UNITED STATES DEPARTMENT OF AGRICULTURE
WEATHER BUREAU

REPORT

OF THE

CHIEF OF THE WEATHER BUREAU

1928-29

QC
983
.U49
1928-1929
c.2

LIBRARY
JAN 16 1930
50777
WEATHER BUREAU

UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON : 1930

LIBRARY
N.O.A.A.
U S Dept of Commerce

National Oceanic and Atmospheric Administration

Climate Database Modernization Program

ERRATA NOTICE

One or more conditions of the original document may affect the quality of the image, such as:

Discolored pages
Faded or light ink
Binding intrudes into the text

This document has been imaged through the NOAA Climate Database Modernization Program. To view the original document, please contact the NOAA Central Library in Silver Spring, MD at (301) 713-2607 x124 or www.reference@nodc.noaa.gov.

LASON
Imaging Subcontractor
12200 Kiln Court
Beltsville, MD 20704-1387
March 28, 2002

AN ACT Providing for the public printing and binding and distribution of public documents

SEC. 73. Extra copies of documents and reports shall be printed promptly and when the same shall be ready for publication, and shall be bound in paper or cloth, as directed by the Joint Committee on Printing, and shall be of the number following in addition to the usual number:

* * * * * * * * *

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

LETTER OF TRANSMITTAL

UNITED STATES DEPARTMENT OF AGRICULTURE,
WEATHER BUREAU,
Washington, D. C., September 3, 1929.

SIR: I have the honor to submit herewith a report of the operations of the Weather Bureau during the fiscal year ended June 30, 1929.

Respectfully,

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

Hon. ARTHUR M. HYDE,
Secretary of Agriculture.

CENTRAL LIBRARY
6009 EXECUTIVE BLVD
ROCKVILLE, MD 20852

N.O.A.A.
U.S. Dept. of Commerce

Blank page retained for pagination

CONTENTS

	Page
Part I.—Administrative report	1
Aeronautical meteorology	3
Weather reports at sea	4
Frost and fire-weather warnings	4
Part II.—General summary of the weather conditions in the United States, by months, during the year 1928	5
Tornadoes, 1928	13
Hail, 1928	30
Losses from windstorms, 1928	30
Annual summary, Canadian stations, 1928	32
Charts of temperature, precipitation, tornadoes, and hail, 1928	Face 32
List of observing stations and changes therein during 1928	33
Sunshine, 1928	41
Details of excessive rainfall, 1928	48
Part III.—Climatology: Monthly and annual meteorological summaries, 1928	65
Part IV.—Climatology: Monthly and annual amounts of precipitation, 1928	171
Monthly and seasonal snowfall, 1928–29	224
Monthly and annual amounts of evaporation, 1928	250

Blank page retained for pagination

PART I

ADMINISTRATIVE REPORT

Blank page retained for pagination

REPORT

OF THE

CHIEF OF THE WEATHER BUREAU

Conforming to the abridged plan recently followed, this report will briefly discuss only a few leading features in which the activities of the bureau made more striking progress or expansion.

AERONAUTICAL METEOROLOGY

The public is well acquainted with the rapid and widespread practical use of aircraft for mail, freight, and passenger transportation, and even private flying, including military training and maneuvers. The law charges the Weather Bureau with giving weather information and forecasts to pilots through cooperation with the Department of Commerce.

It is highly important that all aviation interests understand just how the air commerce act works out in practice. A great many cities, large and small, have already set about developing what we may now call local airports, either privately owned and operated, or under municipal control. New cities are being added to the lists almost daily. These localities need and expect adequate weather service, and it is the policy of the bureau to supply the same as far as possible. Its appropriations, however, are always made to put into operation a definite program of work laid out several months in advance and for airways and airports designated by the Department of Commerce as official. Manifestly, the bureau has no special funds that can be diverted to outside activities. The case is further complicated by the utilization in the same metropolitan area of two or more airports which, in the meteorological sense, are closely contiguous. One of these is often the official airport, and sometimes questions of rivalry and competition are factors with which the Weather Bureau must deal in its desire to render its service equally and impartially to all.

Its basic policy is to station at each official airport a sufficient staff of trained personnel to give continuous weather advices to all pilots during the entire 24 hours of each day, if the flying schedules so require and previous plans and appropriations have provided therefor.

In those cases where extra service, especially at contiguous unofficial airports and those in cities at which regular Weather Bureau stations are not maintained, is desired, it is obviously impossible, without funds, to supply any service except that issued through the regular public channels of the press and scheduled broadcasts.

The bureau is always glad, however, to give consideration to special situations, and occasionally some arrangements can be made to meet peculiar situations. The cooperation of the transport and aviation interests is earnestly solicited by the bureau to realize as full and complete utilization of those official airports and the facilities as they are maintained by the Government, rather than to plan for great multiplication of places where nearly identical information is desired. Both night and day flying are now becoming more general, and the need for 24-hour service greatly increases the number of trained personnel required, as well as the costs. From the very nature of the situation it is difficult to render service as rapidly and widely as aviation itself advances.

It is gratifying to mention that substantial increases in appropriations were made by the last Congress to put into effect plans for an extended program of night and day service over the transcontinental airway from New York to San Francisco and Los Angeles. Within a zone of nearly 300 miles transverse width, weather observations will be made at intervals of every three hours. Carrying out the details of this plan belongs to the next fiscal year and will then be reported.

WEATHER REPORTS AT SEA

Mention was made in the previous annual report of the concerted international movement to add a systematic network of ocean stations by means of selected ships traversing the high seas. The principal maritime nations are obligated under this informal understanding to enlist selected ships, each of its own registry, to make at least two set observations daily while at sea and report to designated coast stations by radio. Such reports are added to the lists of stations included in the daily intercontinental and international exchanges of weather reports, thus aiding to fill in to a certain extent the wide gaps which have heretofore prevailed in weather maps over ocean expanses.

Approximately 50 ships are now making daily reports when actually at sea on the North Atlantic Ocean, alone. A lesser number are cooperating on the Pacific. These do not include a special group of coastwise ships and others traversing the Gulf of Mexico and Caribbean Sea, which report only during the hurricane season from June to November.

To secure a satisfactory widespread distribution of sea reports, it is obvious many ships must be enlisted since many are constantly in port.

FROST AND FIRE-WEATHER WARNINGS

Among the older and well-established services of the bureau must be mentioned that of frost warnings in aid of the citrus and horticultural interests. Great economic savings by the artificial heating of orchards have now been completely demonstrated to be possible, and plans for extending this activity to certain new localities during the next season are being made.

A similar statement can be made concerning the economic value of the fire-weather warning service of the bureau. This has been particularly well organized over the northern and western portions of the States and awaits funds to extend equal service to the South and East.

Following the national awakening to the economic challenge involved in the great floods of the Mississippi River, and the inauguration of great flood relief and protection work, the Weather Bureau, which is charged by law with the issue of flood warnings and the gaging and reporting of rivers, is planning a careful survey of its river and flood work and the refinement, as far as possible, of its forecasting system.

PART II

GENERAL SUMMARY OF THE WEATHER CONDITIONS IN THE UNITED STATES DURING THE YEAR 1928, WITH CHARTS

LIST OF OBSERVING STATIONS AND CHANGES THEREIN DURING 1928

SUNSHINE, 1928

DETAILS OF EXCESSIVE PRECIPITATION, 1928

Blank page retained for pagination

REVIEW OF THE WEATHER CONDITIONS DURING THE YEAR 1928

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

The outstanding events of the year from the weather standpoint were the severe hurricanes of August and September that visited the southeastern sections.

In August two such storms occurred, bringing high winds, heavy rains, serious floods, and much property and crop damage over many of the Southeastern States. That of September reached the Florida coast on the 16th, moving from Porto Rico and vicinity, where it was probably the most disastrous storm of such character within the past hundred years. Over Florida it affected a territory slightly to northward of that which had suffered so much from the storm of September, 1926, and owing to the action of the winds on the waters of Lake Okeechobee caused the death, by drowning or otherwise, of about 1,800 people, making this the greatest disaster as far as the loss of life was concerned since the hurricane at Galveston, Tex., in September, 1900. Damage to property from this storm was very great in Florida and also over near-by States to the northeast.

As a result of the storms of August and September the precipitation over the States or portions of the States affected was in many instances the greatest of record for the two months.

Other important events of the year were the coolness of April over many districts and the unusual snowfalls for the same month in certain areas.

The year was, on the whole, one of moderate temperatures over most districts and no drought threatened any large portion of the great food-producing areas.

JANUARY

The opening month of 1928 was, during the greater part, less cold than normally, while the precipitation was scanty. On New Year's Day the heart of the country was under the influence of a severe cold wave, which soon extended to the Atlantic coast, with especially marked severity for the latitude in southeastern districts. Rather mild weather for the time of year had reached most districts by the 7th, but in the Southeast it was not mild till about the beginning of the middle decade. In the far West cold weather set in about the middle of the month, but the final week there was mainly warmer than normal, while east of the Rocky Mountain States mild weather was the rule through the middle decade and well into the last, though the final week was mainly colder than normal.

The average temperatures of the month were above normal in most sections, particularly in the northern half of the Great Plains, where most stations reported excesses from 6° to 11°. In New York and New England the excesses were rather large; likewise in part of southern California, where Los Angeles reported the warmest January of record.

In western Washington, where the month's precipitation approached the large normal quantity, the chief falls occurred during the first 12 days. On the other hand, northern California had most of its precipitation during the final decade, and had far less than normal, while southern California had none of much consequence at any time. In the Southeast the chief rain came late in the opening decade, but the rest of the country east of the Mississippi River had somewhat better distribution in point of time, though considerably more fell after the middle of the month than before.

While snow actually fell over most of the country, yet the amounts were mainly very much less than the average January quantities, notably in the Central States. On the other hand, the vicinity of Lake Superior and the northern parts of New York and New England had fairly large falls, and one heavy snowstorm just before the month ended affected a district from northeastern Virginia to New Jersey. In most of the elevated portions of the far West the month added discouragingly little snow toward the supply of the summer stream flow.

FEBRUARY

February, like January which had just preceded, was milder than normal in most of the States. It was the tenth February among the 11 from 1918 to the present to average warmer than normal over the greater part of the country. The precipitation of the month was better distributed than that of January had been; also was not so scanty, yet for more than half of the country it was deficient.

Between the Rocky Mountain Divide and the Appalachians, likewise in most parts of the Middle and South Atlantic States and in Pacific coast districts, the first half of the month was warmer than normal, and over the Missouri and upper Mississippi Valleys decidedly so. However, the Rio Grande Basin was mainly cooler than normal after the opening week. From the middle of the month to the end those regions just named were usually cooler than normal, save that near the Pacific there was scarcely any period cooler than normal, and that in the Dakotas and near-by areas the warmth continued to prevail after the middle of the month till about the 20th. The Rocky Mountain and Plateau regions were largely cooler than normal, save during the opening week, while the northeasternmost part of the country was cool during the first few days, then experienced a mild fortnight, which was followed by much decidedly cold weather during the last 10 days of the month.

The month, as a whole, was decidedly warmer than normal over the Missouri and upper Mississippi Valleys, and practically all other central and northern districts averaged warmer than normal, as did more than half of Texas and nearly all of Florida. The majority of the more southern areas averaged a little cooler than normal.

The first week brought important rains to the region of the central valleys and most districts to southward as far as the middle and west Gulf coasts, and this week was the rainiest period of the month for the Pacific coast districts. The second week had precipitation well distributed over the eastern half of the country, mainly of moderate amount. The last half of the month brought moderate to locally heavy rain or snow to many parts of the Lake region and to nearly all parts of the Atlantic and Gulf States as far west as central Texas.

The month's precipitation was much below normal in the far Northwest and was nearly everywhere somewhat below to northwestward of a line from southern California to Lake Superior. Also a marked deficiency occurred in Arkansas and the area from the Ohio River southward to the central parts of Alabama and Mississippi. Usually there was more than normal from the Mexican border northeastward to the southern part of the Lake region, and also in Atlantic and Gulf districts, particularly in the eastern parts of the Carolinas and Georgia and from northwestern Florida to central Texas.

Snow occurred during February over most portions of the country, but the amounts were usually less than normal, as they had been during January preceding.

MARCH

The month was not very remarkable as to its weather features, being less stormy and less marked by quick changes than the average March. Until very near the middle of the month temperatures above normal were the rule in the Mississippi Valley and everywhere to westward; meanwhile the eastern districts had more cool days, the northeastern portion especially being colder than normal during most of this period. The middle and latter portions of the second decade, though warm to westward of the Rockies and in the upper Missouri Valley, were cool almost everywhere else save along the immediate Atlantic coast. The final decade was mainly like the first part of the month, the weather being mostly warmer than normal, especially in the Missouri Valley.

Like the preceding months of 1928, March was mainly warm over the western two-thirds of the country, and near normal, on the whole, over the eastern third.

In the far Northwest there was considerable precipitation about the 10th, particularly in the north Pacific region; then during the final decade of the month, chiefly about the 25th to 27th, there was widespread precipitation of mainly large quantity in the Pacific States, save southern California, and in most of Nevada and southern Idaho. From Louisiana to southeastern Georgia considerable rain came during nearly every week, with notably large amounts in much of Alabama, Georgia, and northern Florida during the second week of the month. Except as just stated, the majority of the eastern and south-central portions of the country received their most important precipitation during the third week, and at this time the middle Rocky Mountain region and west-central Plains had abundant snowfall that was of vast benefit to small grains.

The month's precipitation was considerably above normal in the Pacific States, save the very southernmost portion, and in the northern and middle Plateau region; likewise in a limited portion of the Southeast. In most of the Ohio Valley and of the middle and lower Mississippi Valley there was considerable deficiency, and much of this area had received only scanty supplies of moisture during February preceding. Near the Mexican border there was a marked deficiency, many districts receiving no precipitation at all. The north-central portion received far less than normal, and also many Atlantic coast districts from North Carolina to Maine. Otherwise the precipitation was mainly sufficient for present needs.

Snow fell widely, but over a great part of the area affected the falls were of little consequence. Much of the Northeast, the greater part of Michigan, and the central Plains had heavy falls.

APRIL

April of 1928 brought a marked reversal of conditions from those of March, being cooler than normal and mainly wet. East of the Rocky Mountain States the low temperatures and wetness were especially noteworthy. Much of the first decade, however, was milder than normal to eastward of the Mississippi River and near the Pacific coast, and the first few days in the heart of the country.

During the middle portion of the month and well into the final decade unseasonably cold weather was widespread, the Plains States and middle and upper Mississippi Valley being most affected, while a few districts were at times warmer than normal, especially southern California and adjoining areas. The final week of the month, while cool in the East, was quite warm in the western half, particularly in the northern Rocky Mountain States and the middle Plateau region.

While the month averaged only slightly cooler than normal in California and Arizona, yet in most States the negative departure was large, being more than 5° in Wisconsin, Minnesota, and North Dakota. There were but few States where the month came within 2° of the coldest April of record, though in the west Gulf States it was within a fraction of a degree of being actually the coldest.

The first decade was mainly a period of little precipitation, save in the middle and lower Mississippi Valley and part of the southern Plains. During the middle third of the month and the first part of the final third the precipitation over the eastern half of the country was mainly ample and well distributed, except from Arkansas and adjacent districts eastward and southeastward to the Carolinas, Georgia, and the northern two-thirds of Florida the rains were excessive. The closing week had mostly little precipitation, except that from the southern Appalachians eastward and northeastward there were moderate to fairly large amounts.

The monthly precipitation was above normal over most districts from central Kansas, central Oklahoma, and northeastern Texas eastward to the Atlantic, and over most of the upper Ohio Valley and the Northeast. In Florida, Georgia, and South Carolina it was the wettest April of record and in Alabama almost the wettest. In much of the Lake region and a small part of the upper Mississippi Valley the amounts were more than normal; also quite notably in western Washington and Oregon and parts of northern California.

A marked shortage of precipitation occurred from Arizona and southern California northeastward to the northern half of the Plains, the month being the driest April of record in Nebraska and Wyoming. Most of New Mexico and western and southern Texas had far less than normal, and also parts of southern Florida.

For so late in spring, the snowfall was widespread and some storms were quite important. In the middle Missouri and upper Mississippi Valleys a damaging storm occurred about the 6th to 8th, while from southern Minnesota to the shore of Lake Superior this storm gave large amounts of snow and was followed by another shortly before the middle of the month. An unusually heavy snowfall came to the central Appalachian region just before the end of the month.

