60	4.01	1.02	4.37	1.98	2.89	1.62	2.58	0.11	21.66
Hannah	0.04	1.86	0.20	0.40	2.99	5.51	2.50	0.19	1.51	2.18	0.75	0.13	18.35
Hansboro	0.00	2.50	0.20	1.05	2.66	3.50	2.27	0.40	1.15	2.45	0.15	T.	16.33
Hettinger	0.19	0.58	T.	0.48	2.12	3.12	0.49	1.09	1.32	2.49	0.20	0.17	12.25
Hillsboro	0.17	1.08	0.42	0.77	4.04	1.93	1.13	0.67	0.40	2.95	2.40	0.19	16.15
Howard	T.	1.37	T.	0.31	1.41	3.55	0.73	2.33	0.48	1.37	0.70	T.	12.25
Jamestown	0.27	1.63	0.06	0.44	3.68	2.72	0.56	1.26	0.46	2.07	0.73	0.25	14.13
Lamoine	1.00	1.70	0.20	1.13	1.69	2.24	0.60						
Langdon	0.50	2.50	0.20	0.18	2.86	3.43	1.93	0.15	1.10	2.62	1.00	0.05	16.52
Larimore	0.16	1.77	0.22	0.58	5.99	3.76	3.24	1.07	1.45	2.19	1.24	0.46	22.13
Linton	0.25	0.50	T.	1.75	3.10	2.50	0.40	3.01	0.93	1.72	1.00	0.30	15.46
Lisbon	0.16	1.00	0.02	2.05	3.64	1.01	1.83	2.55	0.71	2.44	2.15	0.10	17.66
McClusky	0.11	1.38	T.	1.36	2.57	2.35	0.83	1.44	0.59	2.58	0.75	T.	13.96
McLeod	0.33	0.94	0.12	1.72	5.18	0.63	2.14	1.59	0.38	1.34	1.84	0.13	16.34
Maddock	0.07	1.16	T.	0.65	2.74	4.28	1.01	0.82	1.42	1.75	0.27	0.08	14.25
Mandan	0.19	1.60	0.08	1.71	2.23	1.50	2.40	2.00	2.17	2.24	1.10	0.16	17.38
Manfred	0.36	1.67	0.06	0.86	2.57	3.36	1.36	0.71	0.51	1.77	0.82	0.13	14.18
Marmarth	0.54	0.33	0.09	0.80	1.20	4.76	1.29	2.44	2.15	1.02	0.69	0.40	15.71
Mary	0.16	0.79	T.	2.02	1.56	3.36	0.28	1.46	0.45	1.28	0.12	0.06	11.54
Max	0.25	1.40	0.10	1.79	2.14	4.40	0.11	1.63	0.43	1.29	0.30	T.	13.84
Mayville	0.00	1.20	0.07	0.80	4.78	1.49	0.28	0.16	0.75	1.85	1.43	0.00	12.81
Melville	0.19	1.20	0.00	0.16									
Minot	0.05	0.67	0.01	0.45	2.48	4.07	0.30	1.00	1.17	0.86	0.05	0.02	11.13
Mohall	0.08	0.59	0.04	0.74	2.15	5.52	0.46	1.82	0.50	3.04	T.	T.	14.94
Mott	1.06	1.53	0.14	2.43	2.27	3.20	0.46	0.70	2.66	1.58	0.39	0.36	16.78
Napoleon	0.26	1.90	0.10	1.00	2.75	2.51	0.62	2.77	0.70	1.53	1.15	0.20	15.49
New England	0.27	0.85	T.	1.47	1.86	5.05	0.46	0.91	2.65	1.14	0.75	0.30	15.71
New Salem	0.21	1.27	T.	2.41	1.73	2.22	0.79	0.79	1.58	2.87	0.63	0.06	14.56
Oakes	0.23	0.75	0.05	2.30	2.64	1.30	3.18	2.58	0.33	2.18	1.72	0.13	17.39
Park River	T.	0.86	0.11	0.22	4.31	3.84	2.73	0.68	3.18	2.19	1.22	0.24	19.58
Parshall	T.	1.20	0.00	1.13	1.52	4.50					0.14	0.14	
Pembina	0.20	2.00	0.00	0.10	5.10	3.70	2.50	T.	1.65	1.85	1.00	0.90	19.00
Petersburg						2.43	2.28	1.65	2.18	1.81	1.41	0.15	
Pettibone	0.37	1.07	T.	0.23	2.20	2.31	1.70	1.97	0.90	2.24	1.61	0.17	14.77
Portal	0.00	0.95	0.05	0.66	2.64	1.60	1.22	1.42	0.38	1.49	0.05	0.10	10.56
Power	0.85	1.01	0.80	1.45	3.63	0.67	1.24	0.55	0.10	0.40	0.84	0.50	12.04
Powers Lake	0.26	0.70	0.13	2.42	3.63	2.89	0.93	1.46	0.63	3.49	0.60	0.61	17.75
Richardton	0.05	1.20	T.	1.68	1.62	6.32	0.37	0.36	1.60	1.05	0.40	0.20	14.85
Rugby	0.15	1.45	0.20	0.42	1.42	3.38	0.71	0.27	0.53	2.00	0.70	0.40	11.63
Ryder	0.18	1.52	0.00	0.74	1.78	4.37	0.27	1.75	0.35	1.03	0.10	0.35	12.44

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
North Dakota—Continued													
Sanish	0.02	1.22							0.62				
Sharon	0.10	1.40	0.06	0.66	4.84	2.66	1.60	0.83	1.48	2.48	1.99	0.16	18.26
Stanton	T.	0.58	0.00	1.27	1.46	2.94	1.00	0.97	0.79	1.95	0.19	0.15	11.30
Steele	0.25	1.50	T.	0.87	3.75	2.10	1.68	2.57	0.61	2.23	2.10	0.30	17.96
Stowers	0.72	0.86	T.	2.40	1.45	1.95	0.35	1.34	1.30	3.11	0.50	T.	13.98
Tagus	0.06	0.11	0.02	1.08	1.11	3.01	0.09	2.45	0.26	1.29	0.05	0.04	9.57
Tioga	0.93	0.90	0.10	1.27	1.67	2.24	0.39	0.75	0.94	0.96	0.40	0.00	10.55
Towner	0.10		0.00	0.90	2.60	2.36	0.43					T.	
Trotters	0.68	1.13	0.10	1.99	1.16	3.16	0.21	2.70	1.33	1.28	0.27	0.24	14.25
Turtle Lake			0.01										
Valley City	0.28	1.56	0.03	0.34	3.77	2.68	1.13	1.28	0.47	2.28	1.91	0.19	15.92
Velva	0.18	1.13	0.01	1.23	2.92	3.79	0.20	1.07	0.71	1.94	0.29	0.04	13.51
Verona	0.42	0.71	0.64	1.89	2.57	0.13	3.73	1.89	0.00	2.07	1.49	0.00	15.54
Wahpeton	0.35	1.06	0.06	1.15	4.27	0.49	1.75	1.59	0.19	1.12	2.26	0.03	14.32
Washburn	T.	1.22	[T.]	0.40	1.30	4.65	0.76	1.48	0.65	1.81	0.34	T.	12.61
Westhope	0.06	0.30	T.	0.12	1.93	3.32	1.35	1.41	0.47	0.90	0.14	0.14	10.14
Williston	0.17	1.24	0.06	1.96	1.29	2.32	0.56	2.17	0.65	0.66	0.61	0.05	11.74
Willow City	T.	1.30	T.	0.54	2.58	4.18	0.60	0.64	0.64	1.93	1.10	0.50	14.01
Wilton	T.	1.44	T.	1.41	2.22	3.67	0.50	2.02	0.45	2.36	1.14	0.19	15.40
Wishek	0.61	1.13	0.26	0.89	3.43	3.05	0.92	3.21	0.91	1.77	0.34	0.07	16.59
Zap	0.03	0.36	0.00	1.14	1.49	6.21	0.30	0.25	1.17	1.33	T.	0.00	12.28
Ohio													
Akron	4.50	1.59	2.25	2.76	2.63	2.75	2.19	1.92	2.00	2.01	1.01	1.39	27.00
Alliance	4.27	2.67	3.06	2.85	2.27	3.34	1.69	1.35	3.37	1.17	1.30	1.15	28.49
Amesville	2.11	2.52	4.05	1.40	1.46	1.98	1.06	2.81					
Ashland	5.85	3.06	3.52	2.48	2.82	2.91	1.81	2.30	3.24	2.42	1.41	1.25	33.07
Athens	1.67	2.35	4.04	1.38	0.92	1.83	2.01	2.96	2.35	0.92	0.49	1.36	22.28
Bangorville	6.79	3.89	3.68	2.39	2.13	3.19	1.67	3.18	2.78	2.05	2.08	1.29	35.12
Batavia	3.87	2.72	1.68	1.98	1.27	0.80	1.29	1.68	2.60	0.73	1.44	1.32	21.38
Bellefontaine	7.47	4.64	1.77	1.34	2.57	3.48	2.33	3.84	2.23	2.74	1.95	0.98	35.34
Bellpoint	4.68	2.64	1.35	1.06	1.68	2.04	1.49	2.20	2.17	0.29	0.70	1.48	21.78
Beverly	2.08	2.14	3.00	1.31	1.09	1.08	0.76	2.55	2.31	1.26	0.68	1.65	19.91
Bowling Green	[5.01]	[1.59]	2.12	2.99	0.93	2.31	1.15	1.20	2.77	0.97	1.70	0.65	23.39
Brecksville	4.54	2.26	3.28	2.04	1.86	3.85	0.76	1.36	1.61	1.75	1.11	1.80	26.22
Bucyrus	7.28	2.08	3.60	3.14	2.49	3.85	2.80	3.80	3.47	2.04	1.83	1.45	37.83
Cadiz	3.54	[2.40]	2.98	1.89	2.45	1.68	2.43	1.14	2.66	1.02	1.29	1.73	25.21
Cambridge	3.41	2.26	2.80	1.24	1.69	1.36	0.51	1.98	1.58	1.62	0.98	1.47	20.90
Canfield	1.17	[1.45]	2.94	3.44	2.24	3.31	2.58	1.62	3.11	1.99	1.06	1.11	26.02
Canton	4.30	3.78	3.48	2.48	2.42	3.83	1.29	1.51	3.02	0.85	1.45	2.06	30.47
Catawba Island	3.98	2.01	2.65	2.18	2.16	1.84	2.13	0.82	3.67	1.20	1.13	0.54	24.31
Charlestown	3.84	2.08	3.06	2.44	1.67	2.91	2.26	1.92	2.11	1.81	1.63	1.24	26.97
Chillicothe	3.31	2.83	2.75	2.06	0.72	0.29	1.89	2.34	3.16	0.70	1.94	1.52	23.51
Chilo	4.15	3.53	2.12	2.28	1.22	2.12	2.92	1.77	1.57	0.69	1.61	2.21	26.19
Cincinnati (Abbe Observatory)	4.25	2.95	1.91	2.05	1.01	0.98	2.46	1.24	4.38	0.78	1.28	1.20	24.49
Cincinnati (Government Building)	3.82	2.89	1.89	2.30	1.27	0.99	1.34	1.35	3.60	0.72	1.20	1.37	22.74
Circleville	3.87	2.67	3.32	1.41	0.92	2.70	1.07	2.33	2.87	0.63	1.43	1.28	24.50
Cleveland (Weather Bureau)	5.01	2.45	2.68	2.08	1.87	1.84	0.74	1.84	1.69	1.52	2.27	0.89	24.88
Cleveland (Carroll University)	5.03	2.77	3.12	1.74	1.96	2.31	0.79	1.71	1.85	1.51	2.67	0.88	26.34
Columbus (Weather Bureau)	4.86	3.45	2.13	1.28	1.04	1.25	1.28	2.45	1.05	0.70	1.31	0.80	21.60
Columbus (No. 2)	4.72	3.52	2.34	1.54	1.59	1.84	0.90	2.45	1.73	0.76	1.92	1.41	24.72
Cortland	3.93	1.88	2.77	2.88	1.90	3.55	2.34	2.23	2.53	2.90	1.81	1.39	30.11
Coshocton			2.73	1.92	2.35	1.70	0.63	1.00	1.78	0.74	1.29	1.50	
Dam No. 28 (Ohio River)	2.02	2.86	2.57	1.38	1.79	1.42	2.06	3.19	1.61	0.92	1.29	2.26	23.37
Danbury	4.84	2.27	2.66	2.35	1.76	2.77	1.97	0.60	4.84	1.18	1.15	1.05	27.44
Dayton	5.27	2.31	1.97	1.54	2.64	2.38	1.57	4.98	2.76	1.17	1.37	0.97	28.93
Defiance	5.01	1.30	1.72	4.30	1.45	2.72	1.09	3.77	2.37	1.49	1.23	0.98	27.43
Delaware	5.35	3.15	2.09	1.38	2.07	2.51	1.82	2.87	1.50	1.75	1.59	0.98	27.06
Demos	2.60	2.66	3.89	1.63	2.09	1.97	1.13	1.30	3.04	1.15	0.97	2.03	24.46
Dennison	3.78	2.18	2.33	1.38	2.36	1.89	1.15	2.54	2.75	1.25	1.31	1.25	24.17
Dover	3.70	2.95	2.45	1.44	2.57	1.74	1.91	1.64	2.09	0.75	1.60	0.96	23.80
Eaton	8.08	3.12	2.31	1.78	1.27	2.35	1.51	3.18	4.37	1.80	1.90	1.72	33.39
Ellsworth	1.59	0.84	1.49	3.21	2.39	2.89	1.88	2.25	4.07	2.35	1.00	0.76	24.72
Fernbank	4.50	2.64	2.01	1.76	0.81	1.24	1.16	2.10	5.11	0.83	1.14	1.58	24.88
Findlay		1.23	2.59	2.22	1.76	3.24	1.08	1.90	2.38	1.11	1.49		
Franklin	5.28	3.35	2.21	1.92	2.00	2.33	1.42	3.03	3.41	1.24	1.05	1.36	28.60
Fremont	5.73	1.78	3.65	2.65	1.84	2.26	1.84	1.61	3.78	1.34	0.97	1.51	28.96
Gallipolis	1.62	3.29	3.13	1.87	2.44	2.07	0.74	3.80	0.71	1.02	1.71	2.27	24.67
Germantown	6.45	3.48	2.41	1.75	2.34	1.85	1.55	3.17	2.53	0.99	1.57	1.05	29.14
Granville	4.63	3.02	3.07	2.30	1.89	1.48	0.84	2.45	3.57	1.07	1.93	1.44	27.69
Greenville	7.53	3.94	1.90	1.86	1.96	3.23	2.76	4.25	2.77	1.96	2.31	1.28	35.75
Hamilton (No. 1)	5.64	3.45	2.26	2.18	1.53	1.35	2.57	2.51	4.02	1.49	1.57	1.35	29.92
Hamilton (No. 2)	5.20	3.46	1.93	1.86	1.58	0.89	2.37	2.63	2.69	1.27	1.35	1.52	26.75
Hillsboro	4.86	3.50	3.35	3.18	0.90	1.96	2.76	2.36	4.35	0.70	1.70	1.49	31.11
Hiram	4.56	2.13	2.58	2.27	1.69	2.87	1.71	2.00	1.69	3.52	2.12	1.18	28.32
Holgate	5.35	1.27	2.33	4.09	1.70	2.35	0.82	2.93	2.46	1.13	1.42	0.90	26.75
Ironton	2.19	3.20	3.06	1.58	2.02	2.39	2.20	3.01	2.13	1.15	1.34	2.06	26.33
Jackson	2.85	2.96	3.59	1.23	1.95	2.03	3.40	2.00	1.64	1.05	1.45	1.86	26.01
Jefferson	4.61	2.12	4.10	3.09	1.83	4.55	0.83	3.15	2.69	2.21	3.30	1.52	34.00
Kenton	5.68	1.89	1.94	1.48	1.62	3.93	1.01	4.09	3.82	2.11	1.54	0.78	29.89
Kings Mills	4.74	3.36	2.43	2.18	1.24	1.25	1.54	2.96	4.32	1.13	0.71	1.59	27.45
Kinsman				3.10	1.55	3.60	2.08	1.33	3.35	1.94	2.00	1.55	29.85
Lake Milton	3.65	1.78	3.12	2.20	1.85	2.74	1.72	1.88	2.25	2.04	1.07	0.81	25.11
Lakeview	6.83	2.83	2.04	1.68	2.03	4.49	1.16	[3.94]	3.70	1.60	1.00	1.23	32.63
Lancaster	4.36	2.67	3.43	1.62	0.72	0.91	1.19	2.04	2.48	0.81	2.05	1.37	28.65
Larue	5.47	[2.10]	2.17	1.85	2.15	5.39	1.44	1.33	5.14	2.25	1.24	1.13	31.66
Lima	6.68	1.69	2.84	2.12	1.65	1.86	1.44	3.80	3.77	0.96	1.12	0.69	28.62
London	[5.46]	2.48	1.65	1.80	2.69	2.40	1.22	2.97	1.86	0.82	1.35	0.97	25.37
Lowell	2.12	2.88	3.40	1.29	0.91	0.81	0.59	1.69	1.76	0.81	0.82	2.11	19.19
McArthur	3.16	2.85	3.49	1.52	1.04	0.97	1.70	3.81	2.50	1.01	1.19	1.55	24.79
McConnelsville (No. 1)	[2.50]	[2.08]	4.19	2.07	0.85	1.82	0.86	2.10	1.80	0.71	1.14	1.56	21.68
McConnelsville (No. 2)	2.47	2.18	4.02	1.55	1.50	1.64	1.08	2.45	2.33	0.71	0.57	1.77	22.27
Mansfield	6.08	3.09	3.88	2.56	2.97	2.34	1.91	1.91	3.73	2.08	2.01	1.21	33.67
Marietta (No. 1)	2.45	2.45	3.60	1.70	1.45	1.27	1.27	2.30	1.67	1.00	1.05	2.51	22.72

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Ohio—Continued													
Marietta (No. 2)	2.29	2.49	3.53	1.54	1.47	1.07	1.46	1.95	1.74	0.91	0.79	2.40	21.64
Marion	6.73	2.76	3.09	1.97	3.31	4.53	2.02	1.00	5.37	2.38	1.93	1.04	36.13
Marysville	6.07	3.06	1.96	1.36	2.44	2.77	1.15	2.98	1.68	2.09	2.51	1.65	29.72
Medina	5.29	2.74	3.35	2.26	1.81	3.10	2.09	1.50	2.10	1.66	1.65	1.02	28.57
Miamisburg	6.64	3.59	2.18	2.20	2.47	2.59	2.23	4.22	2.33	1.37	1.63	1.37	32.82
Middleport	2.20	3.01	3.91	1.79	1.93	1.85	1.60	2.48	2.05	0.99	1.55	0.81	24.17
Middletown	6.09	3.42	2.54	2.35	2.18	2.11	1.72	1.37	4.88	1.48	1.57	1.72	31.43
Millersburg	4.38	2.57	2.32	2.01	1.58	3.33	0.91	2.12	2.50	1.10	1.81	1.24	25.87
Millport	3.61	3.69	2.98	2.54	3.29	1.45	1.48	1.66	2.07	1.93	1.05	1.15	26.90
Mineral Ridge	3.48	1.60	2.53	2.83	1.55	3.63	1.90	2.62	1.89	2.65	1.22	1.49	27.39
Montpelier	4.57	1.35	1.42	3.28	2.07	1.67	0.61	2.55	2.38	2.16	1.20	0.93	24.19
Mount Healthy	[4.40]	2.21	1.77	1.48	0.88	0.92	1.84	1.94	4.00	1.10	1.18	1.04	22.76
Mount Vernon (near)	5.81	4.22	2.14	1.60	2.16	1.83	1.36	2.66	3.25	0.67	1.66	1.24	28.60
Napoleon	5.28	1.96	2.19	4.52	1.67	2.35	1.58	5.03	1.83	1.04	1.84	0.50	29.79
New Bremen	5.83	1.90	1.96	1.96	1.45	2.79	1.20	4.28	1.99	1.55	1.13	0.45	26.49
New Carlisle	5.66	2.99	1.51	1.12	2.91	3.92	2.11	3.53	3.36	1.50	1.65	1.33	31.59
Newcomerstown	3.69	2.11	3.38	2.58	2.41	1.06	0.94	1.29	1.65	1.05	1.21	1.15	22.52
North Bass Island	4.45	------	2.04	2.28	2.21	1.23	0.97	1.41	------	------	------	------	------
Norwalk	4.74	[1.80]	2.35	2.94	2.40	2.89	0.85	0.94	4.31	1.07	1.66	0.96	26.91
Oberlin	5.97	1.98	2.65	2.27	2.83	2.17	1.46	1.81	2.53	1.44	1.35	1.15	27.61
Ohio State University	3.99	3.85	2.12	1.60	1.29	1.63	1.47	2.80	1.42	0.82	1.91	1.00	23.90
Ottawa	5.94	1.66	2.63	2.62	1.37	4.59	1.06	2.09	3.31	0.92	1.77	1.21	29.17
Oxford	6.84	3.21	1.98	2.12	2.09	1.31	2.46	3.22	2.57	1.42	1.66	1.40	30.28
Pataskala	4.92	3.24	3.06	1.81	1.10	1.32	1.28	2.42	2.64	------	------	------	------
Paulding	4.84	1.20	2.32	4.02	2.35	3.13	1.00	1.45	4.43	1.30	2.12	0.92	29.08
Peebles (near)	4.28	3.23	3.20	1.53	1.20	0.57	3.46	3.73	2.92	0.86	1.71	1.43	28.12
Phalanx	4.45	1.90	2.63	2.74	1.16	2.65	2.59	2.43	2.17	2.16	3.51	1.08	29.47
Philo (No. 1)	2.92	2.71	3.25	0.76	1.19	1.02	0.85	1.78	2.38	1.18	1.29	1.09	20.42
Philo (No. 2)	2.90	2.84	4.15	1.22	1.32	1.23	1.09	1.70	2.15	0.46	1.40	1.47	21.93
Piqua	6.78	3.97	1.95	2.24	1.70	3.23	2.20	2.79	3.76	2.29	1.37	1.34	33.62
Pleasant Hill	6.22	2.85	1.81	0.59	2.16	3.14	1.98	2.21	2.68	1.87	1.31	1.14	27.96
Portsmouth (No. 1)	2.65	2.93	2.89	1.35	1.42	1.18	0.72	3.20	2.04	1.13	1.37	1.76	22.64
Portsmouth (No. 2)	2.64	3.15	3.77	1.16	1.26	1.28	0.70	3.02	1.92	1.19	1.37	1.94	23.40
Prospect	5.91	4.48	1.89	2.10	2.89	2.04	2.17	1.03	2.92	2.23	0.64	1.08	29.38
Put-in-Bay	4.95	1.31	1.97	2.24	2.31	1.73	1.31	0.58	2.71	1.24	1.28	0.59	22.22
Russellville	4.21	3.87	2.32	3.07	0.98	------	------	------	------	------	------	------	------
St. Paris	6.72	2.74	1.34	2.04	3.59	4.16	1.14	5.32	2.85	2.77	1.45	1.15	35.27
Sandusky	5.41	1.81	3.71	2.70	2.79	2.94	1.34	1.16	3.88	1.07	1.45	0.84	29.10
Sidney	6.20	4.17	2.02	2.22	1.79	5.64	1.53	4.14	2.41	1.81	1.62	1.12	34.67
Springfield (No. 1)	5.01	3.03	1.95	0.87	1.63	1.64	0.83	2.22	2.16	0.98	1.71	1.03	23.06
Springfield (No. 2)	5.19	3.07	2.42	1.19	2.23	2.78	2.20	1.84	3.53	1.41	1.17	1.99	29.02
Summerfield	2.77	2.57	4.04	1.41	1.95	2.52	1.48	2.41	2.01	1.06	1.03	2.10	25.35
Tiffin	6.65	1.61	3.12	2.40	1.65	4.81	1.03	1.24	2.85	0.98	0.79	1.50	28.63
Tippecanoe City	6.73	3.07	1.78	0.93	1.98	4.53	1.63	3.61	2.92	1.88	1.30	1.33	31.69
Toboso	4.86	3.09	3.48	2.37	1.82	1.90	1.13	2.08	0.96	0.82	1.47	[1.30]	25.28
Toledo	4.67	1.71	2.76	2.86	1.05	1.76	0.68	0.86	2.24	1.82	1.65	0.83	22.89
Upper Sandusky	6.68	1.82	2.93	2.03	2.09	3.78	2.08	2.98	4.77	1.50	1.54	1.23	33.43
Urbana	5.57	3.97	2.62	1.53	2.76	2.80	1.96	4.92	1.70	1.91	1.65	1.00	32.39
Valley Crossing	4.46	3.20	2.50	1.42	0.91	1.69	1.08	2.43	2.20	0.66	1.72	1.13	23.40
Van Wert	6.23	1.39	2.21	3.30	1.71	3.44	2.77	2.73	5.00	1.55	1.70	0.40	32.43
Versailles	7.56	3.25	1.90	2.60	2.50	3.80	3.08	3.97	3.59	2.26	1.64	1.47	37.62
Vickery	5.82	1.59	3.11	2.43	1.59	3.40	2.17	0.84	3.58	1.14	1.12	0.59	27.38
Walhonding	4.50	2.84	1.83	1.89	1.14	1.17	0.59	1.71	1.16	0.53	1.47	0.75	19.58
Wapakoneta	5.92	2.00	2.16	1.19	1.23	3.77	1.29	3.70	4.08	1.09	1.51	0.74	28.68
Warren	4.18	1.97	3.62	3.73	1.35	4.13	2.34	2.36	2.34	3.03	2.57	1.15	32.77
Washington Courthouse	3.29	2.90	1.99	1.52	0.98	1.32	2.10	2.07	1.78	0.57	1.63	0.98	21.13
Wauseon	5.01	1.77	1.58	3.01	1.46	2.73	0.90	1.91	1.28	1.49	1.22	0.71	23.07
Waverly	3.30	2.43	2.56	[1.10]	1.01	1.11	0.64	1.67	3.63	1.08	0.94	1.41	20.88
West Manchester	8.15	3.75	2.21	1.55	1.31	3.08	3.13	2.14	4.34	2.58	1.95	1.53	35.72
Willoughby	4.29	2.06	2.08	2.98	2.23	2.65	0.82	1.54	2.64	3.00	1.81	1.39	27.49
Wilmington	6.32	2.33	3.31	2.04	1.35	1.25	0.88	1.74	1.58	0.04	1.60	1.30	23.74
Wooster (No. 1)	5.33	2.63	3.07	2.23	1.59	2.86	1.71	2.64	2.53	1.81	1.21	1.17	28.78
Wooster (No. 2)	4.70	2.51	2.93	2.15	1.63	2.41	1.81	2.40	2.45	1.76	1.20	1.11	27.06
Xenia	5.12	2.90	1.73	1.87	1.46	2.79	1.42	4.03	2.51	0.82	1.36	1.28	27.29
Youngstown	3.51	1.85	2.49	3.08	2.04	2.50	2.06	2.07	2.61	1.77	0.87	0.94	25.79
Zanesville	3.43	2.61	3.33	1.21	1.24	1.51	0.92	1.10	1.35	0.81	1.08	1.32	19.91
Oklahoma													
Ada	3.55	2.18	0.25	3.28	5.53	4.39	0.25	0.95	2.65	2.25	2.93	1.90	30.11
Altus	1.40	T.	1.60	2.95	2.25	1.91	0.90	1.06	0.18	7.31	0.95	1.75	22.26
Alva	2.30	0.25	0.23	3.08	6.62	2.59	3.33	1.71	1.48	1.67	1.41	0.66	25.33
Antlers	2.35	2.41	2.79	4.04	11.81	0.12	0.40	3.19	4.44	4.39	3.92	1.96	41.82
Apache	2.19	0.34	0.47	4.52	6.48	3.76	0.22	1.12	2.63	7.75	3.78	2.81	36.07
Arapaho	1.88	T.	0.58	4.20	7.70	2.87	1.13	0.27	0.59	1.98	0.97	0.70	22.87
Ardmore	1.43	5.31	1.16	3.45	6.70	2.01	0.80	1.79	1.79	4.42	2.97	2.71	34.54
Arnett	0.70	0.07	0.33	2.71	5.43	2.87	1.01	0.73	2.38	2.01	1.29	0.73	20.26
Ateka	3.79	3.56	1.50	2.04	9.27	1.87	0.00	1.57	2.22	4.75	3.80	[2.50]	36.87
Bartlesville	2.06	0.65	0.33	7.31	6.46	6.27	1.89	1.60	7.25	2.42	3.09	1.94	41.27
Beaver	0.14	0.10	0.45	2.65	2.87	2.58	1.24	0.83	0.99	1.05	1.94	0.35	15.19
Blackwell	1.27	0.02	T.	2.58	3.57	6.15	0.95	2.74	1.98	2.11	2.18	1.36	24.91
Boise City	0.20	T.	0.65	0.88	1.39	0.84	3.03	1.35	1.56	9.77	1.22	0.20	21.09
Bristow	1.12	2.15	1.20	3.57	6.89	4.54	1.96	3.08	1.55	2.15	[2.25]	2.48	32.94
Broken Arrow	3.53	2.46	0.35	3.14	6.79	5.60	2.57	1.34	3.52	2.62	3.39	3.01	38.32
Buffalo	0.80	0.00	0.00	2.39	1.34	1.64	2.99	0.29	[1.40]	1.82	1.30	0.20	14.17
Calvin	4.01	4.60	0.45	1.90	7.05	6.15	0.64	2.05	1.04	3.21	3.27	2.40	36.77
Camargo	0.70	0.19	0.22	2.72	5.00	6.17	1.01	1.32	3.19	2.84	0.49	1.09	24.94
Canton	0.85	0.15	T.	2.86	7.50	3.30	0.60	0.60	0.55	4.12	1.19	0.95	22.67
Carnegie	2.21	0.14	0.40	3.82	4.90	2.14	0.47	0.42	1.35	5.69	1.94	2.50	25.98
Chandler	2.65	1.83	0.30	1.89	5.48	5.18	0.49	3.30	1.24	3.39	1.70	2.88	30.33
Chattanooga	2.23	0.05	0.34	3.13	6.11	3.55	0.27	1.21	2.36	8.31	0.89	2.50	30.95
Cherokee	1.09	0.04	0.10	2.72	5.50	3.27	1.92	1.48	0.55	2.06	1.73	0.66	21.12
Cheyenne	1.41	T.	0.64	3.09	6.99	2.65	0.36	1.90	0.63	2.84	1.06	0.88	22.43
Chickasha	2.30	0.31	0.35	3.05	8.16	3.17	0.82	1.44	1.47	6.25	2.36	1.97	31.65
Claremore	3.16	1.86	1.02	2.60	5.95	6.42	0.94	2.32	3.93	2.12	4.37	2.60	37.29
Cleveland	6.21	0.85	0.33	5.52	4.82	5.56	0.93	2.93	1.81	2.90	2.68	1.94	36.48
Cloud Chief	1.25	T.	0.64	3.45	5.53	1.41	0.57	0.46	2.74	3.15	1.16	1.64	22.00

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
***Oklahoma*—Continued**													
Durant	1.83	1.62	1.12	3.59	9.90	1.29	0.25	0.78	1.55	5.96	3.72	2.08	33.69
Elk City	[1.30]	T.	0.35	3.52	4.75	1.85	0.60	1.37	0.40	5.22	0.80	0.85	21.01
Enid	2.32	0.08	0.15	2.03	5.45	2.85	1.59	2.88	1.87	3.66	0.92	1.43	25.23
Erick	1.74	T.	0.96	2.88	6.23	5.36	0.78	1.51	0.47	5.51	0.87	1.50	27.81
Eufaula	4.13	3.93	0.68	1.97	8.81	3.53	1.49	1.82	2.89	4.94	5.14	4.42	43.75
Fort Gibson	3.99	2.32	1.70	2.38	7.75	4.72	0.12	1.34	2.94	3.27	3.84	3.85	38.22
Fort Reno	1.55	0.20	0.25	4.00	9.46	2.74	0.42	1.43	0.94	4.60	1.59	2.03	29.21
Frederick	2.42	0.02	0.40	2.58	3.72	3.21	0.62	1.23	2.82	7.23	0.99	2.48	27.72
Geary	2.39	0.06	0.22	2.55	6.65	1.57	1.97	0.57	0.46	3.32	2.35	1.58	23.69
Goodwell	0.32	0.03	0.25	0.63	0.57	2.59	4.24	1.75	3.15	4.39	0.33	0.28	18.53
Guthrie	1.35	0.82	0.37	2.01	11.22	4.97	0.84	2.65	1.79	3.40	1.61	1.85	32.88
Hammon	1.42	T.	0.31	3.53	6.15	5.20	0.37	1.35	0.86	3.54	0.91	1.13	24.77
Hennessey	3.23	0.17	0.12	2.31	5.90	2.72	0.55	2.80	2.23	3.14	1.46	1.65	26.28
Hobart	1.35	0.00	0.90	4.03	4.08	3.72	0.55	0.60	1.36	4.40	1.56	0.99	23.54
Holdenville	3.76	3.51	0.64	1.30	6.80	4.75	0.29	3.31	1.63	3.34	3.48	2.99	35.20
Hollis	1.47	0.10	T.	4.19	2.70	1.10	0.33	1.15	0.60	8.60	0.68	2.43	23.35
Hooker	0.62	T.	0.38	1.19	2.51	4.32	3.57	2.09	2.97	5.61	0.20	0.19	23.65
Hugo	2.41	2.96	2.44	3.96	11.75	0.41	T.	0.81	1.78	5.00	3.48	[1.50]	36.50
Idabel	4.04	4.77	1.99	2.01	9.56	0.34	0.03	2.67	3.17	4.15	3.38	1.23	37.34
Jefferson	2.75	0.05	0.23	1.57	5.45	3.20	0.95	3.14	0.77	3.90	0.93	0.98	23.92
Kenton	0.37	0.06	0.80	0.79	1.07	1.73	3.83	1.31	0.67	5.19	1.41	0.31	17.54
Kingfisher	1.93	0.10	0.35	2.68	7.81	4.06	1.58	3.14	1.15	3.25	1.59	1.76	29.40
Lawton	2.32	0.29	0.30	4.81	6.29	2.63	0.55	0.69	1.81	10.85	1.97	3.36	35.87
McAlester	4.72	2.91	0.98	1.57	7.00	3.47	0.33	1.73	1.12	4.88	3.73	2.99	35.43
Mangum	1.52	T.	1.35	3.60	3.95	2.37	0.25	1.49	0.90	5.08	0.39	1.61	22.51
Marlow	2.40	1.02	0.62	3.80	10.05	2.34	0.17	0.68	3.20	7.85	2.30	2.70	37.13
Meeker	3.12	2.37	0.12	2.36	4.20	6.50	4.75	2.53	0.70	4.16	2.04	3.73	36.58
Miami	4.29	1.89	0.69	4.56	3.27	4.57	1.38	1.81	6.29	2.39	2.17	0.63	33.94
Muskogee	4.09	2.40	1.37	2.49	7.37	4.36	0.19	0.98	3.75	3.50	4.25	3.62	38.37
Mutual	1.47	T.	0.37	2.64	5.95	3.26	0.33	1.20	0.97	1.94	0.32	0.40	18.85
Newkirk	1.09	0.05	0.03	2.88	4.35	7.26	2.66	2.90	2.23	2.19	2.51	1.62	29.77
Norman	1.25	2.10	0.57	2.85	4.44	5.44	0.26	2.90	0.95	4.71	1.92	2.93	30.32
Oakwood	5.15	0.00	0.00	3.36	3.74	3.19	0.48	0.43	1.46	4.85	0.70	1.16	24.52
Okay	4.21	2.00	0.86	1.70	6.44	4.74	0.13	0.76	3.10	3.17	3.82	2.67	33.60
Okeene	1.67	T.	0.11	2.29	5.31	2.59	1.52	0.95	2.04	5.14	2.02	1.21	24.85
Okemah	1.81	3.05	1.00	1.06	7.45	6.18	0.23	2.81	2.35	3.27	2.35	4.03	35.59
Oklahoma City	2.69	1.29	0.25	2.30	7.53	8.76	0.60	3.12	0.16	6.10	2.11	3.52	38.43
Okmulgee	3.79	2.21	0.98	1.81	7.60	5.37	0.17	1.78	1.42	3.16	3.16	4.00	35.45
Pauls Valley	2.65	3.16	0.57	3.91	5.06	3.64	1.73	2.46	2.42	3.19	3.07	2.59	34.45
Pawhuska	2.57	0.48	0.17	7.09	6.32	8.84	1.95	2.74	7.71	2.26	2.62	1.76	44.51
Pensacola	1.23	1.52	0.35	4.18	6.54	7.20	0.25	0.81	5.26	3.69	2.84	2.26	36.13
Perkins	1.80	0.70	0.43	2.51	7.47	4.76	0.71	3.90	1.28	3.48	1.26	3.35	31.65
Perry	1.92	1.09	0.17	1.74	5.88	2.08	0.30	4.00	1.94	3.08	3.46	1.82	27.48
Ponca City				5.27			2.58	2.49	1.46	2.38	2.94	1.55	
Poteau	[4.00]	1.67	0.93	1.44	8.78	1.08	1.38	1.73	3.11	4.13	2.79	2.46	33.50
Pryor	3.97	2.27	0.25	2.84	7.86	8.28	1.83	1.63	5.77	3.26	3.39	2.08	43.43
Purcell	2.21	2.75	0.44	4.85	5.64	6.08	0.98	2.60	0.90	5.21	2.30	2.92	36.88
Ralston	2.27	0.30	0.44	3.08	8.97	7.59	0.48	2.45	2.90	2.82	2.22	1.51	35.03
Reno Junction	[2.00]	0.14	0.16	2.17	6.98	3.38	0.17	1.45	0.54	3.76	1.83	2.06	24.64
Sageeyah	6.07	1.89	0.27	2.48	6.31	5.87	1.01	1.41	4.55	3.00	3.45	2.33	38.64
Sallisaw	3.91	1.95	0.92	1.20	9.88	2.71	0.40	2.41	3.48	3.10	3.18	2.96	36.10
Shawnee	1.98	3.18	0.19	3.23	3.96	5.55	1.17	2.90	1.05	4.42	2.29	3.58	33.50
Smithville	4.88	1.25	1.70	1.75	13.79	1.10	0.45	1.38	3.10	4.40	4.38	1.83	40.01
Spavinaw	3.78	2.24	T.	3.05	6.92	6.50	0.51	1.23	4.60	3.77	3.16	3.44	39.20
Stillwater	2.13	2.15	0.35	2.47	6.23	2.36	0.04	3.84	0.91	2.02	1.36	2.19	26.06
Sulphur	2.10	2.76	1.23	3.73	7.99	2.57	1.18	3.42	1.73	2.47	4.02	2.34	35.54
Supply	0.70	T.	0.14	2.53	4.64	2.69	1.40	0.52	1.41	2.59	0.87	0.27	17.76
Tahlequah	1.56	[2.30]	1.07	2.18	6.57	3.35	0.51	2.00	1.88	4.37	4.30	2.09	32.18
Tishomingo	3.07	4.57	2.00	2.27	10.92	0.82	0.00	1.94	1.88	5.41	3.81	3.03	39.72
Tulsa	3.55	2.47	0.32	2.63	5.18	5.75	2.33	2.82	3.18	3.38	2.43	3.64	37.68
Tuskahoma	4.21	2.18	2.92	3.09	13.57	1.30	2.43	4.11	5.87	5.23	3.19	1.42	49.52
Union City	2.76	0.20	0.40	2.17	5.84	5.08	0.62	1.63	0.78	5.04	2.22	2.33	29.07
Vinita	4.12	2.66	0.96	4.35	6.75	7.90	0.46	3.90	6.57	3.82	2.83	2.42	46.74
Walters	1.02	0.14	0.73	2.73	3.84	4.50	0.82	0.21	1.02	10.66	1.35	[2.50]	29.52
Watonga	1.30	0.06	0.05	3.62	10.74	2.68	1.51	0.66	0.89	3.01	2.56	1.64	28.72
Watts	6.31	2.91	1.14		5.96	3.15	0.20	2.81				2.75	
Waukomis	2.27	T.	0.11	3.24	4.97	1.94	1.83	2.66	1.58	3.22	1.42	1.45	24.69
Waurika	1.91	1.65	1.00	1.07	2.64	3.37	0.37	0.56	2.39	7.52	1.33	2.48	26.29
Weatherford	1.45	0.14	0.45	3.66	7.26	2.14	0.49	0.85	0.48	2.63	1.71	1.57	22.83
Webbers Falls	3.81	2.46	0.51	1.85	8.11	2.36	0.81	3.04	2.95	5.24	3.40	3.29	37.83
Wichita National Forest	1.19	0.39	0.29	4.98	2.82	2.04	0.40	0.59	1.16	7.63	1.88	1.43	24.80
Woodward	0.59	T.	0.18	2.94	8.25	4.18	0.46	0.99	0.92	2.42	1.61	0.77	23.31
Wyandotte	1.11	1.72	0.20	3.41	6.54	6.76	0.55	2.30	9.50	3.03	4.03	1.69	40.84
Oregon													
Albany	2.90	5.58	1.65	3.39	2.56	0.99	T.	0.01	1.95	1.58	3.52	2.54	26.67
Andrews	1.30	0.72	0.40	1.39	1.12	0.23	T.	0.12	0.80	0.96	0.47	0.08	7.59
Antelope	1.80	0.89	0.44	0.76	0.92	0.15	T.	0.43	0.56	0.66	1.10	0.89	8.60
Arlington	1.80	1.13	0.26	0.20	T.	T.	T.	T.	0.40	0.58	0.95	[0.39]	5.71
Ashland	2.06	1.97	0.56	1.20	1.44	0.55	0.00	T.	0.95	0.44	2.04	0.93	12.14
Astoria	7.87	11.87	6.28	3.55	5.76	1.74	0.15	0.14	3.12	4.65	6.52	6.63	68.38
Austin	4.45	3.65	2.39	0.75	1.46	0.37	0.00	0.68	1.24	0.40	1.90	0.79	18.08
Baker	0.86	0.74	0.17	1.71	1.74	0.86	0.05	1.16	0.73	0.29	0.36	0.64	9.31
Bear Creek	0.94	0.29	0.04	1.20	0.92	T.	0.00	0.35	0.31	0.04	0.44	0.10	4.63
Bear Valley	1.80	1.11	0.35	0.50	1.54								
Beech Creek	1.11	0.97	0.40	1.35	1.89	1.12	0.00	0.32	1.25	1.01	1.43	0.91	11.76
Bend	1.72	1.00	0.72	0.48	1.09	0.35	0.00	0.36	1.25	0.29	1.79	0.14	9.19
Big Eddy	1.96	1.52	0.55	0.24	0.22	0.22	0.00	0.03	0.18	1.00	1.60	0.57	8.09
Biltzen	1.32	0.84	0.68	1.35	0.76	0.30	0.04	0.74	1.70	0.49	0.10	0.16	8.48
Brookings	10.04	9.66	2.67	6.94	2.59	0.51	0.00	0.13	5.45	2.39	5.37	5.78	51.53
Cascade Locks	4.17	13.68	4.02	4.70	4.42	1.39	0.00	0.00	1.10	5.50	6.66	4.21	49.85
Cascade Summit	1.93	7.88	1.34	[4.90]	3.81	0.56	0.00	0.23	1.75	2.54	6.12	1.93	33.09
Cascadia	5.52	11.52	3.58	5.23	5.29	2.03	0.07	0.00	3.21	4.64	6.46	[4.18]	51.73
Cazadero	3.56	9.24	3.31	3.54	5.49	1.60	0.08	0.04	2.17	3.45	4.31	3.59	40.38
Chiloquin	2.06	1.31	0.40	0.96	0.26	T.	0.00	0.20	1.85	0.33	2.17	0.59	10.13
Condon	1.27	0.70	0.56	1.20	0.78	0.34	T.	0.35	1.00	0.52	1.10	0.41	8.23
Coquille River Lighthouse	6.26	6.45	2.65	2.67	3.41	0.81	0.00	0.08	1.58	1.52	3.68	4.91	34.03