MAY

May was comparatively free from noteworthy weather happenings, the most interesting feature being probably the very marked warming up from April over the middle and western portions of the country.

For May, as a whole, the portions from the western Lake region and the Mississippi River westward averaged warmer than normal, save Louisiana and southern Texas. In the interior of the Pacific States, Nevada, and northern districts from Idaho to Minnesota the departures were large, some stations recording it as the warmest May of record. In the eastern third of the country, with all the Ohio and almost all the lower Mississippi Valleys, the month averaged somewhat cooler than normal.

During the first half of the month the rainfall was scanty over considerable portions of the eastern half, notably the central valleys, the Lake region, and the Northeast, but there were important rains in part of the south Atlantic area and in most of the west Gulf and the southern and middle Plains and Rocky Mountain regions. For the eastern two-thirds of the country the third week was usually the rainiest portion of the month, though a great many districts east of the Mississippi River had considerable amounts during the fourth week.

In Arizona, the average fall was above normal, and there were positive departures likewise in Utah, Colorado, and New Mexico, and again in the Southeast, in Tennessee, Georgia, and the Carolinas. Elsewhere there was mainly a deficiency, especially in the far Northwest and thence eastward along the northern border as far as Lake Superior. Fairly large deficiencies occurred in most of Iowa, Missouri, and Illinois, and of the lower Lake region, upper Ohio Valley, and Middle Atlantic States. Mainly there was enough moisture for present needs of crops save in some northern districts between the upper Lakes and the Pacific coast.

JUNE

The temperature conditions varied less than usual from week to week, but abnormally low temperatures were most notable from the middle and upper Mississippi Valley eastward during the first decade and in the northern Plains and adjacent areas about the 20th. Unusual warmth prevailed in the far Southwest early in the month, in the northern Pacific and northern Plateau regions during the first part of the last decade, and in most of the Rio Grande Valley on the last days of the month.

Near the Mexican border and near the Pacific coast the month averaged a little warmer than normal, but practically everywhere else cooler than normal, almost all the Missouri, Mississippi, and Ohio Valleys, and part of the Lake region averaging from 3° to 7° cooler than normal. In several Central and Rocky Mountain States the month was the coolest June, or almost the coolest, during the period of the state-wide records.

The rainfall of the month was rather well distributed in point of time, but the first few days were marked by heavy falls in a belt reaching from northeastern Colorado and southwestern Nebraska to the southern Appalachians, and in large portions of the Gulf States, particularly Alabama and Mississippi. Then from somewhat before the middle of the month on to the middle of the last decade there was much rain over the central valleys and most of Florida; also from about the 21st onward over the middle and southern Appalachian regions.

The monthly amounts of precipitation were large over the northern half of the Middle Atlantic States, and thence southwestward over the entire Ohio River drainage area and practically throughout the middle and lower Mississippi Valley and the middle and east Gulf States; likewise northeastern Texas and much of Oklahoma had large amounts, with nearly all of Kansas and portions of the States adjoining. In the four States of Missouri, Kentucky, Tennessee, and Alabama the State averages were greater than 10 inches, and in Pennsylvania, West Virginia, Kentucky, Tennessee, Louisiana, and Arkansas this was the wettest June shown by the records of many years, while in Missouri it was the wettest month of any name.

Over the rest of the country east of the Plateau States the rainfall was sufficient and mainly above normal, save in New Mexico and parts of western Texas where the amounts were small. The Plateau and Pacific States had nearly throughout less rain than normal.

JULY

It is not often that a month holds as close to normal over all parts of the country as did July, 1928. A long spell of heat in the far Northwest late in the month was the most outstanding feature.

The first decade was mainly a little warmer than normal from the Rocky Mountains eastward, while afterward this portion of the country showed no marked tendency to depart from average July conditions till the final week, which was mostly cooler than normal. The middle and final portions of the month in the western third of the country were mainly warmer than normal, and the final decade was marked by unusual heat over Idaho, western Montana, and most portions of Oregon and Washington, save the Pacific coast.

The month averaged moderately above normal temperature in the far Northwest, and somewhat above over most of the Southwest, in the Northeastern States, near Lake Erie, and in a few other areas. The averages were below normal by small amounts over most other areas.

In the far Northwest the rains that occurred were mainly during the early portion of the month, but in Arizona, New Mexico, and adjacent areas there was not much rain, save about the 20th. Similarly it was about the 20th that the most important rains were received from the Black Hills region eastward to northern Illinois and vicinity, while the Southeast, as a whole, had the greater part of its rain before the middle of the month. Mainly the eastern two-thirds of the country had a favorable distribution of its rain in matter of time.

Most of the country received enough rain for crop needs, but in general the northern half had more rain than normal while the southern half had less. Within the northern half especially large amounts fell in a strip from eastern Montana to the western part of the Lake Superior area, also in southwestern Iowa and near the Nebraska-Kansas boundary; while lower Michigan and southeastern Wisconsin had considerable deficiencies. As for the southern half, large amounts were received over most of the western half of the Florida Peninsula, over a strip from southeastern Mississippi to eastern North Carolina, and large amounts compared with the normal over northwestern Texas. Especially light amounts were reported from southern Texas, from the Ozark Mountain region and western Tennessee, and from the western half of North Carolina.

AUGUST

August was mainly warm and rainy, though the rainfall was not well distributed. The heat was not especially severe at any time, though the northern Plains and adjacent areas

were considerably warmer than normal during the second week of the month. The temperatures tended to be above normal in most sections, though the western half of the country was mainly cooler than normal during the first week, and again during the final decade most districts in the central and western thirds of the country had several days cooler than normal.

Between the 7th and the 18th the South Atlantic and parts of the Middle Atlantic States were affected by two important storms of tropical origin, which caused excessive rains nearly everywhere from southern Florida northward to the upper course of the Potomac River and the southeastern part of Pennsylvania; considerable areas just west of the Appalachian Divide were affected by the downpours, but mainly near the coast from Delaware Bay to southeastern North Carolina the falls were light. Large portions of Missouri, Iowa, Minnesota, and Wisconsin received fairly heavy rains at different times during the month. Portions of western Texas and southeastern New Mexico had more rain than the normal, and the northeastern part of the country had mainly more than August usually brings. In Iowa, Georgia, South Carolina, middle and western North Carolina, and the central portions of Virginia and Maryland the month was either the wettest August or very nearly the wettest shown by all records.

East of the Mississippi River scarcely any area had a shortage of real consequence, but west of it there was but little rain in northern Louisiana and eastern and central Texas and near the lower Rio Grande. Likewise, Nebraska and southern Wyoming had much less than normal and the middle and northern Plateau region and the Pacific Northwest received but a small fraction of the normal August quantity.

SEPTEMBER

The leading feature in September's weather was the disastrous hurricane from the Tropics, which caused a greater loss of life in the United States proper than had resulted from any previous single storm since the twentieth century started. The month as a whole was cool, save in the far West, and it was dry with a few exceptions in those regions away from the eastern coast.

The opening decade of September was mainly somewhat cooler than normal, except in Colorado and vicinity and in the far Southwest. The period from the 11th to the 18th was warmer than normal for almost all portions, especially from the southern Plains northeastward to the Middle Atlantic States. The last 12 days of the month were mainly warm from the Rocky Mountains westward, but were cool for the season practically everywhere east of the Rockies, particularly from the central valleys eastward and northeastward.

The month averaged a little warmer than normal in most of the far West, but on the immediate Pacific coast was practically normal, as was the case in the Florida Peninsula. From central Montana and the Plains States eastward the month averaged cooler than normal, especially in a belt from Arkansas, Missouri, and Iowa to near the Atlantic coast in Virginia, Maryland, and Pennsylvania, where the deficiency averaged about 4° to 5° per day.

Most of the Atlantic States, especially from Florida to New Jersey, received heavy rains during the early portion of the month and again just after the middle when the hurricane visited them. It was about the middle of the month that considerable rains fell in several north-central portions, especially from central Missouri northeastward to the shores of Lake Superior, and about this time the most important rains of the month reached the immediate north Pacific coast, though they were not notably heavy for the region and the time of year. About the 22d notable rains fell widely near the middle and west Gulf coast and in south-central and southwestern Texas, the falls being especially heavy along the south Texas coast.

Most Atlantic Coast States had more rain than normal during September, though from New Jersey northeastward many interior stations reported deficiencies. On the other hand, the eastern halves of the Carolinas received from two to five times the monthly normal quantities, the average amount over North Carolina being greater than ever before in September and over South Carolina almost a new record. In the Florida Peninsula likewise the rainfall was very heavy, and here the wind during the hurricane was especially felt, most of the losses of property and especially of life occurring here. West of the Appalachians rainfall greater than normal was received in portions of the Lake region and the upper Mississippi and lower Missouri Valleys, and over most of southern half of Texas. The central and western portions of the country had mainly decided shortages of rainfall, notably a belt from the lower Ohio Valley, central Tennessee, and northwestern Alabama westward to Oklahoma and northern Texas. Likewise most areas near or to westward of the Rocky Mountain Divide had very little rain or none.

OCTOBER

October was a month of rather quiet fall weather and during most portions the temperature was above normal over the greater part of the country, the chief exceptions being about

the 10th to 17th from the Rocky Mountain States westward, and during part of this period also in the upper and middle Missouri and upper Mississippi Valleys, and during the final week in California, and over all districts east of the Mississippi River, and in the northern districts between that river and the Rocky Mountains. This later cool spell reached the southern Plains on the 28th or 29th, and lasted there until the end of the month.

In Montana and California the monthly average was about a degree cooler than normal, but in many other districts near the northern border and the Pacific coast, also in most of Wyoming, the month averaged slightly cooler than normal. Otherwise, October was warmer than normal, especially from the southern Plains eastward and northeastward to the southern Appalachians and the middle Ohio Valley. In Oklahoma the month averaged 5° warmer than normal, and was indicated as the warmest October in nearly 40 years of state-wide record.

The rainfall of the month was rather well distributed in point of time, though somewhat more fell, for the country as a whole, during the middle decade and the first days of the final decade than at other periods. Over the States the distribution was decidedly favorable, the Atlantic States, where September had been so wet, receiving nearly everywhere less than normal in October, while the great central portion of the country received a moderate excess in October to counteract the effects of its September shortage. However, from California and Oregon northeastward to Montana and North Dakota the precipitation shortage of September was followed by a further shortage in October, California in the latter month averaging less than a third of the normal quantity.

The snowfall of the month was mainly scanty in the districts where moderate falls often occur during this month, and this was especially the case from Iowa and Minnesota eastward. On the other hand, considerable snow fell over the middle and northern Rocky Mountain area and thence eastward over large parts of Kansas, Nebraska, and South Dakota.

The killing frosts which occurred in October were usually of later date than the average and scarcely any crop damage resulted.

NOVEMBER

Like the month preceding, November was inclined to be mild, notably the middle portion. Especially remarkable was the unseasonably heavy precipitation from the central Rocky Mountain area eastward to just east of the Mississippi River.

The first few days were mainly cool, save in the Northeastern and far Western States, but the second week was mainly mild, save in some southeastern and south-central areas. The third week continued mild east of the Rocky Mountains, but west of them colder weather prevailed, and the final decade was marked by decided changes, but was largely cold over the eastern half and in the far Northwest.

The month averaged quite a little warmer than normal nearly everywhere in the more northern States, particularly from the upper Lakes to central Montana, and the mid-latitudes of the country were mainly somewhat warmer than normal. However, the month averaged slightly cooler than normal in some interior parts of the Pacific States, in the middle Rocky Mountain area, and in substantially all southern portions from Arizona to the south Atlantic coast.

From the Rocky Mountains eastward there was precipitation of moderate or marked importance over most areas during the first few days and again just before the end, but the most notable falls came about the middle and onward to the end of the middle decade, and the portions where they were particularly heavy were Oklahoma, eastern Kansas, and a belt thence northeastward to northern Indiana and southern Michigan, and a smaller strip, where amounts were usually not so great, from the middle Gulf coast northeastward to West Virginia. In the far West the chief precipitation period was from the 8th to the 15th, but the northern portions received other amounts of less account during the first four days of the month and again during the final few days.

The precipitation of November was very unevenly distributed. Most of the Lake region and Ohio Valley received more than the normal amount, while emphatically heavy falls were received in most of the lower Missouri Valley and considerable parts of the middle Mississippi Valley and the southern Plains. The coast regions of Texas had rather large amounts, and likewise much of Louisiana, but most other parts of the South had deficiencies, the South Atlantic States, save a few districts, having marked deficiencies. In the western third of the country there was more than normal precipitation in the middle Rocky Mountain region, northern New Mexico, and most of Utah; likewise in most of California. Deficiencies prevailed from the northern Rocky Mountains eastward to the northern upper Lakes and in nearly all districts from Virginia to Maine.

No heavy snows occurred save there was considerable in most of Colorado and large portions of the States adjoining, in the higher elevations of California, and in a few other areas. Much of the Texas Panhandle had unusually heavy falls about the middle of the month.

DECEMBER

The last month of 1928 was, on the whole, a mild month, and the precipitation was more irregularly distributed than usual during the cold season.

The opening decade was mostly cold from the northern and middle Plateau region southeastward to the central valleys and the interior parts of the Gulf States, but was generally mild in the Dakotas and Minnesota and likewise in the far Southwest. About the middle especially mild weather prevailed nearly everywhere east of the Rocky Mountains, but there followed about a week of weather colder than normal in central and southern portions, and in the Florida Peninsula the low temperatures lasted to almost the close of the month. Meantime the far West was mostly cooler than normal until the closing week.

The month averaged warmer than normal where November had been warm, with few exceptions. The country from the Rocky Mountains eastward, save the Rio Grande Valley, the Gulf coast districts, and portions of the South Atlantic States, was warmer than normal, and the upper Mississippi Valley, with most of the Missouri Valley, was from 5° to 9° per day warmer. The month averaged colder than normal in the Rocky Mountains and to westward, notably in northern Utah and districts adjacent.

The opening decade brought moderate precipitation to most portions of the Pacific States, to a large part of Texas, and to some Atlantic coast districts. About the middle there occurred much rain in eastern Texas and the lower and middle Mississippi Valley, and considerable in much of the Ohio Valley and the southwestern part of the Lake region; also the coast portion of California and a few scattered areas had moderate amounts. The final fortnight was, for nearly all the country, a period without important precipitation.

From southern Texas northward to southeastern Kansas and thence northeastward to the vicinity of southern Lake Michigan the month's precipitation was more than normal, a few Texas districts reporting more than three times the normal quantities. To eastward of this strip there was decided variation, but most districts had considerably less than normal, the amounts being especially small near the Appalachian crest. From South Dakota and southern Minnesota southwestward to the upper Rio Grande Valley the monthly amounts were again but a small part of the average for December; while the northern and far western regions had mainly less than normal.

The December snowfall was lighter than normal nearly everywhere between the western Plains and the Atlantic coast. In parts of the Rocky Mountain region and in much of the extreme Northwest there was a seasonable amount of snow, but the higher elevations of California and the Southwest generally had accumulated but little snow by the end of the month.

TORNADOES, 1928

The tornadoes of 1928 are individually described in the paragraphs following, in which the forty-odd sections of the Climatological Service, almost always equivalent to States, are taken up alphabetically, then the tornadoes which occurred within their limits in chronological sequence. The Monthly Weather Review and the monthly section reports entitled "Climatological Data" printed accounts of important ones, and almost all were mentioned in the Review's table, "Severe local storms," which lists many kinds of storms besides tornadoes; however, in a few cases the information came too late for such mention, while in other cases, though the storm was listed, additional information has led to a change in the classification which the table indicated.

During 1928 there were more tornadoes than in any other recent year, 203 being noted, as contrasted with 164 in 1927, and 111 in 1926.

The month of June included over one-third of the year's tornadoes, having 71. July came next to June in the count, with 25.

February was the one month of 1928 during which no tornado came to notice. There was a local storm in Kansas, on February 6, which showed some features of a tornado, but finally was considered a nontornadic storm.

The count by months shows: January, 5; March, 7; April, 24; May, 21; June, 71; July, 25; August, 23; September, 13; October, 5; November, 5; December, 4.

June 12 led other days of the year in number of tornadoes, 12 being noted, while another was reported as occurring about midnight of the 11th–12th, and three others on the 11th, making 16 within 48 hours.

On April 4 a group of seven distinct tornadoes occurred in a belt from Texas and Arkansas northeastward and northward to Iowa. Later in the same month, on the night of the 20th to 21st, within about seven hours, there were eight tornadoes in northern Texas, southwestern Arkansas, and western Tennessee.

During the second half of the year, one of the most notable groups occurred on the night of July 1–2, when there were seven tornadoes in the Dakotas, Minnesota, and western Wisconsin.

All 13 September tornadoes occurred on the 13th or 14th. The tornado of the 14th at Rockford, Ill., was the most serious of the year for loss of life, 14, and save one June tornado in Oklahoma, the most destructive of property during 1928.

The loss of life from the tornadoes of 1928 was 92, which is the smallest total among the 13 years, 1916 to 1928. In 1923, however, only 109 deaths resulted from tornadoes. The month of February included no tornado, and in October no deaths resulted from any of the five tornadoes. The fatalities of the tornadoes of the other months were as follows: January, 4; March, 15; April, 5; May, 4; June, 16; July, 1; August, 18; September, 22; November, 3; December, 4.

In Illinois 14 lives were taken by tornadoes; next among the States came Alabama, Georgia, and Iowa, with 8 each. In all, tornado deaths occurred in 20 States, and resulted from 35 of the 203 tornadoes of the year.

Of the 48 States, storms considered tornadoes occurred in 30 during 1928. The 7 States situated entirely west of the Continental Divide were without tornadoes, likewise Montana and New Mexico. The other 9 States without tornadoes were all east of the Mississippi River, 2 of them, West Virginia and Vermont, being interior States, while the other 7 are Atlantic Coast States, namely: Virginia, Delaware, New Jersey, Connecticut, Rhode Island, Massachusetts, and Maine.

In Iowa 45 tornadoes were reported; in Kansas, 26; in Texas, 19; and in Nebraska, 12. Neither the distribution by months nor the distribution by States for a single year should be taken as the usual situation, since experience shows that there is much variation in these matters from year to year.

The property losses that were reported from the tornadoes (crop losses being included) were probably much less than the true losses, for it is seldom feasible to secure estimates for every part of a long track, and often no estimate or none that is trustworthy can be obtained. The sum of the amounts reported is $13,235,600, which is less than one-third the amount for 1927, and considerably smaller than the amounts for 1925 and 1924. However, the 1928 sum is more than three times the total for the year 1926. Iowa reported the greatest aggregate among the States, $1,970,400, and Nebraska came next, with $1,826,000. Neither of these States reported a single million-dollar tornado, but such a tornado did occur in each of the other four States where aggregate amounts exceeded a million dollars—Oklahoma, Illinois, Minnesota, and Ohio.

Chart 5, as in preceding years, shows the tracks of those storms counted as tornadoes, the direction of advance being indicated by the arrowhead. When the reports secured did not indicate the direction, that which seemed most probable at the place and time has been marked. In every case the arrow is necessarily far broader than the actual width of the path of damage, drawn to scale; also in most cases it has been made too long for the true length of path, in order that it may be distinguishable.

Alabama.—Three tornadoes were reported during March, causing several fatalities, but not very great losses of property. Two of these occurred on the 15th in the southwestern part of the State. One of them struck near Corley, Marengo County, at an hour not ascertained; the path was 100 yards wide and at least a mile long, the storm advancing to the northeastward. The damage was probably about $10,000, and three deaths resulted. The other tornado occurred at Whatley, Clarke County, which is 45 miles to the south-southwestward of Corley, at 11:55 p. m., and the track was only 100 feet wide and three-fourths mile or less long, the tornado traveling northeastward. While the property loss was estimated as $20,000, yet but one person suffered as much as a slight injury.

On March 29, starting about 6:30 p. m., a tornado swept part of Jefferson County, many miles northeast of Birmingham, from Camp Cosby to Clay and thence to Argo, the track of about 8 miles' length showing much variation in width and in direction, though the advance was eastward, on the whole. The reports indicated that five persons were killed by the tornado and that the damage totaled $35,000.

On August 19, during the latter part of the afternoon, a vigorous thunderstorm passed over Montgomery and vicinity. In the southwestern suburbs a short and narrow strip was swept by a particularly violent wind; the reports of some eyewitnesses suggest that a small tornado may have occurred here, but the information on this point is not conclusive, and no tornado is counted. Instead the damage is placed in the table of losses from windstorms other than tornadoes, which is printed on page 31.

Alaska.—No tornadoes reported.

Arizona.—No tornadoes reported.

Arkansas.—Five tornadoes are indicated as having occurred during 1928, all of them within the western third of the State. On April 4, when Iowa, Missouri, Oklahoma, and Texas experienced tornadoes, two places in the northwesternmost part of Arkansas reported tornado visits very definitely, the time at Lincoln, Washington County, being 5 p. m. and at Monte Ne, Benton County, 5:30 p. m. The width of track was stated as three-fourths of a mile (1,320 yards) at Lincoln, but at Monte Ne less, averaging 1,100 yards. The advance at each place was northeastward, and the latter place is situated 30 miles northeast of the former. Further havoc was reported near Vineygrove, Steele, and Springdale, which are located between the points previously named, and all was pretty surely the work of a single tornado. The losses reported were three lives, all at or near Lincoln, and property values of $66,000, mainly at Lincoln.

On April 13, at 7:30 p. m., a tornado of probably short path traveling eastward, hit Ola, Yell County, in the west-central portion of the State. The width of the path was reported as 350 yards, and no deaths, but a few injuries, with $10,000 damage, were reported.

On April 21, when numerous tornadoes occurred from Texas to western Tennessee, there was one in southwestern Arkansas, Ogden, in Little River County, being visited at 3:15 a. m. The advance was northeastward, with the path half a mile wide, and in Arkansas about 2 miles long, but this was almost surely the tornado which had started near Linden, Tex., and the total length of path was about 43 miles. Only one person was injured in Arkansas, but the tornado had caused one death in Texas; the damage was $40,000 in Arkansas, and in the whole course of the tornado $140,000.

On May 15, at 8 p. m., Lutherville, Johnson County, in the northwestern part of the State was visited by a hailstorm and intense wind, probably a tornado, advancing to southeastward. The tornado path was apparently a mile wide, but the length was not ascertained. There was considerable damage by the hail, but only rather minor damage by the wind, though a few persons suffered injuries from it.

On June 12, about 6:30 p. m., Scott, one of the western border counties, had a tornado, which traveled 12 miles toward the northeast, affecting Bates and Cauthron. The width of the track was but 100 yards, yet the losses were two lives and $10,000 of property.

California.—No tornadoes reported.

Colorado.—In the western section of Denver during the late afternoon of April 18 a narrow strip was swept by a wind of marked violence, with considerable damage. Though whirling motion was noted, yet it is judged that this disturbance had not enough energy to deserve the designation of tornado, so the damage is included in the table of losses from winds not tornadoes, on a later page.

A sparsely settled region about 4 miles south of Pueblo, Pueblo County, was visited about 1 p. m., May 16, by a tornado which moved southeastward approximately 5 miles. The damage was practically nothing.

Near the southeastern corner of the State, south of Campo, Baca County, a severe tornado traveled to the southeast about 4 p. m., June 8, with track about 1,000 yards wide. The length of track in Colorado, before the storm crossed the State boundary into Oklahoma, was probably at least 18 miles, and the losses in Colorado were two lives and property values of $11,000.

In Washington County, situated in the northeastern part of Colorado, two tornadoes on successive nights are reported, the one near Akron, with path 200 yards wide, occurring about 11 p. m., June 15, and the one near Thurman, nearly 40 miles south of Akron, with path 800 yards wide, about 8:30 p. m., the 16th. In neither case was the length of path or the direction of movement reported. While nobody was even injured, as far as known, the property losses reached $3,000 for the Akron storm and $2,500 for the Thurman storm.

Late in the same month, about 12:30 p. m., the 29th, one of the most disastrous tornadoes ever experienced in the State struck Johnstown, Weld County, about half way from Denver to the northern boundary. While this place is east of the mid-longitude of Colorado, it is about 40 miles west of the one hundred and fourth meridian; for at least many years no tornado had been reported in the State as causing loss of life, save in the part east of the one hundred and fourth meridian; that is, in the eastern two-sevenths of the State. This Johnstown tornado caused 3 deaths, 50 injuries, and destruction estimated at $250,000. The track was 7 miles long, and where widest nearly a mile wide, the direction taken being unreported.

A vigorous whirlwind during the afternoon of August 1 affected a very limited portion of Denver. While causing less havoc than the storm in the same city on April 18, mentioned above, it may be spoken of mainly in the same way.

Florida.—On March 17, about 12:10 a. m., a violent wind, probably a tornado, swept a strip 500 feet wide, parts of Lake Jem and Sorrento, in the eastern portion of Lake County, suffering. The path of havoc was apparently fully 8 miles long, and a corner of Orange County was very likely affected, as it lies between the places named. The advance was northeastward, and one death and damage amounting to $10,000 resulted from the storm.

On April 27 there was much wind damage at various places in the central portion of Florida, and it is possible there were tornadoes, one or more, but more likely there were none in the State that day.

Georgia.—In the northern part of the State, near Orange, Cherokee County, about 10:30 p. m., March 26, there was a severe windstorm, which wrecked several buildings and caused other damage, the total being estimated as $15,000. It is believed the storm traveled northeastward, but detailed information as to the track was not secured. Five persons lost their lives and several others were injured. It seems probable this storm was a tornado of small dimensions.

Three places in southern Georgia were visited April 23 by narrow-path storms, and it is thought there were three distinct tornadoes, rather likely all of short path and moving northeastward, save the Brunswick storm eastward. In Dooly County, a little north of Vienna, the time was not reported, but it is probable this was the earliest of the three. The width of track was irregular, but averaged 60 yards, and the property loss was $12,000. To southward 40 miles, Sylvester, Worth County, was hit about 4 a. m., a track 100 yards wide, and loss of $5,000 being reported. The hour at Brunswick, Glynn County, 145 miles east of Sylvester, was 10:30 a. m., the width of track 40 yards, and the loss $2,000. Not one of these places reported anyone even hurt.

Four days later, April 27, about 8 a. m., Waycross, Ware County, was struck by a similar tornado, advancing toward the northeast, with the path of marked havoc only 50 feet wide. The damage was $2,000, and again no personal injury came to notice. Waycross is between Sylvester and Brunswick, nearer the latter.

On May 22, at an hour unreported, a storm which was probably a tornado advanced northeastward, with path a few hundred yards wide and probably not long, causing loss of three lives and of property worth $2,000. The place was several miles south of Shellman, Randolph County, in southwestern Georgia.

Near the center of the State, at Milledgeville, Baldwin County, on June 5, at an afternoon hour not stated, a vigorous storm, apparently of short and narrow path and probably a small tornado, caused damage of $25,000, without harming anybody, as far as is known. It is likely this took a northeasterly course.

Hawaii.—No tornadoes reported.

Idaho.—No tornadoes reported.

Illinois.—On June 12, about 7:45 p. m., a tornado traveled northeastward about 10 miles, reaching the ground intermittently near Hillsdale, Rock Island County, and Erie, Whiteside County, in the northwestern portion of the State. The track was from 50 to 440 yards wide, and the damage was $2,500, without any person being hurt. Many tornadoes this day were reported from localities west of the Mississippi River, but none save this anywhere east of that river.

Another tornado without injury to a person, though the property loss was $6,000, occurred in the north-central portion, east of Minonk, Woodford County, at 5 p. m., July 21. The path was a mile long and 100 feet wide, the advance being reported as southeastward.

On August 20, when, as on June 12, several tornadoes struck in Iowa, west of the Mississippi River, northwestern Illinois again had one tornado, not far east of that river. This was at Shannon, Carroll County. The track was 2 miles long and 100 yards wide, the advance was northeastward, the hour was 9:30 p. m., the loss was reported as $10,000, and no personal injury was mentioned.

A few hours afterward, early on the 21st, a very local, intense windstorm caused damage of $300,000 at a steel plant in South Chicago, Cook County. While this possibly was a tornado, the information is not conclusive, so the loss is included in the table of losses from windstorms not tornadoes, on a later page.

On August 28, at 2:45 a. m., an intense storm of small size swept over Moline Airport and vicinity, in Rock Island County, northwestern part of Illinois. The cloud seemed to have the funnel form, and the havoc within the area affected was great, so it is thought this was a tornado. Steel-frame towers, a few buildings, and some crops suffered, the estimate being $13,000 for all, but no person was even injured. The movement of the storm was northeastward, and the wreckage was within a strip less than a mile long and but a few rods wide.

About 36 hours later, and not quite 100 miles to the east-southeastward, two places were visited, and the probability is that there was but one tornado, which either kept above ground between the places or caused no special harm there. It was about 1:30 p. m., August 29, that a short path was swept near Granville, Putnam County, the property loss being $1,000. To the east-northeast, about 16 miles, a locality east of Starved Rock, La Salle County, was hit about 3 p. m., the storm taking an easterly course with path a quarter of a mile wide and, for this portion, 4 miles long, so the total advance of the tornado may be reckoned as 20 miles.

No estimate was made of the La Salle County damage, but it was not very great, and in neither county was anybody reported as injured.

Once more, within a few hours after Iowa had suffered from several tornadoes, northern Illinois was struck, and this Illinois tornado proved the most disastrous for deaths anywhere in the country during 1928. It came on September 14, the time being noted as 3:22 p. m. at the chair factory in Rockford where the damage was greatest, not far from the beginning of the path, which went on from Winnebago County across Boone, into McHenry, ending near Chemung about 4 p. m., so the whole was about 26 miles long, the speed of advance being approximately 40 miles an hour. The path was from 200 to 500 feet wide, the storm traveling toward the east-northeast. All 14 deaths and nearly all the damage of $1,200,000 occurred at Rockford.

For the only time during 1928, tornado havoc occurred south of the center of the State late on October 4, the time near Carlinville, Macoupin County, being not far from 8:30 p. m., and east of Taylorville, in Christian County, around 9:30 p. m. In the latter locality the advance was northeastward and the place is about 40 miles northeast of Carlinville. The dimensions of the areas of wreckage were near Carlinville 5 miles long and 100 to 200 yards wide, and east of Taylorville a mile long and a quarter-mile wide, Although the intervening gap with no report of havoc is a large one, yet it is thought this should be considered a single tornado. Carlinville estimated the property loss as $7,000, and there was one person injured; Taylorville had some loss, not estimated, but apparently less than that near Carlinville.

Indiana.—On January 19 the tornadoes noted at or near Cincinnati and Louisville were not far from Indiana, but it is probable there was no tornado in Indiana that day. On widely separated dates three tornadoes did strike in extreme southwestern Indiana, and apart from these the State apparently had no tornado during 1928.

In the northern part of Posey County, about 2 miles south of Stewartsville, a strip a mile long and 50 yards wide was swept by a small tornado on May 25, about 2:30 p. m., with damage of $7,000 but probably no harm to any person. The advance of this tornado was toward the southeast.

In Gibson, the county northeast of Posey, the town of Fort Branch was hit by a severe storm, probably a tornado, about 12:40 a. m., June 18. This left havoc in a somewhat broken track that was 7 miles long and averaged 25 yards wide, the movement being northeastward. No personal injuries came to notice, but the property losses aggregated $25,000.

On October 16, about 1:30 p. m., a tornado left a path 12 miles long and 20 yards wide, advancing northeastward from Blairsville, Posey County, near St. Wendells, on into Vanderburg County. One man was injured, and the damage was estimated as $50,000.

Iowa.—The count indicates 45 tornadoes during 1928, more than ever otherwise reported for a single State within one year. In the southeast portion of Iowa, Mahaska County had a tornado near Cedar at 5:30 p. m., March 24, the damage amounting to $300.

Reports indicate four tornadoes in Iowa during April, the earliest occurring in the southern part of Linn County on the 3d, about 11 p. m. The damage was probably about $500.

On April 4, Fremont and Page Counties, in the extreme southwestern part, had a tornado at 3:45 p. m., to southwest and south of Shenandoah, moving northeastward; the path was 50 feet wide and about 4 miles long, the losses being $4,500. In Decatur County, approximately 80 miles east of Shenandoah, what is considered another tornado swept a strip 220 yards wide at 5 p. m. the same day. The advance was northeastward, and the damage was but $200. About 26 hours later, at 7 p. m., the 5th, a tornado occurred in Mahaska County, about 60 miles to northeastward of Decatur County, with loss estimated as $800.