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Oregon—Continued													
Cornucopia	3.89	6.64	2.39	3.21	4.05	2.27	0.22	0.46	1.75	2.78	3.50	2.30	33.46
Corvallis	2.99	5.07	1.47	2.97	1.14	0.94	0.00	T.	2.01	1.43	3.33	2.33	23.68
Cottage Grove	3.82	6.19	1.55	4.17	3.17	0.73	0.00	0.02	1.82	1.83	4.62	2.70	30.62
Cove	1.79	3.55	2.13	2.88	3.29	1.26	0.26	0.25	1.28	3.11	0.81	1.38	21.99
Crater Lake	7.54	7.64		3.31	2.62			0.11			1.96	2.93	
Crossett	6.92	10.59	5.03	3.25	5.51	2.17	T.	0.13	1.73	4.98	7.41	6.98	55.30
Cruzatte	7.61	13.13	3.04	4.84	6.54	3.21							
Danner	1.05	1.11	0.76	0.84	1.00	0.42	0.00	0.15	0.53	0.63	0.64	T.	7.13
Dayville	0.69	0.43	0.30	0.64	1.58	1.41	T.	0.06	0.58	0.74	0.36	0.87	7.66
Detroit	5.70	11.30	4.25	4.03	4.83	1.21	0.00	0.00	2.08	4.96	7.23	4.42	50.01
Doraville	3.69	6.36	2.78	3.51	3.27	1.54	0.03	0.22	1.22	3.01	3.77	3.45	32.85
Drain	4.52	6.16	1.21	3.24	3.13	0.54	0.00	0.00	1.91	1.88	4.80	2.45	29.84
Dufur	1.50	1.49	0.49	0.30	0.17	0.06	T.	0.02	0.24	1.11	1.22	0.41	7.01
Echo	1.58	1.40	0.55	0.64	0.75	0.00	0.00	0.02	0.79	0.15	0.88	0.49	7.25
Eugene	3.96	4.91	1.73	2.75	2.32	1.02	0.01	0.01	1.86	1.85	3.96	2.01	26.39
Eula	3.14	6.13	2.49	4.62	4.80	1.20	T.	0.00	1.81	2.64	6.56	2.95	36.34
Fall River	3.38	2.61	0.68	0.90	1.12	0.15	T.	0.78	1.53	0.74	3.83	0.92	16.64
Falls City	5.85	11.14	2.60	4.25	2.52	0.76	0.05	T.	1.67	1.37	5.80	3.42	39.43
Fish Lake	4.23	4.06	1.01	3.68	3.39	0.95	0.00	[0.00]	[3.47]	0.88	5.65	2.64	29.96
Forest Grove	4.23	6.93	1.65	2.93	2.77	0.84	0.02	0.03	2.02	1.28	3.46	3.07	29.23
Fossil	0.66	1.02	1.19	1.24	0.94	0.16	T.	0.42	1.32	0.70	1.98	0.87	10.50
Fremont	2.90	0.53	0.65	0.70	0.39	0.17	T.	0.58	1.46	[0.47]	[0.27]	0.05	8.17
Frenchglen	1.53	0.68	0.49	1.27	0.61	0.42	T.	0.25	1.76	0.43	0.60	0.14	8.18
Friend	2.81	1.43	0.23	0.61	0.60	0.19	0.00	0.48	0.50	0.81	1.80	0.87	10.33
Gerber Dam	2.54	1.78	1.26	1.49	0.76	0.16	0.05	0.20	1.54	0.66	1.56	0.53	12.53
Gold Beach	7.40	10.94	4.18	6.67	4.02	0.73	0.00	0.04	3.31	1.75	6.20	6.00	51.24
Government Camp	5.28	13.88	6.79								9.31	7.21	
Grande Ronde	5.25	9.19	2.71	3.64	3.05	1.02	0.00	0.00	1.44	2.13	5.55	5.54	39.52
Grants Pass	3.38	3.39	0.88	1.99	1.25	0.51	0.00	0.00	1.06	0.53	2.64	2.12	17.75
Harney Branch Experiment Station	0.87	0.50	0.72	0.63	0.22	0.12	T.	0.02	0.57	0.18	0.81	0.23	4.87
Harper	1.55	0.51	0.23	0.78	2.01	0.26	T.	0.31	0.53	0.50	0.61	0.12	7.41
Harrisburg	3.82	4.98	1.46									2.72	
Hay Creek	1.18	0.39	0.44	0.77	1.26	0.14	0.00	0.58	0.74	0.36	0.73	0.56	7.15
Headworks	4.62	10.43	4.56	4.64	7.33	3.21	0.00	0.08	3.02	8.40	5.92	6.04	58.25
Hendricks Bridge	4.95	7.65	2.79	5.17						3.43	4.80	3.04	
Heppner	1.16	1.47	0.80	1.11	0.96	0.71	T.	0.19	0.80	1.30	1.14	0.56	10.20
Hermiston	1.27	1.09	0.54	0.29	0.68	0.03	T.	0.17	0.70	0.79	0.92	0.42	6.90
Hillcrest Orchard	1.76	1.99	0.68	1.94	1.48	0.25	0.00	0.00	1.02	0.41	1.30	1.07	11.90
Hillsboro	3.95	4.86	1.24	2.69	2.33	0.65	0.03	0.04	1.58	1.39	2.52	3.19	24.47
Hood River	2.33	4.35	1.55	0.63	0.67	0.22	0.00	T.	0.54	1.83	3.16	1.38	16.66
Howardville	2.35	5.09	2.48	2.13	2.74	1.27	0.31	0.54	2.32	2.11	2.17	1.66	25.17
Huntington	1.33	1.79	0.15	1.13	1.49	0.29	0.00	0.09	1.04	0.40	1.90	0.09	9.70
Intake	2.95	7.25	3.01	3.82	4.64	1.01	0.00	0.00	1.60	2.75	6.01	3.64	36.68
Jacksonville	4.00	3.05	0.69	1.26	0.76	0.89	T.	0.62	0.77	0.39	2.43	1.61	16.47
Jefferson	3.55	6.19	1.99	3.59						1.53	3.37	3.11	
Jewell	3.82	11.02	4.89	3.57	5.83	1.68	0.00	0.00	1.32	4.14	6.35	6.62	49.24
Joseph	1.37	3.08	1.43	1.28	3.68	1.58	0.36	0.42	2.04	1.32	0.74	0.89	18.19
Juniper Ranch	1.24	1.32	0.43	0.69	1.59	0.36	T.	0.17	0.42	0.25	1.11	0.03	7.61
Kenn	2.38	1.59	1.04	0.93	0.52	0.24	T.	0.03	0.97	0.35	2.06	0.51	10.62
Kent	1.03	0.68	0.86	0.59	0.64	0.11	0.00	0.15	0.70	0.23	1.11	0.67	6.77
Kingman	1.34	0.88	0.56	0.75	1.13	0.32	T.	1.09	0.79	0.94	0.26	0.21	8.27
Kinzua							T.	0.97	1.00	0.70	0.68	0.74	
Klamath Falls	1.47	1.09	0.87	1.25	0.58	0.13	0.05	0.03	1.43	0.28	1.99	0.27	9.44
La Grande	2.06	2.77	2.06	1.46	2.50	0.94	0.03	1.43	0.80	2.14	0.77	1.65	18.61
Lake	0.98	0.00	0.56	0.41	0.98	0.31	T.	0.22	0.87	0.31	0.17	0.09	5.21
Lake Creek	3.20	2.98	1.09	2.46	3.05	0.51	0.00	0.00	2.05	1.07	3.19	1.44	21.04
Lakeview	1.69	1.18	1.05	0.90	1.11	0.21	T.	0.51	0.85	0.29	1.02	0.07	8.88
McKinley										1.92	5.15	5.50	
McMinnville	3.30	5.99	1.77	2.35	2.07	0.73	0.10	0.00	2.29	1.42	3.52	3.10	26.64
Madras	1.08	0.26	0.12	0.38	0.86	0.12	0.01	0.08	0.61	0.16	0.69	0.33	4.70
Malin	1.82	1.03	0.97	1.21	0.60	0.16	0.00	0.04	0.75	0.39	0.62	0.26	7.85
Marshfield	8.44	8.93	2.18	4.17	3.79	1.21	0.00	0.04	2.30	2.09	5.97	5.64	44.76
Meacham	2.73	5.85	4.68	2.43	4.29	1.06	0.24	1.05	1.82	4.96	4.02	1.92	35.05
Medford	2.45	1.59	0.49	1.09	0.82	0.12	T.	T.	1.58	0.30	2.17	1.06	11.67
Mehama	4.86	9.94	4.10	5.02	5.42	1.76	0.03	T.	3.01	3.55	4.88	4.31	46.88
Mikkalo	1.37	0.57	0.49	0.33	0.20	0.10	0.00	0.12	0.33	1.21	0.73	0.40	5.85
Milton	0.79	1.04	0.56	0.93	2.47	0.66	0.05	0.07	0.91	1.98	1.65	1.08	12.19
Modoc Orchard	3.04	2.23	0.46	1.37	1.06	0.19	0.00	0.21	1.53	0.31	2.75	1.55	14.70
Montgomery Ranch				0.40	1.22	0.12	T.	0.07	0.66	0.48	1.54	0.45	
Morgan	1.52	0.92	0.43	0.72	0.28	0.05	0.02	0.21	0.33	0.80	0.91	0.33	6.52
Moro	1.31	0.92	0.65	0.26	0.27	0.14	0.00	0.03	0.53	0.92	1.13	0.53	6.69
Newport	2.93	[10.72]	2.29	2.36	2.60	2.05	[0.06]	0.06	1.22	1.53	6.47	5.14	37.43
Noti									2.13	2.29	7.20		
Oakridge	4.22	5.32	[2.35]	3.96	1.72	0.94	0.00	T.	1.10	2.60	4.34	2.37	28.92
Olive Lake	3.25	4.64	2.03	2.62	3.52	1.31	0.00	1.60	2.15	2.97	4.02	2.10	30.21
Oregon City	4.40	6.81	2.07	3.12						2.49	3.05	3.13	
Paisley	0.92	0.44	0.67	0.68	0.99	0.17	0.00	0.18	1.07	0.12	0.43	0.21	5.88
Parkdale	4.61	7.50	3.19	2.49	1.98	0.63	0.00	0.01	0.50	3.75	5.45	3.03	33.14
Pendleton	1.96	1.49	0.85	0.52	1.55	0.49	T.	0.27	0.60	1.42	0.75	0.61	10.51
Pilot Rock	1.35	2.17	0.93	0.81	2.21	0.69	0.02	0.24	0.87	1.09	0.85	1.02	12.25
Pittsburg	0.90	1.61	0.99	1.85	2.63	1.93	0.93	0.55	1.67	1.57	0.60	0.93	16.16
Portland	3.43	5.03	2.21	2.72	3.08	0.69	T.	0.06	1.79	2.15	2.84	3.16	27.16
Port Orford	8.18	10.24	3.45	4.80	3.86	1.05	0.00	0.21	2.45	1.39	4.96	6.24	46.83
Power House	1.03	2.86	2.21	1.02	2.99	1.48	0.01	0.13	1.42	2.60	1.61	0.77	18.13
Prairie City	1.70	1.00	0.58	1.66	2.64	1.00	0.04	0.45	2.19	0.92	0.93	0.97	14.08
Prineville	0.95	0.30	0.19	1.29	0.86	0.03	0.00	0.57	0.90	0.46	1.06	0.46	7.07
Prospect	4.44	6.14	0.85	2.62	1.96	0.41	0.00	T.	2.40	1.29	4.18	2.42	26.71
Redmond								0.09	0.64	0.37	1.06	0.37	
Riddle	3.42	4.03	1.10	2.70	2.07	0.71	0.00	T.	1.57	0.68	3.70	3.02	23.00
Riverside	1.17	0.45	0.90	0.56	1.38	0.18	T.	0.35	0.17	0.13	0.77	0.08	6.14
Rock Creek	1.52	3.58	0.45	2.56	2.16	0.92	0.16	1.04	0.85	1.04	1.04	0.47	15.79
Roseburg	3.94	2.98	0.90	2.67	2.45	0.47	T.	T.	1.18	0.80	3.78	2.02	21.17
Round Grove	1.73	1.34	1.22	1.25	0.59	0.72	0.35	0.43	0.99	0.44	0.56	0.47	10.09
Rujada	5.11	7.80	2.05	4.93	3.77	1.26	0.00	0.04	1.67	3.58	4.36	3.52	38.09
Saginaw	3.98	4.94	1.36	2.72						1.69	4.47	2.66	
Salem	3.98	6.43	1.93	3.95	1.75	0.99	0.01	0.01	2.03	1.92	3.75	3.30	30.0_5

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Oregon—Continued													
Sand Creek	3.44	2.80	0.76	0.89	0.12	T.	0.14	0.24	1.46	0.23	4.23	1.81	16.12
Seaside	------	12.81	6.07	3.31	4.37	2.08	0.07	0.19	2.22	4.26	4.35	6.78	------
Siskiyou	5.81	4.52	1.12	2.67	1.69	0.49	0.00	0.60	1.82	0.81	3.11	1.65	24.29
Summit	6.53	11.29	3.74	4.06	2.75	1.39	0.07	0.05	1.84	2.94	5.89	4.69	45.24
Talent	2.21	1.82	0.54	1.38	1.49	0.60	T.	0.07	1.79	0.48	1.66	0.97	13.01
The Dalles	2.18	1.85	0.88	0.20	0.12	0.12	0.00	0.03	0.21	1.06	1.60	0.75	9.00
Three Links	3.34	9.34	3.84	4.93	6.10	1.28	0.00	0.00	1.64	4.08	7.58	4.06	46.19
Timber	------	------	------	------	------	------	------	------	------	------	4.71	4.23	------
Ukiah	1.50	1.45	0.57	0.58	1.60	1.53	0.05	0.25	0.69	1.01	1.37	0.91	11.51
Umatilla	[1.22]	[1.11]	0.20	0.33	0.58	T.	T.	0.17	0.81	0.84	0.72	0.32	6.30
Umpqua	7.32	11.27	2.22	4.84	3.95	1.54	0.02	0.11	1.80	2.97	4.37	5.78	46.19
Union	0.53	1.82	1.15	2.25	2.36	1.68	0.07	0.33	0.70	1.90	0.30	0.42	13.51
Valley Falls	1.79	0.72	1.65	0.95	2.12	0.33	0.09	0.20	1.80	0.30	0.25	0.20	10.40
Valsetz	9.75	20.75	6.31	6.91	4.53	[1.76]	[0.05]	T.	2.87	4.01	10.19	8.37	75.50
Waldo	6.85	9.36	[1.35]	3.21	3.27	0.17	0.00	T.	2.22	0.65	6.29	3.42	36.79
Wallace Orchard	4.84	5.75	1.79	3.89	1.91	1.08	T.	T.	1.88	1.65	2.78	2.74	28.31
Wallowa	1.11	1.89	0.88	1.51	3.78	0.78	0.57	0.83	1.38	1.68	0.68	1.03	16.12
Warmspring Reservoir	1.12	0.41	0.81	0.89	1.25	0.48	T.	0.22	0.30	0.06	0.55	0.15	6.24
Wasco	4.74	1.50	0.52	0.37	0.27	0.19	T.	0.03	0.30	1.29	2.30	0.45	11.96
Waterloo	1.37	4.74	1.75	3.55	3.39	1.78	0.02	0.00	1.96	2.49	3.85	3.61	28.51
Welches	[4.84]	[10.78]	[4.76]	6.64	8.05	2.57	0.02	0.09	1.89	7.00	7.45	5.23	59.32
Weston	1.40	3.08	2.01	1.04	2.55	0.63	T.	0.14	1.31	2.13	1.96	0.75	17.00
Wicopee	3.54	8.35	3.93	4.60	[6.04]	[2.52]	0.00	0.16	2.83	3.07	6.51	4.22	45.77
Williams	5.57	3.67	0.84	1.43	0.72	0.24	0.00	0.00	0.90	0.45	3.79	1.75	19.33
Willow Creek	10.28	11.20	4.23	5.20	5.44	1.36	0.00	0.14	2.49	2.17	6.52	8.44	57.47
Wolf Creek	5.64	5.74	1.33	2.15	1.88	0.23	0.00	0.07	1.01	0.95	4.79	3.08	26.87
Yonna	2.04	1.60	0.97	0.99	0.63	0.51	0.15	0.43	1.38	0.23	1.42	0.33	10.68
Pennsylvania													
Allentown	2.24	2.36	2.27	2.86	3.85	2.65	4.74	1.71	1.45	0.97	1.76	2.79	29.65
Altoona	1.26	2.36	2.88	3.26	1.75	2.53	1.48	1.62	2.36	0.50	1.28	2.62	23.90
Ansonia	2.02	2.00	3.02	2.79	2.41	5.47	1.35	0.90	2.83	0.63	0.22	1.79	25.43
Arendtsville	2.50	2.18	5.05	1.96	1.92	3.56	0.17	0.92	2.53	0.14	1.09	2.29	24.31
Bakers Summit	1.36	3.08	3.13	2.84	1.13	2.68	2.10	1.35	0.78	0.21	1.10	2.82	22.58
Beaver Dam	3.03	3.92	3.23	2.08	2.87	4.04	1.82	2.06	1.82	1.56	0.49	2.05	28.97
Beaver Falls	2.95	3.59	3.47	1.72	3.33	3.11	1.10	1.88	0.95	1.11	0.72	1.67	25.60
Bellefonte	1.08	2.71	2.31	2.72	1.88	5.67	1.41	0.36	1.42	0.43	0.95	2.84	23.78
Bethlehem	2.01	2.16	2.50	2.99	2.13	2.96	6.46	1.27	1.61	1.82	3.08	2.76	31.75
Bloserville	0.90	2.34	2.68	1.96	2.69	3.40	1.44	1.12	2.89	0.24	0.59	1.69	21.94
Bradford	4.35	3.25	4.59	3.51	2.46	3.97	1.77	0.75	2.47	1.18	2.27	1.78	32.35
Brookville	4.69	2.50	3.18	4.03	2.20	3.31	3.56	0.62	1.55	0.96	1.76	1.90	30.26
Butler	3.33	3.16	2.88	2.98	2.25	4.98	2.29	0.84	2.29	1.29	0.98	1.79	29.06
Carlisle	2.11	2.72	3.39	2.49	1.55	5.66	1.01	1.03	0.99	0.20	0.68	2.73	24.56
Catawissa	1.48	2.08	2.42	3.56	3.31	4.16	0.92	0.59	3.56	0.84	0.95	2.48	26.35
Cedar Run	1.84	1.66	3.70	3.46	2.51	4.76	------	------	------	------	------	1.18	------
Center Hall	1.12	2.74	3.96	1.25	2.60	13.02	4.65	1.78	2.81	0.44	1.18	2.56	38.11
Chambersburg	1.55	1.86	2.28	2.28	1.68	3.61	0.60	0.93	1.19	0.27	0.58	2.77	19.60
Chambersville [4]	1.92	3.98	2.56	2.02	2.70	4.04	2.77	0.83	2.80	0.81	0.81	1.14	26.38
Clairton	------	------	------	------	------	------	------	------	------	------	0.63	1.86	------
Claysville	1.75	2.67	3.34	1.76	3.55	4.90	0.85	1.23	2.75	1.21	0.98	1.86	26.85
Clearfield	2.91	2.52	3.11	4.37	2.79	4.09	2.64	0.81	1.72	0.73	2.02	1.61	29.32
Cloe	2.35	3.19	2.23	2.82	1.84	2.91	2.13	0.31	1.81	0.80	1.32	1.29	23.00
Clymer	2.33	3.79	2.92	2.68	3.75	5.33	3.65	0.79	2.78	0.78	1.40	1.83	32.03
Coatesville	2.92	3.01	3.02	2.70	4.33	3.39	3.17	1.87	4.84	0.83	1.63	2.69	34.40
Colebrook	2.06	3.02	2.77	2.98	2.69	3.49	2.73	1.78	1.33	0.19	1.06	2.46	26.56
Confluence	1.49	2.78	2.87	2.81	1.73	5.39	1.62	3.04	2.48	0.74	1.15	3.68	29.78
Conshohocken	2.94	2.47	2.63	1.45	3.48	2.71	2.85	1.90	2.69	1.41	------	1.85	------
Coraopolis	2.14	4.77	------	------	------	------	------	------	------	------	------	------	------
Corry	4.43	3.74	3.90	3.66	2.46	3.51	1.89	------	2.13	2.33	2.48	2.21	------
Coudersport	3.30	1.95	3.62	3.99	2.42	4.33	1.16	0.87	2.79	0.78	1.77	1.73	28.71
Cresson	1.11	4.88	2.89	2.65	1.81	4.10	3.04	1.75	1.71	0.20	1.68	3.14	28.96
Derry	1.80	3.68	3.17	1.80	4.10	6.53	2.19	0.98	3.15	0.91	0.85	2.30	31.46
Donora	1.33	1.83	2.66	1.53	3.04	5.05	0.93	1.39	2.22	0.75	1.04	1.91	23.68
Doylestown	2.35	2.62	2.90	2.81	3.59	5.43	3.30	2.05	1.48	1.54	1.99	2.04	32.10
Driftwood	2.51	1.63	3.00	4.09	2.60	4.38	1.70	0.43	1.99	0.62	------	2.52	------
Ebensburg	1.69	3.08	1.79	0.66	2.11	3.78	2.89	1.55	2.85	0.74	1.47	1.69	24.30
Elk Lick	2.88	3.15	3.00	2.50	2.38	4.30	1.22	2.97	1.50	1.16	2.21	3.72	30.99
Emporium	4.74	2.45	3.40	4.43	2.30	4.78	2.07	0.68	2.57	0.96	1.00	2.22	31.60
Ephrata	2.40	2.69	2.18	2.12	2.94	3.57	1.11	1.65	2.44	1.16	1.77	2.65	26.68
Erie	3.89	1.53	3.06	2.83	1.61	4.58	0.83	1.16	2.64	3.23	2.07	1.61	29.04
Falls Creek	3.28	3.07	3.02	3.97	2.56	2.56	3.79	0.41	1.61	0.92	1.51	2.34	29.04
Forest City	2.14	1.79	------	------	4.06	3.62	2.60	3.04	4.16	1.54	1.61	2.13	------
Franklin	4.27	2.36	3.12	3.97	2.82	3.24	2.09	0.82	1.06	1.64	1.84	2.47	29.70
Freeland	2.06	2.16	3.96	4.25	3.34	4.10	4.98	1.31	1.98	0.57	1.41	4.05	34.17
Freeport	2.44	3.95	2.97	1.74	3.59	4.89	1.47	1.12	1.07	0.92	0.72	2.44	27.32
Genesee	------	------	------	------	------	------	------	------	2.60	1.05	1.12	1.38	------
George School	2.64	3.36	2.84	1.90	2.46	3.80	3.07	3.16	1.82	1.50	1.77	2.49	30.31
Gettysburg	2.34	2.26	2.75	2.56	1.53	3.08	1.48	1.03	2.26	0.36	0.89	3.07	23.63
Girardville	1.70	2.76	4.03	2.87	2.49	5.17	1.80	1.51	1.93	0.62	1.86	2.86	29.60
Gordon	2.10	2.51	3.21	4.11	3.67	4.62	2.48	1.48	1.84	0.56	1.56	2.56	30.70
Gouldsboro	1.60	2.46	4.08	3.82	4.14	4.98	4.29	2.82	2.68	1.23	2.32	2.46	36.88
Graterford	------	------	2.41	2.02	3.73	3.29	2.41	1.79	1.66	1.12	2.20	2.53	------
Greensboro	1.10	2.69	3.13	1.44	3.22	5.33	1.57	2.71	1.33	0.67	0.65	2.51	26.35
Greensburg	1.73	3.13	3.00	1.98	5.27	4.05	1.22	0.85	2.40	0.82	0.96	1.88	27.29
Greenville	4.27	2.04	2.35	3.87	1.92	3.07	1.55	1.25	2.18	1.88	2.36	1.28	28.02
Grove City	3.68	2.24	2.29	2.96	2.97	3.51	1.74	0.67	1.54	1.08	1.30	1.78	25.76
Hamburg	1.73	2.81	2.71	3.37	4.57	2.49	2.42	2.65	2.08	0.33	1.55	3.65	30.26
Hanover	2.27	2.39	3.09	2.66	1.43	6.04	0.76	0.87	1.64	0.58	0.73	3.41	25.87
Harrisburg	1.69	2.75	3.84	2.48	2.62	5.38	1.24	1.21	2.89	0.11	0.81	2.27	27.29
Hawley	1.58	1.76	3.38	2.73	3.01	3.11	3.03	3.96	2.92	1.08	2.03	2.12	30.71
Herrs Island Dam	1.86	3.98	3.49	1.99	2.50	3.95	1.24	1.41	0.64	1.53	0.66	2.03	26.28
Hollisterville	1.49	1.68	3.18	3.62	3.89	4.16	3.69	2.26	4.00	1.02	1.89	2.82	33.70
Holtwood	2.16	1.76	2.33	2.12	1.88	2.65	2.53	0.60	2.07	0.52	1.74	2.17	22.53
Huntingdon	1.39	3.08	2.26	3.28	2.29	3.65	2.50	0.72	0.71	0.40	0.80	2.91	23.99
Hyndman	0.70	1.59	1.87	2.70	1.28	3.19	0.76	1.93	1.68	0.85	0.92	3.13	20.60

[4] Name changed from Creekside.

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Pennsylvania—Continued													
Ingram	2.26	3.46	3.58	2.28	2.48	3.65	1.36	1.24	1.14	1.61	0.97	2.07	26.10
Irwin	1.51	2.70	1.72	1.37	2.95	3.63	0.58	0.69	1.61	0.61	0.77	1.60	19.74
Johnstown	2.31	4.21	3.38	3.99	2.73	4.17	2.44	1.96	2.33	0.62	1.54	2.71	32.39
Kregar	1.83	3.03	3.48	2.77	2.22	6.76	2.20	4.12	3.15	0.89	1.77	2.73	34.95
Kylertown	1.60			2.99	2.10	3.52	1.80	0.31	3.41	0.73	0.85	1.51	
Lakeville	1.48	1.58	3.71	2.84	3.86	3.78	3.33	2.74	4.20	1.09	1.84	2.42	32.87
Lancaster	2.85	2.69	2.79	2.25	2.41	3.43	1.69	0.92	3.00	0.65	1.11	2.58	26.37
Lansford	1.34	1.79	2.25	3.01	3.95	2.45	3.24	0.99	3.30	0.46	1.64	2.03	26.45
Lawrenceville	1.75	0.95	2.05	1.38	3.48	6.62	2.43	1.74	4.28	1.20	0.39	1.00	27.27
Lebanon	1.45	2.96	1.86	3.64	2.68	4.15	1.91	0.73	3.36	0.13	1.06	2.63	26.56
Lewisburg	1.54	2.34	3.71	3.84	3.75	4.91	2.39	0.34	3.10	0.27	0.97	2.01	29.17
Linesville			4.45	2.82	1.66	4.43	4.26	1.05	4.96	2.57	2.55	2.35	
Lloyd		0.93		3.08	2.86								
Lock Haven	2.01	2.13	2.41	2.95	1.86	6.57	2.88	0.84	2.20	0.53	1.01	2.38	27.77
Lock No. 4 (Monongahela River)	1.26	2.01	3.08	2.50	3.08	5.24	0.99	1.50	2.19	0.95	0.77	1.86	25.43
Lycippus	1.74	3.06	2.63	2.37	3.52	5.77	1.66	1.79	3.13	0.79	1.48	2.19	30.13
Lykens	1.52	2.85	3.40	2.99	3.96	4.57	2.69	1.58	1.16	0.31	1.01	2.29	28.33
Marcus Hook										1.40	1.55	2.55	
Mauch Chunk	1.74	2.36	3.32	3.41	5.35	2.83	1.94	2.12	4.36	0.45	2.88	2.71	33.47
Meadville		2.79	3.62	2.97	1.03	3.95	2.12	1.27	3.09	2.66	3.08	1.51	
Mifflintown	1.14	2.92	3.11	2.04	3.77	4.57	2.35	0.55	0.79	0.35	0.85	2.01	24.45
Montrose	2.70	1.95	3.35	3.14	5.81	5.30	1.98	1.81	7.01	1.25	1.50	1.80	37.60
Morris Run	1.87	2.14	4.10	2.80	3.03	5.08	2.56	0.91	3.31	0.68	0.96	2.21	29.65
Mount Lebanon	1.79	2.61	2.91	2.09	3.36	3.90	1.18	1.03	1.28	1.51	0.89	1.91	24.46
Mount Pocono	1.87	1.74	1.04			5.19	4.78	2.10	3.38	1.29	4.29	3.88	
Muncy Valley	2.04	2.15	4.63	3.89	4.24	3.38	2.52	1.69	2.63	0.91	1.67	1.72	31.47
Narberth	3.26	3.62	3.51	1.93	4.27				4.02	1.89	3.35	2.55	
Natrona	2.55	3.98	2.73	1.88	3.41	4.53	1.50	1.29	1.35	0.96	0.70	2.29	27.17
Neshaminy Falls	2.12	3.83	3.13	1.93	3.08	5.07	3.97	3.45	1.96	1.95	2.62	2.11	35.22
New Castle	4.11	3.44	3.51	2.93	2.68	3.28	2.00	1.64	1.97	1.63	1.38	2.82	31.39
Newell	0.94	1.46	1.92	1.08	2.40	4.29	1.22	1.76	3.42	0.54	0.79	1.74	21.56
New Park	2.43	2.39	3.08	2.63	2.16	4.03	1.08	1.02	2.91	0.51	2.18	3.44	27.86
Palmerton	1.25	1.52	2.37	3.07	5.29	2.71	2.78	1.78	3.50	0.95	2.41	1.65	29.28
Parkers Landing	4.63	3.63	3.09	2.67	3.09	2.03	0.85	0.45	1.85	1.00	1.01	3.14	27.44
Paupack	1.39	1.06	4.05	3.41	3.25	4.23	3.81	2.54	4.75	1.07	2.08	2.38	34.02
Penn Line	4.40	2.12	4.19	2.78	1.87	4.46	2.76	2.68	3.77	2.53	2.12	2.28	35.96
Philadelphia (Weather Bureau)	3.15	3.65	2.58	1.64	3.25	4.96	4.06	1.51	2.57	1.74	2.36	2.50	33.97
Philadelphia (Germantown)	2.98	3.63	2.71	1.93	3.65	5.59	3.10	1.64	2.11	1.54	2.96	2.17	34.01
Philadelphia (navy yard)	2.83	3.74	2.53	1.46	2.61	4.32	4.85	1.32	1.48	1.73	1.09	2.51	30.47
Philadelphia (Point Breeze)	3.16	3.66	2.54	1.62	3.54	4.87	3.76	1.89	2.67	1.72	2.27	2.04	33.74
Phoenixville	3.05	3.18	3.12	2.66	6.39	2.68	2.44	2.82	2.59	1.45	1.53	2.77	34.68
Pine Grove	1.94	2.33	2.35	3.98	3.91	4.68	1.10	1.02	1.96	0.19	1.71	2.20	27.38
Pittsburgh	1.67	3.12	2.82	2.60	1.95	3.41	1.33	1.10	0.74	1.17	1.02	1.72	22.65
Pleasant Mount	3.06	2.36	2.94	3.01	4.36	4.22	2.62	2.66	5.33	1.79	2.61	2.20	36.16
Pottstown	2.44	2.73	2.54	1.87	4.28	1.56	1.84	2.00	2.41	0.67	1.81	2.30	26.45
Pottsville	2.06	2.70	3.70	3.90	4.78	3.67	1.23	2.19	2.05	0.24	1.70	2.24	30.46
Quakertown	2.63	2.42	2.51	2.75	3.35	2.32	5.21	1.84	1.48	1.42	2.94	2.63	31.50
Reading	2.29	2.60	2.07	2.91	3.69	2.55	1.73	1.21	3.25	0.66	2.11	2.61	27.68
Renova	1.94	1.89	3.43	3.79	3.32	6.45	1.93	1.15	1.30	0.39	0.44	2.11	28.14
Ridgway	3.86	2.66	3.14	3.71	2.70	3.75	1.78	0.33	2.40	1.96	1.56	1.89	29.74
Saltsburg	2.02	4.42	3.19	1.90	3.20	4.25	2.01	0.89	1.76	0.69	0.78	1.56	26.67
Scranton	1.20	1.87	2.26	2.52	2.58	2.83	2.78	1.85	2.76	1.34	2.09	2.04	26.12
Selingsgrove	1.46	2.91	2.71	2.97	3.40	3.50	1.08	1.11	1.08	0.68	0.68	2.74	24.32
Sharon	3.04	1.74	2.47	2.25	2.24	2.85	2.48	1.22	1.31	2.71	1.11	1.45	24.87
Shawmont	2.72	3.25	3.18	1.90	3.48	4.48	2.94	2.36	2.46	1.44	2.15	2.27	32.63
Smethport	4.23	2.42	2.95	3.19							1.78	2.26	
Snow Hill	2.26	1.47	3.80	3.86	4.24	4.21	3.60	3.26	2.98	0.92	3.39	2.22	36.21
Somerset	1.73	2.31	2.69	2.62	1.70	5.38	1.27	2.16	2.52	0.63	1.49	2.80	27.30
Springdale	2.26	3.56	3.31	2.28	2.81	3.85	1.28	1.10	1.06	0.98	0.69	2.18	25.36
State College	1.81	2.68	2.50	2.99	1.93	4.49	2.48	0.65	1.59	0.36	1.10	2.23	24.81
Stroudsburg	2.29	1.60	3.52	3.41	2.62	[3.84]	1.71	2.12	1.11	1.38	2.02	1.52	27.14
Sunbury	1.43	2.74	2.89	3.32	3.48	4.22	1.47	0.29	1.74	0.41	0.44	2.83	25.26
Towanda	1.79	1.40	2.80	2.69	4.44	5.60	2.49	0.87	6.46	0.61	0.88	2.00	32.03
Uniontown	1.48	2.80	4.12	1.79	3.06	6.27	2.51	3.10	2.89	0.87	0.88	2.18	31.95
Unity Reservoir	2.12	3.51	3.82	2.60	5.15	4.32	1.22	1.00	2.88	1.06	1.21	2.60	31.49
Vandergrift	1.47	3.89	2.51	1.42	3.27	5.63	1.17	1.02	1.27	0.70	0.78	1.77	24.90
Warren	4.00	2.15	4.00	3.42	3.43	3.43	1.10	0.93	2.72	1.41	2.53	4.06	33.18
Weikert	1.19	2.16	3.20	3.22	3.32	4.51	1.08	0.53	1.84	0.83	1.30	2.33	25.51
Wellsboro	1.81	1.77	2.81	2.50	2.31	5.70	1.23	0.53	2.75	0.62	0.77	1.12	23.92
West Chester	3.17	3.07	3.15	1.96	3.63	3.84	2.27	1.54	4.00	0.92	2.67	2.23	32.45
Westford	4.01	2.37	2.55	3.17	1.87	4.37	3.19	1.62	4.50	3.33	2.70	1.01	34.69
Westgrove	2.75	2.66	2.27	1.78	2.90	2.35	4.18	1.15	3.50	0.70	2.19	2.15	28.58
West Newton	1.35	2.03	3.34	1.66	3.54	4.08	0.94	0.96	2.99	0.73	0.84	2.18	24.64
Wilkes-Barre	1.19	2.18	3.51	2.95	4.40	3.74	4.86	1.38	2.50	1.27	0.87	3.24	32.09
Williamsport	1.74	1.59	4.47	3.81	3.74	3.88	2.60	0.53	2.16	0.25	0.69	2.22	27.68
York	2.19	2.27	3.16	2.67	2.06	4.98	1.51	0.81	4.39	0.40	0.83	3.27	28.54
York Haven	1.54	2.65	3.02	2.67	3.15	4.72	1.97	2.08	3.65	0.17	0.55	2.48	28.65
Zelienople	3.34	3.76	4.02	2.23	3.10	3.69	1.44	2.74	1.21	2.55	2.63	0.82	31.53
Porto Rico													
Adjuntas	7.88	1.16	2.32	4.60	3.34	3.67	3.15	8.35	12.37	8.70	6.07	3.32	64.93
Aguas Buenas	5.87	1.42	1.87	1.20	5.85	2.35	2.33	4.64	6.61	2.61	6.42	3.23	44.40
Aguirre	6.79	1.30	0.67	0.47	2.09	3.01	2.27	1.81	2.98	2.97	3.76	0.34	28.46
Arecibo	3.82	0.41	2.70	1.21	3.90	4.80							
Barceloneta	7.11	0.70	2.22	1.53	1.09	3.11	3.30	6.43	2.57	2.56	4.78	8.57	43.97
Barros			2.90	2.65	10.01	1.17	2.65	9.25	8.68	9.46	11.69	9.40	
Bayaney	6.33	0.75	2.72	4.00	7.19	5.92	4.53	6.98	8.61	9.36	7.74	6.05	70.18
Bayamon	5.88	2.59	1.86	1.78	2.13	2.21	5.56	3.71	6.12	3.88	7.49	6.92	50.13
Cabo Rojo	3.78	1.15	2.29	2.91	1.82	3.36	4.24	4.86	13.95	5.40	2.80	2.75	49.22
Caguas	7.29	1.45	2.03	2.55	2.55	3.77	3.84	4.46	5.27	3.01	5.33	5.56	47.11
Calero (Camp)	3.06	0.85	3.18	3.10	4.93	5.97	2.92	2.18	3.69	11.51	4.53	2.67	48.59
Camuy	4.32	0.69	1.98	1.27	2.60	0.88	3.50	4.25	3.15			3.73	
Canovanas	7.12	1.71	2.56	1.60	1.58	3.46	3.13	3.61	8.36	4.52	8.75	5.59	51.99
Carite Camp	10.43	3.08	2.62	4.17	4.91	4.74	6.28	4.08	5.23	3.91	5.35	1.47	56.27
Cayey	8.03	1.50	1.09	2.18	2.60	2.52	4.26	5.94	4.04	2.59	4.59	2.18	41.52
Cepero	6.05	2.15	1.91	1.51	4.05	3.30	4.00	8.58	5.30	7.31	8.11	5.70	57.97

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Porto Rico—Continued													
Cidra	9.19	1.64	1.17	2.44	6.06	4.33	4.15	4.47	6.33	2.23	5.52	2.85	50.38
Coamo	5.22	1.90	1.05	1.60	2.25	1.77	1.90	2.15	2.58	4.08	1.03	0.85	26.38
Coloso	4.35	0.55	3.10	5.45	9.50	9.55	13.40	3.95	10.65	9.90	1.70	2.25	74.35
Comerio Falls	5.33	1.38	1.82	1.41	6.58	2.24	3.29	6.58	8.01	4.31	6.48	7.19	54.62
Corozal	5.36	1.50	1.96	1.23	8.03	2.99	2.21	4.40	10.70	4.11	8.06	7.93	58.48
Dorado	4.28	2.03	1.47	1.79	0.86	1.09	3.78	4.07	6.74	3.28	6.94	6.32	42.65
Ensenada	3.95	3.58	0.95	0.68	1.51	1.37	0.75	1.69	3.68	3.26	8.16	2.85	32.43
Fajardo	8.74	1.45	2.71	1.93	6.13	5.46	1.32	2.72	6.89	6.28	9.59	4.82	58.04
Guajataca	3.21	1.44	2.96	1.77	6.26	6.77	3.07	6.74	3.84	13.50	7.29	5.93	62.78
Guayama	6.59	1.83	1.75	1.10	3.03	2.45	2.87	3.31	4.74	4.35	3.97	0.69	36.68
Guineo Reservoir	6.84	4.35	1.29	5.56	12.88	4.05	2.39	8.54	4.99	15.91	7.85	3.36	78.01
Humacao	11.42	2.87	2.71	3.43	4.46	17.34	3.12	5.69	6.09	4.90	11.98	4.18	78.19
Isabela	2.49	0.84	2.98	2.63	4.33	6.66	1.42	3.94	3.20	14.50	6.72	4.11	53.82
Jajome Alto	14.43	2.07	2.34	4.73	4.55	4.14	4.45	2.31	2.96	1.36	6.08	4.08	53.50
Jayuya								5.82	9.25	11.34	7.69	3.75	
Josefa	6.72	1.40	1.35	0.56	2.41	3.46	3.03	2.72	1.82	4.80	4.04	0.53	32.84
Juana Diaz	4.09	1.31	0.91	2.36	2.76	1.20	0.65	2.23	1.55	3.31	4.09	0.61	25.07
Juncos	7.94	1.89	1.93	3.55	2.08	3.28				3.51	8.74	3.35	
La Fe	9.23	3.44	5.05	3.86	6.91	9.33	7.84	6.89	5.91	5.47	12.04	4.26	80.23
La Isolina	5.08	1.33	1.59	2.27	11.10	4.43	3.41	9.06	10.36	7.24	6.03	6.36	68.26
Lares	3.10	0.99	2.63	3.94	15.52	8.28	7.49	15.95	8.29	9.37	5.89	4.38	85.83
Manati	4.57	1.28	1.87	1.22	1.19	3.10	4.03	3.95	4.41	2.38	6.94	5.86	40.80
Maricao	5.40	1.75	4.00	6.00	13.90	5.40	2.50	10.00	31.15	11.10	12.25	6.85	110.30
Maunabo	8.14	3.89	1.10	0.60	3.39	4.68	4.15	4.60	3.82	10.75	5.20	2.30	52.62
Mayaguez	4.00	1.39	3.62	3.94	3.81	4.59	5.89	7.73	11.38	6.23	2.60	3.25	58.43
Mona Island	1.26	3.20	5.10	3.60	2.20	10.40	5.20	2.30	11.52	6.20	4.90	6.03	60.91
Mora (Camp)	2.82	1.11	2.55	1.16	4.99	5.43	1.70	4.95	4.01	10.71	5.72	4.02	49.17
Paraiso	9.74	3.87	3.82	3.05	5.45	5.85	4.08	7.70	6.00	6.62	13.01	3.00	72.19
Patillas Dam	8.53	2.90	2.21	1.58	2.82	4.52	3.75	3.00	3.50	5.72	6.93	1.01	46.47
Penuelas							4.03	5.51	4.08	2.75	5.06	2.49	
Ponce	5.13	2.94	1.23	0.59	2.27	0.95	1.01	1.73	1.22	0.81	4.82	0.20	22.90
Quebradillas	3.54	0.80	2.37	1.10	4.67	3.82	3.20	2.28	2.74	6.33	5.68	4.18	40.71
Rio Blanco	24.31	5.73	5.38	11.18	8.88	8.60	9.41	11.39	13.02	9.23	18.67	7.20	113.09
Rio Grande	30.76	4.25	2.46	1.10	3.50	7.85	4.46	6.85	13.37	3.19	10.30	5.91	94.00
Rio Piedras	8.73	3.49	1.88	2.43	3.75	2.86	4.48	9.26	6.63	7.77	8.00	5.98	65.26
San Cristobal	6.84	1.75	2.32	2.52	6.20	8.25	5.05	5.46	4.95	4.11	12.14	4.31	63.90
San Francisco	4.25	1.42	2.15	3.45	0.95	0.65	1.60	2.35	2.00	2.30	4.35	0.50	25.97
San German	2.29	2.40	1.86	5.92	5.54	1.20	5.78	4.69	10.44	3.21	5.16	6.30	54.79
San Juan	6.14	2.36	1.75	1.62	3.00	2.38	2.52	3.51	5.70	4.08	5.35	5.36	43.77
San Lorenzo (town)	9.58	1.83	2.02	6.48	3.87	8.24	5.02	4.07	8.23	3.05	13.64	3.34	69.37
San Lorenzo (Valdez Farm)	9.60	1.52	1.60	4.47	1.46	6.64	4.18	2.15	5.55	1.91	9.34	2.44	50.86
San Sebastian	5.72	0.38	4.29	6.44	14.04	14.70	11.67	9.51	8.38	12.70	4.86	2.09	94.78
Santa Isabel	6.00	1.30	1.04	0.20	1.78	1.37	2.01	1.41	1.30	1.99	2.76	1.36	22.52
Santa Rita	2.38	2.05	0.90	1.35	0.81	0.22	1.00	4.10	2.45	3.05	5.00	0.50	23.81
Toa Alta	10.07	3.36	1.81	2.05	3.96	2.28	5.49	3.01	6.41	4.07	7.62	5.22	55.35
Toa Baja	7.05	3.46	1.48	1.82	2.27	1.73	6.09	4.37	5.92	4.55	6.00	5.75	50.49
Toro Negro Reservoir	8.42	4.16	3.60	5.77	12.66	5.35	1.56	7.48	4.18	14.53	7.54	3.54	78.79
Utuado	6.87	0.00	2.57		7.51	8.34		4.39	5.47	14.28	10.41	2.26	
Vieques (Colonia Resolucion)	4.14	0.99	3.42	0.57	1.96	7.64	3.01	2.20	7.33	3.76	5.64	1.30	41.96
Vieques (Playa Grande)	3.95	2.35	3.25	0.90	1.16	8.43	1.01	1.07	2.63	2.26	5.62	1.47	34.10
Yabucoa	8.45	2.62	3.16	2.26	4.40	8.63	3.75	5.46	6.17	5.06	15.69	2.81	68.46
Yauco	5.00	2.45	1.95	2.55	1.25	0.60	1.20	1.75	3.00	3.90	7.00	0.60	31.25
Rhode Island													
Block Island	3.23	3.95	2.35	1.47	3.06	2.00	1.78	2.29	0.42	4.16	3.51	3.53	31.75
Kingston	3.37	4.15	2.84	1.70	3.45	2.50	3.35	2.49	1.39	2.92	3.75	4.16	36.07
Pawtucket	2.81	2.80	3.52	1.75	2.64	2.38	2.96	2.60	0.91	4.66	3.20	2.28	32.51
Providence	2.62	2.57	3.02	1.08	2.21	2.71	3.80	2.14	1.23	3.60	3.32	2.67	30.97
South Carolina													
Aiken	5.08	0.52	3.13	1.55	0.46	2.58	4.04	1.17	5.30	2.59	3.61	2.04	32.07
Anderson	4.69	0.80	3.15	2.53	4.45	3.94	3.51	0.61	1.71	1.17	5.25	4.34	36.15
Beaufort (near)	3.43	1.33	4.91	5.15	1.16	5.74	5.83	1.20	13.60	1.72	2.54	2.33	48.94
Blackville	5.90	0.90	6.27	2.93	1.27	5.15	7.50	1.68	5.15	3.35	3.21	3.26	46.57
Blairs	5.24	0.80	3.02	1.97	2.64	3.81	6.92	1.99	3.85	2.74	4.35	4.08	41.41
Caesars Head	4.11	3.93	5.21	2.68	3.68	4.89	2.06	1.46	7.34	1.85	8.67	5.93	51.81
Calhoun Falls	3.28	1.02	3.22	1.83	3.41	2.31	4.72	1.04	2.64	1.20	4.54	3.36	32.57
Camden	4.91	0.87	2.72	2.42	2.09	4.21	3.99	1.48	4.37	2.10	3.99	3.98	37.13
Catawba	4.23	0.98	2.53	0.76	2.94	3.79	4.99	2.87	4.40	1.51	5.33	4.10	38.43
Chappells	4.81	1.05	2.31	0.96	2.62	2.69	5.65	0.64	3.66	1.74	5.42	3.22	34.77
Charleston	2.37	0.81	4.17	2.60	0.76	6.59	6.09	1.75	3.22	0.79	1.23	2.05	32.43
Cheraw	4.18	1.16	2.30	2.13	3.24	2.89	2.78	2.35	5.77	2.98	3.34	4.66	37.78
Cherokee (near)	3.66	1.01	2.42	1.53	2.28	3.26	3.51	0.80	1.85	1.11	6.25	3.71	31.39
Chester			3.63	2.35		6.00	6.10						
Clemson College	5.23	1.62	3.61	2.91	3.88	5.68	3.64	1.31	1.33	1.99	4.23	4.82	40.25
Columbia	3.35	0.65	2.31	1.64	2.95	3.98	6.47	1.59	3.78	1.92	4.13	2.74	35.51
Conway	4.40	0.88	4.08	1.52	0.72	5.78	5.84	3.23	6.72	4.58	3.03	5.25	46.03
Crescent	4.39	1.66	3.06	1.89	3.20	5.64	3.67	2.02	2.49	1.46	7.03	5.88	42.48
Darlington	4.50	0.57	0.63	1.98	1.54	3.69	3.33	3.35	6.07	4.24	2.92	3.53	36.35
Due West	3.05	0.92	2.96	1.30	2.31	2.59	6.47	0.78	2.15	0.81	5.53	3.46	32.32
Edgefield	4.71	1.54	3.28	0.55	0.87	3.29	4.30	3.16	4.95	2.26	5.16	3.04	37.11
Effingham	5.52	0.76	3.07	1.52	1.96	4.14	4.57	4.20	4.12	4.72	2.64	5.00	42.22
Ellenton											3.57	3.25	
Ferguson	7.50	0.76	6.32	2.94	1.24	5.07	8.20	7.59	5.45	2.74	2.52	5.49	55.52
Florence (No. 1)	3.72	0.69	1.91	3.03	1.72	3.71	2.39	3.77	5.15	3.10	2.93	4.70	37.82
Florence (No. 2)	4.84	0.80	2.26	2.82	1.42	3.56	2.94	3.61	4.35	3.97	3.37	4.79	38.73
Garnett	4.21	1.56	4.32	7.20	1.34	3.86	8.45	2.34	10.56	0.90	3.96	2.51	51.21
Gaston Shoals	2.91	0.95	2.32	1.02	4.84	2.75	3.83	2.04	3.13	0.77	5.46	5.19	35.21
Georgetown	2.52	0.59	4.24	1.24	1.65	7.61	3.83	7.66	6.70	1.62	[3.26]	[4.36]	45.30
Greenville	4.18	1.24	3.51	2.58	2.27	5.23	2.76	2.65	2.74	1.45	5.82	4.60	40.68
Greenwood	3.20	1.07	2.55	1.23	3.52	3.64	5.10	0.95	6.07	1.02	5.16	3.40	36.91
Heath Springs	3.53	1.06	2.51	1.40	1.67	5.89	3.43	4.01	4.23	1.92	4.62	3.07	37.34
Kershaw	2.51	0.78	2.52	1.62	4.36	4.57	4.10	2.38	4.24	1.97	3.68	5.46	38.19
Kingstree	5.53	0.84	5.35	1.73	0.98	5.90	4.73	6.68	4.89	2.55	2.89	5.71	47.78
Landrum	3.68	1.05	2.60	2.30	2.53	3.90	2.10	2.79	1.51	2.52	6.44	4.16	35.58

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
South Carolina—Continued													
Laurens	3.42	0.99	3.12	1.22	2.98	4.05	3.59	1.04	1.70	1.06	5.50	3.84	32.51
Little Mountain	4.86	0.80	3.40	1.65	2.49	3.37	4.12	2.53	6.97	2.81	5.19	3.60	41.79
Marion	6.54	0.22	2.46	1.76	0.50	3.44	4.81	3.79	3.86	3.37	2.99	4.39	38.13
Mars Bluff	5.74	0.87	2.65	1.73	0.78	5.31	4.67	5.97	2.70	3.35	2.13	4.97	40.87
Newberry	6.23	0.63	2.95	1.19	3.34	4.34	5.02	2.50	4.88	2.61	6.03	2.61	42.33
Orangeburg	5.78	0.80	5.80	3.08	1.54	5.80	5.36	3.05	5.97	3.01	2.91	3.68	46.78
Pelzer	4.86	1.22	3.24	2.06	3.18	5.24	3.02	1.80	1.95	1.32	5.24	4.91	38.04
Pinopolis	3.65	1.80	4.63	[2.50]	2.80	7.67	5.85	2.48	8.05	1.90	3.90	2.12	47.35
Rimini	6.43	2.10	3.56	3.29	0.90	4.66	5.10	1.39	5.09	2.01	4.44	2.26	41.23
Saluda	6.10	0.66	3.20	[1.11]	[2.61]	[3.53]	3.96	0.86	9.11	2.50	4.40	3.60	41.64
Santuck	3.94	0.64	3.11	1.10	2.62	4.08	5.88	2.66	2.37	1.43	6.25	3.02	37.10
Society Hill	3.08	1.02	2.55	1.67	2.87	2.27	4.84	2.19	7.34	5.07	3.69	3.74	40.33
Spartanburg	3.42	1.00	2.75	1.54	4.19	3.89	4.38	1.52	1.72	0.75	5.55	4.20	34.91
Summerville	4.16	1.02	5.28	4.00	1.31	4.43	8.14	2.15	8.53	1.30	1.95	3.34	45.61
Sumter	4.49	1.06	3.26	2.04	1.50	6.40	5.27	0.93	5.36	2.79	1.75	4.00	38.85
Trenton	6.75	0.85	4.32	1.18	1.96	3.56	4.63	0.29	4.52	2.19	4.73	2.81	37.79
Walhalla	4.57	1.94	4.85	2.64	6.56	3.11	2.42	1.11	2.09	2.14	6.51	4.97	42.91
Wedgefield	4.90	1.10	3.40	3.05	2.75								
Winnsboro	3.90	1.75	2.80	1.59	2.77	2.76	4.09	2.31	4.14	2.24	4.39	3.84	36.58
Winthrop College	4.20	0.98	2.82	0.71	3.49	4.06	4.69	1.55	4.09	1.31	5.92	2.43	36.25
Yemassee	4.46	1.59	4.11	5.47	3.64	6.43	9.63	1.30	8.83	0.98	3.68	2.73	52.85
South Dakota													
Aberdeen	0.45	0.99	0.66	1.79	3.24	2.44	0.85	6.13	1.09	2.52	1.30	0.03	21.49
Academy	0.30	0.40	0.35	2.69	2.02	4.85	1.03	4.00	1.12	2.29	1.70	0.00	20.75
Alexandria	0.68	0.28	0.11	2.54	2.74	2.42	0.37	2.72	1.62	1.49	1.63	0.09	16.69
Ardmore	0.36	0.18	0.37	1.93	2.89	1.24	0.70	3.01	1.10	3.58	0.34	0.01	15.71
Arlington	0.83	0.47	0.52	2.26	[2.56]	3.28	0.00	3.34	2.28	1.46	2.17	0.03	19.20
Armour	0.42	0.20	0.32	2.07	2.74	2.55	0.16	1.92	1.27	1.69	2.21	0.18	15.73
Ashton	0.38	1.25	0.37	1.89	4.00	2.15	1.69	3.23	2.38	3.03	1.65	0.04	22.06
Bellefourche	0.14	0.08	0.28	1.41	0.93	3.81	3.06	0.37	0.08	1.22	0.48	0.37	12.23
Belvidere	0.20	1.23	0.92	2.33	2.40	0.76	0.91	5.24	1.79	2.00	1.20	0.16	19.14
Bowdle	0.45	1.59	T.	1.74	3.56	3.39	0.79	3.97	0.76	2.08	0.44	0.15	18.92
Britton	0.22	0.63	0.08	1.54	2.90	3.05	1.98	1.76	1.10	1.49	1.66	0.09	16.50
Brookings	0.42	0.40	0.25	1.25	2.04	1.68	0.27	1.50	3.38	1.84	2.01	0.10	15.14
Camp Crook	0.25	1.01	0.38	0.79	1.52	6.17	1.68	1.54	1.13	1.16	0.40	0.30	16.33
Canistota	1.05	0.72	0.35	2.33	4.41	3.84	0.11	2.37	2.56	2.04	1.82	0.28	21.88
Canton	0.86	0.10	T.	2.30	4.99	4.93	0.50	[2.41]	2.90	2.26	1.21	T.	22.46
Castlewood	0.70	0.47	0.33	2.04	2.39	4.17	0.74	1.91	3.52	0.93	1.67	0.06	18.93
Cedar View	0.34	0.79	1.06	2.32	2.97	0.73	0.62	3.29	1.06	1.54	1.40	0.24	16.36
Centerville	1.00	0.20	0.10	1.68	4.03	4.42	0.50	1.21	1.74	2.04	2.58	0.25	19.75
Clark	0.90	1.61	0.35	1.60	4.52	4.53	0.81	2.35	2.30	1.92	1.71	0.16	22.76
Cottonwood	0.55	0.64	0.61	3.59	1.85	0.94	0.99	7.82	1.20	3.98	0.85	0.05	23.07
Custer	0.54	0.21	0.64	1.65	3.28	1.18	5.59	3.27	1.08	3.68	0.58	0.00	21.70
Deerfield	0.34	0.21	0.72	2.28	2.14	2.21	3.28	3.52	1.68	2.25	0.48	0.05	19.16
DeSmet	[0.70]	0.40	0.92	[2.24]	[3.06]	2.28	0.14	0.90	1.26	2.03	1.58	0.13	15.64
Dowling	0.13	1.60	0.12	3.14	1.97	0.49	0.17	8.24	0.15	2.04	0.12	0.07	18.24
Dumont	1.00	0.84	3.20	0.95	1.11	0.91	1.02	2.76	0.37	0.81	0.79	1.55	15.31
Duprec	1.19	2.13	0.33	3.02	2.98	2.08	0.43	1.46	0.19	2.30	2.15	0.08	18.34
Eales	0.25	1.15	0.08	1.35	3.69	1.24	0.39	2.72	0.44	1.19	1.06	0.02	13.58
Eureka	0.11	1.08	T.	1.43	2.66	1.00	1.06	3.94	0.74	1.97	0.63	0.18	14.80
Fairfax	0.30	0.20	0.40	3.45	1.98	2.93	0.00	1.70	1.00	2.79	1.05	0.10	15.90
Faith	0.70	0.76	0.41	2.65	[2.12]	[1.94]	T.	1.16	0.57	2.34	[0.78]	T.	13.43
Faulkton	0.27	0.96	0.05	2.36	3.30	1.88	0.46	2.77	0.58	1.91	1.25	T.	15.79
Flandreau	0.68	0.15	0.36	1.36	3.13	2.71	0.08	1.90	5.01	2.20	2.60	[0.08]	20.26
Forestburg	0.41	0.39	0.30	1.56	3.19	2.43	0.06	5.86	1.49	1.33	1.67	T.	18.69
Gannvalley	0.20	0.20	0.70	2.53	2.95	2.67	2.37	4.07	1.56	4.15	1.17	T.	22.57
Glenham	0.19	1.17	T.	2.08	1.96	1.88	0.72	2.28	1.29	1.71	0.59	0.11	13.98
Gregory	0.31	0.15	0.20	3.76	3.39	3.70	0.78	2.60	0.30	3.86	1.79	0.04	20.88
Hardy Ranger Station	1.01	1.12	3.20	1.11	1.67	1.41	0.70	1.10	0.92	0.40	0.51	1.97	15.12
Harveys Ranch	0.75	0.45	2.70	0.40	3.10	3.54	1.93	1.95	0.75	2.33	0.80	1.15	19.85
Hermosa	0.44	0.42	0.39	2.66	1.77	3.42	1.81	2.07					
Highmore	0.17	1.36	0.74	2.90	4.37	2.48	0.55	2.45	0.74	2.69	0.81	T.	19.26
Hopewell	0.09	1.60	[0.24]	2.93	2.26	1.44	0.52	[4.20]	0.27	1.77	1.18	0.01	16.51
Hot Springs	1.25	0.35	1.10	2.51	2.89	1.40	2.39	4.05	1.15	3.16	1.00	0.00	21.25
Howard	0.80	0.54	0.55	2.93	1.74	2.77	0.07	1.96	4.63	1.92	1.37	0.27	19.55
Huron	0.40	1.24	0.69	1.74	4.48	1.71	1.15	3.58	1.34	3.61	1.52	0.01	21.47
Ipswich	0.15	0.74	T.	2.23	3.47	[2.24]	[0.62]	[5.13]	0.61	2.34	0.69	T.	18.22
Kennebec	0.40	0.74	0.79	2.94	2.54	3.64	0.61	3.12	1.32	2.70	0.92	0.08	19.80
La Delle	0.75	1.59	0.86	2.03	4.00	2.72	0.94	[3.22]	T.	3.10	1.26	0.00	20.47
Lead	0.69	0.47	1.94	0.98	2.12	2.71	1.37	1.36	1.07	2.96	0.79	1.03	17.49
Lemmon	0.60	0.98	T.	2.65	2.53	1.81	0.28	0.79	0.77	2.80	0.60	0.10	13.91
Leola	0.37	1.17	0.00	1.95	2.65	2.47	0.34	5.57	0.69	2.60	0.56	0.01	18.38
Ludlow	0.55	0.17	T.	1.03	1.11	2.99	0.90	3.07	0.59	1.89	0.13	0.20	12.63
McIntosh				3.50			0.20						
McLaughlin	0.60	1.57	[0.20]	2.35	2.01	0.78	0.18	2.12	[0.65]	[1.62]	1.50	T.	13.58
Marion	0.53	0.31	0.05	2.61	3.09	4.76	0.92	2.37	2.78	2.46	1.77	0.18	21.83
Mellette	0.30	1.87	0.55	2.14	3.37	2.52	1.05	3.09	1.32	3.21	1.50	0.20	21.12
Menno	1.85	0.61	0.60	3.23	2.38	2.20	0.10	4.90	1.59	2.49	2.06	0.51	22.52
Milbank	0.65	1.08	0.12	0.90	2.65	2.81	4.64	1.66	1.14	1.48	2.45	T.	19.58
Miller	0.21	0.77	0.22	2.16	4.05	3.20	0.73	3.32	1.93	1.78	1.40	0.02	19.79
Mitchell	0.70	0.27	0.22	1.71	4.07	2.55	0.28	3.61	2.33	1.65	1.92	0.05	19.36
Mobridge	0.15	2.60	0.33	2.26	3.62	3.23	0.39	3.56	1.25	2.17	0.75	0.00	20.31
Murdo	1.00	1.71	1.05	3.20	2.88	1.61	0.75	4.42	0.75	2.15	1.40	T.	20.92
Newell	0.28	0.10	0.52	1.52	2.09	2.18	1.23	1.53	0.31	1.46	0.62	0.27	12.11
Oelrichs	1.00	0.85	0.55	2.92	3.37	1.85	1.98	1.88	2.32	4.11	0.55	0.20	21.58
Onaka	0.40	1.03	0.20	2.28	2.96	0.66	0.49	4.84	0.50	3.32	[0.80]	[0.03]	17.51
Onida	T.	0.98	0.27	3.03	3.78	2.44	0.57	1.10	0.29	1.92	0.56	T.	14.94
Orman	0.40	0.02	0.28	0.61	1.12	2.37	0.79	0.92	T.	1.31	0.45	0.43	8.70
Ottumwa	T.	0.70	T.	1.80	1.42	0.26	0.57	4.39	0.09	1.89	1.00	T.	12.12
Parkston	0.61	0.61	0.34	2.41	2.74	3.58	0.07	6.08	1.89	1.35	1.99	0.23	21.90
Pierre	0.28	1.32	0.49	3.68	1.68	1.34	0.69	2.61	0.25	2.34	1.01	0.02	15.71
Pollock	0.30	1.07	T.	2.33	2.15	1.46	0.41	2.95	0.24	2.32	0.95	0.20	14.38
Pukwana	0.28	0.30	0.44	2.64	2.44	2.33	1.32	1.70	1.05	3.13	1.78	0.01	17.42
Rapid City	0.64	0.18	0.97	1.67	0.92	2.16	0.92	0.96	0.76	3.58	0.77	0.21	13.7

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
South Dakota—Continued													
Redfield	0.45	1.37	0.28	2.00	5.04	1.43	0.33	3.61	1.29	4.78	1.50	0.09	22.17
Redig	0.40	0.32	0.23	1.06	1.30	1.58	0.92	2.81	0.42	1.20	0.65	0.45	11.34
Rochford	0.85	0.28	1.51	1.78	2.18	1.66	2.65	1.87	1.29	2.11	0.77	0.30	17.25
St. Francis	[0.51]	[0.72]	[0.77]	4.13	9.26	1.39	1.25	1.87	1.22	1.83	1.80	0.11	24.86
Sioux Falls	0.72	0.47	0.01	2.93	4.41	5.19	0.27	1.37	2.68	2.81	2.80	0.10	23.76
Spearfish	0.81	0.19	1.54	1.65	1.85	3.92	2.04	0.62	0.49	2.25	0.57	0.36	16.29
Strool (near)	0.30	0.60	T.	1.57	1.44	2.98	0.74	1.85	1.14	1.49	0.25	0.15	12.51
Timber Lake	0.09	0.70	0.26	2.84	3.14	3.12	0.78	2.95	0.46	1.98	0.87	T.	17.19
Tyndall	0.89	0.43	0.34	3.00	4.63	3.45	0.24	2.73	1.65	1.96	2.34	0.16	21.82
Vale	0.38	0.35	0.73	1.33	1.30	5.52	0.69	2.30	0.05	2.09	0.52	0.32	15.58
Vermillion	0.90	0.30	0.10	2.30	5.79	3.82	0.02	3.31	2.01	1.10	2.59	0.15	22.39
Victor	0.36	1.07	0.19	1.25	3.93	1.71	3.38	1.99	1.90	0.72	2.18	0.11	18.79
Vivian	0.19	1.00	0.45	4.38	3.52	2.17	0.38	4.71	2.49	2.71	1.80	T.	23.80
Wagner	1.37	0.75	0.38	4.24	3.39	1.81	T.	2.69	1.24	2.37	1.80	0.20	20.24
Waters Ranch	0.69	0.15	1.19	0.98	1.29	4.88	1.57	0.18	0.10	2.43	0.47	0.44	14.37
Watertown	0.54	0.63	0.17	0.94	2.93	3.42	0.88	1.54	1.28	1.09	2.13	0.02	15.57
Webster (near)	0.60	0.41	0.15	1.17	2.23	4.60	2.75	2.53	0.29	1.25	1.32	0.05	17.35
Wentworth	0.90	0.40	0.23	1.13	2.77	3.49	------	------	------	------	1.98	0.12	------
Wessington	0.27	0.85	0.33	2.36	3.61	1.47	0.25	3.86	2.54	2.29	1.70	T.	19.53
White Lake	0.37	0.50	0.16	2.31	2.22	5.27	0.79	0.97	0.52	2.08	1.75	T.	16.94
Winner	------	------	------	------	------	------	------	------	------	3.67	1.31	T.	------
Wood	0.41	0.66	0.22	4.71	3.88	3.49	0.91	1.59	0.81	2.66	1.65	T.	20.99
Yankton	0.88	0.24	0.41	3.08	3.55	1.73	0.16	1.96	1.04	1.29	1.84	0.11	16.29
Tennessee													
Altamont	2.66	3.47	5.72	1.01	4.98	1.52	1.45	1.35	1.54	[3.22]	2.06	[2.73]	31.71
Ashwood	4.10	5.45	4.85	1.40	4.38	0.90	3.45	2.90	1.81	2.52	3.78	2.95	38.49
Bluff City	2.02	1.79	3.95	2.57	3.56	1.31	2.30	5.65	1.71	2.20	2.24	2.93	32.23
Bolivar	9.42	4.37	4.36	1.06	8.89	0.73	3.36	3.50	2.23	3.34	3.38	3.28	47.94
Bristol	1.65	1.87	3.15	3.09	2.99	1.93	2.02	3.26	4.60	2.26	4.68	3.73	35.23
Brownsville	12.48	5.11	4.42	1.44	11.53	0.40	0.41	1.43	1.72	2.88	3.34	3.45	48.61
Buffalo Valley	4.45	5.09	5.89	1.64	4.61	1.70	2.72	1.89	1.71	2.61	2.73	2.68	37.72
Carthage	4.18	4.35	5.06	1.44	3.84	1.19	1.90	3.28	2.23	2.38	2.75	2.29	34.89
Cedar Hill	5.56	4.12	2.75	2.11	6.76	1.03	1.05	1.69	3.50	2.96	2.22	2.70	36.45
Celina	3.93	4.69	3.81	1.04	2.75	1.37	3.20	2.52	4.34	2.45	2.73	2.82	35.65
Charleston	2.23	3.43	5.33	1.90	5.96	2.68	1.06	0.77	5.02	2.70	4.01	4.79	39.88
Chattanooga	2.30	3.25	6.00	1.46	6.27	3.27	1.40	1.43	3.32	2.81	5.17	3.66	40.34
Clarksville	6.00	3.66	2.30	2.51	5.82	1.30	1.70	1.22	3.48	2.74	2.64	2.58	35.95
Clinton	1.61	4.48	5.26	0.99	3.16	3.15	2.44	4.10	3.97	1.82	4.10	3.84	38.92
Coldwater	1.80	4.39	5.75	0.82	5.77	0.83	0.55	0.77	2.76	2.81	4.30	3.32	33.87
Cookeville	3.66	4.70	5.60	1.45	4.08	0.61	2.02	3.28	4.72	2.94	2.43	3.04	38.53
Copperhill	2.73	3.01	4.28	2.09	5.15	1.08	2.59	1.02	5.03	2.08	4.35	4.47	37.88
Covington	12.77	4.58	3.70	1.51	10.27	0.68	1.09	0.82	2.53	2.87	2.68	3.06	46.56
Crossville	2.15	6.84	5.73	2.20	4.01	1.52	2.92	2.95	3.95	2.80	3.04	3.23	41.34
Dandridge	2.29	3.71	4.85	1.62	4.05	2.62	3.47	3.71	2.84	2.11	2.39	2.02	35.68
Decatur	1.73	4.29	4.54	1.51	4.41	2.01	1.88	1.37	3.10	2.88	5.36	5.10	38.18
Dickson	8.26	4.58	5.25	1.57	8.31	0.88	0.39	3.43	3.75	2.77	4.18	2.89	46.26
Dover	7.32	4.06	2.02	1.23	4.89	0.97	1.79	0.92	1.90	2.35	2.67	2.76	32.88
Dresden	9.38	3.91	3.66	2.08	5.69	[0.97]	[1.26]	[0.94]	[2.03]	2.92	2.30	3.62	38.76
Elizabethton	3.42	2.20	3.62	2.11	4.12	2.54	2.70	5.38	2.88	2.99	2.45	2.54	36.95
Elkmont	4.60	2.62	7.53	2.03	5.72	1.57	1.33	4.94	4.64	2.93	3.95	3.78	45.64
Embreeville	2.07	1.95	4.00	2.36	3.60	2.93	2.36	4.79	1.91	3.67	1.82	1.05	32.51
Erwin	2.41	2.08	3.88	2.28	2.91	3.07	3.49	5.36	[2.40]	1.70	[2.40]	[1.87]	33.85
Etowah	2.91	3.10	4.92	1.73	6.61	3.13	1.60	2.05	4.22	2.16	4.09	4.36	40.88
Fayetteville	1.66	3.58	5.47	0.62	6.57	1.09	1.42	2.90	2.58	2.93	3.21	3.17	35.20
Franklin	5.57	4.96	6.44	1.00	9.05	0.72	4.40	4.93	4.84	2.52	4.20	2.76	51.39
Halls	11.43	3.80	4.25	2.99	10.09	0.93	0.78	2.18	1.76	2.46	[2.92]	3.05	46.64
Halls Hill	3.75	5.14	5.32	2.09	5.26	2.00	2.43	1.91	2.44	2.45	2.77	1.64	37.20
Hohenwald	7.39	6.22	4.47	1.53	4.73	0.46	1.05	4.62	6.31	2.74	4.52	5.58	49.62
Jackson	8.41	4.52	4.53	2.15	6.92	1.39	2.37	4.03	3.13	3.56	3.07	3.20	47.28
Jackson (No. 2)	10.18	4.08	4.40	2.48	6.89	1.32	2.00	3.09	4.06	3.70	3.55	3.48	49.23
Johnson City	1.90	1.59	3.57	0.83	3.67	3.00	3.11	4.60	2.54	1.86	2.47	2.14	31.28
Johnsonville	8.24	4.63	3.56	2.02	6.40	0.37	0.82	1.44	3.74	4.28	2.69	3.42	42.61
Kenton	7.71	3.01	5.63	1.46	6.62	0.90	1.23	0.68	2.55	2.79	3.03	2.65	38.26
Kingsport	2.44	2.87	4.07	2.58	4.21	1.40	5.76	6.11	1.15	1.62	1.91	2.20	36.32
Kingston	1.70	4.83	6.25	1.83	3.71	1.43	3.84	1.46	3.57	2.29	4.88	4.38	40.17
Knoxville	2.19	3.78	4.41	1.39	4.21	2.60	1.86	2.03	4.56	1.44	2.90	2.30	33.67
Lebanon	[4.11]	4.14	5.94	0.94	4.65	0.70	3.56	2.31	3.23	2.70	[2.77]	1.95	37.00
Lewisburg	2.90	5.09	4.77	1.15	8.19	0.96	1.55	2.91	3.37	3.97	4.04	2.78	41.68
Liberty	3.83	5.09	5.24	2.01	6.44	1.59	3.31	5.24	3.10	2.48	2.17	2.79	43.29
Loudon	2.46	4.34	5.82	1.86	3.66	2.04	1.52	1.64	3.04	2.30	4.04	3.92	36.64
Lynnville	3.87	4.84	4.38	0.87	7.27	0.83	1.57	1.07	1.47	3.11	5.04	2.99	37.31
McGhee	2.49	4.15	4.06	1.65	3.95	2.01	3.20	0.93	5.72	2.03	2.47	3.22	35.88
McKenzie	8.92	3.87	2.89	2.16	8.73	0.86	1.24	0.40	2.55	2.90	3.64	3.47	41.63
McMinnville	2.26	5.70	5.13	1.72	5.30	0.69	3.90	2.20	2.85	3.24	2.32	2.97	38.28
Madison	5.06	3.79	5.15	1.75	7.40	1.50	1.41	4.28	4.03	2.31	3.66	2.62	42.96
Memphis	12.12	4.78	3.12	1.45	5.86	0.19	0.14	0.49	2.12	1.96	2.42	2.81	37.46
Milan	11.08	3.47	3.74	1.65	11.30	0.36	1.13	1.61	1.93	3.14	4.00	2.42	45.88
Moscow	9.31	3.51	4.36	1.45	8.34	0.06	5.69	0.92	5.04	3.79	4.57	3.40	50.44
Nashville	3.82	3.68	5.14	1.16	5.23	1.59	1.22	4.69	3.88	2.11	3.19	2.09	37.80
Newbern	11.38	3.64	4.05	1.65	6.09	1.83	5.57	1.52	2.79	2.69	1.55	3.28	46.04
Newport	2.77	2.90	4.76	2.04	5.57	1.61	3.00	3.81	2.29	2.11	2.85	1.75	34.46
New River	1.78	2.48	3.95	0.80	4.38	1.08	3.65	1.72	3.10	2.14	2.87	3.09	31.04
Palmetto	2.57	4.96	5.19	1.40	6.56	1.01	1.05	2.41	1.71	[3.08]	3.50	3.23	36.67
Parksville	2.43	2.20	4.14	1.90	5.46	1.75	2.69	1.32	5.20	2.13	3.38	2.89	35.49
Perryville	7.38	5.29	5.25	1.77	5.64	0.49	2.05	2.36	5.14	2.75	3.48	4.56	46.16
Pheasant Field	------	4.00	7.65	2.20	------	------	------	------	------	------	4.75	------	------
Rock Island	2.17	6.22	5.54	1.56	3.95	0.65	4.31	2.26	4.30	3.34	2.94	2.71	39.96
Rockwood	2.07	4.88	6.20	1.26	3.48	1.56	4.20	1.67	4.46	2.68	6.44	5.17	44.07
Rogersville	2.17	2.73	4.03	1.80	3.33	3.35	2.44	5.85	2.19	1.51	2.42	2.32	34.14
Rugby	[2.00]	3.15	4.10	1.40	4.23	1.47	3.28	2.42	3.30	2.79	2.85	3.02	34.01
Savannah	6.28	5.36	4.40	0.94	6.06	0.72	2.15	3.22	3.54	1.78	3.78	2.77	41.90
Selmer	7.03	3.98	5.27	0.69	5.96	0.59	1.70	2.99	4.91	2.16	4.29	3.37	42.94
Sevierville	2.79	3.45	4.80	1.50	5.45	2.26	2.64	3.09	[2.60]	[2.16]	[3.00]	[2.46]	37.19
Sewanee	2.16	4.18	6.69	1.91	8.44	1.69	3.55	1.54	4.42	2.70	2.75	4.17	44.20
Sky Harbor	4.29	5.15	5.27	1.35	4.82	0.97	2.86	3.25	1.36	2.45	3.03	2.46	37.26

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Tennessee—Continued													
Spencer	2.10	6.03	6.33	1.46	4.87	0.52	4.12	2.70	5.22	3.89	1.95	3.13	42.32
Tellico Plains	3.17	3.45	5.76	1.34	6.42	1.55	1.59	1.69	3.65	1.73	3.14	3.57	37.06
Tiptonville	12.50	3.83	2.92	1.81	4.30	1.88	0.90	3.08	2.94	3.16	2.16	2.49	41.97
Tullahoma	2.19	5.51	6.12	1.54	6.24	1.12	3.17	0.98	3.79	2.95	2.71	4.11	40.43
Union City	13.26	3.60	2.88	2.32	5.13	1.77	1.42	1.09	1.09	2.96	2.48	2.63	40.57
Waynesboro	5.95	6.28	5.76	0.96	5.21	0.43	2.19	2.86	2.69	2.22	4.70	3.04	42.29
Worsham	6.39	3.92	4.67	1.65	6.95	1.51	1.37	1.37	4.90	2.68	3.29	2.89	41.59
Texas													
Abilene	0.56	0.06	0.97	2.23	5.39	1.73	0.47	0.59	4.85	6.25	1.33	2.43	26.86
Albany	0.97	0.16	1.11	0.52	4.87	1.32	0.23	3.09	1.49	7.03	1.51	2.31	24.61
Alice	0.60	0.69	2.73	4.55	4.85	4.10	1.68	0.00	1.29	5.23	3.08	0.44	29.24
Alpine	0.10	0.00	0.24	0.98	1.85	2.18	1.72	1.38	0.09	2.54	0.98	0.48	12.54
Alvin	3.78	3.58	1.80	1.98	3.43	0.68	0.26	1.08	3.19	8.90	5.23	2.44	36.35
Amarillo	0.57	0.00	1.27	2.19	1.49	4.47	2.42	1.61	0.20	2.57	0.33	0.46	17.58
Anderson	3.82	2.93	2.98	0.98	7.90	0.38	3.10	3.99	5.80	6.57	5.08	4.60	48.13
Angleton	3.71	2.72	1.23	1.73	5.73	0.45	2.95	2.56	3.61	9.79	4.93	3.75	43.16
Arthur City	1.12	1.90	2.26	2.26	10.51	0.56	0.29	1.20	1.11	4.65	2.45	1.70	30.01
Aspermont	0.55	0.00	0.74	8.29	2.98	0.26	0.00	1.44	2.48	8.12	1.23	1.94	28.63
Atlanta									2.09	6.55	6.27	2.93	-------
Austin	2.02	1.70	2.09	0.74	8.97	1.60	0.24	1.71	3.01	8.07	1.74	3.85	35.74
Austwell	2.52	0.85	2.53	6.93	6.60	0.58	1.25	0.00	1.78	6.18	3.27	1.89	34.38
Ballinger	T.	T.	0.80	1.25	6.90	3.70	T.	0.67	0.80	15.77	1.47	2.04	33.40
Balmorhea	0.32	0.16	0.47	1.50	0.93	4.87	0.72	2.82	0.47	1.98	0.85	0.73	15.82
Beaumont	4.33	3.45	2.66	0.81	4.09	0.50	2.73	3.83	6.67	5.50	6.29	5.36	46.21
Beeville	1.75	2.11	2.45	2.36	2.60	2.80	1.68	0.20	2.90	3.35	3.42	1.29	26.97
Big Spring	0.46	0.00	0.11	2.33	1.95	1.65	0.18	2.68	0.24	2.62	2.32	1.43	15.97
Big Wells	0.15	0.22	3.09	3.83	1.83	4.92	2.47	0.00	0.28	8.93	2.90	0.35	28.97
Blanco	1.11	1.70	1.91	1.23	5.41	2.88	1.29	0.00	3.48	8.84	2.71	1.81	32.37
Boerne	1.54	1.22	2.51	1.95	5.20	4.27	1.22	0.94	2.01	9.85	[2.34]	1.40	34.45
Bonham	2.23	2.31	1.26	3.33	8.17	2.01	2.98	1.14	0.67	5.69	2.72	2.06	34.57
Bon Wier	4.21	3.90	3.75	1.00	4.70	0.50	7.70	4.08	5.13	3.21	3.49	4.50	46.17
Booker	0.30	0.00	0.90	1.95	3.55	1.55	[2.44]	1.04	0.00	1.50	1.80	0.25	15.28
Brazos	0.64	0.80	1.52	0.37	8.30	1.04	0.81	3.18	0.52	8.75	1.60	2.68	29.61
Breckenridge	0.42	0.41	0.98	0.70	3.96	0.16	0.39	2.29	0.47	6.11	2.31	1.44	19.64
Brenham	5.39	2.06	2.64	1.12	3.80	0.41	1.38	2.49	4.90	5.88	4.96	5.37	40.40
Bridgeport	1.04	0.70	1.85	1.74	8.90	1.90	1.30	0.65	1.22	10.36	2.27	1.35	33.28
Bronson	5.35	4.50	5.28	0.20	6.15	0.00	2.60	1.70	4.64	7.00	5.40	4.60	47.42
Brownfield	0.55	0.00	0.30	0.48	3.93	2.10	0.39	2.25	0.00	3.92	0.53	1.62	16.07
Brownsville	0.56	1.09	1.41	3.09	5.07	3.01	0.42	0.53	2.80	9.36	5.95	0.42	33.71
Brownwood	0.63	0.32	0.66	2.61	4.04	2.54	0.23	0.44	1.31	8.63	0.91	1.20	23.62
Buena Vista	0.05	0.00	0.20	2.05	1.43	1.12	0.00	1.26	T.	1.60	T.	[0.16]	7.87
Cameron	2.66	3.61	4.20	0.33	7.28	1.35	T.	3.88	2.01	6.47	2.53	2.64	36.96
Canadian	0.55	0.00	1.10	1.47	2.40	3.40	1.50	1.10	0.88	2.75	1.45	1.25	17.85
Canyon	0.50	0.00	1.20	1.38	0.15	1.93	1.55	2.03	0.10	3.28	0.10	0.25	12.74
Carrizo Springs	0.16	0.03	1.64	4.67	1.53	3.82	0.33	0.02	0.29	4.04	2.66	0.31	19.50
Carrollton	0.79	2.44	2.07	3.19	10.25	2.74	0.06	1.55	2.15	6.98	1.58	1.72	35.52
Childress	1.80	0.20	0.57	2.18	2.40	1.12	0.65	0.33	0.87	7.63	0.34	2.60	20.69
Chillicothe	1.70	T.	0.65	3.44	1.77	1.31	0.87	1.66	0.77	9.52	1.03	2.36	25.08
Clarendon	0.98	0.18	1.92	1.38	4.04	1.87	0.60	1.17	0.50	5.70	0.47	1.10	19.91
Clarksville	4.43	4.87	1.40	2.86	11.06	0.26	2.29	1.39	3.46	6.07	3.44	1.95	43.42
Claude	0.90	0.05	1.45	0.34	0.32	3.00	0.74	0.71	0.00	2.83	0.31	1.07	11.72
Cleburne	0.84	2.74	2.17	2.83	11.36	2.10	0.28	1.49	2.18	7.73	2.08	2.13	37.93
Clifton	1.53	2.61	2.41	2.48	8.57	1.63	0.02	3.51	4.25	9.27	2.46	3.11	41.85
Clint	0.22	0.33	0.02	T.	0.88	0.36	1.65	1.19	0.04	0.21	0.35	0.58	5.83
Coleman	1.23	0.19	2.17	0.76	6.24	3.47	0.89	0.76	1.37	14.95	1.76	2.50	36.29
College Station	3.70	3.55	4.05	0.90	11.03	1.09	0.78	1.96	3.93	6.47	3.39	3.42	44.27
Columbus	5.10	1.91	2.34	0.48	3.11	0.89	1.99	1.39	2.03	5.92	8.00	3.76	36.92
Comanche	0.64	1.71	1.52	1.56	5.60	1.37	0.16	1.64	4.74	8.55	0.99	1.17	29.65
Conroe	5.42	4.31	2.83	0.77	4.56	1.62	0.85	2.33	2.80	6.91	4.16	5.13	41.69
Copperas Cove	0.74	1.60	1.13	1.64	8.67	0.70	0.50	3.20	4.26	9.43	2.55	1.68	36.12
Corpus Christi	0.75	0.37	2.21	1.53	4.37	0.69	1.29	0.32	3.72	7.72	1.63	0.71	25.31
Corsicana	2.65	2.78	3.14	2.22	11.20	0.45	0.72	1.02	3.52	5.90	3.17	1.87	38.64
Cotulla	0.24	0.40	1.93	7.16	2.90	2.30	0.45	0.00	1.30	3.65	2.32	0.00	22.65
Crane (near)	0.14	0.00	0.40	1.55	1.45	0.36	T.	1.22	0.93	1.31	1.19	0.25	8.80
Crockett	2.47	4.92	3.03	0.94	9.11	0.95	0.54	2.50	2.67	7.59	3.80	2.85	41.37
Crosbyton	0.84	0.05	0.85	1.68	0.95	0.50	0.24	4.03	0.66	5.12	0.90	2.73	18.55
Crowell	[0.78]	0.00	1.70	2.90	1.80	0.00	0.00	0.75	1.20	8.08	1.10	3.90	22.21
Cuero	2.38	1.25	2.44	1.43	3.75	0.85	0.84	1.30	1.66	5.58	3.97	2.03	27.48
Dalhart	0.60	T.	0.79	2.53	1.50	5.58	4.09	2.28	0.66	6.79	0.44	T.	25.26
Dallas	1.30	1.90	2.36	1.61	11.23	0.30	0.01	1.21	1.65	5.12	2.22	1.95	30.86
Danevang	2.88	3.05	1.81	1.66	5.58	0.09	4.34	0.84	2.96	5.79	2.47	2.81	34.28
Del Rio	0.09	0.01	1.48	2.01	1.01	2.19	0.94	0.08	0.04	11.69	2.19	0.70	22.43
Denison (near)	0.17	0.89	1.03	3.08	6.41	0.15	1.04	0.08	0.04	5.17	2.15	1.12	21.33
Denton	0.79	1.69	1.24	1.78	7.64	1.72	0.53	3.30	1.05	7.30	2.63	1.22	30.89
Dialville	5.62	5.78	1.91	1.26	8.26	1.40	3.08	2.32	4.21	7.91	5.38	3.97	51.10
Dilley	0.46	0.40	3.43	5.42	3.71	4.07	1.10	0.18	0.59	3.54	2.63	0.55	26.08
Dimmitt	0.60	0.00	0.50	1.31	1.30	4.67	1.69	2.07	0.49	3.89	0.57	0.87	17.96
Dublin	0.88	0.95	2.02	1.53	6.30	0.57	0.05	2.26	3.21	8.94	1.28	2.17	30.16
Dundee (near)	0.94	0.00	1.65	1.95	3.88	2.95	2.24	0.68	0.15	9.58	0.91	1.15	26.08
Eagle Pass	T.	0.16	1.11	1.53	3.73	3.40	1.28	0.05	0.08	4.10	2.69	0.43	18.56
Eastland	0.53	0.10	1.53	0.35	4.63	0.71	1.43	2.20	1.52	8.15	1.89	1.37	24.41
Edna	2.96	1.21	1.87	1.43	5.32	0.53	3.25	0.00	2.28	7.18	4.39	2.10	32.52
El Paso	0.17	0.16	0.03	T.	0.62	0.53	1.33	1.29	0.04	0.75	0.74	0.43	6.09
Encinal	0.59	0.48	1.45	2.39	3.50	4.01	0.73	T.	0.58	3.72	3.75	0.16	21.36
Fairland	0.39	1.18	2.74	1.64	6.46	1.85	0.40	0.84	2.80	8.36	2.04	1.32	30.02
Falfurrias	0.44	0.46	2.18	2.28	7.32	8.05	1.02	0.18	1.44	5.69	3.74	0.23	33.03
Finley	6.21	4.66	2.89	1.85	16.94	1.76	1.43	2.77	2.67	5.08	6.53	3.10	55.89
Flatonia	4.48	2.82	2.00	0.78	6.25	1.38	2.74	0.92	3.39	7.93	4.08	5.17	41.94
Flint	4.01	5.63	2.49	1.63	9.84	0.50	1.21	3.99	2.16	5.59	3.89	2.82	43.76
Floresville	1.10	1.81	1.74	1.59	2.38	1.88	1.45	0.00	0.00	5.06	2.42	0.96	20.39
Follett						0.50	0.60	1.10	0.72	2.33	0.76	0.70	-------
Fort Clark	0.10	0.03	0.50	2.92	2.17	4.19	1.45	0.27	0.16	7.29	2.66	0.55	22.29
Fort Davis	0.17	0.00	0.39	0.89	2.68	1.50	1.73	3.04	0.00	3.90	0.76	0.74	15.80
Fort McIntosh	0.27	1.00	0.61	2.02	3.89	2.58	0.40	0.10	3.14	6.67	3.46	0.12	24.26

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Texas—Continued													
Fort McKavett (near)	0.05	0.00	0.44	1.45	3.18	3.95	0.05	1.01	0.45	10.34	1.50	0.74	23.16
Fort Stockton	0.02	0.00	0.30	0.80	1.10	1.53	T.	0.55	0.54	3.02	1.04	0.10	9.00
Forth Worth	0.84	1.08	2.86	2.37	10.37	1.87	0.37	3.12	1.19	7.96	1.71	2.08	35.82
Fowlerton	0.37	0.30	2.22	4.55	5.49	4.04	0.00	0.00	0.85	3.22	3.59	0.00	24.63
Freeport	5.43	1.82	2.29	4.39	3.98	0.38	2.29	0.57	3.25	7.20	5.69	2.94	40.23
Friona (near)	0.40	0.00	0.72	1.63	0.63	1.21	2.77	1.06	0.78	1.46	0.58	0.32	11.56
Gainesville	2.26	0.98	0.93	0.92	9.81	1.70	0.89	1.51	1.57	7.60	3.13	1.72	33.02
Galveston	5.07	2.74	1.05	3.99	2.69	0.01	0.31	2.73	4.41	6.92	4.45	3.26	37.63
Garden City	0.19	[0.00]	0.10	3.00	1.45	1.30	T.	2.50	0.25	2.94	2.50	0.70	14.93
George West	1.16	1.10	1.60	3.20	3.08	4.24	0.52	0.00	1.81	8.06	2.36	0.45	27.58
Gilmer (near)	3.45	5.19	3.07	2.51	11.05	1.32	0.74	0.83	1.58	6.04	3.32	2.48	41.58
Goliad	2.32	1.17	2.24	1.47	4.69	1.47	1.92	T.	0.89	4.53	3.58	1.66	25.94
Gonzales	2.69	1.73	1.76	0.94	4.17	2.32	0.81	0.12	1.88	3.87	3.50	2.45	26.24
Goose Creek	6.61	3.51	2.76	1.61	7.62	T.	0.12	1.98	5.01	5.80	4.23	5.57	44.82
Graham	[0.68]	0.20	1.55	0.89	8.24	1.08	0.77	1.72	1.89	10.14	1.72	1.24	30.12
Grandfalls	0.85	0.00	0.40	3.00	0.70	0.80	0.00	1.45	0.30	1.05	0.80	0.22	9.57
Greenville	2.51	3.54	1.55	2.47	8.98	0.15	1.96	1.39	1.19	5.90	2.75	2.77	35.16
Groesbeck	1.53	2.27	2.38	2.09	9.93	1.27	0.26	1.50	3.11	5.92	3.86	1.96	36.08
Groveton	7.25	4.40	3.58	0.38	6.84	1.04	1.98	3.82	5.55	6.22	6.52	[2.99]	50.57
Hallettsville	4.70	0.98	2.11	0.88	1.12	T.	0.45	0.40	2.20	5.19	5.86	2.33	26.22
Hamilton	0.40	1.73	1.50	1.45	4.35	0.55	2.70	4.15	3.60	7.01	1.65	2.04	31.13
Harlingen	0.55	0.45	0.86	1.10	4.70	2.95	2.40	T.	5.65	9.04	5.15	T.	32.85
Harrisburg	5.17	3.48	1.94	1.48	8.94	0.77	2.69	3.84	2.91	7.59	2.85	5.48	47.14
Haskell	0.94	0.04	0.68	5.70	5.08	8.98	0.15	2.77	2.55	6.54	1.41	1.70	36.54
Hebbronville	0.64	0.40	3.23	1.45	4.22	4.46	2.55	0.00	1.02	3.99	3.79	0.35	26.10
Hempstead	4.71	2.57	2.83	0.88	3.50	2.15	0.00	2.10	4.53	3.15	4.58	3.09	34.09
Henderson	5.54	5.76	1.76	1.39	9.31	0.18	0.99	2.00	3.19	7.29	5.24	4.30	46.95
Henrietta	1.65	0.50	1.90	0.95	4.15	2.80	1.80	0.15	1.61	9.13	1.45	2.80	28.89
Hewitt	0.88	2.27	1.56	2.08	8.51	3.39	T.	3.33	2.13	7.42	3.46	2.11	37.14
Hico	0.18	1.24	2.61	2.51	4.76	0.99	0.23	2.62	3.67	8.32	[1.46]	[2.10]	30.69
Hillsboro	1.55	3.66	2.42	3.82	7.71	1.35	0.38	0.93	4.07	6.83	3.46	2.64	38.82
Hill's Ranch	1.39	1.71	1.91	0.89	8.60								
Hondo	0.95	0.28	2.19	2.52	3.44	5.34	0.24	0.20	0.56	7.18	2.51	0.72	26.13
Honey Grove	2.81	2.26	1.18	4.27	12.25	0.53	1.93	1.16	1.61	6.10	2.95	2.13	39.18
Houston	3.52	2.34	1.58	0.93	6.00	0.46	2.81	0.79	2.14	7.57	2.23	4.07	34.44
Hovey (near)	0.06	0.00	0.20	0.27	1.62	1.44	0.91	2.26	0.28	2.51	0.98	0.33	10.86
Huntsville	5.90	2.70	4.40	0.20	4.80	1.30	0.90	2.20	2.70	7.10	6.20	3.60	42.00
Jarrell	1.64	1.76	3.05	1.25	12.24	0.89	0.12	4.25	1.03	4.75	2.74	2.36	36.08
Jefferson	7.00	5.45	1.98	0.62	11.67	0.88	0.62	1.15	2.41	6.10	5.91	3.69	47.48
Junction	0.22	0.37	0.55	1.92	1.63	1.36	1.28	0.73	0.73	7.36	2.68	1.12	19.95
Karnes City	2.90	1.18	3.07	2.00	2.03	2.61	1.35	0.04	0.42	4.23	2.79	1.42	24.04
Kaufman	2.62	4.72	3.72	3.44	16.26	0.88	0.29	2.49	2.52	6.77	4.58	4.06	52.35
Kent	0.00	0.00	0.43	1.59	0.00	1.65							
Kerrville	0.57	0.62	1.48	1.58	7.52	4.88	1.41	0.61	1.00	11.52	2.40	0.97	34.56
Kingsville	0.10	1.10	2.74	1.96	5.25	3.27	1.75	[0.02]	0.65	6.42	3.40	0.14	26.80
Kirbyville (near)	5.36	3.86	2.57	0.24	6.59	0.09	1.90	4.49	3.08	5.11	5.03	3.74	42.06
Knickerbocker	0.45	0.00	0.30	2.20	0.99	1.80	0.83	0.35	1.40	8.65	1.85	1.10	19.92
Kopperl	0.10	1.76	3.44	2.44	11.61	1.14	0.25	3.05	2.25	8.41	1.71	1.96	38.12
Lagrange	3.89	1.97	1.97	1.23	4.59	2.99	0.97	3.01	3.25	7.31	4.22	4.62	40.02
Lamesa (near)	1.40	0.00	0.02	0.51	2.94	3.74	0.03	1.12	0.11	2.35	1.82	2.06	16.09
Lampasas	0.81	1.09	1.15	0.61	5.90	1.06	0.27	1.17	2.96	8.91	2.41	2.02	28.36
Langtry	0.13	0.04	0.20	1.53	1.26	2.77	0.16	0.08	0.26	4.89	2.09	0.75	14.16
La Parra	0.40	2.22	2.52	2.36	9.35	2.74	0.87	0.24	6.28	6.45	3.97	0.50	37.90
La Pryor	0.58	0.34	1.63	2.57	2.22	3.52	0.69	0.33	0.66	5.62	2.65	0.52	21.33
Laredo	0.37	0.81	0.74	1.90	3.46	2.31	0.21	0.14	3.51	6.74	3.65	0.15	23.99
Liberty	6.42	3.63	2.07	0.64	6.50	2.50	1.72	2.58	3.35	8.72	3.28	5.36	45.77
Littlefield	0.77	0.00	0.25	1.09	1.35	1.91	0.46	1.24	0.19	2.94	0.42	1.20	11.82
Llano	0.75	1.55	1.81	1.32	3.06	2.39	0.15	2.86	2.63	10.01	2.28	1.96	30.77
Longfellow (near)	0.65	0.00	2.27	2.06	1.23	1.25	0.00	1.31	0.90	3.00	1.20	0.65	14.52
Long Lake	2.35	4.03	2.51	0.92	7.96	0.90	0.00	5.22	2.25	6.97	3.57	3.06	39.74
Longview	3.93	5.28	2.25	1.40	9.23	0.86	0.08	1.46	1.51	7.18	5.73	3.58	42.49
Lubbock	0.61	0.03	0.45	1.04	1.71	1.70	0.12	1.34	0.11	3.91	0.94	1.44	13.40
Lufkin	8.76	3.75	2.77	0.14	6.48	1.75	0.87	1.85	6.59	4.83	5.80	3.92	47.51
Luling	2.24	2.12	2.25	1.04	6.71	3.93	0.49	2.38	2.37	3.93	2.77	2.32	32.55
McGregor	1.28	2.89	1.52	0.95	9.06	2.47	0.00	2.55	2.56	7.91	3.25	1.88	36.32
McKinney	0.95	1.25	1.84	4.01	7.56	T.	3.40	1.43	1.38	5.20	2.75	2.64	32.41
Madisonville	3.08	5.11	3.87	0.53	6.97	0.00	0.90	3.21	1.70	7.57	4.40	4.99	42.33
Marbee Falls	0.42	0.80	3.32	1.32	7.12	1.76	0.00	2.01	1.91	8.35	3.61	1.36	31.98
Marshall	3.20	4.50	1.70	0.86	8.31	0.93	1.05	2.55	2.71	7.02	5.86	4.70	43.19
Matagorda	1.79	2.33	2.17	5.22	2.59	T.	3.50	T.	4.09	5.88	4.93	2.69	35.19
Memphis	1.30	0.00	0.10	2.43	2.53	4.68	T.	1.59	2.80	4.90	0.75	1.35	22.43
Menard	0.00	0.00	0.26	0.75	0.60	2.60	0.13	0.70	1.27	8.49	1.11	0.37	16.28
Mercedes	0.63	0.75	1.02	2.12	3.22	2.99	0.54	0.13	1.07	5.43	3.54	0.18	21.62
Mexia	2.41	2.65	2.95	1.41	12.26	0.25	T.	1.49	3.40	7.46	4.17	2.23	40.68
Miami	1.70	0.28	1.90	2.52	1.41	2.88	2.05	1.52	1.09	4.74	1.43	1.05	22.57
Midland	0.85	0.00	0.11	1.29	1.13	5.95	0.06	4.24	0.51	1.59	1.87	0.78	18.38
Mission	0.36	2.43	1.94	3.50	4.08	7.05	1.74	0.19	1.19	5.68	4.04	0.27	22.47
Montell	0.60	0.65	0.91	1.84	3.13	6.85	0.52	1.06	0.27	7.23	2.86	0.98	26.90
Morris Ranch	0.19	0.70	2.34	1.50	5.29	4.06	0.14	1.77	0.98	11.31	2.41	0.75	31.44
Mount Pleasant	5.01	4.33	2.95	2.79	16.38	1.58	0.72	1.16	1.43	5.15	5.47	2.64	49.61
Muleshoe	0.00	0.00	0.00	3.52	1.84	2.93	1.27	1.65	2.43	2.04	0.69	0.47	16.84
Munday	0.85	T.	2.38	4.60	3.02	8.30	0.28	2.05	1.02	9.12	1.14	1.53	34.29
Nacogdoches	6.45	4.46	2.35	0.48	6.66	2.36	1.74	2.45	4.57	5.48	5.53	3.17	45.70
Navasota	4.20	3.28	3.02	1.13	4.93	1.18	3.06	6.79	4.80	6.10	5.84	5.40	49.73
New Braunfels	1.58	2.09	2.11	1.64	3.01	7.21	0.30	0.00	1.57	5.24	2.28	1.68	28.71
Nixon	1.74	1.59	2.09	1.41	1.38	2.99	1.65	0.69	0.74	3.00	2.78	1.48	21.54
Olton	0.79	0.00	0.20	1.40	0.60	2.85	1.22	2.71	1.26	5.92	0.64	1.08	18.67
Orange	7.61	5.03	4.17	1.74	3.32	0.06	3.47	6.46	8.64	5.75	4.36	4.90	55.51
Paducah	2.60	0.03	0.89	2.43	1.25	0.45	0.81	0.45	1.30	7.84	0.50	2.00	20.64
Paint Rock	0.68	T.	1.26	2.53	3.03	4.03	0.47	0.12	0.75	17.00	1.21	0.82	31.90
Palestine	3.19	4.21	2.15	0.99	8.20	0.52	0.74	2.10	2.46	6.62	3.23	3.06	37.49
Pampa	1.25	0.10	1.75	0.81	1.26	3.73	1.69	2.81	0.70	3.16	0.42	0.78	18.41
Paris	2.56	2.39	1.55	3.83	9.64	1.20	0.76	1.06	1.45	5.19	3.95	2.12	35.72
Pearsall	0.35	0.64	2.78	3.23	3.65	2.07	1.42	0.04	1.05	2.80	4.21	0.58	22.82
Perryton	0.20	0.00	0.93	1.82	3.96	1.64	1.39	1.80	2.18	1.25	1.03	0.26	16.45
Pierce	3.42	3.19	2.34	1.41	3.42	0.10	2.26	0.82	4.30	7.02	1.86	2.52	32.66
Plains	0.80	[0.00]	0.78	1.05	0.74	2.85	0.32	[1.90]	0.00	[2.81]	[0.67]	[1.20]	13.12