On May 2, about 7:30 p. m., there was a tornado in northwestern Iowa, probably distinct from the nearest of that day's Nebraska tornadoes, which was at Bancroft at 6:45 p. m. The beginning of the Iowa tornado was fully 50 miles northeast of Bancroft, in Woodbury County, 6 miles east of Moville; thence it moved northeastward through Cherokee, in the county of the same name, to the northwestern part of Buena Vista County, about 40 miles in all. The property loss was $450,000 and four persons were injured.

On June 12, when several States were visited by tornadoes, no less than seven distinct local storms in Iowa were seemingly tornadoes. In Lyon, the most northwestern county of the State, a tornado about 3 a. m. moved 8 miles northeastward, passing near Rock Rapids; the damage was $3,000. To southward 70 miles, in Woodbury County, at 3:30 a. m., a tornado, seemingly of short path, caused damage of probably $500. Cass County was visited about 5 a. m., the path being about 90 miles southeastward of the Woodbury County locality; this Cass County tornado traveled northeastward and caused losses amounting to $2,500. At 7 a. m. a tornado in Hamilton County, approximately 90 miles northeast of Cass County, took an eastward course and the damage was but $500. Another tornado occurred in Louisa, one of the most southeastern counties of Iowa, touching the Mississippi River, at 7 p. m.; this tornado took a northeastward direction and losses of $750 resulted. The tornado which visited Grundy County, the second to eastward of Hamilton County, was timed at 7:30 p. m., caused damage of $1,000, and moved

toward the northeast. The hour was not reported for the tornado which caused some havoc in Mitchell County, approximately 70 miles north of Grundy County.

On June 18, southwestern Iowa had probably two tornadoes, not far apart. The more northwestern, at 6:30 p. m., struck in northwestern Adams County, southeastern Cass, and southwestern Adair, causing damage of $3,000. The southeastern tornado, about 7:30 p. m., visited parts of Adams and Union Counties near Cromwell, advancing 6 miles toward the northeast, the losses being $135,000.

On June 22, 10:30 a. m., Washington County, in southeastern Iowa, had a tornado of slight importance, the damage being $2,000. The storm advanced over 3 miles northeastward, not far from the town of Washington. Southeastern and south-central Iowa reported two other tornadoes before the end of June, each during the afternoon of the 28th; the earlier was about 1:30, in the western part of Keokuk County, near What Cheer, moving a mile northeastward, with damage of $7,500. In Lucas County, near Derby, 65 miles west-southwest of What Cheer, the later tornado traveled 3 miles southeastward about 4 p. m., the damage being $3,000. As with all other of these Iowa June tornadoes, no person was reported as even hurt.

Late on July 3 there seem to have been two tornadoes in the western portion of Iowa. The Shelby County tornado, timed at 9 p. m., moved apparently 15 miles toward the east-northeast, in the southern part of the county. For the Crawford County tornado the hour was reported as 9:30 p. m.; this storm advanced northeastward, but probably only a short distance, in the northeastern part of the county, and the damage was $17,000. About five hours later, 2 to 2:30 a. m. of the 4th, fully 30 miles to southward of the Shelby County storm, there was seemingly another tornado, in Mills and Pottawattamie Counties, traveling toward the east-northeast and causing damage of about $70,000. Two other storms, slightly later that night and far to the northeastward, seem to have been distinct tornadoes, though the property losses were small. The Hancock County storm occurred at 3 a. m. and moved eastward; the Hamilton County storm, an hour later and not far from 50 miles to southward, advanced northeastward.

On July 7, about 4 p. m., in connection with a serious hailstorm, a severe windstorm, probably a tornado, visited Mills County, in the southwestern portion of Iowa. This storm traveled toward the northeast. The tornado damage was probably about $1,000.

On July 17, about 3 a. m., Calhoun County, somewhat to northwest of the center of the State, was apparently visited by a tornado, but details of the storm and its results are lacking.

Three widely separated counties were visited on July 19 by what were probably three distinct tornadoes. In Howard County, on the northern edge of the State, the storm came at 3 a. m., and advanced eastward, crops suffering to some extent. About 170 miles to southward, in Monroe County, the tornado was timed at 6 a. m.; it took an eastward course, with path an eighth of a mile wide, and caused damage estimated at $1,000. The other county was Blackhawk, where the storm moved southeastward and the time was named as 5:45 p. m. This Blackhawk County tornado caused losses of about $150.

On August 20, during the latter part of the afternoon, four important tornadoes were reported in central and northwestern counties, while another started close to the northern border. The most northwestern seems to have been the earliest, as would be expected; this occurred in the western part of Pocahontas County, near Varina, the hour being 4 p. m.; the storm advanced eastward, leaving a track 6 miles long and about 100 yards wide; the property loss was $15,000, but nobody was injured. It probably was but a very few minutes after 4 p. m., when a tornado started in the northwestern part of Worth County, and moved east-northeastward, soon crossing into Minnesota; almost undoubtedly no person was injured and no marked damage was done by this storm within Iowa. The locality where it started is about 90 miles northeast of Varina.

In Calhoun County, about 15 miles southeast of the track made by the Varina tornado, another tornado swept a path over 5 miles long and a quarter of a mile wide, about 5 p. m. The advance was toward the east-northeast, and Jolley and Twin Lakes were affected. Two persons lost their lives by this storm and the property loss was $150,000. Approximately 35 miles southeast of the Calhoun County track, in the extreme southeastern part of Webster County, another tornado started and advanced into Hamilton County, where it seemingly split in two near Stratford; the left-hand portion went 10 miles northeastward, ending in Hamilton County, while the right-hand portion went eastward across Hamilton and a short distance northeastward into Hardin County, about 35 miles in all. This is counted as one tornado; in the three counties one death was reported (Hamilton County), and the aggregate damage reported was $110,000. The time was about 6 p. m., and two reports of width of path were received; half a mile in Hamilton County, and an eighth of a mile in Hardin. In Story County, at and near Nevada and Colo, about 20 miles south of the Hardin County end of the tornado just described, there was a less notable tornado likewise timed at 6 p. m.; this traveled eastward, leaving a track an eighth of a mile wide and 10 miles long, one personal injury and damage of $50,000 resulting.

About 50 miles northeast of the Hardin County end of the tornado mentioned previously, there was a bad storm, probably a tornado, in the western part of Bremer County, 3 miles south of Plainfield; this advanced northeastward, the path being about 60 yards wide, and in this case also the time was reported as 6 p. m.

Less than a week later, during the late afternoon and early evening of August 26, the southwest portion of Iowa suffered much tornado havoc. It is believed there were two tornadoes and only two in Iowa, and that neither is to be considered an eastward extension or reappearance of the short-path tornado noted several minutes earlier, a few miles to westward, beyond the Missouri River in Sarpy County, Nebr. To the western tornado are attributed visits noted in Mills and Pottawattamie Counties, from about Malvern to Oakland, indicating an advance of about 20 miles to northeastward or north-northeastward. Four persons were injured and the damage amounted to $200,000. The time was reported as 5:30 p. m., or more than an hour after the Nebraska tornado, which seemed to end about 30 miles west-southwest of Oakland, or over 20 miles northwest of Malvern. In Montgomery, Cass, and Adair Counties, times from 6 to 8 p. m. were reported, the later as one goes eastward, for what is considered one tornado, traveling 45 miles from near Red Oak, which is but 16 miles east of Malvern, to the vicinity of Greenfield, the advance being to northeastward or east-northeastward. This later tornado was very disastrous, Montgomery County alone reporting losses of four lives and $300,000, while the counties the storm visited later brought the aggregate of losses to $400,000, though they reported no other fatalities.

Within the space of 11 hours, on September 13 and 14, there were apparently four tornadoes in Iowa, mostly of quite short path. The earliest and most northwestern, near Ireton, in Sioux County, occurred 40 miles southeast of Davis, S. Dak., where a long-path tornado had ended a few minutes earlier; while almost surely distinct from this one, the Ireton storm was just about in the line of another tornado, confined to Nebraska, which ended but a few miles before reaching the Missouri River across from Sioux City, Iowa. While a continuation of about 40 miles would have brought this storm to Ireton, it seems better even in this case to count the storms as distinct tornadoes. The Ireton storm, at 5 p. m. of the 13th, swept a track 6 miles long and a quarter of a mile wide, moving northeastward and causing damage of $20,000. Another tornado, 45 miles southeast of Ireton, near Correctionville, Woodbury County, the hour being stated as 6 p. m., made a path a mile long and one-eighth of a mile wide, advancing northeastward, and causing losses of $7,000, but, as with the Ireton storm, without any personal injury. Starting in Calhoun County, and ending in Pocahontas, near Fonda, almost 50 miles east of Correctionville, the other Iowa tornado of the 13th, about 6 p. m., swept a track 4 miles long and a half mile wide, advancing to northeastward like the storms previously discussed. One person was hurt and the damage was estimated as $40,000.

Almost 150 miles to eastward of Fonda, in the southeast part of Bremer County and the western of Fayette, a tornado about 4 a. m. of the 14th moved a little east of north for 17 miles, the track being one-eighth of a mile wide. There was damage of $60,000, but no person was even hurt.

Late on October 4 there were severe windstorms in several portions of southeastern and east-central Iowa, and it is thought there were two distinct tornadoes. Starting in Mahaska County, the shorter-path tornado moved to north of due east into Keokuk County; the time was 6:15 to 6:30 p. m., and damage amounting to $200 occurred. The longer-path tornado began in the southeastern part of Poweshiek County, about 12 miles north of the end of the shorter-path storm, at about 6:30 p. m.; striking at intervals, it traveled slightly north of east across Iowa, Johnson, and Cedar Counties, being at Lowden in the last named, at 8 p. m., and continued several miles into Clinton County, so that it advanced about 90 miles in all. In Cedar County a width of one-fourth mile was noted, while in three of the five counties estimates of the property losses were made, these aggregating $9,000.

On November 14, which is considered an unusually late time of year for tornadoes in Iowa, especially north of the mid-latitude of the State, there were six counties visited by probably three distinct tornadoes, all in the northeastern quarter of the State. The earliest struck in the northwestern part of Floyd County, near Nora Springs, about 4 p. m., and traversed but a short path northeastward, the estimate of damage being $2,000. By far the most serious of the three was the second in point of time, which started near Vinton, Benton County, about 85 miles southeast of Nora Springs, the hour being named as 4:30 p. m.; this swept a track 33 miles long and an eighth to a fourth of a mile wide to northeastward across corners of Linn and Buchanan Counties to near Manchester, in Delaware County, where the time was named as 5:15 p. m. The losses were reported as property values of $200,000 and one life, the latter in Delaware County. Practically in the line which the Floyd County storm took, about 40 miles to northeastward, Chester, in Howard County, almost on the Minnesota line, reported what is thought a distinct tornado, at 5:30 p. m. Here, as in Floyd County, there was but a short path, the advance being toward the northeast. The report as to damage indicated $3,000 from this Howard County storm.

Kansas.—In the southeastern portion, near Neal, Greenwood County, a severe local storm occurred February 6, and may have been a tornado; but when all points are considered, it seems wiser to count it a windstorm other than a tornado.

On May 2, about 8 to 8:30 p. m., violent winds swept a tract from 1 to 5 miles wide, in north-central Kansas, from about 20 miles northwest of Lebanon to 5 miles southeast of that place; this tract is in Smith County and the western edge of Jewell County. In the middle of this a strip suffered especially, damage being about $5,000 and five persons being hurt, and it is thought there was a true tornado over this strip, which was about 5 miles long and of undetermined width. The advance of the storm was southeastward.

In Doniphan, the most northeastern county of Kansas, on May 15, about 4:50 p. m., a tornado started more than 3 miles southwest of White Cloud and traveled first northward, then northeastward, about 4 miles to the Missouri River, which it crossed into Missouri. The width of path in Kansas was 50 to 100 feet, while the Kansas losses were one life and $2,000 of property. No other death occurred in Kansas from the 1928 tornadoes.

Late on June 5 tornado havoc occurred in Rooks County, which is northwest of the center of Kansas. There probably were two distinct tornadoes, though the damage altogether was small. In each case the storm traveled southeastward and the width of the track was 300 yards; the earlier tornado ended near Zurich, about 6:30 p. m., after it had advanced 4 miles, causing damage of $600, while the later one started about 10 miles east of Zurich, about 7:30 p. m., and moved but a mile, yet caused damage of $800.

At an unreported hour during the afternoon of June 7, a tornado occurred in the southeastern part of Logan, which is one of the far-western counties of Kansas. This moved northeastward, but the dimensions of the path were not obtained; the property loss was $5,000, but it was not stated that any person was hurt.

Early the next day, June 8, about 3 a. m., there was a narrow path tornado in two of the eastern border counties. From near Croweburg, Crawford County, this moved 15 miles northward till not far from Fort Scott, Bourbon County, the estimate of the losses being again $5,000. Late in the afternoon of the same day a residence was demolished about 8 miles north of Garden City, Finney County, in the west-central portion of the State; there was other damage, an estimate of $1,000 being made for all, and while no other information was secured, it is thought this was a tornado, probably of short path.

About 7:30 p. m., June 11, two other tornadoes occurred in the western portion. In Rawlins County, 3 miles southwest of Ludell, the northern one started and went northeastward across the State boundary into Nebraska, the Kansas path, wholly in Rawlins County, being approximately 17 miles long and from 200 yards to half a mile wide, while the Kansas damage was $5,000. The other storm was about 60 miles to southward, starting 4 miles east of Monument, Logan County, and advancing 22 miles northeastward, ending probably in southeastern Thomas County or southwestern Sheridan. The track of this storm was 200 yards wide and the damage estimate was $12,000. To southeastward by 110 miles of the track of this southern tornado, a severe storm, considered a tornado, about midnight of the 11th–12th struck 5 miles northwest of Garfield, Pawnee County, sweeping a narrow path northeastward and causing damage of $6,000. On the 12th, from 11:50 a. m. to noon, a tornado was observed from Wichita, Sedgwick County, the cloud being probably 12 miles distant toward the northwest, moving northeastward at a speed judged to be about 30 miles per hour. It was learned the damage was trifling, only wheat fields and a few trees being affected. No dimensions of the path were reported.

On June 16, within about three hours, Kansas had seven tornadoes, which advanced either to eastward or to south of eastward. The earliest, timed at 5:30 p. m., was in the southern part of Rush County, somewhat west of the center of the State, and started near Nekoma, traveling 15 miles southeastward, with width of path but 50 feet. The damage was estimated as $5,000.

Two tornadoes were reported as occurring at 6 p. m., the more western 80 miles east-northeast of the Rush County storm and the other 25 miles farther in this direction. The more western left a track 8 miles long and from 100 feet to a quarter of a mile wide, in northeastern Ellsworth and western Saline Counties, ending a little east of Brookville, after damage had been done amounting to $51,000. This tornado moved toward the east-southeast, while the other 6 p. m. tornado took a southeastward course of 5 miles, the path swept being but 100 feet wide, though four distinct funnels were seen. The estimate of damage was but $3,000. This tornado occurred southwest of Solomon, the path being probably all in the northeastern part of Saline County. A slightly later time, 6:30, was reported for a tornado visit of short path at the west edge of Falun, Saline County, where the width swept was but 50 feet and the damage but $1,000. This storm moved eastward, and it may possibly have been a reappearance of the Brookville tornado, Brookville being about 8 miles northwest of Falun, but it is considered advisable to count them as distinct storms.

While Saline County was being visited, a long-path tornado started fully 100 miles to southwestward, and about 60 miles south of Nekoma, namely, in Kiowa County, west of Greensburg. This storm, from 6 to 8 p. m., advanced 40 miles toward the east-southeast, and part of the distance it was accompanied by very severe hail, so that estimates of the width of path and the damage for the tornado are difficult, but it is thought that the former should be recorded as 100 yards to half a mile, and that losses of $100,000 and injuries of two persons should be attributed to the tornado. At Greensburg, also at Sawyer, Pratt County, near the end, three distinct funnels were seen.

Between this long path and the western part of Saline County the other two tornadoes of the 16th of June in Kansas were noted. The earlier was about 40 miles southwest of Falun, Saline County, already mentioned, occurring in Rice County, a short distance northeast of Alden, where a southeastward advance of 3 miles was reported, with width 100 feet and damage only $1,500. The time was 6:30 p. m., and it is said four funnel clouds were sighted. It was about 25 miles southwest of Alden, and a little more than 30 miles north of Sawyer, that the remaining tornado occurred, in the southern part of Stafford County, near St. John and Stafford; the time of 7 p. m., eastward advance, path half a mile wide and 12 miles long, losses amounting to $10,000, and injury of one person are reported for this tornado.

Two more tornadoes occurred the next afternoon, June 17, both in eastern Kansas. The earlier was reported from Lyon County, in the east-central portion, as occurring about 3 p. m., and moving a mile and a half southeastward near Americus, the width being 200 yards. The property loss was $18,000. Longer in path, namely 12 miles, but hardly more serious, the damage being $20,000, was the later tornado of the day, in Wilson and Neosho Counties, from near Altoona to near Chanute, which means about 60 miles southeast of Americus. This storm was timed at 6 p. m., it took a northeastward direction, and the width of the track was 300 yards.

Late on June 19, about 8:30 p. m., one of the extreme southwestern counties, Stanton, was visited by a tornado which seems to have started near Johnson and swept a track to southeastward, 7 miles long and of unreported width. This tornado caused damage estimated at $5,000. About midnight the same night this same county and many to eastward and southward were devastated by one of the most terrible hailstorms ever known in America.

In Anderson, one of the east-central counties, at an unreported hour of June 22, there was almost surely a tornado, though only scant information was secured. The pendant cloud was noted by persons at Garnett, and barely reached to the ground, the damage being small.

Three unimportant tornadoes occurred on June 23, the two earlier ones in the west-central part of the State. The one on the southwestern portion of Gove County struck during the forenoon, and affected only rural districts, the losses being small. Other details about this storm are lacking. Approximately 20 miles away, to southward or a little to east of due southward, the next tornado was noted in Lane County, near noon, moving eastward several miles between Healy and Dighton, the track being 40 feet wide. Again the damage was small, no building being even damaged, as far as is known. Much later in the day, about 7 p. m., the third tornado was noted 130 miles to east-southeastward of Dighton, in Reno County, starting 4 miles northwest of Arlington, and sweeping a path to southeastward 15 miles long and from 25 feet to quarter of a mile wide, though the losses again were comparatively small.

These 23 tornadoes which were noted in Kansas during June did not involve any loss of life, and even injuries seem not to have occurred in connection with any of them, save the two southernmost tornadoes of June 16, from which three persons suffered injuries.

During the second half of 1928 but one tornado in Kansas came to notice, this occurring in the west-central portion at an hour not precisely named of the afternoon of October 11. The storm advanced northeastward, its track being 20 miles long and but 10 yards wide, in Finney, Scott, and Lane Counties. The damage, mainly to farm buildings, was $20,000, and apparently no person was hurt.

The 1928 tornadoes in Kansas are counted as 26, a number which no other State but Iowa equaled.

Kentucky.—On January 19 two tornadoes struck in Jefferson County and advanced toward the east-northeast. The more important started west of Shively, at 7:20 a. m., and crossed part of the city of Louisville, ending near Anchorage, 16 miles from the starting point, about 7:35 or 7:40, the width of the path being about 50 yards. There were 17 injured and the property loss was $85,000. Paralleling much of the second half of the path, and about 4 miles south of it, the other tornado, about the same time, moved from Fern Creek to a point southeast of Jeffersontown, the length of path being 4 miles and the width narrow but unknown. The losses from this storm were $8,500.

It is thought the State had no other tornado that year, the severe storm in western Kentucky, on January 24, being probably not tornadic, and the tornadoes near the boundaries in adjoining States on various dates apparently never crossing the dividing lines.

Louisiana.—There was apparently but one tornado within the State during 1928. In the northwestern portion, on December 12, about 6 p. m., at the same time that a Texas tornado 25 miles to westward was following a parallel path, the Louisiana tornado moved northward from Noble, Sabine Parish, to Benson, De Soto Parish, the path being 12 miles long and 200 yards wide. The losses were one life and property values estimated as $12,700.

Maryland and Delaware.—Severe winds were noted at several localities on June 9. At and east of Dames Quarter, Somerset County, in southeastern Maryland, the intense wind at 10:30 p. m. was very destructive, yet from the information secured it seems not likely this was a tornado, and it is not so counted.

On the Potomac River shore, in southern Maryland, near Morgantown, Charles County, about 5:30 p. m., July 22, an intense local storm swept eastward over a path 100 yards wide and probably but a few miles long. One man was killed and there was damage estimated at $10,000. This storm was probably a tornado.

Michigan.—A vigorous storm, confined to a limited space and probably a tornado, struck the east shore of Bostwick Lake, Kent County, in southwestern Michigan, during the afternoon of May 4, perhaps about 2 or 3 p. m. The path was almost undoubtedly very short and probably narrow as well. It is not known that anyone was hurt, and the damage was only about $500.

On June 8, at an hour unreported, but perhaps late in the afternoon, there was probably a small tornado in the upper peninsula, in southern Ontonagon County, or possibly eastern Gogebic, not far from Watersmeet. This seems to have swept but a very limited area, being severe in that area. Other details are lacking.

Late on September 14, a day when tornadoes visited Iowa, Wisconsin, and northern Illinois, two were noted in the western portion of the lower peninsula. The earlier struck about 6:30 p. m. in the southern part of Mason County, south of Scottville, and swept the ground at intervals within a path about 6 miles long, the width being 350 feet. The advance was northeastward, the damage was $20,000, and no person suffered injury, as far as was reported. Traveling in the same direction, about 65 miles distant to the south-southeast, the later tornado was probably less developed; its path was in the southeastern part of Grand Rapids, 2½ miles long and 25 feet wide. The hour was 7:15 p. m., the property loss was $60,000, but again no person seems to have been hurt.

Minnesota.—Within a period of 24 hours, early in July, three tornadoes were noted in the southern third of the State, the two earlier being very near in matter of time, and but a short time after a tornado occurred in eastern South Dakota. The western tornado was timed at 11:45 p. m., July 1, its path lying from near Minneota, Lyon County, northeastward across Yellow Medicine and Renville Counties and perhaps the southeastern part of Chippewa, into Kandiyohi County to near the east end of Kandiyohi Lake. This path is 60 miles long, and the width was reported as 200 feet. One person was slightly hurt, and the damage was estimated as $60,000. Starting about 60 miles east of the end of this western tornado, soon after midnight, that is, very early on July 2, another tornado traveled somewhat to north of eastward for 38 miles across Anoka and Chisago Counties, though perhaps above the surface in the latter, and then went over the Wisconsin boundary. The track lay north of Anoka and possibly started in northern Hennepin County. The width is reported as a mile and a half, but it seems doubtful if this was true for the area of real tornadic action. The losses aggregated $100,000. About 5 p. m. of the 2d the third Minnesota tornado swept eastward from north of Zumbrota, Goodhue County, to Mazeppa, Wabasha County, about 6 miles, the width of path not being learned. This strip is considerably to southeastward of the paths of the preceding night. The damage was estimated as $10,000, and, as in Anoka County, no personal injuries were reported.

The two other tornadoes of the year in Minnesota, both during August, occurred in the southeastern portion of the State. On the 7th, about 4:30 p. m., the earlier was noted in Dakota County, about 2 miles west of Rosemount. Details of the movement and the dimensions of the path were not received, but probably the storm did not advance far. The property loss was seemingly about $20,000, and no personal injuries were reported.

One of the most serious tornadoes of the year in the whole country, after starting in Iowa, probably in Worth County, crossed into Freeborn County, Minn., and continued east-northeastward 30 miles, the width of path being stated as half a mile at one point. The latter part of the path was in Mower County, where the storm was very destructive at Austin. The losses were $1,000,000 and six lives in Minnesota. There were no deaths in the Iowa part of the path, and the figures for length and for damage altogether can be but slightly larger than those for the Minnesota portion, just stated. This storm was timed in Austin at 4:50 p. m., the date being August 20, when Iowa, Wisconsin, and northern Illinois had tornadoes.

Mississippi.—There were apparently but two small tornadoes in the State during 1928, and their violence was probably confined to narrow and short strips, though no dimensions were

reported. In each case the property losses seem to have been comparatively small. The earlier struck in the southern portion, at Carriere, Pearl River County, about 8:30 p. m., May 14; it moved southeastward, and there is no report that anybody was hurt. The other tornado appeared near Algoma, Pontotoc County, in the northeastern portion of Mississippi, not far from noon, June 3; the direction this storm took was not ascertained, but eight persons were reported injured.

Missouri.—On January 24 there were unusually severe winds, especially late in the forenoon, in the extreme southeastern portion, as well as in adjoining parts of other States. At Anniston, Mississippi County, it is reported there was some evidence of rotary winds, but the information seems not sufficient to justify considering the storm a tornado.

The events on April 4, in one of the most northwestern counties, namely, Holt, were considerably like those of January 24, but in Holt County a whirling gray cloud mass was seen to extend to the earth where the most notable damage occurred, so this storm is counted as a tornado. The tornado damage was apparently confined to a very short and probably narrow strip, a little north of New Point, the amount being estimated as $1,000. The time was about 4:35 p. m. There was an Iowa tornado about an hour earlier, approximately 45 miles to the north-northwest.

In northwestern Missouri four tornadoes were reported during May 15, but in no case were any persons mentioned as injured. The two earliest tornadoes were noted in the most northwestern county of the State, Atchison. About 3:30 p. m. one of these passed through the eastern part of Rockport, traveling northward or slightly east of northward. The path was 50 to 60 feet wide and probably but a few miles long, the property losses being $5,000. The other tornado in that county struck approximately 15 miles to eastward of Rockport, the hour being reported as 4 p. m. The advance was northeastward, but again probably for not many miles, the width of the track where havoc was marked being 50 to 100 feet. In this tornado also the estimate for the damage was $5,000.

A tornado which started in Kansas, near White Cloud, about 5 p. m. crossed the Missouri River and caused damage of $300 on two farms in Holt County, Mo. The length of path in Missouri was probably not over a mile, or in all, 5 miles; the damage in the two States was $2,300, and one death resulted, in Kansas. This storm occurred about 30 miles to south-southeastward of the Atchison County paths.

The fourth Missouri tornado occurred south of the Missouri River, at Raymore, in the northern part of Cass County, 90 miles south-southeast of the Holt County storm. This struck about 6:30 p. m. and moved northeastward a few miles, the width of track being from 30 to 100 feet, while the property losses were $8,000.

On June 18, when tornadoes occurred in Iowa, Indiana, and Ohio, northwestern Missouri was visited by three, or possibly two, which traveled toward the east-northeast. Holt County again was struck, but this time the Holt County storm, starting 5 miles west of New Point, went on to the northeast corner of Andrew County, the track being 30 miles from start to end, but not continuous, and from 60 to fully 300 yards wide. One death resulted in Holt County, and in each county persons were injured. The damage totaled $58,500. The time in Andrew County was from 5:30 to 6:05 p. m.

In the southermost part of Gentry County, or possibly partly in the northern edge of De Kalb, apparently about 7:30 p. m., another tornado visited the Berlin neighborhood, causing damage of $1,000. The path was very likely short. Berlin is located approximately 16 miles east-southeast of the ending point of the Holt-Andrew tornado. Pattonsburg, in the northwestern part of Daviess County, is 11 miles due east of Berlin, and was visited about 8 p. m. by what was possibly the Berlin storm reappearing, but what it seems better to count a distinct tornado, for the direction taken at Berlin was said to have been north of eastward. At Pattonsburg the path of havoc was not long, but was half a mile wide; the losses were estimated at $200,000, but no person was reported to have been hurt.

Montana.—No tornado reported.

Nebraska.—Late in the afternoon of May 2 three strips in eastern Nebraska were swept by tornadoes, apparently distinct storms, though the strips lie closely along a line from southwest to northeast, and each tornado advanced northeastward. The times reported indicate the tornado in the middle position the earliest, at 5 p. m., in Merrick County, passing through Clarks, the path being altogether about 9 miles long and averaging 300 yards wide; the damage was $150,000, and a few persons were injured, the only windstorm injuries noted in Nebraska that day. To southwestward of Clarks 40 miles or slightly more, the second tornado started 7 miles west of Doniphan, Hall County; its track was 11 miles long and 400 feet wide, all in rural districts, so the property losses were but $3,500. The time was reported as 5:30 p. m. About 85 miles northeast of Clarks, near Bancroft, Cuming County, the third Nebraska tornado, at 6:45 p. m., swept a short path a half mile wide, the damage being $50,000. Several miles

southwest of Bancroft, in the same county, the vicinity of Westpoint suffered much wind damage that evening, but there did not seem to be a tornado. In Iowa, 50 miles northeast of Bancroft, a tornado was noted at 7:30 that evening, but it was probably distinct from the Bancroft storm.

A brief report indicates there probably was a tornado May 30, causing moderate damage in a path several miles long, to the north of Humphrey; this would mean northern Platte County or southern Madison, in eastern Nebraska. Probably no person was hurt. The meteorological records of near-by places suggest that the middle of the day was the most likely time.

On June 11, about 7 p. m., a tornado in northwestern Nebraska formed in Cherry County, 30 miles southwest of Nenzel, and advanced 35 miles northeastward, the width of path being about 100 yards. The estimate of damage was $1,500. Approximately 170 miles to the south-southeastward of this path, a much more serious tornado occurred a few minutes later, starting near Ludell, Kans., about 7:30, entering Nebraska, probably in the southeast portion of Hitchcock County, continuing northeastward across Redwillow County, where it was very destructive at McCook at 8:15 p. m., and ending in Frontier County. The rate of advance of this tornado seems to have been about 45 miles per hour. The track varied in width, averaging about 300 yards, the length being not far from 40 miles in Nebraska, or in all about 57. The property losses were apparently $800,000 in Nebraska, or in all $805,000. More than 20 persons in Nebraska suffered injuries.

Within 24 hours after the occurrence of these long-path tornadoes, two short-path tornadoes struck in distant parts of the State. At 3:30 a. m., June 12, in Gage County, east and northeast of Beatrice, one swept a path toward the northeast, 500 feet wide and about half a mile long, causing damage of $3,000. This place is 200 miles east of McCook. About 150 miles northwest of McCook the other tornado formed about 3 p. m. of the 12th, in the northeastern part of Cheyenne County, 10 miles east of Dalton; this moved 5 miles northeastward, but the width of the strip swept was not stated. The estimate of the property losses was $12,000.

A narrow, curving path, 7 miles long, is reported for a small tornado in the northeastern portion, 3 p. m., June 23. Some of the path was in the northeastern part of Cedar County, but the end was in the northwestern part of Dixon, the storm traveling first southeastward and then turning eastward. The damage was reported as $10,000.

Southeastern Nebraska had a small tornado on August 26, about 4:15 p. m., near Fort Crook, Sarpy County, advancing 5 miles northeastward, the width of path being from a few hundred feet to a quarter of a mile. One man was injured and the losses footed $31,000. The serious tornadoes which struck a few miles away in Iowa, 5:30 to 8 p. m., are thought distinct storms.

Two severe tornadoes hit northeastern Nebraska on September 13. The earlier cut through Fordyce about 3:30 p. m., and its Nebraska path was 15 miles long and 50 yards wide, all in the northwestern part of Cedar County, from which it moved on into South Dakota. Three persons injured and damage of $15,000 were this storm's record in Nebraska. The later tornado, which like the earlier, traveled toward the north-northeast, went from south of Pender, which is in the southwestern part of Thurston County, to Dakota City, Dakota County, the track being 33 miles long and from a few rods to three-fourths of a mile wide, situated 50 miles southeast of the other path. This tornado was active from about 3:40 to 4:30 p. m., its speed of advance being approximately 40 miles per hour. The losses were four lives and $750,000 of property.

Nevada.—No tornadoes reported.

New England.—In one of the southern border towns of New Hampshire, Rindge, Cheshire County, approximately 3:30 p. m., September 13, a severe local windstorm, probably a tornado, swept a track to northeastward 4 miles long and on the average 200 yards wide, much of the village of West Rindge suffering damage. The loss was estimated at $50,000.