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Texas—Continued													
Plainview	1.63	0.08	1.04	1.83	3.16	3.89	0.20	1.48	1.24	5.84	0.40	1.61	22.40
Port Arthur	6.76	2.46	1.78	1.31	8.09	0.23	2.82	3.88	5.39	5.41	3.88	5.12	47.13
Port Isabel [1]	0.29	1.93	0.98	6.31	10.41	1.54	0.75	0.14	3.06	14.15	3.56	1.37	44.49
Post	0.65	0.00	0.25	1.26	3.35	4.76	0.19	1.45	0.24	3.19	0.09	2.35	17.78
Presidio	0.16	0.24	0.01	T.	0.67	0.23	1.81	1.03	0.00	3.95	1.11	0.61	9.82
Putnam	0.38	0.21	1.09	0.29	3.29	1.50	1.26	1.81	2.04	9.12	1.04	1.66	23.69
Quanah	0.70	T.	1.14	3.15	2.98	0.31	0.08	1.32	0.81	7.37	0.41	2.47	20.74
Raymondville	0.59	0.38	1.69	1.52	7.46	4.18	1.42	0.08	2.97	8.70	3.02	0.49	32.50
Reagan (near)	2.22	1.95	2.00	2.48	10.35	0.96	0.50	1.73	2.54	6.44	4.83	2.17	38.17
Ricardo	0.90	0.48	2.78	1.85	6.02	4.20	T.	0.05	4.09	9.07	3.50	T.	32.94
Ringo crossing	4.13	4.66	3.24	2.30	12.86	2.48	1.25	0.65	1.87	4.64	3.31	1.81	43.20
Riogrande	0.12	1.62	0.84	2.49	3.26	5.61	0.63	0.20	1.70	2.70	4.25	0.23	23.65
Riomedina	0.43	0.00	2.53	2.35	4.17	3.20	2.38	0.00	0.00	8.88	0.74	0.50	25.18
Riverside	4.99	4.59	3.96	0.09	5.32	1.30	2.64	3.74	2.52	5.40	5.34	3.13	43.02
Roby						2.53	0.00	0.71	0.60	6.77	0.85	3.34	
Rochelle	0.08	0.27	1.57	1.84	1.58	4.78	0.00	0.85	1.00	9.90	1.37	1.59	24.73
Rockland	5.96	4.43	2.87	0.21	3.67	0.23	1.06	3.80	2.56	9.43	5.84	4.41	44.47
Romero	0.55	0.00	2.23	1.80	0.45	6.00	3.30	1.75	0.75	7.81	0.20	0.10	24.94
Rosenberg	2.50	0.70	1.98	1.23	5.43	0.70	0.55	0.30	2.33	6.54	4.05	3.45	29.76
Rotan	0.18	0.00	0.84	1.93	2.65	1.75	0.10	0.64	1.29	4.74	1.05	1.52	16.69
Runge	1.16	2.15	1.85	1.46	1.43	1.80	1.09	0.00	0.56	2.33	1.99	1.14	16.96
Sabinal	0.72	0.04	1.59	1.99	2.28	5.67	0.00	T.	0.82	11.00	2.17	0.88	27.16
San Angelo	0.44	T.	0.34	2.50	1.64	1.40	0.15	1.05	0.76	7.77	2.15	1.01	19.21
San Antonio	1.25	0.94	1.76	2.20	0.89	4.03	1.99	0.41	1.74	4.01	2.69	0.88	22.79
San Benito	0.58	1.35	0.63	2.70	3.52	7.01	0.62	0.00	2.47	8.74	4.43	0.21	32.26
Sanderson	0.27	0.00	0.15	0.87	0.60	1.05	0.00	0.48	0.87	3.18	1.67	0.61	9.75
San Marcos	1.52	2.62	2.79	1.34	4.75	3.14	0.20	0.46	3.52	6.04	2.25	2.69	31.32
Sealy	4.36	1.65	1.28	0.66	3.52	0.98	2.79	3.38	1.19	7.38	2.51	3.73	33.43
Seguin	1.66	1.70	2.35	1.99	3.49	5.03	1.33	0.22	0.69	5.45	2.66	1.64	28.21
Seminole	[1.10]	[0.00]	0.21	0.48	1.12	2.03	0.06	1.54	0.06	1.90	0.81	0.78	10.09
Seymour	1.08	0.02	1.25	3.22	3.03	2.93	1.02	2.30	0.83	8.60	0.72	1.60	26.60
Shamrock	0.82	0.17	1.59	2.19	6.40	1.74	0.19	1.18	0.47	3.48	1.29	1.23	20.75
Sherman	[0.31]	[0.94]	1.29	2.62	6.50	0.96	0.46	0.64	0.88	6.61	3.09	2.05	26.35
Sinton	1.27	0.75	3.09	13.51	6.09	0.94	0.90	0.15	1.18	5.62	2.68	0.87	37.05
Smithville	3.24	2.98	2.56	0.58	7.93	3.27	0.62	1.07	3.37	7.97	3.16	4.32	41.07
Snyder	1.02	0.00	0.27	4.05	5.00	2.52	0.10	1.67	0.25	4.95	1.85	1.25	22.93
Southland	0.60	0.00	0.59	0.69	1.46	2.05	0.49	1.64	0.02	8.15	0.84	2.50	19.01
Spearman	0.25	0.00	1.17	0.44	0.66	0.88	1.60	0.20	1.55	0.87	0.12	0.30	8.04
Spur	0.86	T.	0.43	1.66	1.54	1.28	0.05	2.05	0.89	6.53	0.60	2.56	18.45
Stamford	0.20	0.00	1.62	3.45	2.55	1.71	0.10	2.85	4.76	5.21	1.04	1.76	25.25
Sterling City	0.00	0.00	0.20	1.86	3.75	2.50	0.00	0.55	0.33	2.94	2.00	2.00	16.13
Stratford	0.39	0.10	0.60	0.93	0.47	2.66	5.04	0.60	2.03	4.37	0.69	0.23	18.11
Study Butte	1.30												
Substation No. 14	0.16	0.05	0.54	1.64	0.95	3.86	1.44	2.05	1.11	12.80	2.63	0.73	27.96
Sugarland	2.78	3.16	2.89	1.01	4.67	1.10	1.28	0.54	1.37	7.33	4.09	4.07	34.29
Sulphur Springs	2.32	3.89	1.75	1.29	9.32	0.07	1.43	0.74	2.63	3.69	3.01	1.10	31.24
Tahoka	0.55	0.00	0.15	0.29	4.47	2.71	0.02	1.08	0.68	4.07	0.81	1.50	16.33
Taylor	1.36	2.47	2.61	0.43	6.48	0.35	0.80	1.35	4.08	6.55	1.96	3.22	31.66
Temple	0.55	1.47	2.00	1.34	11.73	0.99	0.18	3.68	2.41	8.04	3.46	1.81	37.66
Three Rivers	1.33	1.04	2.96	5.21	5.31	4.96	0.19	0.00	0.80	5.96	2.88	0.88	31.52
Throckmorton	1.22	0.05	1.00	1.11	6.57	0.91	0.42	1.33	2.29	7.70	1.81	1.43	25.84
Trinidad	2.15	3.59	2.88	1.89	12.33	0.00	0.00	2.10	3.59	7.40	4.07	3.02	43.02
Troup	3.78	4.91	1.78	1.22	11.48	T.	1.41	3.47	2.68	7.39	4.48	3.30	45.90
Tulia	[1.06]	0.01	1.18	1.82	0.79	[2.91]	[0.88]	2.18	T.	2.89	0.28	1.00	15.00
Uvalde	0.83	0.14	1.83	2.15	1.46	8.27	1.00	0.71	0.88	6.04	2.48	0.65	26.44
Valley Junction	2.72	3.06	3.59	0.31	6.91	1.74	0.44	2.12	1.78	5.70	4.53	2.32	35.22
Vega	0.83	0.00	0.73	1.46	0.84	2.33	2.30	1.22	0.40	1.80	0.93	0.45	13.29
Victoria	2.73	1.90	2.19	1.70	4.03	0.46	2.82	0.06	2.85	12.50	3.58	2.33	37.15
Waco	1.50	2.46	2.08	4.78	9.68	2.49	0.00	2.44	2.50	6.22	3.30	2.69	40.14
Waxahachie	1.58	4.15	2.81	2.33	10.72	0.98	1.58	2.05	2.37	6.45	4.07	2.64	41.73
Weatherford	0.85	0.92	1.47	0.73	11.28	1.18	1.00	2.31	1.71	8.89	2.21	1.65	34.20
Whitsett	0.86	0.62	2.70	8.35	3.18	2.50	1.47	0.00	0.83	3.32	3.09	0.45	27.37
Wichita Falls	1.82	1.09	1.47	1.30	3.04	4.08	0.42	1.35	1.02	9.79	1.48	2.34	29.20
Wiergate	4.27	3.22	2.12	0.00	7.76	0.55	2.16	2.70	6.82	5.89	5.55	3.90	44.94
Winfield (near)	6.35	3.90	2.30	2.30	18.40	0.82	1.25	2.07	0.47	6.70	5.25	4.79	54.60
Winters (near)	0.76	T.	0.77	1.79	5.32	2.62	0.16	1.02	2.03	5.36	1.65	1.28	22.16
Woodsboro	1.68	0.62	3.14	8.21	3.10	1.14	1.30	0.20	1.39	5.79	2.42	1.39	30.38
Yoakum	3.42	1.38	2.19	0.97	3.65	1.53	0.33	0.78	1.48	6.31	5.85	1.52	29.41
Utah													
Alpine	1.91	1.85	1.60	0.93	2.71	0.32	1.95	1.48	2.05	1.40	1.55	0.60	18.35
Alton	2.16	1.04	0.71	0.68	2.03	1.71	1.52	1.51	1.58	0.32	1.32	0.00	14.58
Alunite	2.55	0.57	0.83	0.32	1.00	0.53	1.74	1.59	2.24	0.32	0.73	0.16	12.58
Antimony					0.29	0.05	3.42		1.00	0.01	0.07	T.	
Beaver	2.04	0.27	1.02	0.16	0.94	0.05	1.76	3.96	1.14	0.58	0.66	T.	12.58
Benmore	1.21	0.90	1.25	0.48	0.64	0.22	0.68	2.02	1.34	0.99	0.51	0.05	10.29
Blacks Fork	2.64	2.20	2.83	0.67	1.99	0.53	2.30	5.70	1.60	0.87	0.88	1.05	24.26
Blanding	1.54	0.73	0.71	1.65	0.39	0.40	0.66	1.82	2.55	0.34	1.90	0.00	12.69
Bluff	1.02	0.41	0.31	0.72	0.17	0.36	0.28	0.34	0.71	0.20	0.83	0.00	5.35
Brigham City	3.15	2.26	1.64	1.50	2.24	0.78	0.54	3.11	2.27	3.74	0.90	0.55	22.68
Castle Dale	1.26	0.25	0.18	0.88	0.65	0.61	1.73	2.77	1.60	0.25	0.16	0.00	10.34
Cedar City	1.30	1.60	1.30	0.30	1.53	0.63	1.10	2.58	0.79	0.83	1.30	0.10	13.36
Clarkston	0.42	1.49	0.94	2.24	2.84	1.06	0.72	4.30	1.10	3.22	0.75	0.25	19.33
Coalville				1.00	1.59	0.40	0.91	1.35	1.72	0.93	1.65	0.62	
Corinne	1.81	1.73	1.44	1.67	1.81	0.28	0.30	3.71	1.37	3.36	0.67	0.31	18.46
Cottonwood Weir	1.56	2.51	1.64	1.67	2.22	0.30	1.42	2.34	3.32	2.09	1.57	0.90	21.54
Deseret	0.40	0.66	0.62	0.33	1.47	0.12	0.47	2.12	1.30	0.71	0.70	0.15	9.05
Duchesne	0.67	0.35	1.78	0.79	0.53	0.15	1.35	1.23	1.31	0.15	0.95	T.	9.26
Elberta	0.91	0.63	0.74	0.39	1.91	0.05	1.34	2.62	1.27	0.81	0.98	0.05	11.70
Elkhorn (Ashley) Ranger Station	1.09	0.60	1.13	1.14	2.26	0.70	2.85	1.71	2.34	0.74	2.30	0.00	16.86
Emery	1.70	0.00	0.25	0.90	1.07	1.08	1.01	2.50	1.75	0.30	0.40	0.00	10.96
Escalante	1.85	0.00	0.19	0.64	0.86	0.85	3.02	1.47	2.30	0.00	0.11	0.00	11.29
Eureka				0.62	1.89	0.08	1.37	4.18	1.69	2.04	1.08	0.19	
Farmington	2.45	2.54	1.51	[2.10]	2.71	0.87	1.42	3.34	2.31	2.33	1.40	0.74	23.72

[1] Name changed from Point Isabel.

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Utah—Continued													
Fillmore	2.12	1.37	1.23	0.18	2.74	0.42	2.73	3.21	1.16	0.75	1.39	0.19	16.49
Fort Duchesne	0.67	0.07	0.24	0.57	0.46	T.	T.	1.11	2.38	0.00	0.86	T.	6.36
Fruitland	1.67	0.39	1.89										
Gooseberry Ranger Station					0.80	1.05	2.28	2.69	2.54	0.68			
Government Creek	0.91	1.51	0.91	0.92	1.39	0.32	0.40	3.74	1.27	0.97	0.96	0.10	13.40
Grantsville	0.73	0.74	0.35	0.83	1.62	0.41	0.46	1.89	1.24	1.14	1.41	T.	10.80
Great Basin Experiment Station	5.48	2.26			3.16	1.13	1.90	4.36	5.35	1.20	2.41	1.12	
Great Basin Experiment Station (Alpine)	2.07					0.50	2.19	3.24	3.69	0.36			
Great Basin Experiment Station (Oak Brush)	2.58	1.09			2.58	0.25	0.85	2.89	3.40	1.52	1.80	0.23	
Green River	0.99	0.12	0.49	1.45	0.34	0.28	0.30	0.84	1.96	0.34	0.03	0.00	7.14
Gunlock (near)	2.50	1.07	0.65	0.60	2.52	0.59	0.86	2.24	0.71	1.65	0.04	0.00	13.43
Hanksville	0.50	0.00	0.48	0.95	0.14	0.22	1.26	2.32	0.66	0.31	0.43	T.	7.27
Hatch	0.34	0.19	0.59	0.17	0.92	1.13	0.89	2.06	1.80	0.61	0.54		
Heber	2.08	1.13	1.59	1.09	0.89	0.38	1.20	1.17	2.01	0.85	1.45	0.16	14.00
Hiawatha	1.82	0.33	0.97	0.60	1.06	1.10	0.62	4.33	2.16	0.58	0.58	T.	14.15
High Line City Creek	3.16	3.39	1.77	1.91	2.77	0.71	2.43	3.68	3.75	1.96	1.82	0.93	28.28
Hole-in-the-Rock							3.14	5.09	0.28	0.65			
Huntsville	3.01	1.70	0.65	[2.00]	2.65	0.50	0.00	2.75	1.00	2.55	0.95	0.55	18.31
Hurricane	1.77	0.95	0.68	0.05	2.05								
Ibapah	0.61	1.70	1.40	1.08	3.31	0.44	1.43	4.10	0.78	2.67	1.24	0.45	19.21
Jensen	0.77	0.32		0.70	1.12	0.00	0.16	0.78	2.09		0.45		
Kanab	1.93	0.94	1.26	0.23	1.63	0.28	2.00	1.65	1.48	0.15	1.79	0.00	13.34
Kanosh	2.01	1.32	1.48	0.26	1.66	0.04	1.37	3.63	1.37	0.56	1.15	0.29	15.14
Laketown	1.25	0.73	0.64	1.30	1.93	0.97	0.16	2.74	2.09	0.99	0.41	0.02	13.10
La Sal	1.85	0.29	1.00	2.28	0.28	0.22	2.31	1.04	0.96	0.40	0.80	0.07	11.50
Leeds (near)	2.31	1.92	0.88	T.	1.12	1.16	T.	1.45	1.10	0.80	0.90	0.00	11.64
Lemay	0.64	T.		0.24	2.13	T.	0.10	1.03	0.10		0.30	0.00	
Levan	2.48	1.24	2.05	0.86	2.74	T.	1.40	3.92	2.48	1.23	1.28	0.10	19.78
Lewiston	2.75	1.96	1.83	2.34	3.34	0.83	1.15	2.82	1.49	2.93	1.51	0.54	23.49
Loa	0.69	0.04	0.45	0.40	T.	0.33	1.85	3.04	1.75	0.05	0.10	0.20	8.90
Logan	1.97	1.55	1.62	2.05	2.73	0.68	1.09	1.90	2.35	2.92	1.11	0.36	20.33
Logan Sugar Factory	2.19	1.39	1.53	2.01	2.59	0.76	0.76	2.30	2.38	3.11	1.92	0.26	21.20
Lowder Ranger Station						1.05	3.72	2.31	1.45				
Lower American Fork	1.73	1.41	1.22	0.78	2.87	0.22	1.43	1.66	2.09	1.43	1.23	0.55	16.62
Lower Mill Creek	2.40	2.70	1.21	1.70	1.65	0.43	1.01	3.79	3.33	2.28	1.49	0.94	22.93
Lucin	0.70	0.28	T.	0.13	2.58	0.10	0.10	0.69	0.52	1.35	0.45	T.	6.90
Lund	0.73	2.08	0.67										
Mammoth Ranger Station						0.35	0.69	3.20	4.50				
Manila	[0.50]	[0.20]	0.95	0.42	0.40	0.21	1.54	3.12	1.40	0.30	0.72	0.00	9.76
Manti	1.76	0.89	1.50	0.58	2.24	0.30	1.18	1.88	2.34	1.24	0.85	0.03	14.79
Maplewood	1.19	1.21	1.07	1.12	2.51	0.55	2.36	2.61	1.98	1.10	1.97	0.73	18.40
Midvale	1.68	1.45	0.95	0.91	1.78	0.23	1.20	1.71	2.32	1.32	1.37	0.37	15.29
Milford	0.85	0.17	1.67	0.29	1.63	0.28	0.14	1.57	0.43	0.64	0.67	0.12	8.46
Moab	2.55	0.99	0.41	1.81	0.25	0.53	1.14	1.17	1.36	0.36	0.60	0.60	11.17
Modena	1.89	0.56	0.39	0.65	1.28	0.71	0.58	2.72	0.27	1.09	1.17	T.	11.31
Monticello	4.35	0.64	0.48	0.91	0.69	0.35	2.36	2.11	1.49	0.92	2.76	T.	17.06
Morgan	2.46	3.15	1.75						1.46	1.38	1.25	0.25	
Moroni	2.06	0.68	1.67	0.61	2.11	0.03	0.93	2.30	1.56	1.04	0.80	0.06	13.85
Mountain Dell	3.08	2.67	1.73	2.11	2.05	0.47	1.90	3.44	4.64	2.95	2.54	0.65	28.23
Mount Baldy Ranger Station						0.60	2.70	4.76	5.22				
Mount Emmons	0.66	0.28	1.44	0.67	1.32	0.17	0.84	0.85	1.88	T.	1.27	0.00	9.38
Myton	0.32	T.	0.74	1.04	0.38	0.15	0.50	0.94	1.41	0.06	0.71	0.00	6.25
Nada	2.01	0.51	1.04	0.33	0.95	0.11	0.21	3.15	0.37	1.22	0.72	T.	10.62
Nephi	1.77	1.12	2.22	0.88	2.58	0.17	1.44	2.44	2.61	1.41	0.72	0.18	17.54
Oak City	1.47	1.02	0.63	0.35	1.42	0.02	1.76	2.97	1.27	0.76	1.24	0.27	13.18
Ogden	3.07	1.63	1.37	1.69	2.27	0.62	1.73	5.02	2.02	2.70	1.44	0.56	24.12
Ogden Sugar Factory	2.80	1.73	1.19	2.07	2.41	0.43	0.80	2.77	2.59	2.74	1.40	0.57	21.50
Orderville	2.76	1.24	0.90	0.98	2.67	0.65	1.04	3.44	0.86	0.07	1.75	0.00	15.46
Orr's ranch	0.81	0.70	0.25	0.25	1.61	0.48	0.05	3.25	1.61	1.56	0.70	0.06	11.33
Otter Creek Reservoir	1.29												
Panguitch	0.78	0.05	0.45	0.26	1.06	0.54	1.69	2.80	1.40	1.02	0.26	0.04	10.35
Park City	3.46	2.68	2.56	0.19	0.84	0.08	[1.75]	3.81	3.06	1.02	2.44	0.90	22.79
Park Valley	0.84	0.61	0.71	0.88	2.65	0.79	0.12	3.48	0.87	2.58	1.49	0.08	15.10
Parowan	1.40	1.15	0.89	0.26	1.12	0.18	1.27	2.51	0.75	0.07	1.07	0.02	10.69
Payson	1.56	1.33	0.85	0.82	1.98	0.62	1.62	2.67	2.00	0.96	1.91	0.22	16.54
Piute Dam	1.40	0.11	0.87	0.29	0.60	0.57	1.24	0.81	1.18	0.36	0.57	0.10	8.10
Price	1.32	0.42	1.10	0.74	0.80	0.73	0.71	3.45	1.47	0.47	0.75	0.00	11.96
Provo	1.41	0.91	0.74	0.62	2.00	0.32	0.78	2.72	1.14	1.25	1.68	0.55	14.12
Provo Bench	1.31	1.07	1.16	0.65	2.70	0.51	0.45	3.97	1.81				
Richfield	0.87	0.42	1.01	0.25	0.92	0.16	1.15	1.82	1.79	0.24	0.39	0.24	9.26
Richmond	2.29	2.35	1.41	1.83	2.55	0.53	1.02	2.11	1.64	2.74	1.19	0.26	19.92
Riverdale	2.87	1.79	1.66	1.73	2.59	0.49	1.82	3.71	2.34	2.86	1.91	0.60	24.36
St. George	2.10	0.80	0.18	0.35	1.56	0.48	0.51	1.52	0.25	1.80	0.74	0.00	10.29
Salina	1.17	0.75	1.22	0.36	1.20	0.42	0.81	2.65	1.75	0.35	0.25	0.03	10.96
Saltair	1.28	1.02	0.20	1.13	1.34	0.12	[0.90]	2.87	2.43	1.68	1.71	0.41	15.09
Salt Lake Airport	1.28	2.01	1.00	1.10	1.57	0.37	0.60	3.06	2.25	1.74	1.09	0.63	16.70
Salt Lake City	1.38	2.15	0.74	1.48	1.52	0.32	0.84	1.87	2.40	1.42	1.07	0.54	15.73
Santaquin	1.64	1.36	1.66	1.19	2.23	1.08	2.22	3.95	2.38	1.15	1.29	0.17	20.32
Scipio	1.80	1.14	0.75	0.42	1.66	0.35	0.58	3.46	1.91	1.15	1.31	0.16	14.69
Sevier Bridge Dam				0.44	1.13	0.18	0.83	2.76	0.95	0.90	0.38	T.	
Silver Lake	7.00	4.52	3.63	2.36	3.25	0.71	1.82	2.96	5.24	2.72	3.47	1.27	38.95
Smithfield (near)	1.82	1.66	1.63	2.48	2.60	0.50	0.87						
Snake Creek	3.53	2.03	2.38	0.98	1.71	0.29	1.63	1.75	1.14	0.87	2.38	0.46	19.15
Snowville	1.22		0.93		2.76	1.00	T.	2.34				0.15	
Soldier Summit	[1.70]	[0.70]	1.77	1.41	1.21	0.18	1.26	2.61	3.36	1.62	0.77	0.04	16.63
Spanish Fork	2.03	1.34	1.17	1.70	1.70	0.39	1.56	3.76	2.25	1.33	2.14	0.53	19.90
Springdale	1.72	1.24	1.53	0.19	2.32	0.63	0.62	2.20	1.44	0.69	0.84	0.00	13.42
Sunnyside	1.49	0.47											
Thistle	5.00	0.75	2.00	2.20	1.66	0.01	1.65	3.02	3.24	1.60	1.03	0.60	22.96
Thompsons	2.11	0.30	0.68	1.62	0.67	0.10	1.33	1.15	1.43	0.00	0.73	0.00	10.12
Tooele	1.11	2.36	1.10	1.44	1.31	0.18	1.70	1.79	2.43	2.00	2.11	0.16	17.69
Tremonton	1.38	1.26	0.65	1.23	1.86	0.84	0.36	3.08	1.21	1.68	0.59	0.29	14.43
Trout Creek Ranger Station							3.78	5.62					
Utah Lake (Lehi)	1.05	0.93	0.93	0.64	1.22	0.45	2.16	1.61	1.92	1.95	0.85	0.16	12.97
Vernal	0.95	0.20	0.54	0.79	0.68	0.12	0.21	1.38	1.63	0.60	1.60	0.00	8.70

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Utah—Continued													
Watson (near)	0.79	0.40	0.89	1.27	0.97	0.23	2.21	1.88	2.20	0.01	2.93	0.05	13.83
Wendover	0.82	0.20	0.14	0.34	1.57	0.54	0.28	2.34	0.56	1.36	0.80	0.20	9.15
Widtsoe	1.22	0.33	0.57	0.22	0.96	0.51	2.82	1.50	1.95	0.39	0.40	0.04	10.91
Woodruff	0.87	0.33	0.68	0.76	1.54	0.17	T.	2.99	1.34	0.65	0.45	T.	9.78
Yellowstone Ranger Station						0.32	2.82	4.55	2.46				
Zion National Park	3.06	1.62	1.29	0.16	1.80	0.57	0.85	2.14	1.16				
Vermont													
Bellows Falls	2.69	0.78	5.60	0.85	3.20	4.47	3.17	2.11	1.24	3.00	3.19	1.54	31.84
Bennington	2.34	1.64	3.63	1.27	3.81	2.34	4.50	1.42	3.08	1.59	2.86	0.52	29.00
Bethel	2.80	1.10	4.39	1.20	3.09	3.27	3.03	1.95	2.03	1.88	2.70	1.09	28.53
Bloomfield	2.42	1.46	3.18	1.34	4.07	3.12	3.89	2.11	4.99	2.48	2.16	1.47	32.69
Brattleboro	2.30	1.02	6.23	1.62	4.17	4.90	3.44	1.56	1.86	2.70	3.98	1.67	35.45
Burlington	2.56	0.48	3.62	2.10	5.18	3.90	3.07	1.61	1.85	2.48	1.82	0.82	29.49
Cavendish	2.49	0.86	5.37	1.52	3.90	6.73	2.48	2.66	1.59	2.29	2.85	1.44	34.18
Chelsea	2.87	0.71	3.93	1.81	2.98	3.87					2.73	1.22	
Cornwall	1.65	1.05	4.01	0.71	4.42	5.60	3.68	1.95	2.37	1.97	2.45	1.66	31.52
East Barnet					3.54	3.17	4.38	2.29	0.86	2.52	1.75	1.31	
East Ryegate					3.15	3.70	5.55	3.58	1.40	2.72	2.12	1.16	
Enosburg Falls	3.26	0.92	5.03	1.65	6.09	4.99	5.18	2.23	2.73	2.79	1.49	1.91	38.27
Garfield	4.02	0.81	2.56	0.37	4.58	5.29	3.14	1.00	3.14	1.54	1.15	1.07	28.67
Gilman					4.58	4.38	4.60	2.91	1.77	2.66	1.95	1.11	
Guildhall											1.52	1.37	
Mays Mill				2.22	4.40	5.56	3.62	2.85	2.29	3.03	3.85	1.66	
Newfane					4.55	4.79	3.38	1.79	1.38	3.01	3.94	2.05	
Newport		1.54	3.51	1.22	3.24	4.49	3.15	1.42	1.80	1.47	2.27	0.77	
Northfield	2.31	0.93	3.61	1.65	3.80	4.99	3.64	1.17	2.22	1.10	2.69	0.85	28.96
Rochester	3.53	0.72	5.60	1.69	4.59	3.75	3.95	4.58	3.00	1.73	3.21	1.74	38.09
Rutland	2.41	1.19	4.11	1.07	4.91	4.17	3.88	2.87	3.33	1.62	2.68	1.51	33.75
St. Albans	3.47	0.59	3.93	1.74	4.80	4.64	4.67	1.50	1.86	1.98	1.75	1.15	32.08
St. Johnsbury	2.72	0.92	3.12	1.11	3.58	4.12	5.09	2.22	2.84	2.36	2.00	1.24	31.32
Searsburg Mountain				2.38	5.22	4.37	5.95	2.58	4.08	1.66	3.52	1.90	
Searsburg Station					4.75	4.95	4.66	2.85	2.29	1.88	4.23	2.35	
Somerset	4.00	2.65	5.39	2.20	5.58	4.97	4.39	4.11	3.22	1.92	3.69	2.18	44.39
South Londonderry					5.09	4.88	4.28	3.50	1.62	1.75	3.37	2.00	
Vernon	2.40	1.21	5.45	1.16	3.83	3.81	4.54	2.10	1.89	2.31	3.90	1.58	34.18
West Burke							5.35	2.25	3.04	2.40	2.10	0.93	
West Hartford					3.09	3.99	2.90	2.36		2.19	2.01	1.14	
White River Junction	2.37	0.82	3.94	0.64	3.34	2.63	3.80	3.16	1.63	2.40	1.49	1.41	
Whitingham					3.87	4.00	3.79	2.36	1.79	1.59	3.96	1.71	
Wilder					3.45	3.14	3.25	3.71	1.83	2.58	2.03	1.20	
Wilmington					4.59	5.00	3.14	2.70	2.38	2.21	3.56	3.00	
Woodstock	2.44	0.72	4.61	1.63	3.85	5.59	3.23	2.76	1.95	2.20	3.16	0.99	33.13
Virginia													
Balcony Falls												4.26	
Blacksburg	1.78	1.25	1.02	1.54	1.79	1.37	0.93	1.08	2.09	1.33	2.96	3.95	21.09
Buchanan	2.46	0.91	2.87	1.28	0.98	4.33	0.55	0.91	1.04	0.92	2.06	3.96	22.27
Burkes Garden	3.20	2.01	2.88	2.22	2.78	0.27	2.61	3.49	1.93	1.10	2.67	2.45	27.61
Callaville	3.44	1.00	2.60	2.73	2.72	4.29	2.40	2.00	1.78	1.56	3.26	2.11	29.89
Cape Henry	4.48	1.84	2.26	1.73	2.88	6.68	2.03	1.88	0.48	1.59	0.87	3.39	30.11
Catawba Sanatorium	1.70	0.60	1.24	1.41	0.91	3.39	0.42	1.07	0.41	0.99	1.70	3.69	17.53
Charlottesville	2.62	1.24	2.72	2.90	1.66	2.89	0.78	2.30	1.76	0.57	1.81	2.41	23.66
Chatham	3.30	1.42	2.14	1.66	3.38	3.48	1.65	1.67	0.98	1.31	3.57	3.22	27.78
Christchurch	3.18	1.82	1.47	2.80	2.34	6.36	2.62	0.67	0.79	1.87	0.99	2.32	27.23
Clarendon	2.75	1.57	2.16	2.81	1.89	3.26	3.54	0.24	1.00	0.31	0.81	2.32	22.66
Clarksville	4.51	0.98	1.36	2.24	3.18	4.51	2.43	0.39	1.50	1.61	2.19	3.73	28.63
Columbia	3.62	1.25	1.91	3.38	2.83	2.30	0.91	2.29	0.70	1.03	1.52	2.50	24.24
Culpeper	2.70	1.65	2.45	2.40	2.72	2.40	0.92	0.41	1.04	0.19	1.34	2.75	20.97
Dahlgren	3.42	1.31	0.79	2.61	2.99	2.95	0.89	0.18	1.28	0.75	0.98	2.32	20.47
Dale Enterprise	1.98	1.04	1.92	1.19	1.20	3.95	0.08	1.11	0.85	0.31	0.93	3.04	17.60
Damascus	1.57	1.65	3.79	2.11	3.00	1.49	2.38	4.38	3.17	1.87	1.63	2.38	29.42
Dante	1.65	2.27	3.15	1.88	12.53	1.93	3.46	5.58	1.86	1.92	3.17	2.07	41.47
Danville	3.56	0.99	2.60	1.81	2.93	3.48	2.71	0.72	1.02	1.57	2.99	4.72	29.10
Deerfield	1.28	1.37	2.34	1.42	0.29	1.10	0.15	1.13	3.28	0.78	1.77	3.02	17.93
Diamond Springs	4.15	2.30	2.60	2.98	2.13	4.82	2.70	1.69	2.30	2.40	1.05	4.54	33.66
Emory	2.52	1.86	2.85	2.65	3.31	3.01	0.81	4.18	2.13	2.18	1.64	2.62	29.76
Farmville										1.28	2.43	2.60	
Fredericksburg	2.83	2.82	1.28	2.37	1.59	4.41	2.24	0.65	0.90	0.68	0.66	2.38	22.81
Glenlyn	2.16	1.70	1.55	1.44	2.38	1.27	1.27	1.69	1.20	2.26	2.48	2.58	21.98
Halifax												2.79	
Hopewell	2.69	0.97	0.74	3.22	3.60	4.91	2.60	0.94	0.67	1.67	1.41	2.39	25.81
Hot Springs	1.64	1.13	3.16	1.63	1.42	3.18	0.33	2.63	0.40	0.58	1.45	3.83	21.38
Ivanhoe	1.80	0.89	1.42	1.28	2.14	1.02	2.24	3.60	1.94	0.99	1.97	3.74	23.03
Langley Field	3.51	1.34	1.21	1.70	1.53	4.12	1.82	1.88	3.01	1.51	0.90	1.97	24.50
Lexington	2.40	0.94	2.08	1.53	1.38	2.77	0.70	1.90	1.24	0.81	1.11	3.99	20.85
Lincoln	2.39	1.87	2.40	2.71	1.38	3.97	0.39	0.49	0.28	0.33	1.24	2.62	20.08
Lynchburg	2.77	0.95	2.26	1.45	1.75	2.57	0.90	0.42	0.90	0.62	2.44	2.80	19.83
Manassas												2.35	
Martinsville										1.04	2.52	4.55	
Mendota	2.08	2.72	3.88	2.47	4.01	2.65	3.79	6.04	1.31	1.84	2.25	1.91	34.95
Mineral	3.71	1.59	0.68	2.97	1.71	3.88	1.00	0.54	1.68	0.92	0.70	2.17	21.55
Mount Weather	0.99	2.51	3.52	3.98	1.74	3.80	0.37	0.43	0.65	0.09	1.83	2.71	22.62
New Canton	3.34	1.14	3.03	2.76	2.34	1.37	2.26	1.07	0.60	1.17	1.79	2.44	23.91
Norfolk	4.09	1.24	1.68	2.38	1.63	5.90	2.50	0.64	0.57	2.00	1.26	3.02	26.91
North River Dam									0.33	0.24	0.70	2.79	
Onley	3.29	3.17	1.44	1.62	2.79	3.63	2.39	2.46	0.88	2.54	1.43	4.08	29.72
Pedlar Dam							0.53	1.62	0.54	0.76	2.15	3.05	
Powhatan	2.57	1.27	0.80	3.36	1.77	1.70	2.08	1.64	1.59	1.48	1.73	2.00	21.99
Quantico	2.29	1.74	0.99	2.47	2.52	3.11	1.55	0.19	1.02	0.65	1.02	1.41	18.96
Radford	1.72	0.80	0.97	1.46	1.41	1.86	1.19	1.77	1.04	1.26	2.00	3.31	18.79
Randolph	2.91	1.20	1.50	2.78	3.26	3.30	0.92	0.15	2.46	1.48	2.13	3.09	25.18
Richmond	4.25	1.21	1.07	3.19	2.71	5.18	4.51	2.35	1.37	1.31	1.63	2.48	31.26
Roanoke	2.86	0.97	2.61	1.46	1.85	2.42	1.19	1.43	0.69	1.29	2.25	4.15	23.17

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Virginia—Continued													
. ocky Mount	2.52	0.59	4.42	1.55	3.26	4.41	1.19	1.37	1.33	1.20	3.62	3.63	29.09
Runnymede (near)	3.75	0.77	1.18	[2.92]	[2.39]	6.93	2.60	1.50	1.16	2.46	1.47	2.81	29.94
Saltville	2.03	1.94	2.84	2.59	3.47	1.53	2.21	3.68	3.48	2.10	1.80	3.19	30.86
Speers Ferry	0.70	2.90	2.60	1.30	4.06	2.15	4.62	4.33	1.93	1.66	3.14	2.83	32.22
Staunton	1.99	0.98	1.62	1.46	0.91	3.29	[0.31]	[1.38]	0.67	0.64	1.41	2.10	16.76
Stuart	1.61	0.95	3.19	1.01	2.47	3.65	1.17	1.30	2.67	2.00	3.24	4.43	27.69
Tappahannock											1.08	2.39	
Wallaceton	4.67	2.26	2.29	2.95	1.53	6.61	2.92	1.98	1.27	2.13	2.75	4.66	36.02
Williamsburg			1.13	2.58	2.02					1.77	1.56	3.22	
Winchester	1.55	0.48	2.22	1.79	1.19	3.06	[0.48]	0.54	1.11	0.22	0.87	3.28	16.79
Woodstock	1.43	1.73	1.89	1.59	1.51	1.55	0.60	1.17	1.34	0.12	0.98	2.53	16.44
Wytheville	1.65	0.88	2.05	1.40	2.45	0.91	2.66	2.13	1.09	1.10	2.16	2.88	21.36
Virgin Islands													
St Croix:													
Annally	6.45	2.19	1.48	2.37	0.99	4.87	1.97	1.93	7.11	6.70	11.75	3.31	51.12
Bonne Esperance	5.64	2.08	1.21	1.83	0.13	2.89	0.97	1.47	3.62	4.28	11.97	3.77	39.86
Christiansted	5.79	1.95	0.78	0.99	1.29	1.86	1.50	0.72	2.25	1.83	11.30	3.93	34.19
Experiment Station	4.75	1.78	1.10	1.25	0.66	1.86	1.38	1.70	2.94	2.05	10.86	4.77	35.10
Fredericksted (Prosperity Estate)	4.81	2.61	1.31	2.01	0.61	4.10	1.52	1.44	6.98	5.12	10.53	4.31	45.35
King's Hill	4.12	1.99	0.98	1.19	0.21	5.53	1.15	1.25	2.94	4.63	12.13	4.50	40.62
St. John:													
American Hill	4.12	1.70	0.60	0.50	2.78	5.83	1.43	3.20	3.81	1.04	11.86	3.64	40.51
Cruz Bay	3.52	1.47	0.94	1.12	1.49	3.04	2.14	1.78	3.49	1.83	7.17	3.48	31.47
St. Thomas:													
Anna's Retreat	4.16	1.44	1.11	0.79	0.97	3.28	2.65	2.85	2.62	6.71	8.32	2.45	37.35
Bonne Esperance	2.82	2.77	1.94	1.05	1.41	3.89	1.07	2.58	5.28	4.95	13.79	2.83	44.38
Charlotte Amalie	2.59	2.11	1.73	0.77	1.11	3.69	1.76	2.68	3.33	7.04	10.03	2.34	39.18
Washington													
Aberdeen	9.52	12.63	7.22	7.81	4.65	2.35	0.24	0.27	4.64	6.52	6.67	6.68	69.20
Adna	2.30	5.88	3.46	3.15	1.91	0.62	T.	0.14	1.80	3.37	3.84	1.76	28.23
Alpowa Ranch	0.66	1.52	1.49	1.84	1.63	0.97	0.06	0.12	0.83	1.14	0.55	0.55	11.36
Anacortes	0.64	3.14	2.67	1.13	0.85	0.71	0.05	0.00	1.82	5.24	1.60	1.31	19.16
Anatone	1.57	2.85	1.23	2.91	2.37	2.60	0.14	0.52	1.16	1.21	1.20	0.69	18.45
Ariel		10.40	4.77	4.05	3.56	1.56	0.00	T.	1.76	5.14			
Baker Lake	5.81	19.29	8.75	6.18	5.32	3.23	0.10	0.08	5.33	9.64	6.77	7.60	78.10
Battle Ground	3.49	6.87	2.14	3.52	3.57	1.40	0.00	0.00	1.76	2.17	3.63	[4.00]	32.55
Beaver (near)						2.82	0.28						
Bellingham	2.02	5.21	2.06	1.00	1.31	1.11	0.01	0.01	2.26	4.13	2.10	2.14	23.36
Bellingham (near)	2.48	5.18	3.07	2.07	2.53	1.59	0.06	0.01	2.81	5.35	2.46	1.48	29.09
Berne	3.83	9.27	5.03	1.40	2.09	0.85	0.07	0.01	0.57	4.07	6.62	2.77	36.58
Bickleton	0.61	1.36	0.55	0.35	0.22	0.44	0.02	0.07	0.25	0.10	1.03	[0.35]	5.35
Big Four	10.74	30.19	12.88	7.69	7.31	8.97	0.03	0.09	5.59	11.42	9.21	10.89	115.01
Blaine	2.64	7.18	2.81	3.20	2.81	2.35	0.06	0.22	2.93	7.03	2.37	2.39	35.99
Blewett Pass	0.89	5.32	2.13	0.90	0.80	0.76	T.	T.	0.48	1.03	2.08	0.80	15.19
Bremerton	3.10	5.31	2.91	3.04	2.60	1.55	T.	0.05	1.48	1.43	2.36	2.59	26.42
Brewster			0.14			1.39							
Brooklyn	4.86	12.87	5.84	4.80	3.49	1.72	0.07	0.05	2.34	4.37	6.04	5.06	51.51
Buckley (near)	2.43	6.97	3.11	2.91	3.55	2.73	0.00	0.05	0.81	4.30	2.97	2.41	32.24
Bumping Lake	3.91	6.79	2.85	1.47	2.15	0.73	T.	0.26	0.51	1.43	5.29	2.20	27.59
Canto	8.90	14.78	9.48	7.93	6.07	2.90	0.21	0.54	6.09	8.51	7.02	7.36	79.79
Carbon River Entrance				1.60	4.31	1.65	T.	0.08		8.58	3.68		
Castle Rock	4.11	9.06	4.32	3.30	3.68	1.38	T.	0.09	0.97	2.72	4.70	3.11	37.44
Cathlamet					4.39	2.41	0.00	0.09	2.36	4.39	7.02	5.95	
Cedar Lake	5.09	16.09	10.13	4.97	7.80	4.55	T.	0.06	1.81	10.47	5.62	5.63	72.22
Centralia	3.53	6.28	3.69	2.34	1.64	0.92	T.	0.35	1.97	3.38	2.77	2.09	28.96
Chelan Mine											2.80	1.11	
Chesaw	0.71	0.63	0.88	0.87	1.82	2.41	0.43	0.57	0.69	1.40	0.93	0.40	11.74
Chewelah	0.63	1.82	0.65	1.55	1.83	1.34	0.10	0.67	0.51	1.27	1.62	0.87	12.86
Chimacum	1.02	2.03	0.79	2.25	1.30	1.20	0.10	0.05	1.25	1.92	1.61	1.69	15.21
Chiwawa River	4.17	12.01	7.11	2.30	1.29	2.00	0.20	0.43	1.49	3.25	4.67	2.83	41.75
Clallam Bay	4.95	18.58	4.98	8.02	2.62	2.30	0.11	0.92	3.14	9.43	4.70	6.64	66.39
Clearbrook	3.20	7.79	3.16	2.74	3.45	2.19	0.31	0.00	3.93	6.16	3.24	2.12	38.29
Clearwater					4.23	2.67	0.18	1.08	8.73	12.15	8.55	9.24	
Colfax	1.03	2.01	1.50	0.93	2.07	0.87	0.06	0.10	1.48	1.13	2.44	0.92	14.54
Colville	0.71	1.15	0.76	1.46	1.83	1.60	0.05	0.26	0.53	0.71	1.88	0.60	11.54
Conconully (near)	0.28	1.48	0.39	0.47	0.70	2.15	0.34	0.30	0.99	0.57	0.66	0.16	8.49
Concrete	4.18	8.96	5.12	2.87	2.84	1.97	T.	T.	3.30	6.55	3.94	3.72	43.45
Cougar (near)	[9.90]	[16.20]	3.50	6.53	7.55	2.14	[0.00]	0.13	2.57	6.86	9.06	7.66	72.10
Coupeville	0.74	1.69	1.05	1.07	0.39	0.73	0.01	T.	1.74	3.04	1.23	1.30	12.99
Cushman Dam	4.54	14.90	5.21	9.87	4.08	1.38	0.09	0.02	3.34	5.21	6.10	7.01	61.75
Cusick	0.68	1.68	0.38	1.55	1.66								
Darrington	6.32	10.94	5.37	4.61	4.41	1.42	0.01	0.02	2.71	6.49	5.18	5.49	52.97
Davenport	0.78	1.61	0.75	0.70	0.80	1.35	0.11	0.27	0.88	0.61	1.93	0.53	10.32
Dayton (near)	1.36	3.45	2.15	0.79	1.88	0.71	0.26	0.11	1.14	0.93	1.84	1.11	15.73
Deer Park	0.87	2.45	1.06	1.09	1.56	0.99	0.09	0.51	1.11	1.25	2.06	1.01	14.05
Destruction Island	[5.60]	[17.80]	[5.18]	5.56	2.78	2.27	0.12	0.52	4.40	8.61	5.26	7.72	65.82
Diablo Dam	5.35	14.69	6.89	3.98	2.46	2.44	0.39	0.26	3.05	6.59	5.33	4.54	56.07
Dirtyface Mountain	1.17	8.61			0.55					2.53	3.53	1.63	
Domke Lake	2.24	4.42	2.30	0.71	0.30	1.93		0.65	0.56	1.17	1.81	1.18	
Dryden											0.76	0.34	
Ellensburg	0.37	1.36	0.60	0.38	0.29	0.29	0.00	0.00	0.21	0.17	0.21	0.15	4.06
Ephrata	0.47	1.20	0.30	0.08	0.29	1.06	0.01	0.32	0.64	0.22	0.87	0.28	5.74
Eureka	0.46	1.05	0.81	0.34	1.32	0.31							
Everett	2.35	2.90	2.14	1.87	2.70	2.10	0.21	0.03	1.68	3.06	1.99	2.83	23.86
Farmington	1.44	1.50	1.57	1.33	1.90	0.96	0.13	0.02	0.75	0.85	3.39	1.13	14.97
Forks	8.30	23.03	6.51	9.52	5.09	3.73	0.22	1.64	6.96	11.67	7.60	11.26	95.53
Goldendale	2.61	2.21	0.68	0.44	0.24	0.08	0.04	0.05	0.61	0.41	1.75	0.47	9.59
Grapeview	4.02	8.30	3.83	3.49	2.05	1.63	T.	0.18	1.61	2.22	2.77	3.01	33.11
Guler	4.25	10.03	2.94	1.29	1.58	0.23	0.00	T.	0.54	1.82	3.57	1.91	28.16
Gunn Ranch	0.35	2.37	0.55	0.40	0.50	2.82	0.02	0.28	1.39	0.31	0.87	0.42	10.28
Hanford	0.58	0.78	0.14	0.24	0.43	0.09	T.	0.06	0.40	0.04	0.32	0.30	3.38
Harrington	0.59	1.32	0.34	0.30	0.85	1.13	0.05	0.50	0.42	0.70	1.33	0.70	8.23

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Washington—Continued													
Hartline	0.34	0.92	0.21	0.10	1.13	0.86	0.02	0.15	1.75	0.22	0.82	0.41	6.93
Hassan	0.54	1.44	0.45	0.45	0.62	2.90	0.07	0.54	1.31	0.69	0.45	0.40	9.86
Hatton (near)	0.64	1.32	0.53	0.09	0.96	0.52	T.	T.	0.86	0.21	0.71	0.50	6.34
Headworks	2.30	6.48	3.91	3.53	2.71	1.37	0.00	0.22	0.72	3.57	3.79	2.35	30.95
Index (Sunset Mine)	7.05	13.05	9.46	4.37	5.62	4.38	0.02	0.03	4.69	11.77	5.65	6.87	72.96
Irene Mountain	0.65	0.43	0.58	0.78	2.24	3.13	0.65	0.80	0.60	1.55	0.88	0.44	12.73
Kahlotus (near)	0.86	1.06	0.61	0.16	1.50	0.59	T.	T.	1.25	0.24	1.40	0.79	8.46
Kalama (near)	5.13	10.62	4.60	4.35	4.26	1.62	0.03	0.18	2.58	3.51	5.11	4.41	46.40
Kelso	2.71	6.41	2.93	2.61	2.09	1.20	0.02	0.08	0.94	2.43	2.89	2.82	27.13
Kennewick (near)	1.23	1.05	0.31	0.22	0.74	0.04	0.03	0.01	0.82	0.07	0.69	0.53	5.74
Kent	2.17	4.41	2.38	2.15	2.50	1.06	0.00	0.03	0.86	3.03	2.50	2.10	23.19
Kettle Falls (near)	0.69	1.46	0.88	1.02	2.08	1.22	0.12	0.18	0.61	0.51	1.25	0.50	10.52
Keyport	2.29	3.46	2.90	2.40	2.79	1.08	0.00	0.02	3.04	2.15	1.67	1.76	23.56
Kiona (near)	0.73	1.12	0.28	0.18	0.72	0.14	0.04	0.05	0.19	0.34	1.32	0.48	5.59
La Center (near)	3.56	5.86	2.45	3.33	3.33	1.59	0.00	0.06	1.72	2.44	2.87	5.08	32.29
La Crosse (near)	0.73	1.72	1.42	0.54	1.36	0.72	0.12	0.03	1.41	0.78	2.87	1.00	12.70
Lake Clealum	1.79	6.67	4.92	1.09	1.64	0.99	0.00	0.15	0.36	3.96	3.35	1.41	26.33
Lake Kachess	3.99	9.25	6.19	1.57	2.67	1.54	0.00	0.33	0.42	4.82	3.40	2.03	36.21
Lake Keechelus	4.67	11.30	6.84	1.86	3.22	1.70	0.00	0.65	1.21	6.97	4.53	2.66	45.61
Lakeside	0.31	1.51	0.36	0.18	0.43	0.70	0.04	0.18	0.47	0.11	0.78	0.36	5.43
Lake Sutherland	2.53	12.44	3.61	4.21	2.77	1.22	T.	0.15	1.58	5.44	2.73	3.30	39.98
Lakin Ranch	1.82	2.59	2.31	0.89	1.70	0.93		0.00			2.16		
Landsburg	3.11	7.68	4.28	2.99	3.60	2.08	T.	0.05	1.48	4.67	3.18	3.04	36.16
Laurier	0.92	1.40	1.85	2.09	2.09	1.27	0.61	0.18	1.14	1.97	1.19	0.58	15.20
Leavenworth	1.21	3.36	1.23	0.69	0.37	0.20	0.00	0.04	0.26	1.12	1.32	0.59	10.39
Lemanasky Lake	0.49	1.48	0.78	0.54	0.89	2.82	0.19	0.72	1.35	0.85	0.98	0.38	11.47
Lester	2.85	9.17	5.75	3.41	3.33	2.15	0.00	0.29	0.64	4.50	4.78	3.81	40.68
Lind (near)	0.47	0.82	0.37	0.34	0.81	0.49	0.01	T.	0.67	0.35	0.55	0.56	5.44
Longmire	4.22	5.87	3.00	2.21	5.50	2.59	0.10	0.07	2.20	7.68	5.67	4.61	43.72
Longview	3.50	5.91	2.86	3.46	1.89	1.43	0.01	0.11	0.90	2.66	3.32	3.15	29.20
Loomis	0.42	0.82	0.34										
Lost Creek (near)	0.47	1.14	0.37	0.99	2.25	1.67	0.32	1.56	0.72	1.45	1.00	0.44	12.38
Lowden	0.95	1.07	0.70	0.47	1.23	0.63	T.	0.17	1.12	0.64	0.76	0.59	8.33
Mansfield	0.36	1.31	0.16	0.18	0.47	0.76	0.03	0.12	0.68	0.19	0.83	0.83	5.92
Mansfield (near)	0.36	1.22	0.23	0.16	0.41	0.58	0.07	0.24	0.75	0.23	0.79	0.46	5.50
Marcus			0.20	0.90	2.48	0.68	0.10	0.21	0.50	0.53	1.01		
Marietta	2.18	5.31	2.75	1.89	1.74	1.74	0.00	T.	2.40	5.14	1.83	1.75	26.73
Mayfield	[3.60]	8.29	4.84	4.85	4.15	1.95	0.01	0.28	0.97	5.22	5.39	3.99	43.54
Mill Creek	2.44	5.83	5.01	1.73	6.35	1.20	T.	0.23	1.82	3.30	2.58	2.11	32.60
Mineral				4.04	4.80								
Monroe	2.63	4.22	3.35	3.57	2.86	2.98	0.02	0.01	1.80	5.29	2.43	2.58	31.74
Mottinger	1.23	0.74	0.40	0.24	0.90	0.00	0.00	0.05	0.84	0.60	1.15	0.45	6.60
Mount Baker Lodge	5.99	17.23	9.15	10.28	9.28	6.59	0.37	0.56	3.82	9.40	7.76	7.18	87.61
Moxee (near)	0.63	1.12	0.23	0.10	0.37	0.30	0.02	T.	0.24	0.43	0.46	0.18	4.08
Muddy River	5.16	15.50	5.90	4.63									
Naches Heights	0.68	1.59	0.18	0.11	0.55	0.36	0.02	0.17	0.26	0.07	0.60	0.26	4.85
Nasselle	[7.35]	18.00	9.33	6.89	5.61	2.79	0.14	0.16	3.65	5.37	5.60	8.70	73.59
Neah Bay	6.54	20.33	6.12	8.36	3.46	3.76	0.31	1.05	4.45	13.83	5.04	8.34	81.59
Nespelem (near)	0.60	0.83	0.58	0.56	1.36	1.08	0.12	0.52	1.17	0.46	1.45	0.56	9.29
Newport	0.83	1.44	0.96	1.97	1.69	1.87	T.	1.25	0.75	1.60	1.77	1.15	15.28
Nooksack Hatchery	3.62	11.82	4.96	2.82	3.93	3.75	0.30	0.00	7.00	8.49	5.83	5.35	57.87
North Head	3.80	6.48	3.78	2.57	3.20	1.34	0.04	0.19	2.97	3.26	3.85	4.90	36.38
Northport	1.01	1.72	0.53	1.62	1.58	1.25	0.16	0.20	0.85	1.72	1.52	0.53	12.69
Oakville	4.04	8.91	4.00	3.00	2.71	0.90	0.05	T.	1.87	4.34	4.34	2.64	36.80
Odessa	0.67	0.98	0.26	0.06	0.73	0.93	T.	0.29	0.58	0.47	0.86	0.76	6.59
Ohanepecosh			6.65	2.35	3.49			0.16	1.23	5.75		3.02	
Okanogan	0.27	1.17	0.56	0.34	0.45	0.69	0.28	0.30	1.01	0.37	0.74	0.48	6.66
Olga	1.32	3.95	2.70	1.75	0.88	1.08	T.	T.	1.47	5.31	1.26	1.22	20.94
Olympia	4.53	7.98	3.75	3.45	2.59	0.77	T.	0.26	1.48	3.85	3.44	2.26	34.36
Omak	0.06	1.32	0.37	0.34	0.35	1.18	0.13	0.27	0.59	0.51	0.70	0.44	6.26
Oroville	0.32	0.88	0.95	0.51	0.68	2.23	0.11	0.22	0.99	0.44	0.78	0.11	8.22
Packwood [6]	3.58	8.43	4.97	2.36	[3.15]	3.60	0.00	0.03	1.18	3.16	4.40	2.94	37.80
Palmer (near)	5.35	11.81	9.25	6.02	8.50	4.81	0.07	0.29	2.72	8.34	4.81	6.37	68.34
Paradise Inn	6.24	14.22	12.71	4.79	8.54	2.58	0.05	0.00	3.53	8.57	6.35	4.14	71.72
Pearl	1.40	0.99	0.19	0.30	0.78	0.96	0.36	0.87	1.03	0.48	0.88	0.75	8.99
Peola	0.69	3.33	2.13	1.65	1.95	1.99	0.07	0.97	1.52	1.53	1.40	0.65	17.88
Pilchuck Creek					5.93	2.62	0.04						
Pomeroy	1.86	1.25	1.81	0.86	0.88	0.72	0.06	0.10	1.03	0.70	1.48	0.96	11.71
Port Angeles	1.89	4.25	1.96	0.81	0.60	0.62	0.02	0.49	0.83	2.99	1.62	0.99	17.07
Port Townsend	0.78	1.69	1.08	1.48	0.60	0.75	0.00	0.02	1.29	2.18	1.55	1.46	12.88
Prosser	0.92	1.11	0.18	0.25	0.43	T.	0.03	0.06	0.49	0.03	0.36	0.37	4.23
Prosser (near)	0.83	0.96	0.20	0.22	0.36	0.00	0.00	0.04					
Pullman	1.90	3.38	2.79	1.87	2.61	0.94	0.05	0.04	[1.35]	1.05	1.54	1.36	18.88
Puyallup (near)	2.15	5.46	2.97	2.22	3.02	1.78	0.00	0.14	1.03	2.43	3.26	2.17	26.63
Quilcene	1.55	4.04	1.62	1.39	3.21	1.07	0.00	0.17	0.95	1.10	2.30	2.68	20.08
Quinault	5.54	25.19	8.66	11.21	5.13	3.47	0.16	0.49	7.25	13.02	8.66	10.50	99.28
Quincy	0.36	1.19	0.17	0.15	0.22	0.83	0.10	0.10	0.52	0.10	[0.60]	[0.22]	4.56
Randle	4.30	11.23	4.65	2.97	3.57	1.94	T.	T.	1.47	5.54	5.52	2.97	44.16
Republic	0.86	1.15	0.74	1.20	2.76	1.65	0.74	0.42	0.61	1.06	1.06	0.63	12.88
Rimrock	1.58	4.92	2.83	0.73	0.70	0.18	0.03	0.61	0.44	0.89	2.72	0.56	16.19
Ritzville	0.77	1.52	0.38	0.37	0.94	0.55	T.	T.	1.18	0.47	1.05	0.82	8.05
Rock Island (near)	0.19	1.30	0.23	0.05	0.43	0.34	0.04	0.06	0.30	0.13	0.51	0.21	3.79
Rosalia	0.53	2.03	1.25	1.50	2.67	0.88	0.04	0.06	1.19	1.13	2.11	0.89	14.28
Ruff	0.73	1.09	0.37	0.14	0.67	0.52	0.09	0.13	1.08	0.93	0.91	0.74	7.40
St. Helens	3.46	8.74	4.30	3.17	5.85	1.34	0.00	0.01	0.43	4.71	5.37	3.79	41.17
Satsop	4.45	11.10	4.73	4.61	3.19	2.07	0.07	0.05	[3.09]	3.68	4.28	3.88	45.20
Scenic	4.46	13.15	7.86	3.58	4.56	2.61	0.01	T.	2.66	7.61	5.87	1.61	53.98
Seattle (Weather Bureau)	2.62	3.82	1.86	1.82	2.41	1.71	T.	0.08	1.14	2.72	1.75	1.85	21.78
Seattle (Boeing Field)	2.40	4.20	2.12	1.66	2.26	1.08	T.	0.05	0.81	2.06	2.03	1.96	20.63
Seattle (Naval Air Station)	2.11	3.13	1.98	1.95	2.86	1.78	T.	T.	1.22	3.62	1.62	2.20	22.47
Seattle (University of Washington)	2.16	3.54	1.41	2.02	2.52	2.91	T.	0.01	1.12	3.55	1.39	1.58	22.21
Sedro Woolley	2.92	6.07	3.94	1.64	1.99	1.61	0.00	T.	4.65	6.34	[2.67]	3.87	35.70
Sequim	1.36	1.80	1.15	1.00	0.55	0.81	T.	0.02	1.12	1.92	1.41	0.72	11.66
Silver Springs Lodge												2.51	

[6] Name changed from Lewis.

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Washington—Continued													
Sixprong (near)	1.59	1.19	0.20	0.27	0.21	0.01	[0.00]	[0.05]	0.10	0.05	0.55	0.17	4.39
Skagit Powerplant	5.04	14.55	7.39	4.48	2.65	2.82	0.09	T.	2.71	7.65	5.43	5.05	57.86
Snoqualmie Falls	2.73	7.56	4.34	3.98	4.15	2.14	T.	T.	1.28	6.27	3.36	2.81	38.62
Snoqualmie Pass	[6.20]	[16.75]	[9.50]	3.12	4.37	2.08	T.	T.	2.69	10.96	7.66	6.11	69.44
South Bend (near)	5.67	10.73	6.69	5.25	3.77	1.67	0.21	0.68	2.78	4.73	5.28	4.90	52.36
Spokane	0.85	1.52	0.71	0.88	1.63	1.52	T.	0.57	0.75	1.02	1.53	0.86	11.84
Sprague	0.85	2.02	0.66	0.69	1.56	0.68	0.10	0.06	0.71	0.61	1.85	0.92	10.71
Spruce	5.26	24.17	7.46	11.58	6.26	4.42	0.17	0.84	8.30	13.62	8.16	10.74	100.98
Startup (near)	4.53	6.64	5.90	3.55	5.54	4.60	0.02	0.13	4.04	7.23	3.41	4.23	49.82
Stehekin (near)	2.73	5.35	3.47	0.78	0.32	1.43	0.05	0.11	1.07	1.74	2.12	1.19	20.36
Stockdill's Ranch	0.58	2.56	0.70	0.70	0.68	2.96	0.03	0.35	0.90	0.54	1.03	0.32	11.35
Sullivan Lake (near)	1.18	3.38	0.71	2.19	2.87	2.48	0.26	0.46	0.67	2.18	2.18	0.91	19.47
Sunnyside	0.66	0.89	0.12	0.40	0.42	0.44	T.	0.06	0.75	0.03	0.07	0.25	4.09
Tacoma	2.83	3.96	2.47	2.16	2.22	1.09	0.01	0.10	0.87	2.01	2.27	1.97	21.96
Tatoosh Island	5.52	15.80	4.99	7.13	2.78	3.54	0.48	0.90	3.81	14.54	3.97	5.84	69.30
Tieton Canyon	[1.15]	3.43	1.49	0.72	0.33	0.51	0.02	0.25	0.42	0.45	1.67	[0.40]	10.84
Timentwa	0.66	1.38	0.36	0.47	0.66	1.35	[0.15]	0.51	1.10	0.64	0.91	0.54	8.73
Toppenish	0.79	1.07	0.06	0.19	0.06	[0.18]	[T.]	T.	0.12	0.08	0.15	0.24	2.94
Touchet Ridge	2.71	6.54	5.67	1.97	4.76	1.21	0.57	0.21	1.67	3.86	4.21	2.33	35.71
Trinidad (near)	0.28	1.27	0.10	T.	0.26	0.36	0.00	0.00	0.45	0.22	0.47	0.15	3.56
Vancouver	3.09	4.93	1.38	2.90	2.14	0.97	T.	0.01	1.52	1.79	2.64	3.07	24.44
Wahluke	0.68	0.81	0.05	0.08	0.28	0.11	0.00	0.01	0.05	0.03	0.30	0.21	2.61
Walla Walla (a)	1.13	1.87	1.24	0.68	2.85	0.58	0.02	0.14	1.33	1.00	1.64	0.74	13.22
Walla Walla (b)			1.38	0.58	2.91	0.65	0.08	0.06	1.20	1.15			
Wapato	0.77	0.95	0.06	0.04	0.15	0.18	T.	0.01	0.08	0.14	0.14	0.20	2.72
Waterville	0.39	1.45	0.33	0.17	0.44	1.10	0.03	0.61	0.46	0.24	0.60	0.48	6.30
Wellpinit	1.10	1.52	0.71	0.84	1.05	1.30	0.08	0.34	0.50	0.78	2.06	0.90	11.18
Wenatchee	0.35	1.32	0.36	0.16	0.63	0.32	T.	0.41	0.26	0.19	0.65	0.15	4.80
Wenatchee (near)	0.86	2.21	0.35	0.41	0.28	0.96	T.	0.04	0.19	0.22	0.97	0.33	6.82
White River Entrance		5.22		1.47	2.98	0.87	0.02	0.00	1.00	3.68			
White Salmon (near)	3.92	4.71	1.42	0.42	1.13	0.16	T.	0.06	0.55	1.65	3.10	1.45	18.57
White Swan	1.24	1.56	0.06	T.	0.12	0.05	T.	T.	0.06	0.13	[0.23]	[0.30]	3.75
Wilbur	0.53	1.40	0.32	0.14	0.61	0.91	0.00	0.13	0.59	0.42	1.43	0.63	7.11
Wilson Creek	0.41	0.92	0.27	0.24	0.88	0.75	T.	0.13	0.79	0.22	0.76	0.34	5.71
Wind River	4.67	16.98	6.40	5.04	5.10	0.85	T.	0.07	0.96	4.22	7.57	5.12	56.98
Winthrop	0.41	1.80	0.41	0.46	0.60	2.67	0.08	0.23	1.07	0.20	0.81	0.36	9.10
Wishkah Headworks	5.28	19.13	6.69	10.51	5.73	3.91	0.02	0.41	6.54	9.06	7.66	9.20	84.14
Wynoochee Oxbow	7.54	27.76	10.02	14.45	5.09	4.03	0.10	0.32	6.91	10.88	10.97	11.17	109.24
Yacolt	6.22	10.14	4.54	5.04	4.68	1.34	0.00	0.05	2.15	4.10	5.80	4.89	48.95
Yakima	0.52	1.19	0.20	0.08	0.41	0.44	0.02	T.	0.15	0.24	0.39	0.26	3.90
West Virginia													
Aberdeen	1.72	2.63	3.46	1.71	2.67	4.07	3.03	1.46	1.95	0.76	1.29	2.80	27.55
Alma (near)	1.92	3.10	4.33	2.18	2.19	2.97	1.48	2.62	1.12	0.56	0.76	2.38	25.61
Alpena	1.79	2.48	3.87	3.31	2.11	3.48	2.82	2.00	1.11	0.70	2.24	4.09	30.00
Arbovale	1.34	1.98	2.76	2.00	1.09	2.72	1.48	1.95	1.36	0.50	2.05	3.35	22.58
Bancroft	2.63	2.27	3.50	1.07	1.81	1.37	2.34	3.88	2.46	0.83	0.94	3.07	26.17
Bayard	3.49	3.02	3.25	3.14	3.09	5.07	2.70	1.89	2.21	0.70	1.03	3.91	33.50
Beckley										0.72	1.64	1.87	
Benson	1.71	3.15	3.86	1.31	2.14	2.37	1.00	1.66	1.31	0.65	1.21	3.14	23.51
Bens Run	2.45	3.24	4.03	1.66	1.89	2.09	1.82	2.14	2.36	0.74	1.09	2.12	25.63
Bluefield	2.04	1.87	1.52	1.50	2.48	1.30	4.65	3.24	1.11	1.89	2.71	2.69	27.00
Brandywine	0.70	0.95	1.30	1.20	0.65	2.95	0.20	1.50	1.55	1.15	1.10	2.60	15.95
Brownsville	1.68	3.16	3.07	1.81	2.26	3.25	1.37	2.06	1.67	1.06	1.48	2.78	25.65
Bruceton Mills	2.12	3.71	3.46	2.11	2.75	6.42	1.50					3.06	
Buckhannon	2.43	3.09	3.60	1.80	2.82	4.08	3.41	1.55	1.72	1.38	1.74	3.72	31.34
Cairo								1.96	0.74	0.52	1.00	2.21	
Camden on Gauley	2.29	1.94	3.24	3.75	4.33	2.97	1.27	3.04	1.94	1.40	1.57	2.50	30.24
Charleston	1.68	2.80	3.54	2.08	2.04	1.58	3.08	3.71	1.33	0.82	1.37	2.10	26.13
Clarksburg	1.54	3.39	3.17	1.20	1.69	2.90	0.84	1.48	1.40	0.53	1.03	2.48	21.65
Clay	1.56	2.05	3.68	1.35	2.62	1.94	2.06	2.71	2.06	1.00	2.05	3.22	26.30
Cortland		2.84	2.39			2.48	1.61	1.81	0.62	1.19			
Crawford	2.15	2.35	3.07	2.24	2.45	3.59	2.19	2.13	1.66	0.87	1.26	3.07	27.03
Creston	2.53	3.32	4.21	1.74	1.97	1.45	1.50	2.75	1.03	0.52	1.09	2.16	24.27
Dam No. 6, Great Kanawha River	1.19	2.60	2.71	1.53	1.47	1.81	2.27	4.31	1.52	0.58	1.24	[2.10]	22.33
Dam No. 10, Monongahela River	1.72	2.84	5.03	1.88	3.16	4.48	2.50	1.92	1.53	0.80	1.03	2.74	29.63
Dam No. 12, Ohio River	1.87	2.80	4.04	1.34	1.89	2.28	2.30	0.97	3.25	0.87	0.54	2.23	24.38
Dam No. 13, Ohio River	1.79	2.39	3.57	1.55	1.59	2.05	2.46	1.43	2.52	0.80	0.46	1.95	22.56
Dam No. 15, Monongahela River	1.85	3.21	3.55	1.96	2.21	4.29	1.44	1.74	1.61	0.73	0.93	2.85	26.37
Dam No. 19, Ohio River	1.82	2.73	3.73	1.56	1.67	1.37	2.05	2.31	1.39	1.21	0.92	2.72	23.48
Dam No. 20, Ohio River	1.89	2.97	3.50	1.21	1.48	1.60	2.04	2.44	1.19	0.85	1.06	2.64	22.87
Dam No. 25, Ohio River	1.94	2.50	2.72	1.61	2.02	2.35	2.54	2.80	1.29	1.31	1.27	2.56	24.91
Dam No. 26, Ohio River	2.07	2.87	2.34	1.40	1.28	0.95	1.98	3.47	1.62	1.01	1.03	2.44	22.46
Davis	1.60	2.65	3.72	2.92	2.21	5.31	2.63	2.03	1.45	1.11	1.69	5.04	32.36
Elizabeth	2.55	2.82	3.57	1.46	1.24	1.20	1.56	2.59	0.48	0.56	0.99	2.16	21.13
Elkins	1.55	2.78	3.47	3.16	1.98	3.80	3.01	1.28	1.44	0.82	1.46	3.63	28.38
Fairmont	2.11	3.13	3.17	0.79	2.46	4.40	1.50	1.92	1.50	0.71	1.01	3.57	26.27
Gary	1.56	1.89	2.10	2.09	3.11	2.26	2.09	5.07	1.23	1.51	2.46	2.11	27.48
Glenville	2.20	3.36	3.98	2.06	3.58	2.48	0.99	2.72	0.92	0.79	1.60	3.13	27.81
Grafton	1.86	2.85										3.07	
Harpers Ferry	1.74	1.26	3.26	2.74	1.47	3.35	0.18	0.88	0.70	0.26	0.74	3.51	20.60
Hinton	1.41	1.82	2.01	1.31	1.52	1.13	1.59	1.66	0.55	0.69	1.85	2.65	18.19
Horner	1.99	2.43	3.20	0.80	1.99	3.01	2.20	2.14	2.42	1.35	1.10	1.89	24.52
Horton	1.20	2.38	4.26	2.81	1.95	3.71	4.46	2.86	0.81	0.46	3.08	5.45	33.33
Huntington	2.04	3.00	2.59	1.01	1.85	1.96	1.80	3.03	1.78	0.87	1.23	2.31	21.77
Janelew	1.40	1.61	2.67	1.43	2.29	3.50	2.35	1.75	1.15	0.80	1.20	2.73	22.68
Kanawha Falls	1.25	2.72	2.27	2.22	2.54	1.44	1.65	1.81	2.20	1.05	2.14	1.97	23.35
Kayford	2.08	2.32	2.91	1.95	3.45	1.82	7.02	4.12	1.15	1.04	2.45	3.25	28.56
Kearneysville						3.80	0.30	1.61	1.88	0.41	0.41	1.08	
Kermit	2.18	2.74	2.19	0.39	2.24	1.34	0.79	2.20	1.33	0.69	1.62	2.09	20.60
Kingston											1.50	2.36	
Lewisburg	1.63	2.25	1.04	1.45	1.94	1.17	3.61	1.09	0.86	0.95	1.61	2.18	18.68
Logan	1.49	3.04	2.58	1.11	2.56	1.69	1.23	3.01	1.00	1.84	1.87	1.99	23.41
Lost Creek	1.59	3.08	3.61	2.20	1.77	3.22	1.50	1.24	1.39	0.85	1.21	3.26	25.02
Mannington	2.14	3.15	4.64	1.99	2.04	4.31	2.71	1.86	1.19	0.79	1.30	2.77	28.80

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
***West Virginia*—Continued**													
Marlinton	2.24	2.54	3.45	4.16	2.80	2.44	0.86	2.67	1.34	1.30	1.67	3.25	28.72
Martinsburg	1.44	2.23	2.76	2.47	0.92	3.13	1.28	1.08	1.79	0.47	0.75	3.11	21.43
Moorefield	1.22	1.06	1.42	1.49	1.00	4.87	0.56	0.88	0.54	0.08	0.67	3.05	16.84
Morgantown	1.29	1.81	2.89	1.42	2.85	5.35	1.96	1.88	1.37	1.62	0.81	1.90	25.15
New Cumberland	2.95	2.78	3.05	1.73	2.41	4.98	1.81	1.87	1.57	1.33	0.66	2.10	27.24
New Martinsville	2.02	3.65	4.15	1.65	2.50	2.26	1.72	0.95	1.37	0.90	0.88	2.00	24.05
Parkersburg	2.16	2.30	3.55	1.45	1.29	1.17	1.24	1.63	1.01	0.68	1.11	2.11	19.70
Parsons	2.70	3.30	3.67	2.36	[2.90]	3.88	2.98	1.51	1.27	0.88	1.15	3.62	30.22
Parsons (No. 2)	1.22	2.37	3.16	2.73	2.93	3.72	3.21	1.83	1.58	0.96	1.25	3.81	28.77
Philippi	2.01	3.35	3.90	2.77	3.62	3.65	3.96	2.06	1.77	0.87	0.91	3.10	31.97
Pickens	3.60	5.21	6.03	3.43	3.29	3.01	3.00	2.80	1.94	1.41	4.45	6.59	44.76
Piedmont	1.73	1.05	1.32	2.54	1.97	2.67	1.36	2.00	1.05	0.18	1.07	2.77	19.71
Point Pleasant	2.16	3.23	3.35	1.45	2.75	1.71	1.89	2.33	0.68	1.16	1.64	2.90	25.25
Rainelle										1.17	2.89	3.97	
Ravenswood	2.18	2.75	3.20	1.47	1.36	1.65	1.41	2.83	0.86	1.39	1.28	2.49	22.87
Richwood								2.39	1.55	1.06	3.31	2.59	
Roanoke	1.40	2.62	3.24	1.85	2.18	3.82	1.76	2.14	0.95	0.96	1.41	2.56	24.89
Robertsburg	2.25	2.68	2.62	1.27	0.87	1.15	1.22	2.11	1.36	0.87	1.18	2.41	19.99
Romney	0.73	1.26	1.89	1.82	0.93	3.19	0.45	1.54	1.73	[0.10]	0.66	3.26	17.56
Rowlesburg	2.22	3.97	2.96	2.92	4.99	4.83	1.94	2.82	2.12	1.02	1.54	3.81	35.14
Ryan	2.12	2.88	4.23	1.48	1.53	2.01	2.03	2.69	1.10	0.86	1.68	2.71	25.32
St. Marys	2.33	3.02	4.33	1.66	1.72	1.25	0.79	2.04	1.98	0.78	0.86	2.61	23.37
Sharples	1.06	1.90	2.85	1.31	2.37	2.80	2.11	3.63	1.35	1.50	1.85	1.71	24.44
Spencer	2.00	3.19	4.13	1.39	2.36	1.68	1.12	3.93	1.17	0.75	1.55	2.65	25.92
Stony River Dam	1.04	2.39	4.05	4.08	1.87	3.52	2.44	1.40	0.92	0.84	1.68	3.04	27.28
Sutton	3.17	3.99	3.67	2.65	4.35	2.75	1.80	4.00	2.05	1.05	2.36	3.93	35.77
Terra Alta	1.78	2.67	2.20	3.17	3.35	5.30	2.05	2.86	1.97	1.04	1.79	3.74	31.92
Thomas	1.61	2.79	3.05	3.11	1.98	4.42	2.70	1.87	1.77	0.96	1.87	4.02	30.15
Union	2.39	1.84	1.99	1.33	1.13	1.06	0.91	1.93	0.88	1.10	2.09	2.18	18.83
Upper Tract	0.58	1.08	0.20	0.95	0.70	1.90	0.66	0.70	1.10	[0.12]	[0.75]	0.76	9.50
Valley Chapel	1.51	2.89	3.50	1.35	1.71	2.57	1.69	1.92	1.23	0.69	1.07	3.14	23.27
Vandalia	1.96	0.96	1.48	[2.40]	1.61	2.97	2.21	2.19	0.41	0.85	1.15	2.08	20.27
Wardensville	0.84	1.28	1.10	[1.40]	0.64	2.50	0.06	0.76	1.64	0.39	1.17	3.05	14.83
Wayne	1.89	2.97	3.22	1.30	2.18	1.04	1.42	3.61	1.54	1.58	1.63	2.41	24.79
Wellsburg	2.69	1.77	2.58	2.60	2.40	3.56	1.46	1.86	2.18	1.20	0.59	2.03	24.92
West Milford	1.68	3.19	3.10	2.17	2.55	3.00	1.49	1.32	2.00	0.55	1.34	2.22	24.61
Weston	2.13	3.19	3.77	2.47	1.67	3.12	1.09	2.12	1.11	0.81	1.35	3.52	26.35
Wheeling	2.00	2.64	3.80	1.47	1.99	2.22	1.43	0.88	3.81	0.99	0.65	2.20	24.08
White Sulphur Springs	1.37	1.55	1.20	1.70	2.25	0.90	1.30	1.20	0.45	0.80	1.71	1.45	15.88
Williamson	1.80	4.06	4.06	1.29	4.13	2.64	2.17	4.24	1.90	0.93	2.40	2.05	31.67
Woodlands	2.09	2.59	4.39	1.43	2.14	3.26	1.94	1.97	1.89	1.04	0.93	2.09	25.76
Wisconsin													
Amery	0.56	1.69	0.56	1.20	3.21	3.84	2.94	0.77	4.65	3.11	1.94	0.19	24.66
Antigo	0.73	1.43	0.92	2.19	2.85	7.13	2.60	0.95	3.05	3.67	1.41	0.16	27.09
Appleton	1.76	1.12	2.37	1.10	3.52	3.59	2.60	1.38	1.72	2.03	0.72	0.36	22.27
Ashland	1.80	2.05	0.80	0.79	3.43	3.22	2.60	0.16	5.66	1.62	1.52	0.25	23.90
Beloit	2.16	0.95	1.41	4.00	1.90	5.93	1.73	2.11	2.50	3.18	1.17	0.44	27.48
Berlin	1.20	1.30	2.03	2.45	3.13	5.70	3.46	0.69	2.05	2.29	0.79	0.35	25.44
Big St. Germain Dam	0.96	1.11	0.60	1.38	4.70	7.13	2.25	0.33	3.54	2.29	0.87	0.30	25.46
Blair	2.00	1.75	0.50	0.86	3.85	8.47	1.53	0.37	3.59	1.87	1.54	0.50	26.83
Breakwater	0.98	1.46	0.59	1.71	3.11	4.47	2.01	1.17	2.98	1.69	1.52	0.11	21.80
Brillion	1.47	1.94	1.57	0.87	2.33	3.06	2.49	1.26	1.32	1.89	0.33	0.59	19.12
Brodhead	1.05	1.18	1.06	4.17	3.12	6.10	2.03	1.26	2.19	2.82	1.37	0.74	27.09
Brule Island	1.10	1.88	0.46	2.23	3.57	5.41	1.33	1.23	2.02	1.72	0.92	0.35	22.22
Burnett	1.11	2.10	0.85	2.31	4.75	3.50	2.59	1.45	1.84	1.21	0.53	0.50	22.74
Chippewa Reservoir	1.00	0.65	0.35	1.30	3.00	4.45	3.00	1.05	4.90	2.10	1.15	0.10	23.05
Coddington	0.75	0.92	1.21	1.58	3.60	5.46	3.82	1.29	1.31	2.90	0.82	0.34	24.00
Cornucopia	0.98	1.75	0.38	1.23	3.63	4.06	5.06	0.41	6.81	2.01	1.69	0.75	28.76
Cuba	1.11	0.90	1.00	4.64	3.81	6.62	1.65	0.41	2.66	2.46	0.79	0.88	26.93
Danbury	1.57	2.25	0.23	1.23	3.46	3.46	1.60	0.95	6.13	1.90	1.96	0.50	25.24
Darlington	1.12	1.05	1.00	4.84	4.87	5.72	1.50	0.88	2.31	2.57	1.01	0.85	27.72
Deerskin Dam	0.82	1.46	0.78	1.19	4.86	6.23	2.58	1.27	4.04	2.16	1.81	0.67	27.87
Downing	2.10	1.34	0.48	0.66	3.16	5.54	1.25	0.10	5.00	1.15	0.70	0.30	21.78
Eau Claire	1.45	2.71	1.24	3.39	3.48	5.46	2.04	1.51	4.96	2.55	1.58	[0.36]	30.73
Flambeau Reservoir	0.80	1.05	0.82	2.24	3.46	5.82	3.28	0.47	3.93	2.17	1.65	0.60	26.29
Florence	0.78	1.52	0.50	2.47	4.00	5.41	1.18	2.07	2.35	1.97	[1.05]	0.10	23.40
Fond du Lac	2.30	2.31	3.01	2.86	2.62	3.75	3.59	0.90	1.19	1.12	0.66	0.79	25.10
Friendship	1.71	1.67	2.27	2.41	3.78	2.56	2.63	0.71	1.67	2.24	0.45	0.45	22.55
Grand River Locks	0.66	0.52	2.40	3.10	2.50	5.61	3.10	1.27	3.48	2.38	0.51	0.32	25.85
Grantsburg	0.94	1.36	0.20	1.09	2.86	5.35	3.26	0.28	3.65	2.17	2.23	0.30	23.69
Green Bay	0.90	1.67	0.72	1.01	1.94	3.02	2.15	0.59	1.64	1.70	0.64	0.33	16.31
Hancock	0.67	1.46	2.31	2.52	3.14	4.64	4.33	0.89	1.01	2.32	0.82	0.16	24.27
Hatfield	0.77	0.87	0.69	0.83	2.79	7.67	1.99	0.72	1.95	2.34	1.38	0.11	22.11
High Falls	0.52	2.30	1.05	0.95	2.68	3.56	1.69	0.99	1.16	1.28	1.08	0.15	17.41
Hillsboro	1.65	0.50	1.22	2.07	3.49	7.03	2.38	0.97	3.51	2.18	1.35	0.18	26.53
Holcombe	0.55	2.60	2.27	2.40	4.10	9.00	2.70	0.80	4.30	2.60	1.11	0.27	32.70
Iron River	0.80	1.48	0.40	1.15	3.17	3.96	2.44	0.14	7.19	1.88	1.48	0.40	24.49
Kewaunee	0.61	1.31	0.76	0.88	2.78	2.79	2.71	1.14	1.51	1.74	[0.48]	[0.42]	17.13
Kilbourn	1.32	1.26	1.84	3.71	3.95	6.30	3.52	0.76	2.60	1.97	0.61	0.34	28.18
La Crosse	1.63	0.78	1.25	1.73	2.55	6.89	3.05	0.90	3.51	1.66	2.00	0.26	26.21
Ladysmith	0.72	1.62	0.75	1.87	2.64	6.24	2.26	0.71	4.47	2.87	[1.28]	0.22	25.65
Lake Mills	1.17	1.25	1.55	3.38	5.17	4.16	2.67	3.18	3.70	1.89	0.95	0.63	29.70
Lancaster	1.31	0.81	0.86	5.20	5.31	6.14	1.60	1.68	2.82	3.03	0.71	0.51	29.98
Laona	0.50	1.65	0.60	1.78	3.55	4.75	1.20	0.92	2.07	2.47	1.38	0.11	20.98
Long Lake	0.88	1.78	0.63	2.40	4.83	5.27	2.65	1.21	5.02	2.27	1.90	0.30	29.14
Madison	1.86	0.78	1.29	2.95	4.23	6.60	2.84	1.58	4.79	1.63	0.65	0.68	29.88
Manitowoc	1.78	2.16	1.94	2.08	2.97	2.52	2.59	0.87	1.28	1.96	0.47	0.95	21.67
Marinette	0.77	1.95	1.67	1.07	3.09	4.43	1.94	1.75	1.81	2.30	0.97	0.31	22.06
Marshfield	0.53	1.55	1.17	0.69	3.03	10.68	1.97	2.33	1.59	2.32	2.27	0.39	28.52
Mather	1.60	0.87	2.39	1.13	4.06	5.43	5.00	0.71	1.79	1.98	1.15	0.29	26.40
Mauston	1.12	[0.60]	2.33	1.87	4.19	5.51	3.90	0.85	1.93	1.69	0.36	[0.20]	24.55
Meadow Valley	1.02	0.54	1.60	0.74	3.47	5.69	3.36	0.36	1.72	2.24	1.35	0.33	22.42
Medford	0.96	1.70	1.78	0.98	4.30	7.34	2.35	0.72	3.89	3.55	1.65	0.37	29.59
Mellen	1.02	0.79	0.93	1.03	3.25	5.28	2.48	0.45	4.87	1.15	0.86	0.64	22.75
Menasha	1.73	1.17	1.78	1.81	2.60	2.76	2.24	1.46	1.74	2.18	0.61	0.43	20.51

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Wisconsin—Continued													
Merrill	0.66	2.00	1.83	1.47	2.95	6.87	2.77	1.02	3.49	3.60	2.14	0.34	29.14
Milwaukee	2.13	1.28	1.55	2.91	2.30	1.60	1.33	1.46	1.97	2.01	0.89	0.79	20.22
Milwaukee County Airport	2.06	1.37	1.47	3.82	2.53	1.49	1.88	1.40	1.99	1.64	0.90	0.74	21.29
Minocqua	0.57	0.84	0.39	1.75	4.42	9.67	3.39	1.44	2.97	2.24	1.94	0.27	29.89
Mondovi	1.10	0.59	0.27	2.68	5.05	4.82	2.34	1.62	3.70	1.62	1.05	0.30	25.14
Neillsville	1.13	1.71	1.04	0.64	3.42	11.39	1.64	1.73	2.02	3.25	2.11	0.20	30.28
New London	1.26	1.29	2.39	0.86	3.17	5.42	3.52	1.21	1.37	2.80	1.19	0.39	24.87
Oconto	1.03	1.25	1.07	0.81	3.13	3.07	1.86	0.93	1.94	2.28	1.00	0.35	18.72
Oshkosh	1.14	1.64	1.56	2.21	2.33	3.44	4.16	0.64	1.40	2.46	0.64	0.41	22.03
Park Falls	0.30	0.80	1.13	2.21	5.51	6.02	3.50	1.11	4.79	1.76	1.90	0.23	29.26
Pine River	1.40	1.62	2.84	1.86	3.54	4.99	4.18	1.55	1.60	3.02	1.15	0.57	28.32
Plum Island	0.37	1.20	1.08	2.50	2.41	2.18	1.74	0.49	1.45	0.99	0.27	0.70	15.38
Plymouth	1.15	[2.42]	[2.08]	2.71	3.72	[2.97]	2.20	0.95	1.67	1.67	0.28	0.51	22.31
Portage	1.33	2.18	1.33	3.07	4.08	5.04	2.67	1.33	2.08	2.42	0.85	0.53	26.91
Port Washington						2.07	2.63	1.52	1.24	2.14	0.38	0.68	
Prairie du Chien	1.23	0.20	1.02	3.58	3.73	5.68	2.74	1.46	3.68	2.58	2.34	0.46	28.70
Prairie du Sac	0.70	0.87	1.07	4.03	2.61	4.79	1.93	1.00	2.14	2.11	0.62	0.51	22.38
Prentice	0.94	1.39	0.99	1.80	3.33	6.91	3.52	0.64	3.44	3.43	1.58	0.46	28.53
Racine	2.44	0.99	2.19	4.18	2.35	2.33	3.60	1.10	3.52	2.16	1.06	1.03	26.95
Rest Lake	1.50	[1.77]	0.40	1.55	3.86	[6.22]	2.45	0.35	2.87	3.51	2.00	[0.43]	26.91
Rhinelander	0.56	0.97	0.57	1.47	3.12	5.45	2.03	3.10	4.01	1.93	1.63	0.14	24.98
Richland Center	1.10	0.80	0.94	2.36	4.60	7.29	2.52	0.54	3.96	2.62	0.89	0.42	28.04
River Falls	1.21	0.98	1.52	1.11	3.84	5.50	1.79	0.97	3.77	2.34	1.67	0.32	25.02
Shawano	1.54	1.31	1.47	1.66	3.79	3.71	3.56	0.88	1.97	2.70	1.25	0.28	24.12
Sheboygan	2.46	2.25	2.89	2.12	3.64	2.42	1.68	0.49	1.55	2.03	0.36	0.93	22.82
Solon Springs	1.05	1.05	0.35	1.55	5.50	6.60	2.70	0.40	6.50	2.10	2.00	0.20	30.00
Spooner	0.62	1.17	0.40	0.80	3.50	3.18	2.10	0.46	3.95	2.14	1.43	0.18	19.93
Stanley	0.85	2.50	1.89	1.02	2.86	7.41	2.39	1.59	4.93	3.91	1.18	0.45	30.98
Stevens Point	1.40	0.75	2.46	1.51	3.10	7.09	2.48	2.25	2.77	3.10	0.88	0.29	28.08
Sturgeon Bay	0.46	3.50	1.39	0.77	4.20	2.56	1.25	0.58	1.47	2.05	0.23	0.44	18.90
Superior	0.49	1.52	0.33	1.34	4.50	3.72	1.43	0.20	4.87	1.49	2.77	0.19	22.85
Tomahawk			0.94	1.42	2.05	6.33	1.62	0.72	3.33	2.31	1.97		
Viroqua	1.08	0.45	1.15	1.76	3.37	7.48	[3.18]	0.84	2.37	2.04	2.21	0.22	26.15
Watertown	1.52	1.82	1.54	2.22	4.92	4.13	2.56	0.98	2.70	1.85	0.45	0.66	25.35
Waukesha	1.35	0.58	2.67	2.71	2.59	1.73	2.28	1.01	2.43	2.38	0.65	0.75	21.13
Waupaca	0.58	1.21	1.83	1.32	4.49	5.71	2.08	1.35	1.36	3.03	0.73	0.40	24.09
Wausau	0.77	2.08	0.90	1.55	2.24	9.61	1.96	1.56	2.10	2.89	1.21	0.28	27.15
West Bend	1.50	2.43	2.03	2.87	4.42	3.77	3.06	1.38	4.52	2.51	0.64	0.75	29.88
Weyerhauser	0.78	1.65	0.77	1.53	3.23	8.39	5.15	0.92	4.72	3.62	2.49	0.17	33.42
Williams Bay	1.86	1.02	1.46	3.58	1.78	4.06	1.21	1.39	3.68	3.48	1.30	0.42	25.24
Wisconsin Rapids	1.32	1.00	1.39	1.23	3.29	6.79	3.55	1.02	1.88	2.93	0.74	0.31	25.45
Wyoming													
Afton (near)	1.69	1.12	1.83	2.59	2.89	1.20	1.61	3.78	1.30	3.37	0.62	0.57	22.57
Alta	1.22	0.96	0.65	1.00	2.91	1.45	1.24	2.68	1.19	2.70	0.59	0.91	17.50
Archer	0.24	0.19	0.18	1.20	3.27	0.60	1.05	6.20	1.35	2.32	0.40	0.01	17.01
Barnum	0.36	0.34	0.80	1.02	2.03	0.32	1.58	3.27	0.12	1.66	0.27	0.34	12.11
Basin	0.85	0.45	0.85	0.10	1.50	0.74	0.33	2.45	T.	0.32	T.	0.13	7.72
Bedford	2.20	1.65	2.17	1.71	2.93	0.78	1.31	3.92	1.02	3.41	1.05	0.88	23.03
Border	0.95	0.99	0.69	0.44	2.68	0.68	0.40	1.99	1.08	1.44	1.15	0.13	12.62
Buffalo	0.83	0.66	0.30	1.63	0.61	1.26	0.60	1.19	0.19	0.14	T.	0.35	7.76
Casper	1.16	1.20	1.01	0.77	2.63	0.85	1.82	2.37	0.27	1.30	0.88	0.75	15.01
Centennial	2.67	1.08	2.06	0.54	1.74	0.75	2.61	2.98	1.08	4.26	0.68	0.13	20.58
Cheyenne	0.88	1.03	0.88	1.19	4.95	0.34	0.92	6.73	1.28	1.49	0.83	0.12	20.64
Chugwater	0.65	0.38	0.34	2.70	3.42	0.54	0.53	5.69	2.85	2.57	0.47	0.27	20.41
Clark	[0.43]	[0.42]	2.01	0.21	0.73	0.89	1.07	1.55	0.77	1.98	0.18	0.01	10.25
Clarkelen (near)	0.64	0.40	0.72	0.42	1.45	1.58	1.28	2.64	0.78	1.33	0.56	0.10	11.90
Cody	0.30	0.16	0.19	0.51	0.77	0.80	0.99	1.66	1.15	2.15	0.05	0.02	8.75
Colony	0.64	0.04	0.52	0.54	0.74	4.06	1.72	1.48	0.15	0.99	0.48	0.26	11.62
Crandall Creek (near)	0.94	2.10	1.57	0.55	1.11	1.48	3.17	4.42	1.82	4.74	0.61	T.	22.51
Deaver	0.11	0.29	0.26	0.66	0.95	0.52	0.26	2.00	0.38	1.24	0.08	T.	6.75
Diversion Dam	0.20	0.08	0.55	0.12	4.25	0.06	2.14	3.59	0.00	1.75	0.00	0.04	12.78
Dixon	1.13	0.42	0.63	0.36	2.03	0.65	0.46	2.19	2.29	1.42	1.21	0.97	13.76
Dome Lake	0.83	1.74	2.23	2.01	2.11	1.65	1.87	2.59	1.14	3.49	0.72	0.67	21.06
Douglas	0.15	1.13	1.18	0.74	4.37	0.81	2.75	3.24	0.24	1.92	0.46	0.52	17.51
Dubois	0.32	0.23	0.41	0.17	1.40	0.25	1.54	4.09	0.37	1.11	0.15	0.00	10.04
Dull Center (near)	0.55	0.10	0.45	[0.76]	2.33	2.24	2.01	3.48	1.31	0.80	0.45	T.	14.48
Echeta	0.50	0.10	0.20										
Eden	1.21	0.55	0.40	0.74	1.12	0.26	0.19	3.90	0.18	0.73	0.30	0.00	9.58
Elk Mountain	1.20	1.40	1.90	0.05	1.33	0.10	0.30	4.04	0.31	1.34	0.94	1.00	13.91
Encampment (near)	0.86	0.46	1.30	0.29	1.45	0.37	1.16	2.55	2.45	0.99	1.79	0.53	14.20
Ervay	0.60	0.61	1.27	0.60	4.01	1.17	3.55	6.67	0.67	1.40	0.32	1.14	22.01
Evanston	1.69	0.93	1.27	0.89	1.10	0.46	1.48	2.24	1.34	0.40	1.09	0.00	12.89
Fort Laramie (near)	0.80	0.36	0.43	1.14	2.94	2.28	1.01	5.76	1.54	2.31	0.33	T.	18.90
Fort Washakie (near)	0.30	0.37	1.24	T.	5.11	0.10	2.60	3.89	T.	2.47	0.00	0.03	16.11
Forpark	1.23	0.98	1.08	0.58	1.38	0.20	[1.75]	[3.26]	0.57	0.92	1.08	0.25	13.28
Gillette (near)	0.28	0.22	[0.46]	1.01	1.39	0.86	1.08	1.43	0.42	1.36	0.40	T.	8.91
Green River	0.75	0.19	0.17	0.64	1.05	0.68	0.54	4.24	0.49	0.62	0.28	T.	9.65
Hampshire	0.22	0.29	0.30	0.48	1.56	0.40	1.33	3.27	1.16	1.96	0.24	0.00	11.21
Hecla	1.38	0.82	0.61	0.33	3.92	0.32	2.01	7.67	1.21	2.73	0.59	0.16	21.75
Hunter's Station	[0.79]	[1.06]	[1.43]	2.27	1.88	1.67	0.86	3.30	0.47	1.71	T.	0.08	15.51
Jackson	1.70	1.30	2.05	1.94	1.95	1.76	1.04	4.83	1.00	2.23	1.28	0.10	21.18
Kendall	2.60	3.53	1.48	1.29	3.29	0.79	1.28	4.62	1.13	3.75	0.67	0.18	24.61
Kirtley	0.44	0.28	0.46	0.89	2.22	2.59	0.75	3.54	1.23	2.30	0.45	0.02	15.17
Knowles	0.31	0.39	1.18	0.91	1.81	6.04	3.69	1.98	T.	1.31	0.81	0.75	19.18
Lagrange	[0.85]	0.31	0.20	1.30	4.68	0.89	0.88	5.22	1.70	3.12	[0.50]	[0.06]	19.40
Lander	0.54	0.46	1.30	0.10	5.70	0.12	1.87	4.35	0.10	2.36	0.01	0.10	17.01
Laramie	0.48	0.35	0.77	0.84	1.83	0.38	1.00	2.95	0.90	1.32	0.58	0.54	11.94
Leo (near)	1.71	0.26	1.23	0.44	2.47	1.10	0.50	3.31	0.29	0.92	0.26	0.41	12.90
Lovell	0.33	0.35	0.22	0.20	0.51	0.91	0.41	1.74	0.43	1.26	0.05	0.02	6.43
Lusk	0.49	0.32	0.96	1.13	5.07	1.73	0.85	4.04	1.69	2.19	0.40	0.32	19.19
Lyman	0.50				0.59	0.46	0.27	2.68	0.50		0.81		
Marshall (near)	0.66	0.07	0.94	1.12	3.28	0.64	0.65	4.20	0.65	0.91	0.34	0.29	13.75
Middle Fork (near)	0.71	0.61	2.14	0.19	6.35	0.15	2.34	4.23	0.21	2.40	0.04	0.24	19.61
Moran	1.84	2.36	1.70	1.78	1.93	1.33	1.41	2.15	1.40	3.48	0.94	0.43	20.75
Newcastle	0.53	0.22	0.55	1.60	3.05	1.96	0.57	2.78	1.67	2.05	0.33	0.07	15.38