New Jersey.—No tornado was reported as reaching the ground. About 6:20 to 6:30 a. m., May 22, observers at Hadley Airport, near New Brunswick, saw a spiral cloud to northeastward, probably 3 miles distant at first and moving southeastward or eastward. The lower end was probably always at least a thousand feet above the surface. This is not counted as a tornado for the State or the United States.

New Mexico.—No tornadoes reported.

New York.—Vestal, Broome County, in the south-central part of the State, was visited by a violent storm of apparently short and narrow path, which was probably a tornado. This occurred June 9, about 4:45 p. m. The information is that the storm traveled southward, causing damage of about $1,200, and as far as can be ascertained nobody was hurt.

Richville, St. Lawrence County, suffered much more than Vestal in an intense local storm, July 9; this may have been a tornado, but the evidence seems insufficient to justify such classification.

During the forenoon of September 27 a waterspout over Lake Erie was noted by many in Buffalo; but it seemed not to reach shore, and is not counted as a tornado.

North Carolina.—With the passage across or near North Carolina of the two August hurricanes, two tornadoes were reported. In the east-central portion, near Hookerton, Greene County, about 3:30 a. m., August 11, the earlier tornado moved northward, with path 150 yards wide and 10 miles long. One person was killed, and the damage was $50,000. The later tornado came at Ashley Heights, Hoke County, in the south-central portion, at 4:15 a. m., the 16th; it traveled slightly west of north, the track being only 800 yards long, though 175 yards wide. The losses were two lives and property values of $50,000.

North Dakota.—At a very late hour of July 1, about the time when tornadoes occurred in eastern South Dakota and southern Minnesota, another intense storm, almost certainly a tornado, struck in south-central North Dakota, in Logan County, about 12 miles southwest of Napoleon. The hour, amount of property loss, direction taken, and dimensions of the path were not secured, though the path was probably short. Several persons were injured.

On July 5, at an hour unreported, but probably in the latter part of the forenoon, two tornadoes, or very likely more than two, struck in the northeastern portion of the State. One of these was in the northwest part of Ramsey County, traveling southeastward to the northwestward and northward of Starkweather, its track being 8 miles long and 400 feet wide. The damage was about $20,000. Less definite information was secured about the tornado in the southwestern part of Cavalier County; probably its path was parallel to the Ramsey County tornado's, and lay several miles to the northeastward. The damage seems to have been about $5,000, and neither of these tornadoes seems to have caused personal injuries. Only these two tornadoes are counted, the reports that others were seen that day not far away being too indefinite for use.

In the south-central portion of the State, at a late hour of July 9, an intense windstorm, probably a tornado, occurred in the southeast part of Morton County, approximately 20 miles south of Mandan. No personal injuries are mentioned, and only a moderate amount of damage, the storm being apparently less destructive than the three others just discussed.

Ohio.—A tornado of limited extent swept a strip in the northwestern part of Cincinnati at 9:07 a. m., January 19. As the time is seventy-fifth meridian, it was only about 30 minutes later than the occurrence of the two tornadoes in and near Louisville, Ky., 90 miles to the southwestward, so the Cincinnati tornado is considered a distinct storm. The strip was only about 1,000 feet long, and from 200 to 500 feet wide, the advance being northeastward. The property loss was estimated as $100,000, and many persons were injured.

In the central part of the State, near Hebron, Licking County, there was a small tornado April 1, about 5:15 p. m., advancing southeastward or east-southeastward. The path was 400 feet wide and several miles long, the damage being reported as $5,500.

A severe local storm at London, Madison County, on June 6, is now believed not to have been a tornado.

On June 18, probably starting about 3:30 p. m., a tornado traveled from the eastern part of Franklin County, which is not far from the center of the State, toward the east-southeast across Licking, Perry, and Morgan Counties into Washington County, in all approximately 80 miles, the width of path not being ascertained. The losses were property values estimated at $1,000,000, the Buckeye Lake region suffering particularly, and two lives. In Licking County this storm passed near Hebron, so not far from the path of the April 1 tornado.

Only 27 hours later, June 19, about 7 p. m., approximately 60 miles southwest of the beginning point of the tornado of the 18th, a severe storm that probably was a tornado crossed Clinton County southeastward, from near New Burlington to the vicinity of New Vienna. The track was about one-half mile wide and 20 miles in length. The damage was reported as $50,000.

Two days later yet, June 21, about 8 p. m., in the west-central portion of the State, the northern part of Miami County, near Piqua, was visited by a storm that apparently was a tornado. This swept along a very narrow path, advancing probably to eastward. The property loss was reported no more definitely than that it was "considerable."

Oklahoma.—Close to the Arkansas border, in the east-central portion, Peno, almost at the northeastern corner of Le Flore County, was visited at 11:26 p. m., January 18, by the earliest 1928 tornado known for the country; the Louisville and Cincinnati tornadoes struck about eight or nine hours later. The Peno tornado was a small one, moving eastward over a path 100 feet wide and three-fourths of a mile long, with intermittent havoc only even within this path. The estimate of damage was $2,500.

On April 4, when tornadoes occurred in many States, including Arkansas and Texas of those which border Oklahoma, a report indicates a tornado in the south-central portion of Oklahoma, in Stephens County, 3 miles west of Duncan. As with the January tornado, no person seems to have been hurt. The time was 4 p. m., and many buildings were damaged or wrecked. The amount of damage, like several other details, could not be learned.

Greer County, in southwestern Oklahoma, had a tornado at 3:30 p. m., May 16, which struck Reed in its northeastward course, the track being half a mile wide, but of length unknown. One person was injured, and the losses were computed as $20,500. Much other wind havoc in the State at later hours that day and during the next day seemed to be not tornadic.

On June 8, the tornado which was reported near Campo, Colo., about 4 p. m., one hundred and fifth meridian time, entered the most northwestern county of Oklahoma, Cimarron, and traversed the northeastern corner in a southeastward direction, between 6 and 7 p. m., ninetieth meridian time. The track, reported as broad near Campo, was narrow in Oklahoma, and the length was probably about 10 miles in Oklahoma, or about 28 in all. One Oklahoma person was injured, and the Oklahoma losses were probably small, though no estimate was obtained.

A severe tornado struck Blair and Headrick, not far from the southwestern corner of Oklahoma, at 6:15 and 6:30 p. m., respectively, of June 16; these places are in the northeastern part of Jackson County, and the tornado probably went on southeastward into the southern part of Kiowa County. From first damage to last is said to have been 30 miles, but there were gaps where the tornado lifted; the width of path is said to have been from half a mile to 4 miles. Four deaths and damage of $1,500,000 resulted from this tornado; the latter figure was not exceeded by any tornado in the country during 1928.

Two tornadoes struck in the northeastern portion of the State on June 20. At South Coffeyville, Nowata County, the time was reported as 4 a. m., and the track a mile wide and 3 miles long, the direction of movement being unreported. The losses were one life and $20,000 of property. At Webb City, near Apperson, Osage County, about 70 miles west-southwest of South Coffeyville, the hour was 3:15 p. m. This tornado is reported to have traveled southeastward, with track 150 feet wide and 7 miles long. A few persons were injured, and the damage was $30,000.

A farming region southeast of Orlando, Logan County, somewhat to northward of the center of the State, was swept by a tornado about 7 p. m., November 15, the path being an eighth of a mile wide and 2 miles long, but the direction of advance being unreported. The losses were 2 lives and $10,000 worth of property. This tornado occurred a little more than 24 hours after some tornadoes in northeastern Iowa.

Oregon.—No tornado is reported as reaching the ground, and therefore none is counted. At Portland, November 16, about 12:20 p. m., a cloud noted high in the air had the form of the usual tornado cloud, and the air was much agitated.

Pennsylvania.—On July 20, about 5 p. m., an intense local windstorm, probably a tornado, struck at intervals in a narrow path, several miles long, near Mifflintown, Juniata County, not far to the southeastward of the center of the State. The direction the storm took was apparently southward or southeastward. There was a moderate amount of damage, of which no estimate was secured, and apparently no person was hurt.

Severe winds on November 19 swept Cumberland County, in south-central Pennsylvania, also several of the northeastern counties. At Wilkes-Barre, Luzerne County, there seems to have been a tornado, advancing several miles toward the northeast, with comparatively narrow path, the time being 4:30 p. m. The damage was estimated as $500,000, and several persons were injured, but none very seriously.

Porto Rico.—No tornadoes reported.

South Carolina.—Late on June 29 intense storms struck at least two localities in the northwestern portion, and in one of these localities there was almost surely a tornado. This was at Easley, Pickens County, about 9:30 p. m., and the path was rather short and from a few yards to 200 yards wide, the advance being southeastward. The losses were estimated at $60,000 and two persons were injured.

As the two August hurricanes from the Tropics passed north-northeastward across or just west of the State, six local storms considered tornadoes occurred, all save the one at Charleston to the southwestward or slightly to westward of the center of the State. The earliest was east of Batesburg, Lexington County, 6:30 p. m., the 10th; it moved northeastward over a short path that was 35 yards wide, and the losses were two lives and about $6,000. The second, at 9 that evening, dipped into Newberry, Newberry County, causing damage of $25,000, though nobody was hurt; details of the path were not learned. The other tornadoes came on the 15th; that at Charleston, at 5:30 a. m., traveled north-northwestward, the track being but 100 feet wide and 2,000 feet long; the damage was only $400, and no person was hurt. At Little Mountain, in the easternmost part of Newberry County, about 1 p. m., there was a path 10 yards wide and 3 miles long, northwestward advance being reported; the losses amounted to $6,000, and presumably nobody was hurt. In the same county, farther westward, between 1 and 3 p. m., another tornado occurred, causing damage of $30,000, without any personal injuries, as

it moved in a northerly course; but other details were not ascertained. Finally, at 5:30 p. m., Bath, Aiken County, was struck, the tornado moving northeastward, with track about 100 yards wide, but short; there was damage to the extent of $5,000, and two persons suffered injuries. Within a few hours after the occurrence of these South Carolina tornadoes, North Carolina was visited by tornadoes.

South Dakota.—An energetic but very small storm, which is thought to have been a tornado, passed southward through Redfield, Spink County, in the northeastern part of the State, at 5:45 p. m., May 7. The path was remarkably narrow and very short. No person suffered harm, and the damage was but about $500.

What was apparently a single tornado, on June 27, caused damage in Faulk County, 9 miles west of Faulkton, and at Waterman in the same county, then hit in the southwestern corner of Spink County, and finally at Broadland, Beadle County, in the east-central part of the State, the time at Broadland being reported as 3 p. m. This indicates a southeastward movement of 60 miles, the track being reported once as 300 yards wide and at the final point only 20 yards. There was damage of $90,000, but no injuries are mentioned.

Late on July 1, about the time when tornadoes occurred in North Dakota and Minnesota, there seems to have been one in South Dakota, east of the center of the State, in Hand County, 6 miles west of Miller. Eastward advance, absence of fatalities, and losses estimated at $50,000 were ascertained; the time was apparently between 8 and 9 p. m. Farther east in South Dakota there were destructive winds that night, but they did not seem to be tornadic.

At an hour not precisely reported, late in the evening of July 20, an unimportant tornado struck a farming region in the southeastern part of the State, in Minnehaha County, 5 miles south of Hartford. Some buildings were destroyed, but the amount of the property loss was not learned, nor were details as to the tornado path.

On September 13, about 3:50 to 4:40 p. m., a tornado which had come from Cedar County, Nebr., crossing the Missouri River a few miles east of Yankton, went on north-northeastward through Yankton County to Davis, Turner County, striking for some distance and then skipping as it went. The path was from 50 to 600 feet wide in South Dakota, and the distance from the Missouri River to the last damage was 30 miles, or from the first Nebraska damage, 45 miles. The speed of the storm's advance was probably a little less than 40 miles an hour. The losses in South Dakota, indicated by a careful Red Cross survey, were about $245,000, and four lives; no lives were taken in Nebraska by this tornado, but by adding the Nebraska damage we find a total for the storm of $260,000.

Tennessee.—There was widespread wind havoc on January 24 in many States near or to eastward of the Mississippi River, and a number of Tennessee counties suffered. In central Tennessee one county, De Kalb, seems to have had a true tornado, which wrecked a schoolhouse at Holmes Creek, 6 miles north of Smithville. This probably came from the west-southwest, but the dimensions of the path were not obtained. The hour was about 2 p. m. The losses were four lives and $25,000.

Atoka, Tipton County, in the extreme western part of the State, was almost totally destroyed by a tornado timed at 2:22 a. m., April 21, about when tornadoes were occurring in northeastern Texas and southwestern Arkansas. The width of path was 200 yards, the storm apparently advancing northeastward, but the length that was swept is not stated. One boy was killed and the damage was $100,000.

Portions of two south-central counties, Marshall and Bedford, were visited about 4 p. m., June 3, by an intense local storm, probably a small tornado. Details of the path were not secured, save the information that it was chiefly in a timber section. The estimate of damage was $5,000.

In one of the northwestern counties, Stewart, there was apparently a tornado at Bumpus Mills, 2 p. m., June 28, the storm moving eastward with path 100 yards wide, one person being hurt and the damage being $8,000. Five other intense windstorms during the succeeding 12 hours were probably tornadoes. To west-southwestward, 75 miles from Bumpus Mills, near Rutherford, Gibson County, the time was 7:45 p. m., several were hurt, and the damage was $10,000. The track of this storm was 200 yards wide, and it advanced toward the east-northeast. Half an hour later, far to eastward, in fact 90 miles east of Nashville, the storm at Mayland, Cumberland County, injured many, and the losses were $12,000; it took a northeastward course, with path 300 yards wide. A mile south of Southside, Montgomery County, about midway between Bumpus Mills and Nashville, another tornado came at 11 p. m., sweeping to eastward over a path 100 yards wide and 1½ miles long, with losses reaching $10,000. The other two tornadoes occurred early on June 29. About 1 a. m. one of them passed 4 miles north of Nashville, moving eastward or slightly north of eastward from Bordeaux through Maplewood to the Cumberland River, with path 8 miles long and one-half mile wide, and results of one death

and property losses amounting to $45,000. The last storm was the worst for damage ($100,000); it occurred at 2 a. m., at Alexandria, De Kalb County, over 40 miles east by south of Nashville, and many were injured. The storm traveled eastward with path a quarter of a mile wide.

Texas.—A severe windstorm, probably a tornado, occurred in Montague County, in the north-central portion of the State, about 10 p. m., March 3, causing one death and considerable damage, of which no estimate was secured. The direction taken and the dimensions of the path were not ascertained.

Two adjoining counties of west-central Texas were visited by one tornado apiece on April 4. The Coleman County storm traveled northeastward about 25 miles from near Gouldbusk to north of Santa Anna, the width of path being reported as 2 miles, and the hour 7 p. m. Many persons were hurt and the property losses aggregated $312,500. Brown County's tornado was approximately 10 miles southeastward of the Coleman County storm; the time was 7:45 p. m., the advance northeastward, but probably not many miles, the edge of Bangs being in the path, which was reported as half a mile wide. The damage was $5,000.

During the night of April 20–21 several tornadoes struck in north-central or northeastern Texas. Of the two most western, one surely and the other probably, came before midnight, and neither was important. The time is uncertain for the tornado in Jack County, at Jacksboro, but this probably was the earliest; it caused $1,000 damage and injuries of several people, and apparently advanced northeastward, though details of the path were not secured. The Tarrant County tornado, north of Grapevine, at 11 p. m., was 60 miles southeast of Jacksboro; it moved northeastward, the path being 100 feet wide and probably short; the damage was $1,200, and apparently no person was even hurt.

Within two hours after the tornado last described, two tornadoes and possibly a third one, occurred somewhat farther eastward. The time of 12:30 a. m., April 21, was reported for the Dallas County and Kaufman County tornadoes, and the former, at Kleburg, struck about 30 miles southeast of Grapevine. The Kleburg tornado was a small one, the damage to buildings being $4,000. The Kaufman County tornado occurred about 25 miles east of Kleburg, near Terrell; its path was 500 feet wide, and the results were one person injured and losses of $20,000. At an hour not stated, but probably not very many minutes later than the time of these two storms, there was a not very important storm, probably a tornado, at Biardstown, Lamar County, 75 miles northeast of Terrell, a moderate amount of damage to buildings being mentioned, without estimate of the amount.