Monthly and annual precipitation (in inches and hundredths) for 1930—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Wyoming—Continued													
Nine Mile Creek (near)	[0.33]	[0.36]	[0.33]	0.80	1.94	0.16	0.74	1.63	0.45	1.09	0.10	0.06	7.99
Oshoto (near)	0.40	0.13	0.40	0.30	[1.83]	1.23	0.53	[1.25]	0.50	2.75	T.	T.	9.32
Pathfinder	0.27	0.38	0.49	0.75	3.10	0.48	1.10	3.15	0.31	0.69	0.21	0.57	11.50
Pavillion	0.45	0.22	0.38	T.	3.11	0.58	3.08	4.01	0.32	1.29	0.05	0.18	13.67
Pinebluff	0.48	0.56	0.31	1.80	2.62	1.53	1.26	9.44	1.05	2.91	0.27	0.03	22.26
Pinedale	1.08	0.94	0.96	0.92	3.21	1.01	1.65	4.46	0.76	1.86	0.14	0.01	17.00
Pole Mountain Nursery											0.77	0.40	
Powell	0.49	0.10	0.15	0.20	1.14	1.95	0.59	1.79	0.61	2.17	T.	0.00	9.19
Quaking Aspen Creek	0.20	0.24	0.78	0.50	3.60	0.20	1.80	3.15	0.90	2.70	0.25	0.15	14.47
Rawlins	0.43	0.05	1.42	T.	1.06	0.50	1.09	3.21	1.03	2.09	0.48	0.21	11.57
Recluse								1.24	0.65	1.55	0.18	0.28	
Riverton	0.30	0.09	0.55	0.05	3.51	0.44	1.33	2.90	0.15	1.31	0.12	0.15	10.90
Rochelle (near)	0.51	0.07	0.30	0.77	2.83	0.68	1.49	2.42	1.61	1.25	0.26	T.	12.19
Rockypoint	0.63	0.14	0.80	1.89	1.80	3.78	1.66	1.08	0.08	0.75	0.38	0.56	13.55
Ross (near)	0.40	0.27	0.50	1.02	1.69	1.81	1.44	1.91	0.27	1.00	0.65	0.07	11.03
Sage	0.97	1.29	1.09	0.80	1.64	0.55	0.87	3.45	1.71	0.80	0.62	0.04	13.83
Salt Creek (near)	0.79	0.60	0.89	1.20	1.17	1.58	2.21	3.50	0.47	1.11	0.53	0.27	14.32
Saratoga	0.49	0.03	0.48	0.14	1.33	0.45	1.06	1.91	1.22	1.61	1.25	0.22	10.19
Sheridan	0.69	0.48	0.73	0.64	1.50	1.39	1.20	0.36	T.	2.02	0.19	0.03	9.23
Sheridan Field Station	0.49	0.61	0.64	1.22	1.14	1.80	0.76	0.08	0.22	1.65	0.17	T.	8.78
Shoshone Dam	0.80	0.27	0.15	0.51	0.87	1.22	0.63	1.74	0.83	2.62	0.00	0.00	9.64
South Pass City	1.11	0.73	0.77	0.40	1.79	0.64	1.03	2.81	0.59	0.79	0.42	0.14	11.22
Spencer (near)	0.27	0.24	0.34	0.84	2.66	2.35	0.50	5.73	1.65	[2.11]	[0.36]	[0.03]	17.08
Sundance	0.62	0.07	0.58	1.12	2.64	1.43	1.21	1.24	0.78	3.70	0.94	0.37	14.70
Tensleep (near)	1.06	0.37	0.57	0.45	2.21	0.75	1.05	2.44	0.32	1.46	0.08	0.31	11.07
Thermopolis	1.07	0.25	0.95	0.21	4.23	0.23	1.68	4.15	0.89	0.79	T.	0.09	14.54
Torrington	0.47	0.42	0.19	3.07	3.87	1.59	0.66	4.73	2.29	3.07	0.55	T.	20.91
Ulm	0.56	1.08	1.60	0.89	0.96	1.65	1.65	T.	0.00	1.65	0.36	0.60	11.00
Wamsutter	0.57	T.	0.50	0.24	0.75	0.08	0.10	0.24	0.07	0.11	0.42	0.10	3.18
Wheatland						0.32	0.41	3.79	1.22	2.02	0.41	0.04	
Worland	0.36	0.13	0.20	0.73	2.94	0.20	0.76	3.01	0.21	1.19	0.00	0.23	9.96
Yoder	0.66	[0.58]	0.44	2.34	5.56	0.56	1.10	4.88	3.63	2.20	0.48	0.16	22.59
Yellowstone Park	0.83	0.69	1.10	0.62	1.04	1.00	0.86	4.13	1.36	2.39	1.11	0.27	15.45
Bechler River						2.00	0.82	2.84	2.43	4.03	3.13	1.27	
Buffalo Ranch	1.22	0.60	1.63	1.37	1.76	1.56	1.27	4.44	1.57	3.79	2.20	0.80	22.21
Gallatin	1.20	2.02	2.65	1.52	0.59	1.76	1.19	4.96	1.55	2.03	1.27	0.21	20.95
Lake Yellowstone	0.87	0.67	0.75	0.65	1.70	1.86	0.94	3.85	1.06	1.83	0.94	0.32	15.44
Riverside	1.91	0.90	0.71	0.63	[0.88]	1.33	0.94	2.68	2.34	2.64	1.23	0.37	16.56
Snake River	2.99	3.31	2.73	1.99	2.86	1.45	1.22	3.05	1.58	2.89	2.01	0.56	26.64

SNOWFALL, 1930–31

Monthly and seasonal snowfall, 1930–31

NOTE.—Leaders under heading of months indicate no snow; under seasonal, report incomplete; T., a trace; *, no report; figures inclosed by brackets ([]) are partly or wholly estimated

[Inches and tenths]

Station	1930				1931					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Alabama										
Albertville			2.0	2.3			T.			4.3
Anniston			0.4	0.2	T.		T.			0.6
Auburn										0.0
Birmingham			T.		T.		0.1			0.1
Bridgeport			T.	2.4	0.5		0.2			3.1
Decatur			T.	T.	T.		T.			T.
Florence			0.2	T.	1.5					1.7
Gadsden			T.	0.5						0.5
Greensboro										0.0
Madison			T.	2.5	0.2		0.8			3.5
Maple Grove				2.0						2.0
Mentone			T.	2.5	(*)	(*)	(*)			
Mobile										0.0
Montgomery					T.					T.
Ozark										0.0
Riverton				1.0	1.0		T.			2.0
St. Bernard			T.	1.5			T.			1.5
Talladega			T.	T.			T.			T.
Valley Head			T.	2.0	T.	T.	1.0			3.0
Alaska										
Akiak		1.3	(*)	(*)	6.5	(*)	(*)	(*)	(*)	
Anchorage	T.	0.2	6.4	0.5	(*)	(*)	(*)			
Annex Creek		2.2	68.2	53.5	69.5	68.0	29.5	8.0		298.9
Barrow	1.9	2.0	2.9	8.1		(*)	(*)	(*)	(*)	(1)
Bell Island		4.0	5.0	2.0	6.0	7.9	6.3	1.5		32.7
Bethel	1.5	0.3	3.4	13.6	1.8	4.8	3.8	(*)	(*)	
Calder		4.0	11.4	0.2	0.2	4.2	5.2	0.5		25.7
Chickaloon	T.	8.7	(*)	(*)	(*)	(*)	(*)	(*)	(*)	
Chignik		T.	12.0	25.5	27.2	25.2	12.5	(*)	(*)	
Dillingham	2.4	(*)	32.0	37.0	8.0	11.0	6.3	1.8	(*)	
Dutch Harbor		0.1	3.1	14.8	49.5	72.7	6.4	(*)	(*)	
Eagle	0.2	9.1	15.9	6.5	10.4	5.8	0.2	3.0	(*)	
Fairbanks	3.2	10.2	9.2	5.6	3.9	6.2	2.1	T.	2.0	42.4
Fort Yukon	1.0	11.0	7.0	5.0	2.0	11.0	2.0	2.0	(*)	
Goodnews Bay	(*)	T.	2.8	1.8	4.0	(*)	(*)	(*)	(*)	
Haines		T.	40.0	9.5	28.0	34.0	10.5	T.		122.0
Holy Cross	T.	3.0	8.0	22.0	10.0	16.1	(*)	(*)	(*)	
Juneau		0.4	21.4	0.6	2.6	12.1	4.2	5.0	T.	46.3
Kake		4.0	8.5		3.0	4.0	7.5			27.0
Kalsin Bay		0.9	3.0	4.4	6.2	12.0	(*)	(*)	(*)	
Kasaan		3.5	13.5	0.1	(*)	4.3	(*)	(*)		
Kasilof	(*)	3.5	18.5	6.1	8.5		1.0	1.0	(*)	
Kennecott	6.5	17.0	30.5	17.5	10.5	14.0	2.0	4.0	9.0	111.0
Ketchikan		2.0	4.0		T.	3.0	8.0			17.0
Killisnoo (near)		1.0				2.5	6.5			10.0
Kodiak		1.7	3.0	1.8	0.2	7.2	4.5	1.8	(*)	
Kotzebue	4.6	3.7	2.8	8.3	(*)	(*)	(*)	(*)	(*)	
Latouche		3.2	32.3	32.0	(*)	(*)	(*)	(*)	(*)	
McKinley Park		4.0	(*)	(*)		(*)	2.0	T.	6.0	
Matanuska	7.0	1.7	13.7	8.5	5.2	9.7	1.0		(*)	
Mile Seven (Cordova)		5.0	2.0	21.3	30.3	38.8	2.2			99.6
Naknek			9.0	37.5	1.0	15.0	2.0	2.9	(*)	
Nenana	(*)	8.0	6.5	10.0	2.0	2.0	3.0	(*)	(*)	
Nome	T.	1.9	0.9	9.3	1.5	8.0	1.8	8.8	0.1	32.3
Petersburg		11.0	13.0		7.5	6.5	12.5	2.0		52.5

[1] At Barrow: July, 1930, 2.5; August, 1.3.

Monthly and seasonal snowfall, 1930–31—Continued

[Inches and tenths]

Station	1930				1931					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Alaska—Continued										
Pilot Station	(*)	(*)	7.0	3.0	3.0	8.0	T.	(*)	(*)	
Porcupine Creek		9.1	71.8	59.5	71.0	50.0	29.0	7.0		297.4
Port Alexander		2.0		(*)	(*)	(*)	(*)	(*)	(*)	
Rampart		11.0	8.5	3.0	8.0	5.0	1.5	(*)	(*)	
St. Paul Island	T.	0.3	9.4	22.7	40.6	34.8	12.1	5.3	(*)	
Sevoonga	T.	0.1	(*)	(*)	(*)	(*)	(*)	(*)	(*)	
Seward		10.5	5.0	13.0	16.0	18.0	T.		T.	(2)
Shelter Island			20.5	(*)	(*)	(*)	(*)	(*)	(*)	62.5
Sitka			T.			1.0	T.			
Skagway		(*)	18.9	5.3	1.0	2.2	(*)	(*)	(*)	1.0
Sleetmute	2.5	0.9	18.0	22.0	4.7	16.0	6.0	(*)	(*)	
Tanana	0.9	12.6	8.9	7.4	4.4	5.5	1.5	0.5	(*)	
Tree Point			10.0		(*)	(*)	(*)			
Valdez		22.2	110.3	49.3	68.0	34.1	43.7	10.5	(*)	
Whale Island		1.1	3.3	2.5	0.5	21.4	3.0	6.5	(*)	
White Mountain	T.	10.5	12.0	23.0	5.8	16.5	6.0	(*)	(*)	
Wrangell		1.2	0.5	1.0	2.5	9.0	5.5			19.7
Yakutat		T.	13.7	12.4	11.2	26.7	6.9	1.9	(*)	
Arizona										
Alamo Ranger Station					0.5					0.5
Alpine			20.0	2.0	8.0	26.5	12.2	4.0		72.7
Ashfork			T.		1.0	4.0				5.0
Baboquivari			T.							T.
Bagdad					1.0					1.0
Benson			0.5							0.5
Bisbee			T.	T.	T.	T.				T.
Bright Angel Ranger Station		1.0	27.0	(*)	9.0	39.0	7.0		T.	
Canille			0.1	0.1	(*)					
Cibecue			(*)	4.0	11.0	1.3	(*)		(*)	
Clifton			T.		T.		T.			T.
Cochise Stronghold			2.0		1.0					3.0
Cordes			T.		1.5					1.5
Crown King			6.0		6.0	(*)	(*)		(*)	
Douglas			T.		T.					T.
Eagle Creek Ranger Station			3.8							3.8
Elgin (near)			3.0			T.				3.0
Fairbank			T.							T.
Flagstaff		T.	1.0	T.	1.5	15.5	T.	T.		18.0
Fort Apache			8.5	2.0	2.0	2.0	3.0			17.5
Fort Defiance			14.5	0.5	3.3	5.0	2.5			25.8
Fort Grant			1.4		T.		T.			1.4
Fort Valley			12.5		6.2	29.5	0.5	1.5		50.2
Ganado			16.4		3.7	0.6	0.3			21.0
Gisela			T.	T.			(*)	(*)	(*)	
Globe			0.5		T.					0.5
Grand Canyon		1.0	5.7	T.	5.2	11.2	3.0	2.0		28.1
Heber			4.0	6.0			(*)	(*)	(*)	
Helvetia			4.0							4.0
Henrys Camp			17.8	4.2	6.8	3.0	5.0	2.0		28.1
Holbrook			2.0	2.0	0.5	2.0	T.			6.5
Jerome			0.5	T.	1.2	2.8	0.2			4.7
Kayenta			T.		T.	19.5	3.0			22.5
Lakeside			22.0	3.0	8.0	3.0				36.0
Lees Ferry										0.0
Leslie Canyon			1.0							1.0
Miami			0.5		0.5					1.0
Mormon Lake		1.0	(*)	(*)	(*)	(*)	(*)	(*)		
Mount Trumbull				0.5	6.0	2.0	1.0			9.5
Naco			1.0							1.0
Natural Bridge			8.0	0.5	3.0	1.0				12.5
Nogales			T.							T.
Oracle			6.0	T.	3.0	T.				9.0

[2] Trace in August, 1930.

Monthly and seasonal snowfall, 1930–31—Continued

[Inches and tenths]

Station	1930				1931					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Arizona—Continued										
Palmers Ranch					1.0					1.0
Paradise			0.5	0.5	3.5	3.5				8.0
Patagonia			1.0		T.	T.				1.0
Payson			4.0	1.0	5.0	2.0		1.0		13.0
Petrified Forest	(*)	(*)	(*)	(*)	2.0	T.	T.			
Phoenix										0.0
Pinal Ranch			14.5	T.	4.5	T.	T.			19.0
Pinedale			13.0	5.0	11.0	3.5	2.0			34.5
Portal			T.		T.	1.8				1.8
Prescott			4.3	T.	T.	T.				4.3
Quartzsite										0.0
Rosemont			3.0		1.0	T.				4.0
Ruby			T.		T.					T.
St. Johns			5.0	2.0	4.0	4.0	T.			15.0
San Carlos Reservoir					T.					T.
Santa Marguerita						1.0				1.0
Seligman					T.					T.
Snowflake			1.0	4.0	3.0	5.5	6.0			19.5
Springerville			6.0	3.0	3.0	7.0	3.0			22.0
Supai			T.							T.
Sycamore Ranger Station			T.	(*)						
Thatcher			0.2							0.2
Tombstone			4.0							4.0
Truxton Canyon					1.0					1.0
Tuba City			1.8			T.				1.8
Wallace Ranger Station			16.0	1.0		12.0	1.0			30.0
Walnut Creek Ranger Station			T.		2.0	T.				2.0
Walnut Grove					3.0					3.0
Williams		0.5	11.0		2.0	4.5	2.5			20.5
Winslow			0.5		0.5					1.0
Yaeger Canyon			6.0	T.	4.2	6.0	2.0			18.2
Young			7.0	4.0	5.0	6.0	1.0			23.0
Yuma										0.0
Arkansas										
Arkadelphia										0.0
Batesville			T.	0.7	T.		1.0			1.7
Bee Branch				1.0	1.0		T.			2.0
Bentonville			T.	6.4	0.3		4.7			11.4
Black Rock				1.0	1.5		T.			2.5
Brinkley							T.			T.
Calico Rock			T.	3.0	1.5		T.			4.5
Clarendon			T.		T.		T.			T.
Corning				2.5	5.0		T.			7.5
Cotter				2.0	1.0		0.5			3.5
Dardanelle							T.			T.
Dumas			T.	T.						T.
Dutton			T.	0.5						0.5
El Dorado										0.0
Fayetteville			T.	3.1	1.3		2.5			6.9
Fort Smith			T.	T.	0.4		T.			0.4
Freeman Springs				0.9	0.8		3.3			5.0
Georgetown							0.5			0.5
Gilbert			T.	5.6	T.		T.			5.6
Gravette			T.	4.0	0.5		5.5			10.0
Helena				0.1	T.		T.			0.1
Hope										0.0
Jonesboro				4.9	0.9		T.			5.8
Lead Hill			T.	1.0	1.8		T.			2.8
Little Rock			T.	T.	T.		T.			T.
Lurton				2.5	1.0	1.0	3.3			7.8
Lutherville				T.	2.6		T.			2.6
Mammoth Spring			T.	T.	0.2		T.			0.2
Mountain Home				2.0	1.2		1.0			4.2
Mount Ida										0.0
Ozark					0.2					0.2

Monthly and seasonal snowfall, 1930–31—Continued

[Inches and tenths]

Station	1930				1931					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Arkansas—Continued										
Piggott			T.	1.3	1.0		0.2			2.5
Pine Bluff					T.		T.			T.
Rogers			T.	5.0	0.8		2.5			8.3
Waldron					1.0		T.			1.0
Wynne				1.0	T.		T.			1.0
California										
Big Creek			7.8	T.	9.5	3.5		T.		20.8
Bishop Creek	T.	7.0	4.0		19.0	6.0	5.0	18.0	T.	59.0
Blue Canyon			10.0		35.0	17.0	2.0	7.5		71.5
Bowman Dam		T.	14.5	6.0	55.0	29.0	20.0	14.0		[3] 138.5
Camptonville (near)			4.0	1.5	6.0					11.5
Canyon Dam			2.7	6.0	21.0	3.5	1.5	4.5		39.2
Cedarville	T.		2.0	T.	3.5	T.	2.5	4.0		12.0
Chester			6.0	5.0	26.0	16.0	4.0	2.0		59.0
Cliff Camp			21.0		38.5	4.0	T.	12.0		75.5
Colfax					1.0					1.0
Cuyamaca			4.0							4.0
Deer Creek			6.0	T.	8.0	1.0	T.	T.		15.0
De Sabla			4.0		3.0			1.0		8.0
Dinkey Meadow			23.0		29.5	7.0	T.	10.5		70.0
Dobbins (near)										0.0
Dudleys			1.0	T.	4.0					5.0
Ellery Lake	9.0	14.0	29.0	1.0	41.0	19.0	17.0	12.0	3.0	[4] 145.0
Eureka										0.0
Fort Bidwell			6.0	T.	3.8	1.0	2.0			12.8
Fresno										0.0
Gem Lake	2.0	16.0	16.0	1.0	61.0	25.0	17.0	22.0	2.0	[5] 162.0
Giant Forest	T.	T.	12.3		34.8	15.0	4.5	11.0		77.6
Glennville (near)			1.0		4.0					5.0
Grass Valley			T.							T.
Hat Creek			2.5	T.	T.					2.5
Hayfork			4.0	6.0	T.					10.0
Hetch Hetchy			2.0	1.0	9.0	2.0				14.0
Hot Springs			T.		3.0					3.0
Hullville (near)			0.2		0.2					0.4
Huntington Lake	2.0	T.	25.0	1.0	37.8	23.8	15.8	13.0	3.0	121.4
Independence					T.					T.
Julian					8.0					8.0
Lake Eleanor	2.0		9.5	2.0	17.5	10.0	1.0	1.0		43.0
Lake Sebrina	T.	10.2	7.0		24.8	8.2	10.0	16.5	0.9	[4] 77.6
Lake Spaulding			8.0	4.0	27.0	15.0	10.0	10.5		74.5
Lick Observatory			T.		6.7					6.7
Los Angeles										0.0
Lundy Lake		5.5	14.0		22.0	12.0	13.0	9.0	1.0	76.5
McCloud			18.0	6.0	17.0	T.		T.		41.0
Mill Creek (Amador County)										0.0
Mineral		T.	9.0	9.5	24.0	15.0	3.0	4.0		64.5
Mount Shasta			14.0	4.0	24.0			1.0		43.0
Mount Wilson		T.	0.2		17.0					17.2
Norden	3.0	5.0	41.0	8.0	73.0	45.0	31.0	26.0	(*)	
North Bloomfield			T.	T.	6.0	T.				6.0
Placerville										0.0
Portola			4.0		9.0	5.0	1.5	15.0		34.5
Quincy			5.0	3.5	5.0	1.0		4.0		18.5
Red Bluff										0.0
Redding										0.0
Sacramento										0.0
San Diego										0.0
San Francisco										0.0
San Jose										0.0
Seven Oaks			6.0		12.0	1.0				19.0
Shield's Ranch		T.	2.0		5.0			13.0		20.0
Sierraville			14.5	T.	7.0	3.0		18.5		43.0
South Lake	1.5	4.5	16.0		30.0	11.0	14.0	25.0	T.	[2] 102.0
Springville (near)			6.0		11.0	2.0				19.0

[2] Trace in August, 1930. [3] Trace in June, 1931. [4] Includes June, 1931: Ellery Lake, 1.0; Lake Sebrina, 3.1. [5] Traces in July, 1930, and June, 1931.

Monthly and seasonal snowfall, 1930–31—Continued

[Inches and tenths]

Station	1930				1931					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
California—Continued										
Squirrel Inn			10.5		13.5	2.5				26.5
Tahoe	T.	1.5	12.0	0.5	46.5	19.5	9.0	17.0		106.0
Twin Lakes	10.0	4.5	50.0	6.0	61.0	40.0	33.0	34.0	T.	238.5
Weaverville			14.0	T.		T.				14.0
West Branch			5.5	1.0	5.0	0.5		1.5		13.5
West Point			T.	T.	0.8					0.8
Westwood			6.4	3.9	14.6	6.3	2.0	3.5		36.7
Yosemite			1.0	T.	8.2	2.0	T.			11.2
Yreka			1.0	0.5	T.	T.				1.5
Colorado										
Boulder		T.	13.3	9.8		16.9	20.6	10.6	26.7	97.9
Buena Vista		T.	5.3	T.		4.7	0.5		(*)	
Canon City		T.	7.3	1.2	2.4	8.7	9.0	1.7	5.0	35.3
Cedaredge			8.2	2.5	2.7	8.0	2.9	T.	1.5	25.8
Cheyenne Wells			6.0	2.5	T.	6.0	13.5			28.0
Colorado Springs		0.1	3.5	0.3	T.	10.0	1.7	0.6		16.2
Columbine Ranch			17.0	5.0	8.0	14.0	16.0	4.0	T.	64.0
Crested Butte	T.	3.0	16.0	3.0	6.0	22.0	16.0	21.0	13.2	100.2
Cumbres	0.2	3.5	40.0	2.4	1.9	43.2	43.0	25.2	16.7	[3] 176.1
Delta			9.0	0.8	2.5	1.5				13.8
Denver		0.5	13.6	10.6	0.1	18.0	19.0	12.5	7.2	81.5
Dillon	2.5	5.2	17.0	3.0	2.0	10.0	17.5	11.5	7.3	73.0
Echo Lake	T.	1.0	34.0	3.0	2.0	44.0	30.0	24.0	34.0	172.0
Elk Creek	T.	1.0	18.5	18.0	3.5	27.1	24.0	10.0	24.0	126.1
Fort Collins		0.5	8.0	2.0		15.6	4.6	11.4	1.5	43.6
Fort Morgan		1.0	6.8	8.0		12.0	9.0	8.0		44.8
Fraser	2.0	6.0	17.5	11.5	3.0	12.1	12.0	9.3	2.3	75.7
Garfield	T.	3.9	23.8	3.1	3.5	44.3	23.4	9.7	3.5	115.2
Glenwood Springs			6.0	6.0	8.0	7.0				27.0
Grand Junction			5.6	1.2	1.2	0.4	2.5	T.		10.9
Hartsel		1.0	13.5	2.0	1.0	9.5	8.5		7.0	42.5
Hermit (near)		4.0	14.0	T.		15.5	13.5	5.5	4.0	56.5
Ignacio			10.6		2.6	28.0	8.8		0.2	50.2
Julesburg		T.	9.0	0.4	T.	3.0	14.2	6.0		32.6
Kassler		0.8	18.7	12.5	2.0	20.8	18.7	7.7	8.8	90.0
Lake Moraine	0.2	2.1	19.0	12.0	7.0	23.0	18.0	18.5	55.5	155.3
Lamar			3.3	3.0		9.2	10.5	T.	3.0	29.0
Las Animas			(*)			8.8	3.5		0.1	
La Veta Pass	T.	T.	42.0	12.0	2.5	35.0	28.5	10.5	9.5	140.0
Lay		1.0	20.0	13.0	11.0	11.0	13.5	7.5	4.0	81.0
Leadville	3.5	1.4	15.0	1.5	1.1	14.3	18.5	7.7	10.1	73.1
Long Branch			18.0	4.0		13.0	9.0	5.0	6.0	55.0
Longs Peak	0.5	1.5	36.5	2.0	T.	26.0	32.0	34.5	51.0	184.0
North Lake	T.	1.0	21.5	6.5	3.0	39.9	33.3	19.5	27.5	152.2
Pearl	4.5	6.2	30.7	1.0	3.1	10.0	18.5	6.0	8.3	88.3
Pitkin	3.8		10.2	4.9	5.7	16.0	12.8	6.3	(*)	(*)
Pueblo			4.4	1.7	1.6	9.2	2.4	1.8	T.	21.1
Rico	0.5	0.5	25.0	T.	5.0	34.5	19.0	7.0	3.0	94.5
Rocky Ford			18.0	2.0		5.0	2.1		T.	27.1
Saguache			3.5	T.		14.5	10.5			28.5
Sapinero (near)	3.0	T.	14.4	19.5	12.7	30.4	29.5	11.8	6.0	127.3
Savage Basin	15.0	20.0	47.0	18.5	26.0	88.0	42.0	26.0	28.0	[6] 313.5
Spicer	1.0	4.0	19.0	2.0		4.0	15.3	13.0	7.0	65.3
Steamboat Springs	0.5	T.	21.5	17.2	15.0	10.0	29.5	7.3	0.5	101.5
Wray			16.0		0.5		11.0	6.6		34.1
Connecticut										
Bridgeport				8.1	3.8	5.5	4.2	T.		21.6
Cream Hill		1.0	3.0	15.8	27.8	24.2	15.8	T.		87.6
Hartford		T.	T.	9.5	13.7	6.1	6.0	T.		35.3
New Haven			T.	11.0	2.5	6.0	6.3			25.8
New London			T.	11.2	6.6	3.1	5.6	T.		26.5
North Grosvenor Dale			T.	20.0	13.5	3.0	12.0			48.5
Norwalk			T.	5.5	3.0	3.5	3.0			15.0
Storrs		T.	T.	15.8	16.5	7.5	11.0	T.		50.8
Waterbury				8.2	8.0	11.5	9.0			36.7

[3] Trace in June, 1931.

[6] Includes June 1931: Savage Basin, 3.0.

Monthly and seasonal snowfall, 1930–31—Continued

[Inches and tenths]

Station	1930				1931					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Delaware										
Bridgeville			T.	6.0	T.	T.	10.0			16.0
Dover			T.	1.6	T.	[0.2]	8.5			10.3
Millsboro			T.	5.5	T.	T.	8.0			13.5
Wilmington			T.	1.2	1.0	[0.5]	3.0			5.7
District of Columbia										
Washington			T.	2.5	T.	T.	T.	T.		2.5
Florida [1]										
Georgia										
Albany										0.0
Atlanta			T.	T.	0.1		T.			0.1
Augusta				0.2	T.					0.2
Brunswick										0.0
Clayton			0.2	14.0	4.0		T.			18.2
Concord			T.	1.0						1.0
Cornelia			T.	8.8	2.0		T.			10.8
Dahlonega			0.2	9.0	1.0		T.			10.2
Gainesville			0.1	10.5	0.2		T.			10.8
Macon			T.							T.
Norcross			T.	3.0	0.1		T.			3.1
Rome			T.	3.0	T.		T.			3.0
Savannah (Weather Bureau)										0.0
Thomasville					T.					T.
Toccoa			T.	2.4	1.4		T.			3.8
Waycross										0.0
West Point										0.0
Idaho										
Aberdeen			6.0	6.5	3.0	3.0	2.0	1.5		22.0
Ashton			24.0	5.0	12.0	4.0	4.0	2.5	0.5	52.0
Atlanta			17.5	(*)	26.0	(*)	54.0			
Avery		T.	7.5	17.5	16.4	5.2	3.0	2.0		51.6
Blackfoot			4.0	10.5	7.0	4.0	5.0	T.		30.5
Bliss			14.4	0.4	4.7	0.1	0.1			19.7
Bogus Creek			9.0	5.5	14.5	5.0	19.0	2.5		55.5
Boise			4.8	4.6	5.6	0.1	1.3	T.		16.4
Buhl			5.5	3.0	2.2	0.5	2.5			13.7
Burley			8.0	4.0	1.2	0.5	1.0	T.		14.7
Caldwell			5.0	1.5	3.5			T.		10.0
Cambridge			13.0	9.0	31.0	13.0	4.0			70.0
Challis			5.0	1.0	3.5	T.	4.0	T.		13.5
Coolin		4.3	11.4	9.6	16.1	12.4	1.8	T.		55.6
Council			17.0	11.4	26.0	6.0	1.5	0.5		62.4
Cuprum			20.0	13.0	27.0	13.0	13.0	4.0		90.0
Deadwood	T.	T.	18.0	11.5	27.4	(*)	(*)			
Fort Hall			2.0	7.5	5.0	4.0	2.8	3.7	T.	25.0
Gibbs		1.5	10.7	7.2	8.0	3.0	0.5			30.9
Gooding			9.0	1.2	5.1	0.6	2.8			18.7
Grace		0.5	6.0	4.0	4.0	1.0	7.0	3.5	2.0	28.0
Grandview			T.	0.2	0.2					0.4
Grangeville		3.5	0.2	T.	5.0	3.0	6.0	3.0		20.7
Grays Lake		2.0	11.0	12.0	13.0	2.0	9.0	4.0	2.0	55.0
Grimes Pass		T.	26.2	13.4	(*)	12.4	23.2	4.9	T.	
Hailey			14.5	2.5	12.2	8.5	15.5	3.0		56.2
Hill City	T.		17.0	2.0	13.0	9.5	(*)	7.0		
Hollister			7.0	6.0	1.0	(*)	(*)			
Idaho City			19.0	6.0	19.5	6.5	13.0	1.0		65.0
Idaho Falls			8.0	10.5	11.5	3.5	4.5	3.5	T.	41.5
Indian Cove			6.0	3.5	4.2					13.7
Irwin		2.5	5.5	12.5	18.0	1.8	4.5	0.8		45.6
Kamiah			1.0	7.4	3.0	2.3	2.0			15.7
Kirkham			22.0	10.8	15.3	2.1	2.0			52.2
Lapwai			3.0	7.9	2.0			T.		12.9

[1] No snowfall reported this season at any station.

Monthly and seasonal snowfall, 1930–31—Continued

[Inches and tenths]

Station	1930				1931					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Idaho—Continued										
Lewiston			0.2	2.2	0.1	T.	0.1			2.6
McCall			10.0	14.0	17.0	22.0	31.0	(*)	(*)	
Mackay			2.7	0.2	0.3	4.6	1.2			9.0
Malad			17.0	7.0	7.0	6.0	4.0			41.0
Montpelier		0.1	7.0	2.3	3.5	0.9	4.7	T.	T.	18.5
Moscow		T.	10.2	10.3	5.7	0.8	2.5	T.		29.5
New Meadows		1.2	13.0	17.7	21.9	13.5	9.9	T.		77.2
Oakley			6.0	0.1	T.	2.0	T.			8.1
Obsidian		2.0	12.0	4.0	6.5	9.5	18.0	2.5	T.	[3] 54.5
Pete King Ranger Station			3.0	13.2	5.0	4.0	3.0			28.2
Pine			20.2	11.0	21.0	10.0	8.0	2.0		72.2
Pocatello		T.	10.0	16.5	7.0	3.6	5.6	5.2	T.	47.9
Porthill		1.5	13.5	5.0	9.0	2.0	1.5	0.5		33.0
Potlatch		T.	7.0	9.0	5.0	2.0	4.0			27.0
Prairie			26.0	11.0	17.5	6.0	14.0	2.0		76.5
Priest River Experiment Station		6.5	15.8	12.6	17.5	9.9	3.2	0.8	T.	66.3
Pyle Creek			16.5	6.5	13.6	5.5	2.0			44.1
Roland		3.0	26.0	27.0	39.0	26.5	22.0	8.0	1.0	152.5
St. Maries			7.0	11.0	1.0	1.0				20.0
Salmon			0.1	5.5	4.5	1.7	1.0			12.8
Sandpoint		2.5	9.0	11.5	13.2	12.5	3.7	T.		52.4
Sheep Hill		T.	23.5	9.6	22.3	9.1	19.0	3.0		86.5
Shoshone			13.5	1.7	5.0	1.5	6.0	0.6		28.3
Smith Creek			(*)	13.0	19.0	11.0	24.0	2.0		
Soldier Creek		T.	27.0	4.3	17.5	12.7	22.0	8.0	T.	91.5
Springfield			6.1	11.6	3.7	4.5	3.0	T.		28.9
Tripod Mountain			12.5	12.0	18.5	5.5	5.5			54.0
Wallace		5.1	18.5	13.5	9.5	7.1	2.2	1.5	0.5	57.9
Weiser			4.0	2.0	12.5	1.5	T.			20.0
Illinois										
Cairo		T.	T.	3.5	7.3		0.5			11.3
Casey		T.	1.0	0.6	2.9	T.	9.8			14.3
Chicago (University)		T.	1.7	3.2	2.1	0.4	19.8	T.		27.2
Du Quoin		T.	T.	1.0	0.5		0.2			1.7
Elgin		T.	1.5	3.0	6.0	0.1	11.8	T.	T.	22.4
Flora		T.	T.	1.4	1.6	0.2	0.5			3.7
Galesburg		0.5	3.9	3.5	2.4	T.	15.5	T.		25.8
Greenville		0.1	0.1	0.2	T.	T.	0.3			0.7
Kankakee		T.	2.5	1.9	2.7	T.	12.1			19.2
La Salle		T.	3.5	1.7	3.8	0.2	8.3	T.		17.5
Lincoln		T.	1.8	2.1	0.2	T.	10.0	T.		14.1
Macomb		0.3	0.5	2.0	T.	T.	16.4	T.		19.2
Mascoutah		T.	0.1	2.1	4.3	T.	0.4	T.		6.9
Mount Carmel		T.	0.5	3.0	0.4					3.9
Mount Carroll		T.	3.5	7.6	8.6	0.4	15.2	T.		35.3
New Burnside		T.	0.4	1.0	4.0					5.4
Pana		0.3	0.4	0.5	0.2	T.	9.1			10.5
Peoria		T.	3.8	1.2	1.2	T.	10.3	T.		16.5
Pontiac			3.0	3.0	2.5	T.	12.0	T.		20.5
Rockford		T.	2.0	5.0	5.5	1.0	13.0			26.5
Springfield		0.3	0.4	0.6	0.4	0.1	15.1	T.		16.9
Urbana			2.0	0.3	3.3	0.3	10.7	T.	T.	16.6
Walnut		T.	2.9	3.2	5.3	T.	5.8			17.2
Waukegan			1.0	3.5	6.1	1.1	16.1	T.		27.8
White Hall		T.	T.	2.1	1.5	0.3	8.2			12.1
Indiana										
Angola		T.	5.5	6.2	5.1	2.5	15.0	1.0		35.3
Bloomington			1.2	4.5	1.2	0.2	7.1	0.5		14.7
Bluffton			(*)	4.7	2.7	0.7	16.0	T.		
Butlerville		T.	2.4	8.1	1.9	T.	8.6	1.5		22.5
Evansville		T.	0.7	4.7	0.8	T.	1.2			7.4
Fort Wayne		0.2	3.2	2.7	2.3	2.2	11.5	2.1		24.2
Indianapolis		T.	3.2	2.9	1.5	T.	6.8	T.		14.4

[3] Trace in June, 1931.

Monthly and seasonal snowfall, 1930-31—Continued

[Inches and tenths]

Station	1930				1931					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Indiana—Continued										
Kokomo		T.	3.0	4.0	3.0	T.	8.0			18.0
La Fayette			2.0	1.3	2.8	T.	11.6			17.7
Marion			3.0	3.9	1.3	0.3	5.0	T.		13.5
Mauzy		T.	4.2	6.5	3.2	1.0	5.8	5.0		25.7
Paoli		T.	3.0	4.0	0.2	T.	7.0	T.		14.2
Richmond		T.	2.3	6.1	2.0	T.	5.9	3.7		20.0
Royal Center		1.0	1.7	1.8	2.7	0.5	9.2	T.		16.9
Salem		T.	3.0	7.4	1.0	1.0	10.0	3.0		25.4
South Bend		0.5	17.8	7.1	3.2	2.0	19.5	T.		50.1
Terre Haute			1.5	1.8	1.9	0.1	6.2			11.5
Valparaiso		T.	5.5	5.2	21.0	3.6	20.5	T.		55.8
Iowa										
Afton		T.	0.5	2.5	3.0	T.	17.0			23.0
Alta			1.0	3.5	6.1	T.	7.0	0.7		18.3
Belle Plaine		2.2	1.5	6.0	6.3	0.4	19.9	T.		36.3
Belmond		1.0	1.0	2.5	4.2	3.5	2.5	T.	T.	14.7
Centerville		0.1	T.	0.9	6.1	T.	34.4	0.1		41.6
Charles City		2.0	2.7	2.5	6.5	4.3	7.7			25.7
Davenport		T.	2.7	4.6	4.3	T.	10.6	T.		22.2
Decorah		T.	4.5	2.0	7.5	4.0	13.0	T.		31.0
Denison			1.0	3.1	4.1		1.0			9.2
Des Moines		0.5	0.3	2.0	8.6	T.	6.9	0.4		18.7
Dubuque		T.	3.3	7.6	7.9	1.4	18.1	T.		38.3
Forest City		0.5	3.5	4.5	5.0	4.5	4.6	T.		22.6
Humboldt		T.	T.	2.5	3.5	T.	1.0	T.		7.0
Independence		0.7	1.9	4.4	6.5	0.7	4.9	T.		19.1
Inwood (near)		0.5	0.5	0.7	0.8		1.5	T.		4.0
Iowa City		0.5	3.0	7.0	6.0	T.	9.5	T.		26.0
Iowa Falls		2.6	2.5	3.7	6.0	1.0	6.0			21.8
Jefferson		T.	T.	3.5	5.0	T.	2.0	T.		10.5
Keokuk (Weather Bureau)		T.	0.1	0.7	1.2	0.1	15.9	T.		18.0
Little Sioux		1.0	T.	4.3	6.0	0.6	6.0			17.9
Marshalltown		0.5	0.3	3.4	7.4	0.6	8.0	T.		20.2
Mason City		1.0	3.2	4.2	6.0	7.0	7.0	T.	T.	28.4
Mount Ayr			T.	3.0	2.5	T.	15.3			20.8
Mount Pleasant		T.	T.	2.0	3.5	T.	16.0	T.		21.5
Oakland		T.	T.	1.0	3.0	0.5	15.0	T.		19.5
Olin			2.0	9.0	7.0		15.0			33.0
Oskaloosa		0.3	2.1	5.3	8.6	T.	34.9	0.4	T.	51.6
Postville (near)		1.0	5.0	3.3	6.0	4.0	12.5		T.	31.8
Sioux City		0.2	0.4	3.3	4.2	T.	3.0	T.		11.1
Spencer		0.2	1.4	2.5	4.2	0.2	3.0	0.5	T.	12.0
Thurman			T.	2.0	1.0	2.0	10.0	T.		15.0
Kansas										
Burlington				2.5	T.		9.0			11.5
Colby		T.	4.5	T.		4.0	14.0	5.0	T.	27.5
Columbus			T.	2.0	1.0		4.8			7.8
Concordia		T.	0.2	1.1	0.2	T.	7.6	T.		9.1
Dodge City			T.	5.0	0.4	2.0	11.4	T.	T.	18.8
Garden City			1.0	3.0	0.5	T.	13.0	T.	2.0	19.5
Horton (near)		T.	T.	1.0	T.		5.5	T.		6.5
Howard				2.5			3.0			5.5
Hutchinson		T.		2.0	4.0	T.	13.3			19.3
Independence				3.0	1.5		5.5			10.0
Iola			T.	0.4	0.2		6.5			7.1
Lakin			3.0	5.0		T.	13.5	T.	6.0	27.5
Liberal			T.	2.0		1.0	10.5			13.5
McPherson			T.	1.0	T.		8.5			9.5
Manhattan		T.	T.	0.7	T.		8.4			9.1
Marion			T.	1.3	T.		3.2			4.5
Medicine Lodge				3.0			6.5			9.5
Minneapolis		T.	T.	T.	T.		8.5			8.5
Oketo		T.	0.5	1.6	T.		12.4			14.5
Phillipsburg			1.0	1.5	0.5		12.0	1.0		16.0

Monthly and seasonal snowfall, 1930–31—Continued

[Inches and tenths]

Station	1930				1931					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Kansas—Continued										
Richfield			1.0	3.5		(*)	(*)	(*)	T.	
St. Francis		T.	11.2	1.8	T.	2.0	11.2	2.0		28.2
Sedan				5.5			10.1			15.6
Topeka		0.3	T.	0.8	0.7	T.	10.4	T.		12.2
Wakeeney			T.	1.0	T.		10.0			11.0
Wellington			T.	4.0		T.	4.1			8.1
Wichita			T.	4.4	0.1	T.	5.0	T.		9.5
Kentucky										
Beattyville			2.3	1.9	4.4	1.8	2.3	1.0		13.7
Berea			1.6	5.2	1.5	0.5	1.3	T.		10.1
Bowling Green (No. 1)			T.	2.4	3.0		0.5			5.9
Calhoun		T.	T.	3.5	5.0		1.0	T.		9.5
Earlington				1.8	4.0		1.0			6.8
Eubank			T.	4.0	3.0	T.	0.2			7.2
Frankfort			0.5	0.5	T.	T.	2.0	T.		3.0
Greensburg		T.	T.	1.0	4.5		2.5			8.0
Hopkinsville		T.	0.1	T.	7.0	T.	T.			7.1
Junction City			1.5	4.0	1.0		1.5			8.0
Leitchfield			T.	1.5	3.0	T.	1.0			5.5
Lexington		T.	0.9	3.6	T.	1.5	3.9	0.2		10.1
Louisville (Weather Bureau)		T.	1.7	2.2	0.2	1.0	2.4	T.		7.5
Lovelaceville			T.	3.6	5.0		1.0			9.6
Maysville			0.8	2.0	(*)		1.5			
Mount Sterling		T.	2.0	1.7	(*)	(*)	6.5			
Owensboro (No. 1)		T.	T.	4.5	T.	T.	1.0			5.5
St. John		T.	1.0	1.1	T.	(*)	2.0	T.		
Taylorsville		T.	0.6	0.7	T.	T.	1.2	T.		2.5
Williamsburg			0.1	7.0	(*)		0.1			
Louisiana										
Alexandria										0.0
Amite										0.0
Angola										0.0
Arcadia										0.0
Calhoun										0.0
Clinton										0.0
Crowley										0.0
De Ridder										0.0
Dodson										0.0
Elizabeth										0.0
Grand Cane										0.0
Grand Coteau										0.0
Minden										0.0
Monroe										0.0
Natchitoches			(*)							
New Orleans (Weather Bureau)										0.0
Plain Dealing				T.						T.
Robeline										0.0
Ruston										0.0
St. Joseph										0.0
Shreveport										0.0
Urania										0.0
Maine										
Bar Harbor			0.3	14.2	(*)	17.0	17.0	3.0		
Brassua Dam		T.	1.0	23.2	32.2	16.5	19.2	2.8	T.	94.9
Danforth		T.	T.	17.5	17.0	14.0	15.0	9.0	T.	72.5
Eastport		T.	4.6	10.7	12.2	11.7	15.1	1.0	T.	55.3
Eustis		T.	1.4	13.0	25.6	14.5	20.8	5.0	2.2	82.5
Farmington		1.0	T.	15.5	25.0	19.5	19.0	6.5	T.	86.5
Fort Kent		0.2	3.0	21.0	29.0	24.0	17.0	(*)		

Monthly and seasonal snowfall, 1930–31—Continued

[Inches and tenths]

Station	1930				1931					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
***Maine*—Continued**										
Gardiner	-------	T.	T.	21.5	31.5	23.0	26.5	7.0	-------	109.5
Greenville	-------	T.	3.2	24.5	29.8	19.0	17.8	9.5	3.0	106.8
Houlton	-------	(*)	T.	15.0	32.5	8.5	11.5	8.0	2.0	-------
Jackman	-------	0.8	2.9	19.4	37.1	12.6	16.9	4.9	T.	94.6
Lewiston	-------	1.0	0.5	10.8	25.4	20.8	21.8	6.8	-------	87.1
Madison	-------	T.	T.	17.0	27.2	19.0	15.1	2.0	-------	80.3
Middle Dam	-------	-------	4.5	13.5	27.5	14.3	17.0	5.0	-------	81.8
Millinocket	-------	T.	T.	24.8	33.5	9.8	14.8	7.2	-------	90.1
North Bridgton	-------	2.0	T.	11.0	23.0	26.0	22.0	5.0	-------	89.0
Oldtown	-------	T.	T.	18.0	20.0	15.5	17.0	7.0	-------	77.5
Portland	-------	T.	T.	10.2	16.0	20.9	10.1	4.4	-------	61.6
Rumford	-------	T.	0.6	11.5	26.1	25.2	18.8	4.2	T.	86.4
Van Buren	-------	T.	T.	15.7	32.7	14.0	8.0	T.	-------	70.4
Woodland	-------	T.	1.0	18.0	14.5	8.8	21.0	3.0	-------	66.3
Maryland										
Baltimore	-------	T.	T.	1.6	1.1	0.7	10.0	T.	-------	13.4
Cheltenham	-------	-------	T.	3.5	T.	T.	10.0	T.	-------	13.5
Chewsville	-------	T.	T.	6.0	1.7	0.2	4.5	T.	-------	12.4
Cumberland	-------	T.	2.0	10.0	0.6	T.	0.7	T.	-------	13.3
Darlington	-------	T.	T.	1.3	1.0	1.0	[5.0]	T.	-------	8.3
Easton	-------	-------	T.	4.5	T.	[0.5]	[14.0]	-------	-------	19.0
Emmitsburg	-------	T.	T.	7.0	2.0	1.0	[8.0]	T.	-------	18.0
Frederick	-------	T.	T.	4.7	1.5	0.2	1.5	T.	-------	7.9
Frostburg	-------	T.	3.5	15.5	[2.0]	T.	6.8	6.0	T.	33.8
Grantsville	-------	1.1	7.1	18.7	6.4	7.0	12.5	20.1	T.	72.9
Maryland Line	-------	T.	T.	5.8	[2.0]	[1.0]	[3.0]	T.	-------	11.8
Millington	-------	T.	T.	1.5	T.	T.	9.0	-------	-------	10.5
Oakland	-------	2.0	8.5	16.3	8.8	6.0	13.0	16.0	T.	70.6
Princess Anne	-------	-------	T.	7.7	1.0	T.	7.5	-------	-------	16.2
Solomons	-------	-------	T.	6.5	T.	[1.0]	[10.0]	-------	-------	17.5
Westminster	-------	T.	0.2	7.0	2.5	[1.5]	9.0	T.	-------	20.2
Massachusetts										
Blue Hill	-------	0.1	0.1	12.1	14.2	14.4	15.0	2.8	-------	58.7
Boston	-------	T.	0.1	7.7	11.7	14.0	7.3	T.	-------	40.8
Brockton	-------	-------	-------	7.5	8.5	5.5	13.5	-------	-------	35.0
Clinton	-------	-------	-------	23.8	18.4	16.8	17.0	2.5	-------	78.5
Concord	-------	T.	0.3	14.4	14.7	10.7	13.5	-------	-------	53.6
Fall River	-------	T.	T.	5.5	8.8	3.0	10.0	0.2	-------	27.5
Fitchburg	-------	T.	T.	20.7	19.8	15.2	12.4	3.5	-------	71.6
Framingham	-------	-------	0.1	16.2	16.5	10.5	15.0	0.8	-------	59.1
Greenfield	-------	-------	0.2	13.0	25.5	15.5	6.0	-------	-------	60.2
Hyannis	-------	-------	-------	0.5	8.0	3.0	18.0	T.	-------	29.5
Lawrence	-------	-------	0.8	17.5	15.5	15.2	11.5	3.0	-------	63.5
Nantucket	-------	-------	1.6	0.4	4.9	5.7	12.3	-------	-------	24.9
Plymouth	-------	-------	T.	T.	10.0	15.0	14.0	T.	-------	39.0
Princeton	-------	3.0	1.0	21.5	25.0	17.5	15.8	5.0	-------	88.8
Provincetown	-------	-------	T.	T.	3.0	4.0	12.0	-------	-------	19.0
Rockport	-------	-------	T.	0.5	4.5	9.2	5.0	T.	-------	19.2
Springfield	-------	T.	T.	12.8	19.5	9.5	7.5	T.	-------	49.3
Stockbridge	-------	T.	3.5	17.4	26.1	13.4	12.5	1.0	-------	73.9
Williamstown	-------	0.5	3.5	12.0	26.2	11.8	12.2	5.1	-------	71.3
Winchendon	-------	2.0	3.0	16.0	20.5	15.5	17.0	T.	-------	74.0
Worcester	-------	T.	T.	18.7	16.4	14.0	13.9	2.3	-------	65.3
Michigan										
Alma (No. 1)	-------	0.1	1.0	7.8	9.9	4.3	7.2	T.	-------	30.3
Alpena	-------	5.3	4.2	11.3	15.4	8.2	17.2	2.6	T.	64.2
Battle Creek	-------	T.	4.0	7.5	7.0	1.5	13.0	T.	-------	33.0
Cadillac	-------	4.0	11.0	10.5	13.2	3.3	27.2	T.	-------	69.2
Calumet	-------	2.8	6.0	23.0	21.5	12.5	11.5	4.0	T.	81.3
Croton	-------	T.	2.0	10.0	17.5	6.5	8.5	T.	-------	44.5
Detroit	-------	1.4	3.1	9.1	14.3	3.4	14.3	1.9	-------	47.5
East Tawas	-------	T.	1.5	1.6	8.0	2.5	12.0	-------	-------	25.6

Monthly and seasonal snowfall, 1930–31—Continued

[Inches and tenths]

Station	1930				1931					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Michigan—Continued										
Eloise	-------	T.	1.5	6.5	12.1	2.7	10.9	T.	-------	33.7
Escanaba	-------	T.	0.6	4.0	13.3	8.6	8.9	T.	T.	35.4
Fife Lake (near)	-------	9.0	12.0	11.0	17.5	5.0	26.0	T.	-------	80.5
Frankfort	-------	T.	6.7	13.4	25.1	4.6	13.5	T.	-------	63.3
Grand Haven	-------	1.0	11.4	24.1	19.8	5.6	13.7	0.1	-------	75.6
Grand Marais	-------	6.2	7.0	20.1	7.4	13.2	13.0	T.	T.	66.9
Grand Rapids	-------	0.4	3.7	18.0	19.6	7.2	11.5	T.	-------	60.4
Grayling	-------	T.	11.5	16.0	18.5	7.5	28.0	T.	T.	81.5
Hart	-------	2.0	10.5	14.8	17.0	3.5	16.0	-------	-------	63.8
Hillsdale	-------	0.5	4.3	6.3	8.0	2.4	12.0	1.0	-------	34.9
Houghton	-------	9.1	9.7	22.5	12.0	22.0	14.1	5.0	T.	94.4
Iron Mountain	-------	T.	(*)	3.0	6.5	13.5	6.0	T.	-------	-------
Ironwood	-------	12.0	23.0	21.5	16.5	22.0	16.5	11.0	T.	122.2
Ishpeming	-------	2.3	6.4	4.5	10.1	12.4	17.9	10.0	T.	63.6
Jackson	-------	T.	1.7	8.0	11.0	6.5	15.5	T.	-------	42.7
Kalamazoo (No. 1)	-------	T.	13.0	14.0	13.0	4.0	18.0	T.	-------	62.0
Lansing (Weather Bureau)	-------	0.5	4.5	7.9	15.2	7.9	14.4	T.	-------	50.4
Ludington	-------	1.2	7.3	12.6	18.6	4.2	15.9	T.	-------	59.8
Mackinaw	-------	1.0	1.5	14.5	9.0	8.5	12.0	T.	-------	46.5
Marquette	-------	3.9	16.0	19.6	17.0	5.2	26.0	10.9	T.	98.6
Munising	-------	10.2	15.7	20.4	17.5	18.9	17.7	2.6	T.	103.0
Newberry	-------	4.4	17.3	14.9	14.1	14.5	21.1	0.2	0	86.5
Onaway (near)	-------	(*)	4.3	12.5	14.8	8.5	30.0	-------	-------	-------
Port Huron	-------	4.0	0.5	23.3	15.3	9.1	17.1	0.9	-------	70.2
Roscommon (near)	-------	4.5	8.5	4.5	7.5	1.5	17.0	T.	T.	43.5
Saginaw	-------	T.	3.2	4.9	15.5	8.3	8.8	-------	-------	40.7
Sault Ste. Marie	-------	11.7	4.4	15.0	9.4	15.7	11.1	2.7	0.1	70.1
Seney	-------	2.5	7.0	15.0	(*)	2.9	(*)	0.1	-------	-------
Sidnaw	-------	14.0	9.5	21.0	16.0	14.5	(*)	1.0	T.	-------
Traverse City	-------	1.5	10.0	13.0	9.5	3.5	20.5	T.	-------	58.0
Vanderbilt (near)	-------	14.5	8.0	7.5	10.0	10.0	19.0	T.	-------	77.0
Whitefish Point	-------	20.0	17.0	15.0	20.6	7.8	15.5	1.5	-------	97.4
Minnesota										
Albert Lea	-------	1.0	6.0	T.	6.0	3.0	4.0	-------	T.	20.0
Alexandria	-------	(*)	2.7	0.2	(*)	(*)	9.0	-------	-------	-------
Angus	-------	0.3	0.8	3.9	2.2	0.7	1.7	-------	1.4	11.0
Artichoke Lake	-------	T.	1.9	0.6	T.	1.5	3.3	T.	T.	7.3
Baudette	-------	0.8	5.2	5.2	6.5	(*)	21.8	T.	T.	-------
Big Falls	-------	2.4	2.8	0.6	0.4	3.8	9.8	T.	T.	19.8
Bird Island	-------	T.	4.7	1.0	T.	1.9	6.1	T.	T.	13.7
Campbell	-------	T.	7.0	2.0	3.0	9.0	2.0	T.	1.0	24.0
Collegeville	-------	T.	4.5	1.5	1.2	11.0	4.5	T.	-------	22.7
Duluth	-------	0.4	0.5	2.0	4.3	9.2	13.5	1.2	T.	31.1
Fairmont	-------	(*)	1.5	1.0	1.2	2.5	7.0	0.5	-------	-------
Fort Ripley	-------	T.	5.0	2.6	T.	8.0	7.0	T.	-------	22.6
Gonvick (near)	-------	T.	1.5	5.6	2.7	1.5	T.	(*)	T.	-------
Grand Meadow	-------	3.0	3.5	4.3	9.5	3.0	6.0	0.5	T.	29.8
Grand Rapids	-------	2.5	1.2	3.8	2.8	1.8	9.0	T.	-------	21.1
Hallock	-------	1.0	3.8	2.8	2.5	2.0	4.5	-------	T.	16.6
Itasca State Park	-------	1.0	5.0	5.0	T.	1.0	3.2	T.	-------	15.2
Leech Lake Dam	-------	0.4	2.1	3.2	3.1	2.8	7.6	T.	T.	19.2
Mapleplain	-------	1.4	10.6	1.3	2.4	12.6	2.5	T.	T.	30.8
Meadowlands	-------	4.5	(*)	1.5	1.2	2.4	13.5	2.5	T.	-------
Minneapolis (Weather Bureau)	-------	0.5	4.7	0.7	0.9	7.0	0.4	T.	T.	14.2
Montevideo	-------	T.	3.0	0.8	0.5	1.5	(*)	T.	T.	-------
Moorhead	-------	0.2	6.7	1.2	0.9	3.6	4.6	T.	1.2	18.4
Mora	-------	0.5	2.2	2.5	1.0	12.0	3.5	T.	T.	21.7
Morris	-------	T.	4.5	4.5	3.0	5.0	9.0	-------	T.	26.0
New London	-------	T.	9.0	T.	T.	5.0	1.5	T.	T.	15.5
Park Rapids	-------	1.0	4.0	6.0	1.5	6.5	8.2	T.	0.2	27.4
Pigeon River Bridge	-------	1.5	5.5	9.5	14.5	8.0	6.5	11.0	0.5	57.0
Pine River Dam	-------	T.	3.0	4.0	0.7	2.2	9.8	0.2	-------	19.9
Roseau	-------	0.5	4.0	2.0	3.0	4.0	17.0	T.	0.3	30.8
St. Paul	-------	0.9	7.1	3.2	1.1	7.7	2.4	0.2	-------	22.6
St. Peter	-------	0.4	4.5	0.5	0.8	3.3	1.1	3.0	-------	13.6

Monthly and seasonal snowfall, 1930-31—Continued

[Inches and tenths]

Station	1930				1931					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Minnesota—Continued										
Sandy Lake Dam		2.0	1.0	3.1	3.7	3.7	10.2	1.0	T.	24.7
Thief River Falls		1.6	3.9	4.5	T.	0.5	6.5	T.	0.2	17.2
Two Harbors		T.	T.	3.2	2.5	4.0	13.0	5.0		27.7
Virginia		1.7	3.9	3.3	4.2	2.1	10.5	3.9	10.9	40.5
Winnibigoshish		1.0	1.2	4.2	4.0	2.3	13.0	0.2	T.	25.9
Winona	(*)	0.2	2.4	1.6	8.2	(*)	13.5	T.		
Worthington		T.	T.	T.	0.7	1.0	4.0		T.	5.7
Zumbrota		1.0	1.5	4.5	2.0	6.5	4.0		T.	19.5
Mississippi										
Aberdeen				0.2			T.			0.2
Agricultural College				T.			T.			T.
Anguilla				T.						T.
Bay St. Louis										0.0
Booneville				1.0	2.0		T.			3.0
Brookhaven										0.0
Clarksdale				T.			T.			T.
Columbus										0.0
Corinth				1.5	0.5		T.			2.0
Duck Hill				T.						T.
Greenwood				0.5						0.5
Hattiesburg										0.0
Hernando				0.5	0.6		1.9			3.0
Holly Springs				0.2	0.2		T.			0.4
Jackson										0.0
Kosciusko				T.						T.
Meridian							T.			T.
Moorhead				T.						T.
Natchez										0.0
Pontotoc				3.0			T.			3.0
Rosedale				T.	T.		T.			T.
Swan Lake				1.3						1.3
Tupelo				2.0	2.0		T.			4.0
University				1.0						1.0
Vicksburg										0.0
Water Valley				0.5	T.		T.			0.5
Waynesboro										0.0
Yazoo City										0.0
Missouri										
Appleton City		T.	T.	0.5	0.1		9.0			9.6
Arcadia			T.	T.	5.7		0.5			6.2
Clinton					2.1	T.	9.1			11.2
Columbia		T.	0.3	T.	0.4	0.8	11.5	T.		13.0
Doniphan			T.	6.0	6.8		0.2			13.0
Eldon		T.	T.	2.0	3.0		10.6			15.6
Hannibal		T.	0.7	0.5	0.6	1.4	10.8			14.0
Harrisonville		0.5			2.2		11.0			13.2
Hermann		T.	T.	0.3	1.1	T.	9.3			10.7
Jackson		T.	T.	4.0	7.0		T.			11.0
Kansas City		T.	T.	0.3	0.2	T.	14.1	T.		14.6
Kidder		T.	T.	0.8		T.	12.5			13.3
Kirksville		T.	0.4	0.7	0.7	4.0	19.8			25.6
Koshkonong			T.	4.0	9.0		T.			13.0
Lebanon				1.5	3.0		8.5			13.0
Lexington		T.		0.5	0.2	0.1	22.2			23.0
Macon			T.	T.	T.	0.2	15.9			16.1
Marshall		T.	T.	T.	T.		16.0			16.0
Maryville		T.	T.	1.0	2.5	2.0	17.5			23.0
Mexico		0.5	T.	T.	T.	1.0	12.8			14.3
Mountain Grove			T.	9.3	3.0		7.0			19.3
Neosho			T.	4.0	4.1		4.0			12.1
Nevada				1.0	T.		6.0			7.0
New Madrid				3.5	4.0		T.			7.5
Poplar Bluff			T.	1.2	4.2		0.3			5.7

Monthly and seasonal snowfall, 1930–31—Continued

[Inches and tenths]

Station	1930				1931					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Missouri—Continued										
Rolla		T.	0.5	2.5	2.5		7.0			12.5
St. Charles		T.	0.2	0.2	1.0	0.2	3.0			4.6
St. Joseph		T.	T.	0.8	0.3	T.	12.5	T.		13.6
St. Louis (Weather Bureau)		T.	0.2	0.5	1.5	T.	2.7	T.		4.9
Springfield			T.	4.4	1.2		6.7	T.		12.3
Tarkio		T.		1.5	3.0	2.0	14.0			20.5
Unionville		T.	T.	1.0	4.0	1.0	19.0	T.		25.0
Warsaw		T.		0.3	1.0		13.5			14.8
Montana										
Babb (near)	6.0	9.0	28.0		1.0	2.0	20.0	10.0		[3] 76.2
Belton		5.0	30.5	9.6	11.8	6.7	12.8			76.4
Big Timber		0.5	7.0		T.	0.1	3.0	T.		11.5
Browning		7.5	21.0		0.2	T.	4.6	4.7	5.8	[3] 45.8
Butte	T.	[3.8]	3.7	1.2	5.5	4.6	5.1	(*)	(*)	(2)
Circle (near)		T.	2.0	1.5	0.5	5.4	9.5		T.	18.9
Copper	T.	7.5	7.5	1.0	3.0	7.0	3.5	0.5	T.	30.0
Crow Agency		3.5	1.0	2.0	5.5	2.0	5.5			19.5
Dillon	T.	T.	6.5	2.5	6.5	7.0	2.0	4.9	T.	29.4
Dunkirk (near)	T.	2.0	8.0	4.0	T.	T.	10.0	4.0	T.	[3] 29.0
Fairfield	T.	2.0	4.5		2.0	T.	[2.0]	2.0		[2] 12.5
Flatwillow (near)		3.5	6.0	0.2	1.2	0.2	2.5	3.0	0.5	17.1
Fortine		3.9	18.5	2.6	5.2	4.8	2.6	2.5		40.1
Geraldine (near)	1.3	7.0	13.0	1.4	3.0		7.0	4.0	0.6	[2] 37.3
Glasgow		0.3	4.1	0.5	0.6	0.8	1.9	T.		8.2
Glendive		T.	7.2	4.5	T.	6.0	6.1	T.	T.	23.8
Great Falls		3.8	[6.1]	1.8	4.8	T.	3.4			19.9
Haugan		4.8	19.4	8.0	11.1	8.2	2.0			53.5
Havre	T.	0.5	6.6	2.1	5.0	T.	9.4	0.1	T.	23.7
Hebgen Dam	T.	T.	19.5	16.0	17.0	18.5	17.5	1.0		89.5
Helena		3.7	7.8	T.	0.5	2.3	2.0	0.5	0.8	17.6
Ingomar (near)		1.8	1.6	T.	T.	2.2	0.6	T.	T.	6.2
Kalispell		2.5	30.4	5.2	4.6	1.9	4.7	1.6		50.9
Libby		[3.6]	33.7	2.4	6.6	2.5	T.			48.8
Livingston		3.5	2.5		3.0	2.5		3.5		15.0
Loweth	T.	10.0	12.0	5.5	9.0	6.5	6.5	T.	T.	[2] 49.5
Lytle	T.	6.5	10.0	0.5	1.0	T.	7.5	2.5	2.0	[3] 30.5
Malta		T.	7.0	T.	T.	T.	[2.0]			9.0
Miles City		0.2	3.1	1.4	0.7	1.1	1.4	T.	T.	7.9
Missoula		1.7	3.0	3.4	5.3	6.2	0.3			19.9
Mystic Lake	2.0	0.4	11.5	T.	1.0	5.1	12.2	13.0	1.5	[3] 47.7
Ovando		4.0	1.5	9.7	9.3	2.0	3.2	T.	T.	29.7
Philipsburg		7.3	1.4	1.5	2.4	2.2	1.0	T.	2.0	17.8
Plevna		T.	6.0	4.2	0.1	5.0	5.7	T.	2.5	23.5
Poplar		T.	3.5	2.5	1.0	2.7	3.2			12.9
Red Lodge (near)		1.5	12.5		6.0	7.0	15.0	36.5	1.0	79.5
St. Ignatius		5.0	3.7	1.7	5.3	3.5	6.4			25.6
Stanford		6.0	10.0	2.0	8.5	1.0	7.0	6.0		[2] 40.5
Sun River Canyon		1.4	15.0		0.3		4.3	3.4	0.5	[2] 24.9
Trout Creek (near)		4.4	21.3	12.4	14.3	7.9	0.3			60.6
Upper Yaak River		4.1	18.8	3.1	10.7	[5.1]	0.2	1.6		43.6
Virginia City		8.0	4.0	12.0	14.0	13.0	2.0	8.0	1.0	62.0
White Sulphur Springs		4.0	11.0	2.0	6.0	8.0	9.7	2.5	T.	43.2
Winifred	T.	3.0	10.0	[0.5]	2.0		3.0	4.0		22.5
Nebraska										
Albion		2.0	T.	6.0	5.0	5.0	10.0	4.0		32.0
Auburn		T.	1.0	2.0	1.5	1.0	10.0			15.5
Beatrice			2.5	2.0	T.		8.5	T.		13.0
Beaver City			2.0	2.7	0.1	3.0	17.0	4.6	T.	29.4
Broken Bow		1.0	3.0	4.0	2.0		16.0	8.0		34.0
Central City		T.		0.5	5.0		13.0	1.0		19.5

[2] Trace in August, 1930.
[3] Includes August, 1930: Babb (near), 0.2; Browning, 2.0; Dunkirk (near), 1.0; Lytle, 0.5.
[4] Includes August, 1930: Mystic Lake, 1.0.

Monthly and seasonal snowfall, 1930–31—Continued

[Inches and tenths]

Station	1930				1931					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Nebraska—Continued										
Chadron	2.0	0.1	7.3	2.3	2.4	4.3	15.2	3.0	T.	36.6
Columbus		T.	1.0	1.2	7.0		11.0	T.		20.2
Curtis	T.	T.	9.0	4.0	2.0	2.0	36.0	8.5		61.5
Dumas		1.5	2.0	0.5	3.0	T.	11.0	3.5		21.5
Geneva			0.5	2.5	2.5	1.5	8.5	1.0		16.5
Gordon	1.0	T.	12.0	1.0	2.0	2.0	16.0	3.0	T.	37.0
Gosper			3.5	3.0	T.	2.5	11.0	5.0		25.0
Hartington		0.5	0.5	4.0	3.5	6.0	8.0	0.5		23.0
Hay Springs	0.5	T.	8.0	6.0	4.0	2.5	14.5	3.0	T.	38.5
Hebron		T.	T.	T.	1.0	T.	6.0	T.		7.0
Holdrege		T.	1.0	2.5	0.8	2.0	17.0	6.0		29.3
Imperial		T.	15.0	1.0	T.	4.2	17.5	10.0		47.7
Kimball		T.	2.0	T.	T.	6.0	7.0	7.0	T.	22.0
Lincoln (Weather Bureau)		T.	1.0	1.4	1.9	0.4	8.5	T.		13.2
Minden			T.	2.5	0.3		15.5	T.		18.3
Nenzel (near)	0.3		21.0	3.0	3.5	T.	22.0	3.0		52.8
Newport		0.5	0.5	2.0	5.0	0.4	17.0	T.	T.	25.4
North Loup		1.0	2.8	3.0	2.5		15.7	3.5		28.5
North Platte		0.5	6.5	1.6	0.3	1.0	13.2	6.5		29.6
Oakdale		1.0	5.8	2.5	4.4	T.	7.8	0.2		21.7
Omaha		T.	1.1	1.3	4.3	0.4	8.9	T.		16.0
O'Neill		0.5	2.0	1.0	4.0	T.	7.0	0.5		15.0
Oshkosh	T.		18.0	1.5	T.	T.	19.0	6.0		44.5
Pawnee City		T.	0.2	1.0	0.5		11.0			12.7
Ravenna		T.	T.	1.5	1.5		11.0	T.		14.0
Scottsbluff			7.9	1.7	0.3	4.8	8.9	7.4		31.0
Stanton		0.2	1.2	3.0	4.5	T.	9.7	T.		18.6
Valentine	T.	0.5	11.9	1.4	4.2	0.1	13.8	1.9	T.	33.8
Wakefield		0.2	T.	3.0	2.0	1.0	6.5			12.7
Nevada										
Alamo										0.0
Arthur		3.7	19.2	6.2	4.3	5.4	11.5	4.4		54.7
Austin	T.	T.	10.5	0.7	6.5	10.4	3.8	8.0		39.9
Beatty										0.0
Beowawe			6.0	2.0	3.0	T.	T.	T.		11.0
Carson City			4.0		4.5	T.		10.5		19.0
Elko			20.0	0.2	1.3	0.5	T.	T.		22.0
Fallon			6.0		1.2	T.				7.2
Golconda			6.0	0.5	0.8	2.5		4.0		13.8
Hylton		T.	15.0	T.	5.5	2.0	11.0	1.0		34.5
Kimberly		2.0	9.0		4.0	6.0	1.5	6.0		28.5
Las Vegas										0.0
Logandale										0.0
McGill		T.	7.0	1.0	2.0	1.0	T.			11.0
Minden			3.0		4.0			12.0		19.0
Montello			10.0	2.0	0.5	1.0	T.	T.		13.5
Nixon			4.0		0.6			7.0		11.6
North Fork		T.	30.0	2.0	2.0	2.0	1.0	1.0		38.0
Orovada			7.0	T.	3.0	T.	T.			10.0
Owyhee	T.	5.0	(*)	3.5	7.0	8.0	7.0	T.		
Reno			3.3	T.	3.8	T.		12.7		19.8
Sand Pass (near)			6.0		2.3			T.		8.3
San Jacinto	(*)	(*)	11.0	0.5	4.0	1.0	3.0	(*)		
Schurz			6.0		1.5	T.	T.	1.0		8.5
Searchlight										0.0
Sharp			4.5		4.8	2.0	T.	2.0		13.3
Smith			3.0		7.0			10.5		20.5
Thorne										0.0
Tuscarora (near)		3.5	21.0	10.5	8.0	10.8	14.0	0.5		68.3
Winnemucca			10.4	0.7	0.8	T.	T.	T.		11.9
Yerington			4.0		3.5		0.2	5.5		13.2
Zorra Vista Ranch [10]			2.0		6.0	1.0		5.0		14.0

[10] Name changed from Rye Patch.

Monthly and seasonal snowfall, 1930–31—Continued

[Inches and tenths]

Station	1930				1931					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
New Hampshire										
Berlin		3.8	3.7	14.8	25.7	17.4	18.1	7.0	T.	90.5
Bethlehem		9.0	6.0	18.0	14.0	8.0	10.0	2.0		67.0
Concord		T.	T.	12.0	30.3	12.2	10.0	10.0		74.5
Franklin			T.	7.5	23.0	12.8	11.2	6.0		60.5
Glencliff		6.5	4.8	17.4	22.0	19.5	20.5	4.0	T.	94.7
Hanover		3.0	0.4	10.3	21.8	12.3	12.4	1.5		61.7
Keene		0.5	1.0	12.3	20.7	13.2	11.0	7.0		65.7
Lancaster		T.	3.0	10.9	14.9	8.0	10.1	T.		46.9
Littleton		1.8	3.4	13.6	16.7	6.2	7.6	0.5		49.8
Manchester		T.	T.	17.5	21.5	14.0	14.1	4.0	T.	71.1
Newport		2.0	T.	8.8	21.9	14.0	24.9	11.6		83.2
Pinkham Notch		32.4	4.2	16.5	36.2	25.8	33.4	25.0	0.2	173.7
Pittsburg (a)		2.0	18.0	25.0	36.5	31.1	23.3	12.9		148.8
Plymouth		T.	0.5	10.0	23.5	8.8	17.5	4.0		64.3
West Stewartstown		1.0	3.0	13.0	22.0	11.5	11.5	(*)		
Woodsville		0.5	1.5	10.6	23.4	4.5	9.3	T.		49.8
New Jersey										
Atlantic City			T.	2.6		T.	2.2			4.8
Belvidere			T.	10.0	4.0	(*)	T.			
Cape May			T.	3.4	T.	T.	7.3			10.7
Charlotteburg		T.	0.2	12.8	6.7	7.0	8.8			35.5
Dover		T.	T.	8.5	4.5	4.0	3.5	T.		20.5
Flemington				7.3	3.0	2.0	1.0			13.3
Indian Mills			T.	7.0	T.	1.0	3.0			11.0
Lakewood		T.	T.	2.0	T.	1.0	T.			3.0
Layton			T.	16.0	6.6	16.5	2.8	T.		41.9
Newton			T.	10.5	8.1	12.2	4.0	T.		34.8
Plainfield			T.	5.1	1.9	3.8	0.4	T.		11.2
Ridgefield			T.	7.0	0.9	5.8	3.7	T.		17.4
Sandy Hook			T.	0.8	0.6	3.7	0.1			5.2
Trenton (Weather Bureau)			T.	3.8	T.	1.1	0.2			5.1
New Mexico										
Agricultural College				1.0						1.0
Albuquerque			T.	1.0	2.0		T.			3.0
Aspen Grove Ranch		2.0	25.5	1.0	2.0	34.0	27.5	4.0	T.	96.0
Aurora			12.0	2.5	6.5	10.5	16.5	13.0	2.0	63.0
Aztec			4.0	T.	T.	T.	3.5			7.5
Batemans Ranch	T.	T.	17.9	3.9	3.2	26.3	26.0	2.0	5.0	84.3
Bell Ranch			0.5	3.7	3.8	2.7	4.7	0.2		15.6
Black Lake		2.0	13.8	3.0	4.8	11.8	24.2	12.0	4.5	76.1
Blackrock			9.5	2.0	5.3	3.5	1.0			21.3
Bluewater			2.0	4.0	2.0	1.5	8.0			17.5
Carlsbad				T.			T.			T.
Carrizozo			2.0	1.2	6.8	12.0	11.5	3.5		37.0
Carson Seep Ranger Station			3.0	4.8	11.5	8.0	T.			27.3
Chacon		1.0	8.5	2.0	3.8	13.5	18.0	5.0	T.	51.8
Chama		T.	18.0	2.0	6.0	18.5	26.5	2.0	5.0	78.0
Cimarron			4.5	0.5	T.	12.0	5.0	1.0	T.	23.0
Clayton			10.0	0.2		4.1	8.5	T.		22.8
Cloudcroft		T.	25.0	10.0	13.5	51.5	16.5	4.0		120.5
Cloverdale			4.0	T.	3.0	2.0				9.0
Clovis			0.7	6.0	3.0	1.2	2.0	1.0		13.9
Columbus			T.							T.
Crown Point		T.	6.3	5.1	5.5	5.0	9.0			30.9
Cuervo			10.0	5.0	3.0	6.0	7.0			31.0
Datil			2.1	2.0	2.5	16.5	5.5			28.6
Des Moines			15.0	2.8	0.5	12.5	9.2	4.0	6.5	50.5
Dulce		T.	13.0	T.	3.0	5.5	10.0		1.0	32.5
Duran			3.5	2.0	2.0	9.0	9.5			26.0
Elephant Butte Dam				T.						T.
Elk (near)		T.	0.5	T.	6.0	10.0	T.			16.5
Fort Bayard			1.0	3.5	3.0	3.2	2.5	T.		13.2
Fort Sumner			T.	1.7	6.0	4.0	6.5			18.2

Monthly and seasonal snowfall, 1930–31—Continued

[Inches and tenths]

Station	1930				1931					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
***New Mexico*—Continued**										
Gamerco			12.8	0.7	4.8	8.5	10.2			37.0
Gavilan (near)		0.5	20.0	1.6	4.0	(*)	12.4	(*)		
Hayden (near)		T.	1.5	T.	4.0	0.5	5.5			11.5
Hope			T.	T.	1.0	1.0	1.0			3.0
Horse Springs			9.5	2.0	3.0	6.5	6.5			27.5
Ione			1.5	1.0	3.5	1.5	7.0	T.		14.5
Jemez Springs			0.9	2.4	4.7	6.8	12.7			27.5
Kingston			6.5	0.2	6.0	18.0	4.0			34.7
Las Vegas			8.0	3.5	2.3	13.0	22.8	1.0		50.6
Levy		T.	18.0	3.0	2.0	24.0	20.0		2.0	69.0
Logan (near)			3.0	4.0	7.0	4.0	10.0			28.0
Lordsburg			2.0							2.0
Luna Ranger Station			6.5	3.0	3.5	5.0	4.0	1.0	2.0	25.0
McGaffey Ranger Station			26.4	2.5	6.0	18.0	24.5	1.0		78.4
Mills		T.	6.5	T.	0.5	8.0	11.5	T.	4.5	31.0
Nara Visa (near)			5.0	3.0	7.0	12.0	15.0			42.0
Orogrande					T.					T.
Pasamonte			8.0		T.	5.0	9.0			22.0
Quemado			17.0	1.0	15.0	7.0	(*)	(*)		
Raton (near)			18.0	8.0		6.0	5.0		4.0	41.0
Red River Canyon		T.	22.0	4.0	3.0	37.0	30.0	2.0	5.0	103.0
Regina			10.0	3.0	4.0	15.0	19.5	T.		51.5
Rosa (near)			4.6		2.0	0.6	6.5		0.6	14.3
Roswell			T.	0.5	0.2	2.1	1.6			4.4
San Fidel			1.7	0.2	0.6	5.2	9.5			17.2
San Marcial						T.				T.
Santa Fe			11.0	1.5	2.5	4.5	12.7	0.1	T.	32.3
Selsor Ranch			13.0	4.0	13.0	22.0	29.5	20.0	4.0	105.5
Shiprock			1.0		1.5	2.0	T.			4.5
Socorro				0.8	1.2	3.0	0.5			5.5
Tajique (near)		0.5	15.6	8.6	7.0	25.0	20.3	2.5		79.5
Taos			10.3	0.5	2.0	10.5	10.1	0.8		34.2
Tatum				3.0		7.0				10.0
Taylor			5.1	0.5		11.5	10.0			27.1
Truchas			10.0	1.1	1.5	13.8	21.5			47.9
Tucumcari (near)			7.0	2.5	8.0	17.0	7.0			41.5
Tularosa			0.1	2.0	1.0	1.0				4.1
Winsors Ranch		2.0	12.0	5.0	9.0	21.0	36.0	5.0	1.0	91.0
New York										
Albany		T.	0.3	4.7	8.3	5.9	1.1	0.1		20.4
Alfred		4.3	2.5	8.0	6.1	6.7	22.4	7.5		57.5
Allegany State Park		T.	13.0	22.1	9.8	11.5	19.3	9.0		84.7
Auburn		1.1	3.8	11.4	10.1	8.8	9.8	6.2		51.2
Binghamton		0.4	1.0	11.7	7.7	3.7	2.4	2.7		29.6
Brockport		6.0	2.4	16.0	12.0	14.5	25.0	4.0		79.9
Buffalo		1.9	3.7	14.9	20.0	10.1	10.3	3.9		64.8
Cairo			T.	6.6	9.0	7.3	T.	T.		22.9
Canton		7.5	1.2	7.9	14.4	7.4	16.1	4.7		59.2
Carmel				12.2	3.5	6.5				22.2
Chazy			1.0	4.0	14.5	2.0	15.0	T.		36.5
Cutchogue			1.0	17.0	6.0	10.5	T.			34.5
Dannemora		3.5	3.7	11.5	15.5	7.5	33.0	1.0		75.7
Dansville		1.8	T.	3.7	7.7	3.7	8.0	0.5		25.4
Elmira		1.0	0.1	9.3	7.0	7.3	4.0	0.8		29.5
Fredonia		20.6	19.2	13.4	5.0	3.4	11.5	4.0		77.1
Geneva		1.8	3.9	11.5	7.9	8.7	10.9	4.1		48.8
Gloversville	T.	T.	1.0	13.7	12.0	20.0	4.5	1.5		52.7
Indian Lake		1.0	9.0	8.0	15.3	9.0	31.0	4.0		77.3
Ithaca		1.2	0.7	17.1	7.2	7.2	12.8	4.7		50.9
Jamestown		5.0	19.5	26.3	7.6	9.9	26.0	11.4		105.7
Jeffersonville		T.	1.0	13.0	8.0	7.5	T.	T.		29.5
Lake Placid Club		5.0	9.0	14.0	24.0	8.0	34.0	15.0		109.0
Little Falls (No. 1)		T.	3.0	16.5	10.0	16.5	9.0	3.0		58.0
Lockport		T.	1.0	4.5	10.0	9.0	10.5	2.0		37.0
Lowville		5.0	19.5	22.0	16.5	17.5	17.5	4.0		102.0
Mohonk Lake			T.	17.0	9.0	10.0	T.			36.0

Monthly and seasonal snowfall, 1930–31—Continued

[Inches and tenths]

Station	1930				1931					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
New York—Continued										
Morrisville		0.9	9.8	13.1	10.8	9.5	7.8	3.0		54.9
Mount Vernon			T.	6.4	5.4	4.9	0.3	T.		17.0
New York			T.	4.2	4.0	3.7	T.	T.		11.9
North Lake		7.0	12.0	30.5	37.5	25.0	47.5	13.0		172.5
Norwich		T.	4.7	19.2	11.6	14.4	8.2	0.2		58.3
Oneonta		T.	1.5	12.7	7.2	10.5	3.3	2.0		37.2
Oswego		3.2	15.7	8.9	14.7	16.3	9.2	0.1		68.1
Penn Yan		0.5		1.8	(*)	(*)	4.5	T.		
Port Jervis			T.	21.0	11.0	7.6	1.0			40.6
Rochester		2.5	6.2	11.7	6.2	12.6	17.8	2.3		59.3
Roxbury		1.0	3.8	10.1	(*)	15.5	(*)	7.0		
Setauket			T.	6.3	2.6	7.0	T.			15.9
Sharon Springs (No. 1)		T.	1.0	10.0	9.0	12.0	1.0	2.0		35.0
Spier Falls			2.5	3.5	15.6	8.5				30.1
Syracuse		0.6	4.5	8.7	6.0	4.7	6.3	4.4		35.2
Taberg			4.0	12.5	13.0	30.0	11.0			70.5
Wanakena		4.5	11.7	24.5	16.0	18.7	23.6	7.8		106.8
Wappingers Falls			T.	13.0	8.1	6.9	T.	T.		28.0
Warwick			T.	12.0	8.0	6.0	T.	T.		26.0
Watertown		2.8	16.2	23.4	48.1	18.7	21.0	0.8		131.0
North Carolina										
Altapass			11.0	13.0	3.5	3.5	11.0	6.7		48.7
Andrews		T.	0.8	8.7	2.4	0.1	2.1			14.1
Asheville		T.	1.2	9.2	2.6	T.	5.8	4.3		23.1
Banners Elk		T.	18.0	20.0	10.0	1.0	14.2	8.0		71.2
Beaufort				T.			T.			T.
Boone		1.5	9.2	19.2	8.0	3.3	18.5	14.5	18.2	92.4
Brevard		(*)	(*)	9.5	5.0	T.	2.5	T.		
Caroleen				16.0	4.0		1.5			21.5
Charlotte			T.	10.4	2.0	T.	4.7			17.1
Cullowhee		0.1	2.5	12.0	10.0	T.	4.3			28.9
Elizabeth City				2.0			1.0			3.0
Elkin				25.0	2.5		3.2			30.7
Fayetteville				2.0	0.8		0.2			3.0
Goldsboro				2.0	T.		T.			2.0
Greensboro (Weather Bureau)				14.0	5.0		3.0	T.		22.0
Hatteras			T.			T.	T.			T.
Henderson				12.5	5.2		0.2			17.9
Hendersonville		T.	T.	12.5	2.5	T.	4.5			19.5
Hickory				15.0	5.5		4.0			24.5
Hot Springs		T.	6.0	4.0	2.0	T.	1.0			13.0
Jefferson		T.	4.5	18.2	4.5	T.	12.4	2.5		42.1
Lenoir		T.	T.	16.0	3.5		6.4			25.9
Lumberton				2.0	T.		T.			2.0
Marshall		T.	6.0	8.0	5.0	T.	1.5			20.5
Moncure				6.5	1.5		0.3			8.3
Montreat				12.0	5.0	2.0	10.0	4.0		33.0
Mount Mitchell		2.0	34.0	(*)	(*)	20.0	52.0	22.0		
New Bern				T.	0.3		0.4			0.7
Oxford				16.0	4.5		T.			20.5
Parker		T.	10.2	24.0	13.0	5.2	21.4	25.1		98.9
Pinehurst				6.0	1.0		2.0			9.0
Raleigh (Weather Bureau)			T.	6.5	4.0		0.5			11.0
Rock House (No. 1)		T.	1.5	9.7	4.5	T.	6.4	1.0		23.1
Rockingham				5.0	2.0		T.			7.0
Sloan					0.5		0.7			1.2
Tarboro				3.5	1.5		3.3			8.3
Weldon				3.0	2.0		3.0			8.0
Wenona				0.5	1.0		4.0			5.5
Wilmington				T.	T.		0.1			0.1
Winston-Salem			T.	21.0	3.5		6.0			30.5

Monthly and seasonal snowfall, 1930–31—Continued

[Inches and tenths]

Station	1930				1931					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
North Dakota										
Amenia	-------	T.	21.6	1.3	1.3	2.1	0.4	-------	T.	26.7
Arnegard	-------	T.	6.5	0.2	1.5	1.0	12.5	0.5	2.0	24.2
Ashley	-------	-------	10.5	4.5	0.2	5.5	13.0	5.0	-------	38.7
Beach	-------	-------	4.0	2.9	0.3	5.2	4.0	T.	T.	16.4
Berthold Agency	-------	T.	0.5	0.5	T.	0.2	4.4	T.	-------	5.6
Bismarck	-------	T.	13.1	2.0	0.6	9.9	4.4	0.8	0.1	30.9
Bowman	-------	T.	6.0	2.2	2.0	4.0	8.0	T.	T.	22.2
Carson	-------	-------	8.2	1.5	0.5	4.2	7.5	1.0	0.1	23.0
Crosby	-------	1.3	3.5	0.5	1.2	0.4	5.0	T.	0.5	12.4
Devils Lake	-------	T.	9.6	3.0	2.9	1.4	3.3	1.4	0.5	22.1
Dickinson	-------	0.5	4.5	3.7	0.8	6.1	3.8	0.3	T.	19.7
Dunn Center	-------	-------	T.	1.0	-------	1.0	6.0	T.	T.	8.0
Dunseith	-------	1.0	6.5	2.9	2.0	1.4	5.1	1.7	T.	20.6
Ellendale	-------	0.1	5.6	1.1	0.1	6.4	4.3	1.7	T.	19.3
Fessenden	-------	-------	10.0	1.2	3.0	1.5	4.0	T.	-------	19.7
Fryburg	-------	T.	4.0	5.0	1.5	5.5	6.0	T.	0.5	22.5
Fullerton	-------	T.	10.5	1.1	0.5	9.7	8.0	T.	0.2	30.0
Grafton	-------	T.	10.0	5.7	2.9	T.	2.0	T.	T.	20.6
Grand Forks	-------	0.4	8.2	8.4	1.4	1.0	3.4	T.	0.8	23.6
Hettinger	-------	T.	2.2	1.0	T.	2.0	5.3	T.	T.	10.5
Jamestown	-------	T.	7.2	2.5	1.0	7.8	1.7	T.	T.	20.2
Langdon	-------	3.0	10.0	0.5	5.0	9.0	8.0	2.0	T.	37.5
Larimore	-------	0.2	6.0	4.5	4.0	-------	5.5	-------	1.0	21.2
McClusky	-------	T.	7.5	T.	4.0	2.5	2.0	1.0	T.	17.0
McLeod	-------	T.	4.0	1.3	0.7	1.9	0.6	-------	0.6	9.1
Minot	-------	-------	0.6	0.2	0.5	0.7	4.7	-------	T.	6.7
Mott	-------	2.0	4.5	3.5	T.	5.0	3.5	-------	-------	18.5
Napoleon	-------	T.	11.5	2.0	2.5	6.0	9.2	5.0	1.0	37.2
Pembina	-------	1.5	10.0	9.0	-------	-------	7.0	T.	T.	27.5
Powers Lake	-------	5.1	7.1	7.7	2.0	3.5	10.7	1.5	-------	37.6
Steele	-------	T.	21.0	3.0	8.5	2.5	5.0	0.5	T.	40.5
Valley City	-------	T.	12.0	2.0	0.8	2.0	6.0	-------	T.	22.8
Westhope	-------	T.	1.5	1.5	0.2	0.2	0.7	(*)	(*)	-------
Williston	-------	T.	5.2	0.5	0.5	2.3	10.9	T.	0.5	19.9
Willow City	-------	T.	11.0	5.0	1.0	1.0	8.0	2.0	0.1	28.1
Ohio										
Akron	-------	T.	1.5	6.6	6.0	2.5	6.5	3.8	-------	26.9
Ashland	-------	T.	2.6	6.5	6.5	1.8	11.5	5.0	-------	33.9
Cadiz	-------	T.	4.2	3.0	4.2	5.4	12.3	3.0	-------	32.1
Canton	-------	T.	2.5	11.6	4.1	4.5	8.2	8.0	-------	38.9
Cincinnati (Abbe Observatory)	-------	-------	1.9	4.0	0.6	1.3	8.1	1.8	-------	17.7
Cleveland (Weather Bureau)	-------	T.	10.5	5.1	3.7	0.5	4.1	1.5	-------	25.4
Columbus (Weather Bureau)	-------	T.	1.6	2.0	1.4	1.9	5.3	T.	-------	12.2
Cortland	-------	2.5	5.5	11.0	5.5	2.5	7.3	1.0	T.	35.3
Dayton	-------	T.	0.7	4.4	2.0	0.4	4.5	T.	-------	12.0
Hillsboro	-------	T.	2.1	3.2	T.	1.5	12.2	5.0	-------	24.0
Holgate	-------	T.	1.5	4.2	2.4	1.5	12.6	2.0	-------	24.2
Ironton	-------	-------	1.8	1.9	T.	2.3	5.2	T.	-------	11.2
Kenton	-------	-------	2.5	4.0	5.0	3.5	(*)	(*)	-------	-------
Lancaster	-------	T.	4.0	0.3	0.6	2.0	6.3	1.0	-------	14.2
McArthur	-------	T.	5.5	2.1	T.	0.5	8.0	1.0	-------	17.1
Marietta (No. 1)	-------	-------	2.5	1.5	0.2	1.0	1.2	1.0	-------	7.4
Marion	-------	-------	3.5	5.5	3.0	5.0	6.0	3.0	-------	26.0
Middleport	-------	-------	1.0	3.0	T.	-------	3.5	-------	-------	7.5
Millersburg	-------	T.	2.5	6.0	3.5	1.5	5.0	3.0	-------	21.5
Millport	-------	T.	2.0	3.1	4.3	5.0	9.8	1.0	-------	25.2
Montpelier	-------	T.	0.2	1.8	4.7	1.0	13.6	T.	-------	21.3
Mount Vernon (near)	-------	-------	2.5	4.2	4.0	1.6	3.5	1.0	-------	16.8
New Bremen	-------	T.	3.0	3.5	3.2	T.	3.0	2.0	-------	14.7
Sandusky	-------	T.	1.8	3.5	4.3	1.4	6.9	0.3	-------	18.2
Summerfield	-------	T.	1.2	2.4	0.9	5.5	3.8	4.0	-------	17.8
Tiffin	-------	T.	0.7	3.8	3.9	2.6	6.8	2.5	-------	20.3
Toledo	-------	0.5	0.5	4.0	3.7	0.8	9.4	0.3	-------	19.2

Monthly and seasonal snowfall, 1930–31—Continued

[Inches and tenths]

Station	1930				1931					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Ohio—Continued										
Urbana		T.	2.2	5.1	0.6	1.5	2.2	0.5		12.1
Van Wert			2.0	1.4	2.1	0.5	2.0	1.0		9.0
Washington Courthouse		T.	1.0	1.2	T.	1.0	2.6	0.5		6.3
Waverly			1.5	(*)		(*)	6.8			
Youngstown		T.	2.5	5.8	1.0	4.6	6.0	T.		19.9
Zanesville			2.0	1.4	0.5	0.6	1.3	T.		5.8
Oklahoma										
Ada										0.0
Altus							2.0			2.0
Alva				5.0			10.0	T.		15.0
Antlers										0.0
Ardmore							T.			T.
Beaver			2.0	3.0		0.5	17.0			22.5
Blackwell				5.0			7.0			12.0
Broken Arrow			T.	2.4	T.		1.5			3.9
Buffalo				2.0			23.0			25.0
Carnegie							2.0			2.0
Chandler				1.1			2.0			3.1
Chickasha				T.			2.5			2.5
Durant							T.			T.
Enid				3.0			15.5			18.5
Erick				2.5		T.	8.5			11.0
Hammon				4.0		T.	11.0	T.		15.0
Holdenville					T.		T.			T.
Hugo										0.0
Idabel										0.0
Kenton			12.0	2.2		5.5	8.7	0.4	1.2	30.0
Kingfisher				1.0			2.0			3.0
Lawton							1.5			1.5
Muskogee				0.5	T.					0.5
Okeene				1.0			11.5			12.5
Oklahoma City				2.1	0.2		3.1			5.4
Okmulgee										0.0
Pauls Valley				T.			T.			T.
Pawhuska			T.	2.0			(*)			
Poteau					T.		T.			T.
Shawnee				T.	T.		2.0			2.0
Stillwater				3.4			2.0			5.4
Sulphur							T.			T.
Tulsa			T.	4.0	T.		1.0			5.0
Tuskahoma				(*)	T.					
Vinita			T.	8.0	0.1	T.	2.0			10.1
Waurika							T.			T.
Weatherford				0.8	T.	T.	12.0			12.8
Woodward			T.	5.2		T.	7.4			12.6
Oregon										
Andrews			1.3	0.3	1.7	1.6	T.	1.5		6.4
Ashland			0.2	0.5						0.7
Astoria							T.			T.
Baker			5.8	6.7	9.5	3.7	4.3	0.7	T.	30.7
Bend		T.	4.5	T.	0.2	0.5		T.		5.2
Cascade Summit		2.0	35.0	15.5	32.0	36.0	33.0	13.0	T.	166.5
Chiloquin			18.5	1.0	9.5	5.5	0.2	0.5		35.2
Cornucopia	T.	T.	31.4	34.1	59.7	30.8	34.0	T.	T.	190.0
Corvallis										0.0
Dayville			2.5	T.		2.5	0.5	T.		5.5
Detroit			5.2	2.0	1.8	2.5	3.5			15.0
Eugene										0.0
Fall River			32.0	2.5	9.7	5.5	9.5	5.8	0.4	65.4
Falls City										0.0
Fish Lake	(*)		21.5	17.0	21.0	25.0	8.0	2.0		
Forest Grove			T.	T.	0.5		2.0			2.5
Government Camp	(*)	(*)	42.0	40.0	24.5	35.5	28.0	(*)	(*)	
Grants Pass										0.0

Monthly and seasonal snowfall, 1930-31—Continued

[Inches and tenths]