The hour of 2 a. m., the 21st, is reported for the next tornado, which struck New Boston, in Bowie County, the most northeastern county in the State. The town named is 60 miles east of Biardstown. The storm did but little harm, and it probably was limited to a small area. Starting at 2:30 a. m., 30 miles south of New Boston, near Linden, Cass County, the most important of the Texas tornadoes of that night moved north-northeastward near Atlanta, Texarkana, and Index, the two latter in Bowie County, to the Red River, which it crossed into Arkansas. The time in Arkansas was 3:15 a. m., indicating a rate of advance not far from 55 miles per hour. The track in Texas was 41 miles long and from one-half to three-fourths of a mile wide. The Texas losses were one life and property values of $100,000.

Twelve hours later, at 3 p. m., April 21, 65 miles southwest of Linden, near Arp, Smith County, another tornado moved northeastward, its track being 1,000 feet wide and of length not reported. Several persons were injured and the damage was $10,000.

The three Texas May tornadoes were, unlike those of April, well scattered as to place and time. In the western portion, 4 miles east of Rotan, Fisher County, at 5:30 p. m., May 15, the first of them advanced southeastward, the path being a quarter-mile wide and three miles long. Injury of three persons and property losses of $5,000 were reported.

A tornado, at 2 p. m., May 17, traversed two of the panhandle counties, Hall and Collingsworth, striking Wellington, in the latter. The advance was probably toward the east-northeast, the path being described as 4 miles wide and 14 miles long. Several persons were hurt and the damage was $200,000. The severe storm in Cooke County at 8 p. m. the same day is now thought not a tornado.

In the east-central portion of Texas, Fairfield, Freestone County, was visited by a local storm at 5:30 p. m., May 28, the damage to buildings being $1,000. Other information is lacking, but it is thought the storm was a tornado.

At Aspermont, Stonewall County, considerably to northwest of the center of the State, a violent storm, probably a tornado, advanced 2 miles northeastward, with path 400 yards wide. The time was 6 p. m., July 20. One person was injured, and there was moderate damage, no estimate being reported.

Near Nixon, Gonzales County, in southeastern Texas, a small but intense storm, probably a tornado, struck about 5:30 p. m., August 10. After lifting, the storm struck again, 6 miles away. The damage was not large, and other information is lacking.

On December 12 three tornadoes occurred in Texas. Brazoria is one of the coast counties, not far west of Galveston, and the earliest tornado was near Pearland, Brazoria County, at 5:15 p. m. The track was 20 yards wide, the storm advancing eastward, but how far is not stated; one person was injured and the damage amounted to $10,000. To the north-northeast of Pearland, about 120 miles, near Zavalla, Angelina County, the second tornado moved northward about 5:30 p. m., its path being 100 yards wide and a mile long. One death and several injuries resulted, also considerable damage, of which no estimate was secured. About 45 miles from Zavalla, in direction slightly east of due north, a northward-moving tornado, probably distinct from the Zavalla storm, passed near Center about 6 p. m., and went on 10 miles to near Tenaha. These places are in Shelby County. The width near Center was said to be 50 yards. The losses from this tornado were two lives and property values of at least $3,000. A simultaneous Louisiana tornado followed a parallel path about 25 miles to eastward.

Utah.—No tornadoes reported.

Virginia.—No tornadoes reported.

Virgin Islands.—No tornadoes reported.

Washington.—No tornadoes reported.

West Virginia.—No tornadoes reported.

Wisconsin.—A tornado, traveling northeastward and accompanied by destructive hail, visited the western and north-central parts of Pierce County, which is in the western portion of the State, on June 20, about 1:30 to 2 p. m. The track was 20 rods (equal to 110 yards) wide and 4 miles long. The damage from the winds of the tornado seemed to be about $10,000, and it is not mentioned that anyone was hurt.

Beginning about 12:30 a. m., July 2, strong winds overspread much of western and central Wisconsin, accompanied in some counties by hail. Even if the hail damage is omitted, it appears that the aggregate losses due to wind approached one-third of a million dollars. In three localities there seem to have been funnel-shaped clouds, which are considered to have been three different tornadoes, but the Polk County tornado is considered a reappearance of the tornado of Anoka County, Minn. This tornado struck Dresser Junction about 12:30 a. m., with damage estimated at $60,000. The width of path is not stated, while the direction taken, from the start in Minnesota, was slightly north of due east. This tornado apparently covered 6 miles in Wisconsin and 44 in all, at the ground or above it. Altogether losses of $160,000 are attributed to this tornado, but not a single personal injury. It is not entirely impossible, though very improbable, that the Barron County tornado, at Prairie Farm, was a reappearance of the Dresser Junction tornado, though a change in direction would be necessary, for Prairie Farm is 35 miles east-southeast of Dresser Junction. Prairie Farm suffered damage of $50,000. The Blair tornado, in Trempealeau County, 80 miles south-southeast of Prairie Farm, caused damage of $25,000. This Blair tornado was presumably the latest of the three, and probably ended by 2 a. m. Not one of these tornadoes seems to have caused a personal injury.

On August 20, beginning about 6 p. m., very soon after disastrous tornadoes had struck parts of Minnesota and Iowa, there was probably a tornado in La Crosse County, advancing southeastward 20 miles or a little less, from near New Amsterdam to near West Salem. The width is reported from 100 yards to a mile, but the latter estimate may include tracts swept by winds not tornadic. A few persons were hurt and the damage was $60,000.

On September 14, a day when tornadoes visited Iowa, Illinois, and Michigan, there were two in southern Wisconsin and a third in Waupaca County, which is somewhat to southeast of the center of the State. Many persons were injured, but not deaths resulted. Near Magnolia, Rock County, which is 35 miles north by west from Rockford, Ill., the time was about 3 p. m., or a few minutes earlier than the time of the Rockford tornado. The Magnolia storm swept a track a quarter mile wide and a mile long, with losses of $30,000. Fully 25 miles northwest of Magnolia, in Dane County, near Riley and Verona, the other southern Wisconsin tornado, about the same time, covered a path from a few rods to half a mile wide, and about 15 miles long with damage estimated as $100,000. The Waupaca County tornado started near Scandinavia, fully 100 miles north by east from Verona, and traveled northeastward 20 miles to Marion, where it was timed at 3:30 p. m. The width of the path was from 10 to 20 rods (55 to 110 yards) and the losses were reported as $27,500.

Wyoming.—Two tornadoes during 1928 are indicated, occurring but three days apart, late in June. In Natrona County, somewhat to eastward of the center of the State, a tornado that was traveling southeastward struck near Salt Creek at 4:15 p. m., June 26. The width of path was 150 yards, but the length was not definitely reported. The losses aggregated $360,000, mainly in oil-field buildings and equipment, and several persons were injured.

On June 29, at 1:45 p. m., about 75 miles northeast of Salt Creek, there was a tornado near Gillette, Campbell County, which moved first southeastward, then northeastward. The track was 200 feet broad, but the length is not known. The estimate of the damage was $2,000.

HAIL, 1928

As for several years preceding, the occurrence of injurious hail during the 6-month period, April to September, inclusive, is indicated on two charts, numbered 6 and 7, respectively. The information for the compiling of these charts was secured mainly from the regular and cooperative stations of the bureau. Chart 6 shows where there was moderately heavy hail, causing only slight damage, while Chart 7 indicates where heavy or destructive hail occurred. Falls of hail too light to cause damage were noted at hundreds, if not thousands, of stations, and no effort has been made to indicate such falls. Hailstorms are often very local in character, and they differ so much in their occurrence from year to year that the distribution indicated on the charts of one year should not be assumed as the usual condition. Furthermore, in certain States, as Iowa, the charting of a large number of dots seems to result mainly from the unusually large number of reporters to the thousand square miles.

In certain important States, particularly those of the Plains and the eastern slope of the Rocky Mountains, the havoc from hailstorms during 1928 seems to have been unprecedentedly large. Yet most of the Northeast and considerable portions of the South appear to have had less than the average amount of trouble from hail.

Colorado, Kansas, and Oklahoma, particularly, suffered vast damage from hailstorms during June, 1928. In Oklahoma, the worst single storm was probably that in Washita County, on the 18th. Part of southwestern Kansas was struck on the 8th, and a portion about midway east and west, but close to the Oklahoma line, on the 14th. One of the very worst storms of record swept the southeastern part of Colorado and several southwestern counties of Kansas during the night of the 19th–20th.

In western Alabama, the worst hailstorm in the history of the State occurred on May 22, in Pickens County and some adjacent districts.

Charts 6 and 7 contain no dots for such hail as fell before April 1 or after September 30. At those times of the year but few portions of the country have crops that are subject to marked injury by hail. The first three months of 1928 seem to have brought no hailstorms of special importance, but during October some serious falls occurred, as in Pawnee County, Okla., on the 4th, at and near Petersburg, Nebr., on the 11th, and at Elephant Butte, N. Mex., on the 29th.

In Alaska, Hawaii, Porto Rico, and the Virgin Islands the year 1928 brought no hail of any moment.

The township assessors of Iowa continued the practise of canvassing the counties for estimates of the hail damage, and the sum for 1928 of the amounts reported to them was $6,363,922. This exceeds the 1927 sum, and likewise the average of the sums during the four years preceding 1927, but it is less than the sums for 1924 and 1925.

For Kansas a much less complete computation was made, to the effect that damage to at least the amount of $12,375,000 had resulted from outstanding hailstorms. It is thought that no single previous year had witnessed so grievous destruction by hail in that State.

In the vicinity of Laredo, Tex., on May 21, a severe hail and wind storm occurred, though the crop losses were by no means the most serious of the year. Three persons lost their lives, and while for two the detailed report indicates that wind was the cause, the third death, that of a boy caught in an open field, was apparently due to the blows of the hailstones. It is not known that any other case is on record of the death of a person anywhere in North America by hail.

LOSSES FROM WINDSTORMS, 1928

For the thirteenth successive year statistics have been collected, chiefly through the field-service officials of the bureau, of the property damage and the loss of life due to those severe winds that are considered not to have been tornadoes. The results are presented in the table following, the amounts stated being merely estimates of the damage; furthermore, it often was not feasible to secure even a rough estimate, so a reference figure is printed instead; but in most cases these references stand for comparatively small losses.

Deaths and fire losses caused by lightning are not included in this table, nor are havoc and loss of life due to true floods, even though high winds occurred as a feature of the electrical storm or with the intense rain. Whenever beating rain or hail or both came with the severe wind, or, in the colder months, sleet or glaze or heavy snow, to aid in causing damage, an effort is made to estimate the share of the total loss which was due to wind.

For 1928 the deaths reported are considerably greater than shown for any year preceding in this series, and probably have not been more numerous since 1900, when the Galveston hurricane occurred. Likewise the property losses, when those in Porto Rico are considered, are found about as great as those of 1926, and far greater than for any other year of the 12 next preceding 1928. These impressive totals are due principally to the three hurricanes of August and September, the September storm being vastly more destructive than the two of

August. The September hurricane caused serious losses in the Virgin Islands, particularly St. Croix, and a conservative computation for Porto Rico, where the hurricane seemed more intense than any other recorded there within the space of a century, gave 300 lives and $75,000,000 for property. However, it is roughly estimated that five-sixths of the deaths and a third of the havoc came by floods in fresh-water streams or by landslides. Therefore 50 lives and $50,000,000 are shown in the table.

In Florida, where this hurricane was felt most grievously in Palm Beach County, the deaths reported should apparently all be charged to the wind; fully 95 per cent of them resulted from the prodigious displacement of the water of Lake Okeechobee, which was swept up in one portion of the lake to about 15 feet above its usual level, so that the low shore was deeply submerged. A similar displacement, affecting a different portion of the lake shore because the direction of the powerful prolonged wind was different, had brought about most of the Florida deaths that came from the 1926 hurricane.

Of other notable windstorms, mention may be made of a widespread storm on January 24-25, felt from the central valleys eastward to the coast and particularly over most northeastern sections from Chesapeake Bay to Maine. In New York City alone the losses were believed to be $500,000. During June vast windstorm losses occurred in north-central Texas on the 3d, in northern Oklahoma on the 8th, and in the southwestern portion of the same State on the 16th.

February and the final three months were comparatively free from important windstorms.

Other than a very few tornadoes and the September hurricane, no one 1928 windstorm seems to have caused more than about 5 deaths.

Losses from windstorms, other than tornadoes, by months and sections, 1928

[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			500			30,000		500					31,000	1
Alaska		(1)						250			31,800	1,000	[2] 33,050	
Arizona						(1)	(1)	250,000					[2] 250,000	
Arkansas				[2] 1,200									[2] 1,200	
California														
Colorado			[2] 15,000	(1)		5,000		(1)	[2] 23,000			(1)	[2] 43,000	
Florida		1,000	(1)	[2] 46,750		(1)		200,000	25,000,000		500		[2] 25,248,250	1,843
Georgia			[2] 1,000		(1)	[2] 150	(1)	200,000	120,000				[2] 321,150	
Hawaii												(1)	(1)	
Idaho							(1)						(1)	
Illinois	[2] 500		[2] 500	(1)	1,500	[2] 90,300	[2] 32,000	[2] 353,000	(1)	(1)			[2] 477,800	1
Indiana	[2] 3,000		(1)	(1)	(1)	[2] 10,000	[2] 54,000	(1)					[2] 67,000	
Iowa			750	(1)	1,500	[2] 12,300	[2] 263,700	[2] 36,000	(1)	[2] 5,600			[2] 319,850	
Kansas		(1)		[2] 240,000	13,000	[2] 129,500	13,000		(1)				[2] 395,500	2
Kentucky	[2] 20,000		(1)	[2] 55,000		(1)							[2] 75,000	1
Louisiana		(1)	25,250	[2] 500	2,000							4,000	[2] 31,750	
Maryland-Delaware	(1)			[2] 600	(1)	[2] 332,000	[2] 20,000	200,000	[2] 1,000,000			(1)	[2] 1,552,600	4
Michigan	[2] 1,000		(1)	(1)	(1)	(1)	[2] 18,000	(1)	(1)		[2] 25,000		[2] 44,000	4
Minnesota				100,000			[2] 17,500	[2] 155,000					[2] 272,500	
Mississippi			(1)	[2] 50,000									[2] 50,000	1
Missouri	2,650			200	25,800	13,250	[2] 7,500		500	150			[2] 50,050	
Montana	5,000				500	(1)	(1)						[2] 5,500	
Nebraska					[2] 40,000	[2] 30,000	16,000	[2] 65,000		(1)			[2] 151,000	
Nevada		(1)		(1)				(1)	(1)				(1)	
New England	[2] 30,000			[2] 50,000			(1)	(1)			(1)		[2] 80,000	5
New Jersey	(1)			(1)			(1)	(1)	(1)				(1)	1
New Mexico						(1)							(1)	
New York	[2] 500,000		(1)	[2] 1,500			[2] 25,000	(1)			[2] 111,000		[2] 637,500	
North Carolina	10,000		5,000	5,000				10,000	25,000				55,000	
North Dakota				(1)		(1)	(1)	(1)					(1)	1
Ohio	[2] 154,000		200,000		1,000	[2] 2,000	[2] 11,000	[2] 5,000		(1)			[2] 373,000	1
Oklahoma				22,000	[2] 483,000	[2] 1,138,000				9,500	(1)		[2] 1,652,500	3
Oregon									(1)		(1)		(1)	
Pennsylvania	(1)			(1)	[2] 3,000	(1)	(1)	[2] 10,000	[2] 15,000		(1)		[2] 28,000	2
Porto Rico									50,000,000				50,000,000	50
South Carolina	8,000		12,000	2,000		100,000		413,500	1,500,000				2,035,500	1
South Dakota							[2] 30,000	100,000	(1)				[2] 130,000	
Tennessee	[2] 110,000		5,000	[2] 200,000		[2] 17,000	2,000	(1)					[2] 334,000	1
Texas		50,000	[2] 200,000	[2] 19,500	[2] 32,500	[2] 1,193,500							[2] 1,495,500	4
Utah														
Virginia	(1)		[2] 25,000			[2] 3,000			(1)				[2] 28,000	
Virgin Islands									2,000,000				2,000,000	20
Washington			(1)			(1)							(1)	1
West Virginia														
Wisconsin	10,000			5,000		12,000	203,800	264,000	30,000	24,000	10,000		558,800	
Wyoming						[2] 8,000		(1)					[2] 8,000	