Station	1930				1931					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Oregon—Continued										
Harney Branch Experiment Station		T.	6.6	1.3	5.5	4.5	3.7	1.0		22.6
Heppner			1.2	T.			2.0			3.2
Hood River			5.5	3.0	5.0	2.0	6.0			21.5
Joseph		T.	3.0	9.0	6.0	4.5	T.			22.5
Klamath Falls			19.9	0.1	5.6	2.0				27.6
La Grande		T.	1.5	[8.0]	9.5	6.0	T.			25.0
Lakeview		T.	6.2	0.7	2.9	8.1	5.6	0.5		24.0
Meacham		1.0	30.1	10.0	34.6	17.7	15.0	3.5	T.	111.9
Medford			T.	T.		T.				T.
Newport										0.0
Olive Lake	T.	4.2	26.0	21.0	35.8	23.5	24.5	9.0		144.0
Pendleton			1.5				2.0			3.5
Portland				T.			T.			T.
Prairie City		T.	9.3	10.1	8.6	5.7	1.7	0.9		36.3
Prospect			4.8	3.8	T.	3.0	T.			11.6
Riverside			2.0	T.	5.0	2.5	T.	T.		9.5
Roseburg			T.							T.
Salem										0.0
Siskiyou			24.0	2.0	26.0	6.0	T.	1.0		59.0
The Dalles			0.5		3.0		T.			3.5
Valley Falls			1.5			3.0		1.5		4.5
Wallowa		T.	7.0	20.3	16.1	11.1	4.4			58.9
Wolf Creek			T.	T.		0.5				0.5
Pennsylvania										
Allentown			T.	3.5	1.5	3.6	2.4			11.0
Altoona			2.6	9.9	2.5	5.1	7.6	4.0		31.7
Bellefonte		T.	T.	10.3	4.6	8.8	4.7	3.9		32.3
Bloserville			0.2	5.4	3.7	2.2	3.0			14.5
Bradford		2.1	10.5	11.5	11.0	3.5	11.0	3.5		53.1
Brookville			4.5	8.5	8.0	4.5	11.0	1.0		37.5
Butler		T.	2.0	5.0	5.5	8.8	8.5	2.0		31.8
Catawissa			0.5	8.8	2.2	6.0	2.9	T.		20.4
Center Hall		T.	1.5	14.0	8.0	7.5	5.4	6.5		42.9
Chambersburg			T.	7.8	2.7	1.1	3.5	T.		15.1
Claysville		T.	1.4	3.3	2.3	4.3	2.2	1.0		14.5
Clearfield		T.	7.0	5.5	10.8	14.0	18.0	12.0		67.3
Coatesville			T.	1.5	2.0	0.8	12.5			16.8
Colebrook			T.	4.7	2.8	2.0	11.2	T.		20.7
Corry		4.0	9.5	22.2	14.3	5.7	9.6	5.3		70.6
Coudersport		T.	7.0	6.9	9.4	5.0	14.2	6.5		49.0
Erie		4.6	11.2	9.8	10.8	1.6	11.8	4.0		53.8
Franklin		0.5	10.7	11.0	8.0	4.0	8.5	T.		42.7
Freeland		0.2	3.0	25.0	7.7	17.2	19.4	6.0	2.0	80.5
Gettysburg		T.	T.	2.1	2.0	0.9	7.0	T.		12.0
Gordon		T.	3.0	16.0	7.0	9.0	13.0			48.0
Gouldsboro		0.5	4.0	16.8	11.0	8.7	13.0	1.5		55.5
Greensburg		T.	3.0	6.3	3.7	5.0	8.4	3.3		29.7
Greenville		T.	6.2	7.1	4.6	3.3	6.0	3.4		30.6
Harrisburg		T.	T.	3.7	1.5	2.8	2.9	T.		10.9
Hawley		T.	0.5	14.2	6.2	22.4	6.5	6.5		56.3
Huntingdon		T.	T.	2.5	2.0	3.5	2.0	T.		10.0
Hyndman		T.	1.6	6.7	0.6	0.1	2.1	0.5		11.6
Johnstown		T.	6.2	8.3	5.5	3.4	7.6	T.		31.0
Lancaster			T.	3.0	1.0	1.0	7.0			12.0
Lansford			T.	6.2	4.5	10.0	5.5			26.2
Lawrenceville		T.	T.	4.5	7.0	14.0	7.0	3.0		35.5
Lewisburg				6.0	3.5	6.5	3.0	T.		19.0
Lock Haven			1.0	8.0	6.0	2.0	0.5			17.5
Lycippus		T.	4.0	6.3	1.5	7.4	5.6	5.1		29.9
Lykens			T.	5.0	2.5	4.5	5.5	T.		17.5
Mauch Chunk		T.	T.	5.9	5.0	8.2	7.1	T.		26.2
Mifflintown			T.	3.4	3.0	3.7	4.8	T.		14.9
Montrose		3.0	1.0	11.0	8.0	10.0	6.0	7.0	2.0	48.0
Mount Pocono		0.2	2.5	15.5	15.8	12.5	13.5	1.0		61.0
New Castle		2.1	2.9	5.4	5.0	8.2	8.7	6.0		38.3

Monthly and seasonal snowfall, 1930–31—Continued

[Inches and tenths]

Station	1930				1931					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Pennsylvania—Continued										
Philadelphia (Weather Bureau)			T.	2.1	0.1	1.1	0.8			4.1
Pittsburgh		T.	2.6	2.8	2.7	4.1	3.4	2.7		18.3
Reading			T.	2.0	0.3	1.6	3.2			7.1
Scranton		T.	1.0	17.6	4.5	11.8	3.2	T.		38.1
Somerset		0.3	6.5	14.9	5.0	5.7	13.1	12.7		58.2
State College		T.	T.	8.7	4.8	6.5	4.0	4.0		28.0
Stroudsburg			T.	11.0	5.0	8.3	2.8	T.		27.1
Towanda			1.0	8.8	7.4	13.3	5.3	17.2		53.0
Uniontown		T.	2.5	2.7	2.5	3.5	3.0	2.0		16.2
Warren		2.7	11.4	17.1	8.4	5.1	11.9	8.6		65.2
Wellsboro		T.	1.3	6.3	8.7	13.5	9.0	4.0	T.	42.8
Wilkes-Barre				8.8	2.2	7.2	0.5			18.7
Williamsport			0.5	2.9	7.6	11.8	3.2	T.		26.0
York				3.0	3.0	1.0	5.0			12.0
Rhode Island										
Block Island			1.4	2.1	4.6	2.1	8.5	T.		18.7
Kingston		T.		6.2	8.4	2.7	8.0	0.1		25.4
Providence			0.1	6.5	12.0	4.6	10.2	T.		33.4
South Carolina										
Anderson				9.0	2.0		0.5			11.5
Beaufort (near)										0.0
Blackville					T.		T.			T.
Caesar's Head			2.1	14.0	4.0	1.0	4.0	1.0		26.1
Charleston										0.0
Clemson College				14.1	1.0		T.			15.1
Columbia					T.		0.3			0.3
Conway										0.0
Darlington				0.5	T.		T.			0.5
Due West				1.8	1.1		0.8			3.7
Ferguson										0.0
Greenville				14.4	3.5	T.	T.			17.9
Greenwood							1.0			1.0
Kershaw				T.	1.5					1.5
Kingstree										0.0
Landrum				14.0	T.	T.	T.			14.0
Newberry					0.2		3.0			3.2
Santuck				5.0	1.5		T.			6.5
Society Hill				T.			T.			T.
Spartanburg				12.0	1.5		T.			13.5
Trenton				T.	T.					T.
Walhalla				10.0	1.5		T.			11.5
Winthrop College				7.0	2.0		2.0			11.0
Yemassee										0.0
South Dakota										
Aberdeen		T.	2.5	0.6	1.6	4.0	10.5	2.5	T.	21.7
Ardmore	T.	T.	4.1	0.1	0.5	3.5	11.5	1.5		21.2
Brookings		T.	0.2	1.0	0.2	0.3	0.9	0.5	T.	3.1
Camp Crook		T.	4.0	3.0	3.0	8.0	9.0			27.0
Cottonwood		0.2	8.0	0.5	1.0	T.	8.0	T.		17.7
Custer	4.0		5.0		1.9	5.5	6.0	3.0		25.4
Deerfield	10.0	0.5	9.5	1.3	4.3	4.0	14.9	1.2	0.3	46.0
Dumont	4.0	1.1	11.7	20.5	11.5	5.0	31.7	10.5	4.5	100.5
Dupree			8.0	2.0	6.2	2.0	16.9	0.5	T.	35.6
Faulkton			5.5	T.	1.0	3.5	7.5	3.0		20.5
Forestburg			T.	T.	T.	T.	3.2	T.	T.	3.2
Hardy Ranger Station	6.0	4.0	5.6	19.7	11.1	6.2	22.9	11.4	5.5	92.4
Harveys Ranch	6.5	3.5	13.0	13.5	16.0	8.5	28.0	13.0	10.5	112.5
Highmore			3.0	T.	1.0	1.1	12.6	1.0	T.	18.7
Huron		T.	1.4	0.1	1.4	1.3	5.0	0.9		10.1
Lead	3.0	1.2	7.6	10.4	5.3	4.9	14.4	8.2	6.2	61.2
Lemmon			6.0	1.0	T.	4.0	11.0	T.		22.0
Milbank			3.5	T.	1.0	6.0	5.9	T.	T.	16.4

Monthly and seasonal snowfall, 1930–31—Continued

[Inches and tenths]

Station	1930				1931					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
South Dakota—Continued										
Mitchell			0.8	0.5	0.7	0.1	3.6	0.2		5.9
Oelrichs	T.	T.	5.5	2.0	2.0	6.8	13.0	3.5		32.8
Pierre		T.	10.6	0.1	2.7	0.6	18.9	0.5	T.	33.4
Pollock		T.	9.5	2.0	T.	0.5	4.0		T.	16.0
Rapid City	T.	0.6	7.0	2.5	2.0	0.6	7.9	0.1	T.	20.7
Rochford	8.1	2.1	16.9	10.4	11.0	9.7	26.3	11.4	5.6	101.5
Sioux Falls		0.2	0.5	1.2	1.0	T.	2.5			5.4
Spearfish		2.0	10.0	8.0	5.5	6.0	12.0	2.7	T.	46.2
Wood		1.0	16.3	T.	4.2	T.	(*)	T.	T.	
Yankton		T.	1.2	1.1	0.5	T.	7.0	0.1		9.9
Tennessee										
Ashwood			T.	6.5	1.0		1.0			8.5
Bristol		T.	2.5	9.5	7.5		2.5	T.		22.0
Celina		T.	T.	3.0	5.0	T.	T.			8.0
Chattanooga			0.1	3.1	1.6		0.2			5.0
Clarksville		T.	0.1	2.7	4.1		T.			6.9
Coldwater			T.	2.5	0.5		0.5			3.5
Copperhill		T.	1.0	7.8	2.7		0.5	T.		12.0
Crossville		1.0	2.0	5.0	10.0		3.0			21.0
Decatur		T.	T.	10.0	5.5		T.			15.5
Elkmont		2.0	5.0	5.0	12.0	2.0	9.0	3.0		38.0
Hohenwald			T.	3.7	1.0		0.8			5.5
Jackson				7.0	1.0		T.			8.0
Johnson City		1.0	0.5	11.0	8.5	T.	1.0	T.		22.0
Johnsonville			T.	6.0	2.0		1.2			9.2
Knoxville		T.	T.	7.2	7.6	T.	0.4	T.		15.2
McMinnville			1.2	6.5	3.4	T.	1.0			12.1
Memphis			T.	0.7	T.	T.	T.			0.7
Nashville		T.	T.	3.3	0.7	T.	1.2			5.2
Newport		T.	3.5	5.0	3.8	T.	1.3			13.6
Palmetto			0.1	2.8	2.5		T.			5.4
Rogersville			T.	9.4	9.5	T.	0.5			19.4
Rugby		3.0	4.0	7.0	12.0	T.	5.0	T.		31.0
Sky Harbor		T.	0.2	3.8	0.6		0.5			5.1
Union City				4.5	2.0		0.2			6.7
Waynesboro			0.8	7.3	4.0		1.5			13.6
Texas										
Abilene				6.0			0.4			6.4
Albany				6.0			T.			6.0
Amarillo			1.2	4.2	0.1	4.7	15.0			25.2
Austin										0.0
Ballinger				6.0						6.0
Balmorhea				0.6						0.6
Beaumont										0.0
Big Spring				2.5						2.5
Brenham										0.0
Brownsville										0.0
Brownwood				2.0			T.			2.0
Clarksville							T.			T.
Corpus Christi										0.0
Corsicana										0.0
Cuero										0.0
Dalhart			1.0	T.	2.5	2.2	13.5			19.2
Dallas				2.4			0.5			2.9
Del Rio										0.0
Dimmitt (near)				5.5	2.5	5.0	1.4			14.4
Dublin				7.0						7.0
Eagle Pass										0.0
Eastland				4.0						4.0
El Paso			T.	T.						T.
Flint				T.						T.
Fort Stockton				T.						T.
Fort Worth				1.5						1.5
Galveston										0.0

Monthly and seasonal snowfall, 1930–31—Continued

[Inches and tenths]

Station	1930				1931					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Texas—Continued										
Greenville							T.			T.
Groesbeck							T.			T.
Haskell				4.0		T.	0.5			4.5
Henrietta							6.0			6.0
Hillsboro				2.0						2.0
Hondo										0.0
Houston										0.0
Kerrville										0.0
Lampasas							0.2			0.2
Liberty										0.0
Llano				T.			T.	T.		T.
Lubbock			T.	2.9	0.5	T.	7.5	0.1		11.0
Memphis				1.5			5.0			6.5
Miami				7.0			21.0			28.0
Nacogdoches										0.0
Palestine							T.			T.
Paris							T.			T.
Plainview			T.	5.5			8.0	T.		13.5
Port Arthur										0.0
Quanah				1.0			8.2			9.2
Rochelle							T.			T.
Romero			2.0	1.0	(*)	(*)	19.0			
Sabinal										0.0
San Antonio										0.0
Sanderson										0.0
Snyder				5.0			1.0			6.0
Spearman				3.0	T.	5.0	10.5			18.5
Spur				0.7			0.5			1.2
Taylor							T.			T.
Temple										0.0
Vega			7.0	4.0	4.5	2.0	27.0			44.5
Waco							0.4			0.4
Weatherford				4.0			T.			4.0
Wichita Falls				0.2			5.0			5.2
Utah										
Alton			9.0		9.0	9.0	(*)	(*)		
Beaver			9.0	T.	8.1	9.1	8.1	5.8	1.9	42.0
Blanding			(*)		T.	T.	4.0			
Brigham City			5.0	8.0	11.0	4.0	6.0	T.		34.0
Castle Dale			2.0		T.					2.0
Cedar City		T.	14.5	2.0	4.7	2.8	5.8			29.8
Duchesne			10.0	T.	2.0	1.0	8.0	15.0		36.0
Emery			7.0				3.0			10.0
Escalante										0.0
Fillmore			17.0	4.0	1.9	9.0	15.0			46.9
Fort Duchesne			7.0	T.	0.7	0.2	2.0	9.0		18.9
Government Creek			11.0	2.5	8.0	19.0		T.		40.5
Green River			0.7		1.2					1.9
Heber		T.	15.0	3.0	9.0	4.0	1.0	5.0	1.0	38.0
Hiawatha	T.	T.	6.5	0.2	2.5	16.2	5.1	0.8	T.	31.3
High Line City Creek			22.0	18.0	15.5	10.5	18.0	(*)		
Huntsville			9.0	4.0	6.0	5.5	6.0	6.0		36.5
Ibapah			15.5	6.0	1.5	8.5	7.0			38.5
Kanab			1.2		1.0					2.2
Laketown			4.0	1.0	1.0	2.6	6.0	2.0		16.6
Levan			19.0	3.5	4.5	12.5	9.0		T.	48.5
Loa			1.0	2.0	0.5	4.0	0.8			8.3
Logan			(*)	5.5	5.0	5.5	7.5			
Lower American Fork			11.0	14.2	6.5	1.1	7.0		T.	39.8
Lower Mill Creek		T.	14.7	13.3	8.9	4.5	22.3	T.		63.7
Manila	(*)		11.0		3.0	3.5	5.0	4.0		
Manti		T.	13.4	0.6	0.6	7.0	1.8	T.	T.	23.4
Milford			6.8	1.8	0.9	1.8	4.5	0.3		16.1
Moab			6.0		T.		1.0			7.0
Modena		0.7	9.7	T.	6.8	3.0	4.8	T.		25.0
Monticello			15.8	T.	T.	10.5	7.5		T.	33.8

Monthly and seasonal snowfall, 1930–31—Continued

[Inches and tenths]

Station	1930				1931					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Utah—Continued										
Morgan	-------	T.	15.0	1.5	6.0	3.5	1.0	7.5	3.0	37.5
Moroni	-------	0.4	8.5	0.8	2.0	1.3	2.5	T.	T.	15.5
Mountain Dell	-------	2.0	25.0	23.0	11.0	3.0	19.0	4.0	2.0	89.0
Mount Emmons	-------	-------	11.7	-------	0.5	6.0	5.0	7.0	T.	30.2
Ogden	-------	T.	16.5	11.0	11.0	4.5	4.0	T.	T.	47.0
Panguitch	-------	4.0	4.5	0.8	2.8	4.5	1.0	0.7	-------	18.3
Park City	-------	-------	29.8	10.5	8.2	6.7	10.6	19.1	T.	84.9
Parowan	-------	-------	13.0	1.5	6.5	5.0	4.0	2.2	-------	32.2
Piute Dam	-------	-------	7.0	2.0	4.0	5.0	T.	-------	-------	18.0
Price	-------	-------	8.0	-------	0.8	0.4	0.2	-------	-------	9.4
Provo	-------	-------	14.0	7.0	8.0	0.5	3.0	-------	-------	32.5
St. George	-------	-------	-------	-------	-------	-------	-------	-------	-------	0.0
Salina	-------	-------	6.0	2.0	-------	2.0	T.	T.	-------	10.0
Salt Lake City	-------	T.	14.3	8.5	9.7	2.0	8.7	0.1	0.2	43.5
Santaquin	-------	-------	6.0	(*)	(*)	11.5	12.0	-------	-------	-------
Scipio	-------	-------	14.0	3.0	1.0	(*)	T.	-------	T.	-------
Silver Lake	17.0	15.0	41.0	18.0	19.5	23.0	43.0	32.5	10.5	219.5
Thistle	-------	-------	21.0	12.0	8.0	10.5	25.0	2.0	3.0	81.5
Tooele	-------	-------	26.5	3.0	2.0	10.0	13.0	-------	-------	54.5
Utah Lake (Lehi)	-------	-------	9.2	3.5	6.5	2.0	T.	T.	-------	21.2
Vernal	-------	-------	14.0	-------	T.	T.	4.0	(*)	-------	-------
Watson (near)	-------	-------	35.0	4.0	0.5	3.0	13.0	8.0	T.	63.5
Widtsoe	-------	-------	5.5	0.5	8.5	11.5	2.5	T.	-------	28.5
Woodruff	-------	T.	5.0	T.	T.	2.0	2.5	2.0	4.0	15.5
Vermont										
Bellows Falls	-------	-------	2.0	9.5	14.1	13.0	13.5	9.0	-------	61.1
Bethel	-------	0.5	1.8	6.5	23.5	9.5	12.2	(*)	-------	-------
Bloomfield	-------	T.	2.0	7.0	21.0	8.5	10.0	(*)	-------	-------
Brattleboro	-------	-------	1.5	14.0	30.0	16.0	9.2	6.5	-------	77.2
Burlington	-------	T.	0.4	8.7	31.3	21.4	10.1	T.	-------	71.9
Cavendish	-------	-------	2.5	9.5	26.9	15.2	18.0	3.0	T.	75.1
Cornwall	-------	T.	4.5	16.0	20.0	9.0	11.0	T.	-------	60.5
East Barnet	-------	T.	1.0	8.5	24.5	10.0	8.5	(*)	-------	-------
East Ryegate	-------	4.0	0.5	7.5	19.5	3.2	6.5	T.	-------	41.2
Enosburg Falls	-------	T.	8.0	17.0	34.5	18.5	17.0	T.	-------	95.0
Garfield	-------	-------	2.0	12.0	38.5	20.5	19.5	T.	-------	92.5
Newport	-------	T.	3.1	5.1	29.5	11.9	11.0	1.0	-------	61.6
Northfield	-------	1.8	1.4	8.7	23.2	5.5	19.6	1.3	-------	61.5
Rochester	-------	T.	1.0	9.0	39.5	16.5	28.5	2.0	-------	96.5
Rutland	-------	-------	0.2	9.6	19.6	10.0	11.6	1.0	-------	52.0
St. Albans	-------	-------	0.5	5.5	37.5	22.5	9.0	-------	-------	75.0
St. Johnsbury	-------	3.1	1.0	6.6	26.0	6.4	9.4	0.3	-------	52.8
Searsburg Mountain	-------	3.5	6.5	17.0	42.0	(*)	(*)	20.0	-------	-------
Vernon	-------	-------	1.0	14.2	24.0	10.8	8.2	2.0	-------	60.2
White River Junction	-------	2.5	0.7	12.3	23.0	12.3	15.2	1.5	-------	67.5
Wilmington	-------	-------	T.	12.8	33.3	21.0	30.5	18.2	-------	115.8
Woodstock	-------	T.	T.	9.0	24.5	14.8	17.2	1.2	-------	66.7
Virginia										
Blacksburg	-------	T.	0.8	18.0	2.8	T.	0.3	0.1	-------	22.0
Callaville	-------	-------	T.	7.5	3.0	-------	T.	-------	-------	10.5
Cape Henry	-------	-------	-------	2.5	0.4	T.	T.	-------	-------	2.9
Charlottesville	-------	-------	-------	5.0	0.2	-------	3.1	-------	-------	8.3
Culpeper	-------	-------	-------	4.2	T.	-------	T.	T.	-------	4.2
Dahlgren	-------	-------	-------	5.8	T.	0.5	3.0	-------	-------	9.3
Dale Enterprise	-------	T.	T.	10.0	T.	T.	4.0	1.0	-------	15.0
Damascus	-------	T.	4.7	17.7	2.5	T.	3.5	T.	-------	28.4
Dante	-------	T.	3.6	10.6	4.0	1.0	1.3	T.	-------	20.5
Emory	-------	T.	2.5	14.9	2.7	2.3	2.8	2.2	-------	27.4
Fredericksburg	-------	-------	-------	7.2	T.	-------	T.	-------	-------	7.2
Glenlyn	-------	-------	-------	9.2	0.9	-------	4.0	1.0	-------	15.1
Hopewell	-------	-------	-------	8.0	1.5	-------	T.	-------	-------	9.5
Hot Springs	-------	T.	4.0	7.7	0.3	T.	10.8	3.0	T.	25.8
Lexington	-------	T.	T.	17.0	2.0	-------	T.	T.	-------	19.0
Lincoln	-------	-------	T.	4.0	T.	T.	T.	T.	-------	4.0

Monthly and seasonal snowfall, 1930–31—Continued

[Inches and tenths]

Station	1930				1931					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Virginia—Continued										
Lynchburg		T.	T.	7.8	1.4		4.3			13.5
New Canton		T.	T.	6.0	1.5		1.0			8.5
Norfolk				2.7	2.5	T.	T.			5.2
Quantico			T.	6.0		T.	0.4			6.4
Richmond			T.	6.0	1.5	T.	T.			7.5
Runnymede (near)			T.	13.0	4.0		0.5			17.5
Staunton		T.	T.	9.6	T.	T.	2.2	1.5		13.3
Woodstock			T.	5.5	T.		T.	T.		5.5
Wytheville		0.6	2.1	18.1	2.1	1.9	9.2	8.0		42.0
Washington										
Aberdeen							T.			T.
Anatone		T.	12.5	7.0	12.6	4.3	2.0	T.		38.4
Bellingham (near)										0.0
Blewett Pass		5.0	13.0	8.5	29.5	11.6	18.2	T.	T.	85.8
Bumping Lake		2.5	33.5	26.5	65.0	23.5	20.5	4.0	1.0	176.5
Cedar Lake		1.0	9.5	4.0	T.	3.0	5.0	2.5		25.0
Centralia			T.				T.			T.
Cle Elum		5.0	17.0	6.0	22.0	4.0	0.8			54.8
Colfax		T.	6.0	4.7	0.8	2.5	2.2			16.2
Colville		4.0	9.6	5.5	6.0	3.8	0.6			29.5
Dayton (near)			1.0	T.	T.	T.	1.0			2.0
Ellensburg		T.	2.1	T.	7.1	T.	T.			9.2
Everett			2.0			T.	0.7			2.7
Goldendale			4.0	2.0	2.0	T.	T.			8.0
La Center (near)				T.			1.0			1.0
Lake Kachess		11.0	24.5	13.5	28.0	14.0	10.0	T.	T.	101.0
Lakeside		0.5	3.7	4.7	25.5	3.0	0.5			37.9
Laurier		1.8	6.6	5.8	17.5	8.5	3.0			43.2
Leavenworth		3.5	10.6	5.5	48.2	7.5	2.0			77.3
Lind (near)			5.3	3.0	1.6	0.5	0.3			10.7
Mount Baker Lodge		4.0	45.0	63.5	97.0	106.0	100.0	51.0	18.0	484.5
North Head							T.			T.
Olga							T.			T.
Olympia							0.5			0.5
Paradise Inn	0.3	5.4	60.0	35.3	95.2	61.0	129.9	38.5	18.2	[11] 443.9
Peola			18.0	14.0	4.0	4.5	4.0	T.		44.5
Port Angeles			0.2							0.2
Quinault			0.6				T.			0.6
Republic		T.	7.4	5.3	16.0	4.2	1.5	T.	T.	34.4
Rosalia		T.	9.1	5.2	4.3	3.4	3.6	0.5		26.1
Seattle (Weather Bureau)							T.			T.
Skagit Powerplant			10.0				T.			10.0
Snoqualmie Pass		18.0	49.0	49.0	80.0	46.0	56.0	23.0	3.0	[8] 324.0
Spokane		0.6	5.4	8.6	5.7	2.6	0.5	T.		23.4
Stampede		(*)	33.0	28.0	33.0	27.0	29.0	10.0	(*)	
Stehekin (near)		1.0	17.0	5.5	51.5	3.0				78.0
Sullivan Lake (near)		2.5	24.0	12.5	24.2	11.5	7.0	T.		81.7
Tacoma			1.5				T.			1.5
Tatoosh Island							T.			T.
Walla Walla (a)			0.9	0.5	0.7	T.	3.0			5.1
Waterville		1.2	4.4	5.9	23.8	5.0	0.5			40.8
Wenatchee		T.	1.0	T.	18.9	T.	T.			19.9
Wenatchee (near)		1.5	3.7	4.5	23.5	2.0	2.0			37.2
Wilbur			10.0	8.0	11.3	3.0				32.3
Wind River			12.9	5.3	13.0	3.0	14.0			48.2
Winthrop		1.0	5.5	4.0	27.0	3.5	0.5			41.5
Yakima			5.5	0.9	9.0	0.5	T.			15.9
West Virginia										
Arbovale		2.0	5.2	11.6	5.5	0.5	19.0	14.5	T.	58.3
Bancroft			1.2	2.6	0.8	T.	5.5			10.1
Bayard		0.5	5.0	23.0	14.0	(*)	10.0	17.0		
Beckley		T.	5.0	8.3	0.5	1.2	5.5	3.9	T.	24.4
Bens Run			6.0	3.0	(*)	3.0	9.0	5.0		

[8] Trace in June, 1931.

[11] Includes June, 1931: Paradise Inn, 0.1.

Monthly and seasonal snowfall, 1930–31—Continued

[Inches and tenths]

Station	1930				1931					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
***West Virginia*—Continued**										
Bluefield	-------	1.0	4.8	7.5	2.5	0.2	14.0	6.0	-------	36.0
Brandywine	-------	-------	1.0	10.0	T.	(*)	6.0	3.0	-------	-------
Buckhannon	-------	T.	6.5	13.0	3.5	1.2	5.5	1.0	-------	30.7
Charleston	-------	-------	1.5	2.5	-------	-------	(*)	-------	-------	-------
Clarksburg	-------	-------	3.0	6.6	3.5	T.	4.0	T.	-------	17.1
Creston	-------	-------	2.5	3.8	0.1	3.0	10.5	-------	-------	19.9
Elkins	-------	0.4	9.1	13.9	9.0	3.7	16.1	2.6	-------	54.8
Fairmont	-------	T.	2.8	7.2	1.8	1.5	10.0	2.2	-------	25.5
Gary	-------	T.	2.0	2.8	0.8	1.5	3.5	T.	-------	10.6
Glenville	-------	-------	4.2	6.4	0.8	0.5	7.8	T.	-------	19.7
Hinton	-------	-------	0.5	7.4	0.2	(*)	3.0	0.5	-------	-------
Horton	-------	1.1	25.2	35.4	17.9	3.3	29.4	21.3	T.	133.6
Huntington	-------	-------	2.2	5.0	T.	3.0	9.0	T.	-------	19.2
Kermit	-------	T.	2.0	5.0	0.5	0.2	7.0	(*)	-------	-------
Lewisburg	-------	-------	4.0	9.5	(*)	(*)	(*)	(*)	(*)	-------
Logan	-------	T.	2.2	2.5	T.	1.5	4.8	-------	-------	11.0
Mannington	-------	-------	2.6	6.2	2.3	4.1	8.3	6.0	-------	29.5
Marlinton	-------	T.	5.5	9.5	3.0	1.0	18.5	4.0	-------	41.5
Martinsburg	-------	-------	T.	4.0	0.5	T.	1.2	-------	-------	5.7
Moorefield	-------	-------	T.	9.0	T.	T.	1.0	T.	-------	10.0
Morgantown	-------	T.	T.	6.5	1.0	3.0	3.0	T.	-------	13.5
New Cumberland	-------	0.2	2.5	0.3	1.2	2.1	3.5	1.0	-------	10.8
Parkersburg	-------	-------	1.8	1.6	T.	3.0	5.6	1.0	-------	13.0
Parsons	-------	T.	7.0	11.5	13.0	3.0	11.3	2.0	-------	47.8
Pickens	-------	2.0	33.0	34.0	18.0	12.0	46.0	21.0	T.	166.0
Piedmont	-------	-------	4.0	8.5	T.	T.	2.0	2.0	-------	16.5
Point Pleasant	-------	-------	3.6	2.8	T.	0.5	4.0	-------	-------	10.9
Ryan	-------	-------	1.7	7.7	2.6	1.7	17.0	0.2	-------	30.9
Stony River Dam	-------	2.0	13.5	20.5	13.0	6.0	22.0	19.0	T.	96.0
Sutton	-------	T.	6.0	20.0	9.0	4.0	19.0	3.0	-------	61.0
Terra Alta	-------	1.1	8.8	14.5	5.5	6.8	11.0	11.9	T.	59.6
Wheeling	-------	-------	1.9	1.3	0.7	4.0	4.6	T.	-------	12.5
Williamson	-------	T.	2.3	4.8	0.8	0.4	4.0	-------	-------	12.3
Wisconsin										
Antigo	-------	T.	0.2	T.	5.2	5.0	5.0	-------	T.	15.4
Ashland	-------	T.	2.5	2.7	4.1	11.7	4.7	0.2	-------	25.9
Beloit	-------	-------	1.5	3.3	6.4	2.8	13.0	-------	-------	27.0
Brodhead	-------	T.	4.0	3.7	6.5	3.0	9.6	-------	-------	26.8
Burnett	-------	T.	1.2	4.1	9.4	2.0	14.4	T.	-------	31.1
Chippewa Reservoir	-------	-------	T.	2.0	9.0	6.0	2.5	T.	-------	19.5
Cornucopia	-------	0.9	2.6	7.4	13.4	5.2	7.4	4.3	-------	41.2
Darlington	-------	-------	2.0	3.5	11.0	2.0	12.0	-------	-------	30.5
Deerskin Dam	-------	0.8	4.0	6.5	6.7	6.4	7.0	T.	T.	31.4
Eau Claire	-------	T.	2.3	(*)	3.0	3.8	5.5	T.	-------	-------
Florence	-------	T.	T.	1.0	9.5	11.5	10.5	T.	T.	32.5
Fond du Lac	-------	T.	2.8	6.3	11.8	7.2	17.5	T.	-------	45.6
Grand River Locks	-------	T.	T.	1.2	9.2	6.2	11.7	-------	-------	28.3
Grantsburg	-------	T.	1.0	3.0	2.2	12.5	(*)	-------	-------	-------
Green Bay	-------	T.	0.5	3.2	7.9	7.1	14.9	T.	-------	33.6
Hancock	-------	T.	2.0	3.0	5.1	12.2	6.0	-------	-------	28.3
Hatfield	-------	T.	0.2	1.5	7.0	4.5	18.0	-------	-------	31.2
High Falls	-------	T.	T.	1.7	9.0	8.0	7.5	T.	-------	26.2
Hillsboro	-------	T.	3.0	2.0	8.0	7.0	18.5	T.	-------	38.5
La Crosse	-------	T.	3.2	2.5	8.4	7.5	14.8	0.3	-------	36.7
Madison	-------	T.	1.3	4.0	11.8	3.9	21.0	T.	-------	42.0
Manitowoc	-------	T.	0.2	4.8	7.3	2.4	15.4	T.	-------	30.1
Medford	-------	T.	T.	3.7	5.0	6.0	6.3	T.	-------	21.0
Milwaukee	-------	T.	4.2	9.0	10.1	3.8	36.3	T.	T.	63.4
Minocqua	-------	T.	0.5	2.5	5.0	5.5	5.0	T.	T.	18.5
Mondovi	-------	T.	3.0	3.0	4.3	5.3	17.0	T.	-------	32.6
New London	-------	T.	T.	3.9	13.0	9.0	10.5	T.	-------	36.4
Park Falls	-------	0.3	2.0	4.5	3.5	7.0	6.1	-------	-------	23.4
Prairie du Chien	-------	T.	2.0	3.5	8.0	1.0	11.5	-------	-------	26.0
Prentice	-------	0.5	0.3	4.3	3.9	6.7	11.2	T.	-------	26.9
Racine	-------	-------	0.5	7.5	2.0	3.0	21.0	T.	-------	34.0
Rhinelander	-------	0.1	1.0	3.0	7.3	7.0	6.5	-------	-------	24.9

Monthly and seasonal snowfall, 1930–31—Continued

[Inches and tenths]

Station	1930				1931					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Wisconsin—Continued										
Richland Center		T.	1.7	3.8	8.7	2.8	22.1	T.		39.1
River Falls		1.5	1.5	3.1	1.0	6.7	1.7	T.		15.5
Shawano		T.	2.0	3.2	7.7	6.0	8.8	0.5		28.2
Sheboygan		T.	0.2	9.6	11.8	1.8	31.8			55.2
Solon Springs		T.	2.0	2.0	3.0	8.0	13.2	1.2	T.	29.4
Sturgeon Bay		T.	0.7	4.5	5.5	5.4	14.9	T.		31.0
Superior		T.	T.	2.2	2.0	6.3	6.2	2.0		18.7
Watertown		T.	1.2	4.5	9.3	4.5	1.7	0.3		21.4
Wausau		T.	0.6	3.1	13.3	12.9	10.8	0.2		40.9
Weyerhauser		T.	2.0	2.0	1.5	8.5	5.5	T.	T.	19.5
Williams Bay			2.2	2.2	10.5	5.0	19.5			39.4
Wisconsin Rapids		T.	1.5	3.5	4.0	5.0	13.8	T.		27.8
Wyoming										
Alta	T.		6.0	11.9	11.0	6.0	7.8	0.5	T.	43.2
Barnum			3.0	5.0	3.0	4.0	7.5	12.0		34.5
Basin		T.	T.	1.6	0.1	2.5	1.5			5.7
Bedford		3.5	11.0	11.5	13.0	12.5	28.0	5.0	4.0	88.5
Casper		0.2	10.5	9.0	1.3	5.0	13.3	10.5	1.7	51.5
Centennial		0.7	9.2	1.6	0.5	11.8	11.4	14.8	4.8	54.8
Cheyenne		T.	9.3	1.2	1.8	7.1	15.7	5.6	0.1	40.8
Chugwater			5.0	3.0	0.4	10.5	11.0	13.5	T.	43.4
Cody		1.0	1.0	0.5	T.	T.	5.1	7.0		14.6
Colony		2.0	7.5	4.0	6.0	7.5	8.5	1.0	T.	36.5
Dixon	4.0	1.0	17.0	20.7	5.0	5.8	6.9	6.5	0.5	67.4
Dome Lake	4.0	17.0	7.0	10.0	5.2	17.5	31.5	29.5	31.0	152.7
Douglas		T.	5.5	6.6	1.6	3.0	7.9	2.5	T.	27.1
Elk Mountain			9.0	8.0	6.0	12.0	20.0	19.0	5.0	79.0
Ervay	1.0		5.0	12.5	1.0	8.0	21.5	15.0	(*)	
Evanston			12.0		1.5	1.5	6.5	1.0		22.5
Fort Laramie (near)	T.		2.5	T.	T.	1.5	5.5	4.0	T.	13.5
Gillette (near)	T.	T.	4.0	T.	6.5	T.	8.0	1.0	T.	19.5
Green River		0.1	3.0	T.	0.8	2.5	10.3	2.5	T.	19.2
Hampshire			2.2			1.0	3.0	2.0		8.2
Kendall		1.0	7.5	2.5	4.0	3.0	9.5	20.5	1.5	49.5
Kirtley	2.5		6.0	0.5		7.0	23.0	9.0	T.	48.0
Knowles		1.0	10.5	9.0	4.8	13.9	13.6	5.0	1.0	58.8
Lander		1.5	0.2	1.4	T.	8.4	8.5	15.3	0.2	35.5
Laramie		T.	9.5	7.0	0.8	5.9	12.1	7.5	T.	42.8
Lovell			1.0	0.2	T.	1.0	1.0			3.2
Marshall (near)		1.2	6.6	6.3	1.6	5.4	13.7	7.7	0.5	43.0
Moran	4.0	8.0	16.0	6.0	7.0	7.0	20.0	16.0	10.0	94.0
Newcastle		T.	5.7	0.4	2.0	2.0	11.0	2.0		23.1
Quaking Aspen Creek		4.0	3.5	2.0		7.1	20.5	28.7	1.5	[2] 67.3
Rawlins			6.0	3.0	1.0	(*)	(*)	(*)	(*)	
Riverton			2.0	3.6	0.5	4.0	3.8	12.0	T.	25.9
Ross (near)	0.1	0.5	7.0	0.7	1.0	2.5	4.5	4.0	4.5	24.8
Sage			8.0	0.5	0.2	1.5	7.6	2.5		20.3
Sheridan		3.5	2.5	0.3	6.0	4.9	5.9	8.8	0.6	32.5
South Pass City		3.0	10.0	3.7	1.2	3.9	10.9	12.6	1.8	47.1
Worland				4.0	2.3	2.5	2.0			10.8
Yellowstone Park	2.3	9.5	19.9	7.1	3.6	8.1	11.3	3.3	5.5	70.6
Lake Yellowstone		4.0	13.1	3.5	4.0	10.5	16.6	6.0	2.0	59.7
Canadian stations										
Cape Race, Newfoundland			6.0	7.0	2.0	17.0	4.3			36.3
Burin, Newfoundland			2.0	21.1	14.7	16.0	8.0	2.0		63.8
Sydney, Cape Breton Island			T.	37.7	31.9	35.0	44.0	7.0		155.6
Halifax, Nova Scotia			0.6	21.3	13.2	8.8	13.9	T.		57.8
Yarmouth, Nova Scotia		T.	6.1	23.2	12.0	23.3	19.0	T.		83.6
St. John, New Brunswick			7.6	14.3	17.2	15.9	13.6	2.0		70.5
Charlottetown, Prince Edward Island			8.1	29.2	41.5	48.8	23.2	7.6		158.4

[2] Trace in August, 1930.

Monthly and seasonal snowfall, 1930–31—Continued

[Inches and tenths]

Station	1930				1931					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Canadian stations—Contd.										
Chatham, New Brunswick	-------	T.	0.2	11.2	24.0	14.2	17.7	2.7	-------	70.0
Anticosti, Quebec	-------	T.	3.0	13.0	27.8	(*)	(*)	(*)	(*)	-------
Fame Point, Quebec	-------	T.	7.0	25.0	88.0	46.0	14.0	7.0	3.0	190.0
Father Point, Quebec	-------	-------	3.8	12.6	25.0	19.4	15.1	0.6	(*)	-------
Quebec, Quebec	-------	0.8	8.5	33.1	35.1	25.4	16.9	2.2	T.	122.0
Doucet, Quebec	-------	1.1	5.0	11.5	12.2	13.4	8.5	1.9	1.0	54.6
St. Hubert, Quebec	-------	-------	3.0	(*)	30.9	31.5	13.8	T.	-------	-------
Montreal, Quebec	-------	T.	5.4	12.5	31.8	23.7	8.4	T.	-------	81.8
Ottawa, Ontario	-------	0.2	4.8	17.9	20.5	14.2	7.5	1.9	-------	67.0
Kingston, Ontario	-------	T.	0.5	2.6	14.0	5.6	8.4	3.0	-------	34.1
Haileybury, Ontario	T.	1.3	2.8	9.1	8.1	4.5	28.3	2.9	-------	57.0
Toronto, Ontario	-------	0.2	1.1	6.4	22.5	9.5	17.2	2.2	-------	59.1
London, Ontario	-------	1.4	26.5	24.5	26.0	13.8	14.0	4.6	-------	110.8
Southampton, Ontario	-------	3.9	26.4	19.2	27.0	8.7	19.9	1.0	-------	106.1
Parry Sound, Ontario	-------	7.0	3.6	38.5	38.9	14.6	20.1	3.6	-------	126.3
Cochrane, Ontario	-------	2.5	9.1	17.6	15.8	3.0	12.1	16.2	T.	76.3
White River, Ontario	-------	3.6	9.0	13.6	15.9	6.7	7.4	13.6	2.5	72.3
Port Arthur, Ontario	-------	-------	1.6	6.2	12.9	2.4	2.8	6.2	T.	32.1
Sioux Lookout, Ontario	-------	3.7	2.7	7.3	6.9	0.6	1.7	4.3	12.4	39.6
Winnepeg, Manitoba	-------	1.0	14.0	5.9	2.6	1.8	7.0	1.4	12.8	46.5
Minnedosa, Manitoba	-------	2.4	2.9	2.2	2.5	0.6	8.2	1.2	T.	20.0
The Pas, Manitoba	-------	15.7	2.5	5.3	15.0	1.1	11.7	0.3	0.5	52.1
Qu'Appelle, Saskatchewan	-------	9.2	6.0	3.4	4.4	2.2	9.8	T.	0.8	35.4
Moose Jaw, Saskatchewan	-------	5.1	5.0	0.7	0.4	0.7	8.6	0.2	1.0	21.7
Swift Current, Saskatchewan	-------	7.9	2.8	2.5	0.8	0.7	4.9	1.6	-------	21.2
Medicine Hat, Alberta	T.	1.0	2.5	1.8	0.6	-------	4.6	0.2	0.1	10.8
Calgary, Alberta	4.2	7.6	12.7	5.0	0.5	1.5	26.0	11.1	3.0	71.6
Banff, Alberta	2.9	9.2	1.3	T.	5.3	3.5	7.4	16.1	9.0	[12] 56.2
Prince Albert, Saskatchewan	-------	20.2	2.5	1.3	6.9	1.6	8.8	0.3	1.7	43.3
Battleford, Saskatchewan	-------	15.3	1.3	1.5	T.	0.3	2.5	-------	T.	20.9
Edmonton, Alberta	T.	6.4	8.8	0.7	T.	T.	12.4	4.2	1.7	34.2
Kamloops, British Columbia	-------	0.8	5.0	2.6	(*)	3.7	3.6	T.	-------	-------
Vancouver, British Columbia	-------	-------	9.2	1.0	-------	0.5	1.7	-------	-------	12.4
Victoria, British Columbia	-------	-------	-------	-------	-------	-------	T.	-------	-------	T.
Estevan Point, British Columbia	-------	-------	-------	-------	-------	-------	-------	-------	-------	0.0
Prince Rupert, British Columbia	-------	T.	T.	-------	-------	T.	T.	-------	-------	T.
Jasper, British Columbia	0.2	7.9	-------	1.9	6.6	2.5	17.9	2.4	-------	39.4
Prince George, British Columbia	-------	T.	4.0	10.2	7.5	4.5	11.2	T.	(*)	-------
Atlin, British Columbia	T.	15.2	34.0	6.2	7.5	5.8	9.0	T.	T.	77.7
Dawson, Yukon	1.0	4.9	14.7	22.2	8.9	11.5	T.	7.1	2.0	72.3
Mayo Landing, Yukon	-------	7.7	16.5	13.5	8.2	12.0	5.0	3.5	(*)	-------
Fort Smith, Mackenzie	T.	6.6	21.5	14.5	(*)	(*)	12.4	(*)	(*)	-------
Fort Simpson, Mackenzie	(*)	3.5	16.3	8.8	(*)	(*)	(*)	(*)	(*)	-------

[12] Includes August, 1930: Banff, 1.5.

EVAPORATION, 1930

Monthly and annual evaporation (in inches and hundredths) for 1930

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Alabama													
Silverhill	2.56	1.83	3.86	5.32	5.38	6.12	7.00	6.41	3.60	2.67			
Alaska													
Fairbanks					4.19	4.45	4.39	2.18	1.05				
Matanuska						1.59	4.02	3.44					
Arizona													
Lees Ferry	1.33	2.91	6.06	8.53	10.26	14.53	12.25	10.50	9.31	6.21	3.00	1.80	86.70
Mesa	2.68	4.35	6.10	7.03	8.84	10.46	10.02	8.82	7.36	5.55	3.93	2.93	78.09
Roosevelt	1.88	3.15	4.67	6.55	8.62	12.68	10.33	8.40	7.07	5.51	3.43	1.93	74.23
University of Arizona	2.51	4.11	5.65	7.71	9.62	11.77	10.56	10.42	8.85	7.30	4.85	3.18	86.53
Willcox	3.14	4.31	5.68	7.37	8.17	8.39	7.17	7.96	6.49	5.59	4.32	2.59	71.19
Yuma (citrus)	3.66	5.98	8.10	10.76	13.36	15.88	16.24	14.03	12.06	8.92	6.49	4.93	120.40
California													
Alvarado (near)	1.46	2.27	4.18	5.63	6.61	7.60	7.75	6.84	5.19	3.49	2.12	1.21	54.35
Chula Vista	3.07	3.51	4.97	6.09	6.75	6.64	7.82	7.48	6.45	5.42	4.58	3.25	65.94
Fall River Mills		1.15	3.42	4.58	6.68	10.37	12.58	10.75	5.99	3.38	2.51		
Oakdale (near)	1.14	1.86	3.71	4.98	7.75	14.53	15.18	13.48	8.05	5.06	3.49		
Tahoe (floating pan)[1]					4.12	7.31	7.50	6.12	4.13				
Hawaii													
Hoseae (upper)	3.25	2.84	4.60	5.72	6.95	5.31	7.23	6.92	6.09	4.53	3.41	4.27	61.12
Maunawili	2.89	2.30	4.18	3.61	4.36	4.75	4.02	3.64	3.73				
Pahala												6.13	
Idaho													
Arrowrock				3.72	4.39	7.44	10.26	7.46	4.72				
Milner Dam				4.99	5.10	9.43	9.13	6.10	4.80	2.14			
Kansas													
Tribune				7.71	9.70	12.08	16.71	12.62	8.82				
Montana													
Agricultural College				4.78	7.36	7.97	7.81	6.65	4.96	2.13			
Malta					6.81	8.92	10.34	9.44	5.00				
Valier					5.31	7.91	9.85	9.48	4.63	1.95			
Nebraska													
Lincoln				6.00	7.41	10.48	14.33	9.08	8.55	6.47			
Nevada													
Lahontan			3.70	4.92	5.44			10.00	6.87	3.69			
Lamoille						8.26	10.39	7.13	5.88	2.92			
New Mexico													
Agricultural College	2.75	4.74	6.43	8.54	10.86	11.89	9.90	9.05	7.76	5.93	3.74	2.17	83.77
Elephant Butte Dam	2.51	4.37	6.23	9.75	11.71	12.01	9.58	9.10	8.09	6.37	3.05	1.78	84.56
Santa Fe	1.40	2.71	3.60	7.28	8.59	10.74	8.79	7.22	6.86	4.28	1.93	1.20	64.01
New York													
Albany					5.25	6.67	6.03	5.23	4.23	2.35			
Ithaca					3.87	4.98	5.30	4.47	3.05				
North Carolina													
Chapel Hill	1.55	2.06	3.02	3.63	4.82	5.18	6.28	5.26	3.99	3.82	1.85	1.33	42.79
Ohio													
Ohio State University				3.63	5.50	6.27	7.49	5.34	3.52				
Oregon													
Corvallis				2.81	3.83	5.22	7.18	6.44	3.25				
Warmspring				5.90	7.55	10.57	13.87	11.38	6.47				
Porto Rico													
San Juan	4.46	4.15	6.12	7.62	6.70	6.32	8.02	7.72	6.45	5.40	4.69	3.49	71.14
Texas													
Austin [2]	1.30	3.30	4.38	5.98	4.70	7.30	9.45	9.32	6.75	3.62	2.37	1.87	60.34
Dilley	1.88	4.66	5.49	7.50	5.93	7.57	10.54			4.82	2.49	2.25	
Utah													
Myton					5.84	11.14	9.29	6.74	4.93				
Piute Dam					8.26	11.54	10.31	8.31	7.16	3.81			
Salt Lake Airport				7.00	8.60	12.34	14.53	9.92	8.84	3.71			
Sevier Bridge Dam						14.40	15.45	9.47					
Utah Lake				5.99	7.10	10.94	11.02	7.29	5.96	3.09			
Virgin Islands													
St. Croix	4.16	4.49	6.07	6.95	6.11	6.60	7.19			6.15	5.66	4.52	
Washington													
Lake Kachess					3.01	3.63	6.59	5.22	2.64				
Walla Walla			3.19	4.45	5.40	7.25	11.50	9.41	5.60	1.58			
West Virginia													
Clarksburg				4.42	5.92	6.61	8.77	6.09	4.97	2.13			

[1] Low water around pan usually; at times surrounded by dry ground.
[2] Land pan at Hill's Ranch until June 4; presented as record of a single station.