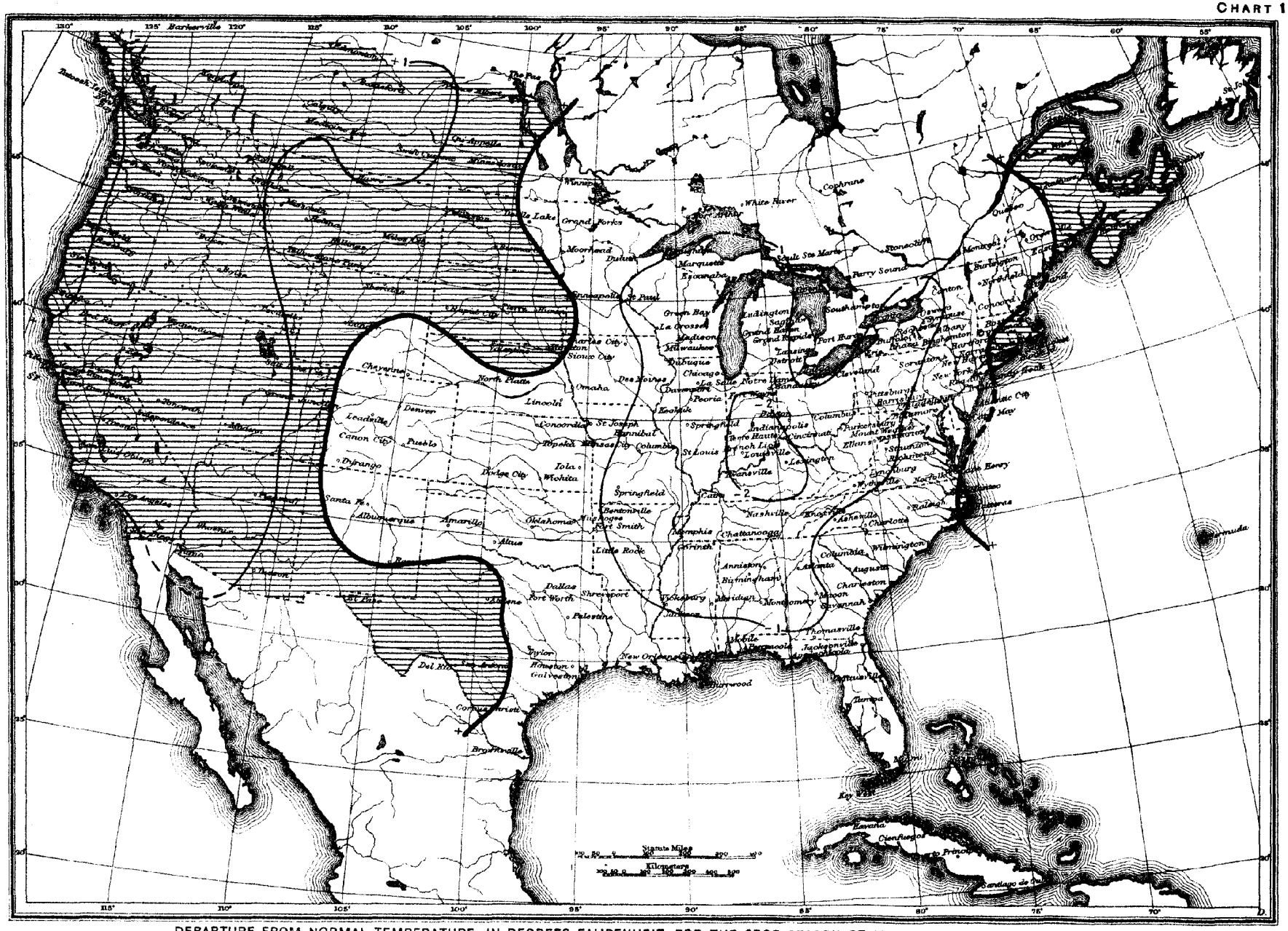
[1] Losses not estimated occurred.

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

Annual summary, climatological data for Canadian stations, 1928

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				40.4		47.6	33.2	72	0	55.95		36.9
Burin, Newfoundland				40.0		46.1	33.9	74	0	33.73		17.2
Fogo, Newfoundland				37.6		43.7	31.5	79	−9			
Port aux Basques, Newfoundland				38.7		44.2	33.2	72	−8	57.86		151.1
Sydney, Nova Scotia	29.87	29.92	−0.02	43.0	+1.7	51.1	35.0	90	−10	53.39	+3.11	90.5
Halifax, Nova Scotia	29.85	29.96	−.01	44.3	+1.5	52.8	35.9	94	−9	38.83	−18.20	39.0
Yarmouth, Nova Scotia	29.82	29.89	−.09	44.4	+1.2	50.9	38.0	79	4	47.18	−1.55	68.0
St. John, New Brunswick				41.9		49.1	34.7	85	−10	44.44		57.3
Charlottetown, Prince Edward Island	29.82	29.86	−.08	42.8	+1.8	49.5	36.1	88	−8	35.11	−6.51	84.2
Chatham, New Brunswick	29.80	29.83	−.11	38.9	+.2	48.7	29.1	93	−20	35.51	−5.78	81.8
Anticosti (Southwest Point), Quebec				34.6		39.6	29.6	70	−15	20.45		72.0
Father Point, Quebec	29.86	29.88	−.05	36.2	+1.4	43.4	29.1	80	−13	30.39	−2.60	99.5
Quebec, Quebec	29.61	29.94	−.04	39.3	+1.1	46.0	32.5	87	−14	48.11	+6.39	160.3
Montreal, Quebec	29.72	29.93	−.06	43.3	+1.8	50.6	36.0	91	−11	43.72	+2.73	111.0
Ottawa, Ontario	29.69	29.96	−.04	42.6	+2.0	51.6	33.6	92	−19	41.39	+8.79	98.0
Kingston, Ontario	29.65	29.97	−.04	44.6	+1.5	51.2	38.0	85	−9	35.41	+2.60	30.5
Toronto, Ontario	29.56	29.97	−.05	46.6	+2.4	54.3	38.8	90	−4	35.35	+1.63	33.5
London, Ontario				46.0		54.7	37.3	91	−18	43.62		99.0
Southampton, Ontario				43.0	+.6	50.9	35.2	89	−10	45.90	+11.69	102.3
Parry Sound, Ontario	29.24	29.94	−.06	41.4	+1.2	49.5	33.2	86	−24	49.25	+10.98	128.5
Cochrane, Ontario				33.0		42.0	24.0	88	−35	29.69		53.5
White River, Ontario	28.57	29.91	−.07	32.4	+.3	44.1	20.8	88	−52	35.67	+10.88	56.5
Port Arthur, Ontario	29.25	29.96	−.04	38.2	+3.8	46.4	29.9	90	−21	25.12	+.36	29.5
Winnipeg, Manitoba	29.14	29.99	−.01	38.9	+5.8	48.1	29.6	96	−25	20.91	−.07	27.6
Minnedosa, Manitoba	28.14	29.99	−.01	35.9	+4.3	46.4	25.5	94	−30	15.54	−.91	30.5
The Pas, Manitoba				33.3		44.3	22.4	94	−39	9.34		15.6
Port Nelson, Manitoba				22.1		30.3	13.9	85	−41	9.66		31.8
Moose Jaw, Saskatchewan				40.4		52.3	28.5	98	−35	12.85		21.4
Swift Current, Saskatchewan	27.40	29.94	−.03	41.8	+4.3	54.6	29.0	97	−34	11.77	−3.70	23.9
Medicine Hat, Alberta	27.65	29.92	−.04	44.6	+4.3	56.8	32.4	98	−36	8.23	−5.57	15.4
Calgary, Alberta	26.39	29.99	+.06	41.4	+4.2	54.3	28.5	90	−30	16.64	+1.77	39.4
Banff, Alberta	25.38	29.99	+.06	37.7	+3.0	49.2	26.2	88	−31	16.05	−5.86	43.6
Prince Albert, Saskatchewan	28.41	30.01	+.03	36.5	+6.0	47.8	25.2	95	−41	7.60	−7.31	14.5
Battleford, Saskatchewan	28.22	29.98	+.01	38.1	+5.4	50.1	26.2	96	−41	10.66	−3.27	14.6
Edmonton, Alberta	27.62	29.92	−.01	38.9	+3.3	50.1	27.8	92	−40	15.15	−.68	35.9
Kamloops, British Columbia	28.73	30.03	+.10	48.3	+1.2	57.4	39.2	100	−14	6.42	−5.21	15.9
Vancouver, British Columbia				51.2		58.5	44.0	86	20	46.46		4.2
Victoria, British Columbia	29.80	30.06	+.06	50.5	+1.9	56.0	45.0	90	24	19.90	−18.24	7.6
Barkerville, British Columbia	25.63	29.96	+.06	36.7	+.5	46.0	27.4	80	−24	37.53	+3.97	184.6
Estevan Point, British Columbia				48.6		54.1	43.1	72	25	109.29		0.8
Prince Rupert, British Columbia				47.1		53.4	40.7	76	16	80.84		8.2
Atlin, British Columbia				33.1		40.2	26.0	78	−38	9.92		57.3
Dawson, Yukon				24.5		34.5	14.5	84	−41	13.89		54.7
Mayo Landing, Yukon							14.9	86	−47	8.51		26.9
Prospect Point, Bermuda	29.99	30.15	+.06	70.3	+.6	77.1	63.5	92	47	73.70	+11.79	0.0

CHART 1



DEPARTURE FROM NORMAL TEMPERATURE, IN DEGREES FAHRENHEIT, FOR THE CROP SEASON OF 1928, MARCH 1 TO SEPTEMBER 30

Shaded portions show excess (+) and unshaded portions deficiency (−) of temperature

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

CHART 2

TOTAL PRECIPITATION, INCHES, FOR THE CROP SEASON OF 1928, MARCH 1 TO SEPTEMBER 30

DEPARTURE FROM NORMAL PRECIPITATION FOR THE CROP SEASON OF 1928, MARCH 1 TO SEPTEMBER 30

Shaded portions show excess (+) and unshaded portions deficiency (−) in precipitation

Figures show, in inches, amount of excess or deficiency of precipitation over areas bounded by light lines

TOTAL PRECIPITATION, INCHES, FOR THE YEAR 1928

OCCURRENCE OF TORNADOES DURING THE YEAR 1928

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

OCCURRENCE OF MODERATELY HEAVY HAIL, DOING SLIGHT DAMAGE ONLY, FOR THE WARM SEASON OF 1928, 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 1928, APRIL 1 TO SEPTEMBER 30

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

LIST OF OBSERVING STATIONS

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

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

Changes in the elevations of other instruments during 1928 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, 1928);
T = continuous records of temperature (on December 31, 1928);
W = continuous records of wind (direction and velocity) (on December 31, 1928);
V = continuous records of wind (velocity only) (on December 31, 1928);
R = continuous records of rainfall (on December 31, 1928);
S = continuous records of sunshine (on December 31, 1928).

Summary of stations in operation during the year

Taking two observations daily (all elements)	172
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)	36
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)	35
Taking one observation daily (cotton and rainfall)	58
Taking one observation daily (river)	598
Taking one observation daily (rainfall)	306
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)	127
Taking one observation daily (corn and wheat and river)	12
Taking one observation daily (corn and wheat and rainfall)	51
Taking one observation daily (corn and wheat, rainfall, and airway)	1
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)	17
Taking one observation daily (fruit and river)	1
Taking one observation daily (fruit and rainfall)	1
Taking one observation daily (fruit and cotton)	2
Taking one observation daily (cattle)	34
Taking one observation daily (cattle and snowfall)	11
Taking one observation daily (tobacco)	5
Taking one observation daily (alfalfa and cattle)	1
Snowfall	115
Snowfall and evaporation	3
Airway	75
Airway and snowfall	1
Airway and river	2
Vessel	178
Storm warning	134
Storm warning and airway	2
Total paid stations	2,200
Cooperative stations (about)	[1] 4,500
Grand total	6,700

[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, 1928: Barometer above sea	Elevation Dec. 31, 1928: Thermometer above ground	Elevation Dec. 31, 1928: Rain gage above ground	Elevation Dec. 31, 1928: Anemometer above ground	Observations began	Dates of changes in elevation during 1928
	° ′	° ′	h. m.	Feet	Feet	Feet	Feet		
Abilene, P T W R S	32 23	99 40	1 39 S.	1,738	10	3	52	Sept. 14, 1885	
Albany, P T W R S	42 39	73 45	05 F.	97	102 107	100	115	Dec. 22, 1873	Oct. 12, 1928
Alpena, P T W R S	45 05	83 30	34 S.	609	13	4	92	Sept. 10, 1872	
Amarillo, P T W R S	35 13	101 50	1 47 S.	3,676	10	3	49	Jan. 1, 1892	
Anniston, P T W R S	33 39	85 50	43 S.	741	9	3	57	Oct. 16, 1905	
Apalachicola, P T W R S	29 45	84 58	40 S.	36	42	32	49	July 21, 1913	
Asheville, P T W R S	35 36	82 32	30 S.	2,253	70	61	84	Aug. 22, 1902	
Atlanta, P T W R S	33 45	84 23	38 S.	1,173	190	182	216	Sept. 25, 1878	
Atlantic City, P T W R S	39 22	74 25	02 F.	52	37	33	172	Dec. 10, 1873	
Augusta, P T W R S	33 28	81 54	28 S.	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	40	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 R S [1]	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	72	86	July 1, 1877	
Boston, P T W R S	42 21	71 04	16 F.	125	115	154	188	Nov. 1, 1870	
Broken Arrow, P T W R S	36 02	95 49	1 23 S.	765	11	4	56	May 12, 1918	
Brownsville, P T W R S	26 00	97 26	1 30 S.	57	53	45	61	Nov. 18, 1875	
Buffalo, P T W R S	42 53	78 53	16 S.	767	247	238	280	Nov. 1, 1870	
Burlington, P T W R S	44 29	73 12	07 F.	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	187	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	190	165	201	do	
Columbia, Mo., P T W R S	38 57	92 20	1 09 S.	784	11 6	3	84	Aug. 21, 1889	Mar. 22, 1928
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	171	222	July 1, 1878	
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	84	76	97	July 29, 1877	
Detroit, P T W R S	42 20	83 03	32 S.	730	218	214	258	Nov. 1, 1870	
Devils Lake, P T W R S	48 07	98 52	1 35 S.	1,478	11	4	44	Dec. 1, 1904	
Dodge City, P T W R S	37 45	100 00	1 40 S.	2,509	11	3	51	Sept. 15, 1874	
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, 1928: Barometer above sea	Elevation Dec. 31, 1928: Thermometer above ground	Elevation Dec. 31, 1928: Rain gage above ground	Elevation Dec. 31, 1928: Anemometer above ground	Observations began	Dates of changes in elevation during 1928
	° ′	° ′	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	
Flagstaff, P T W S [1]	35 12	111 37	2 26 S.	6,907	10	3	59	Sept. 9, 1898	
Fort Smith, P T W R S	35 22	94 24	1 18 S.	457	79	72	94	Apr. 13, 1879	
Fort Wayne, P T W R S	41 05	85 10	41 S.	856	113	107	124	June 1, 1911	
Fort Worth, P T W R S	32 43	97 15	1 29 S.	670	106	51	114	Sept. 1, 1898	
Fresno, P T W R S	36 43	119 49	2 59 S.	327	89	82	98	Aug. 18, 1887	
Galveston, P T W R S	29 18	94 50	1 19 S.	54	106	98	114	Apr. 19, 1871	
Grand Haven, P T W R S	43 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	July 1, 1903	
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 [1]	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	140	Oct. 7, 1904	
Hatteras, P T W R S	35 15	75 40	03 S.	11	11	4	50	Dec. 1, 1880	
Havre, P T W R S	48 34	109 40	2 19 S.	2,505	11	4	44	May 16, 1892	
Helena, P T W R S	46 34	112 04	2 28 S.	4,110	87	80	112	Apr. 1, 1880	
Honolulu, P T W R S	21 19	157 52	5 31 S.	38	86	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	5 6	4	25 27	Dec. 1, 1894	July 1, 1928
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	4	100	Oct. 1, 1899	
Jacksonville, P T W R S	30 20	81 39	27 S.	43	209	198	245	Sept. 11, 1871	
Juneau, P T W R S	58 18	134 24	3 58 S.	80	11	4	54 50	Jan. 5, 1917	Do.
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	11 6	3	62 49	May 1, 1910	Feb. 21, 1928
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	144 153	Aug. 21, 1873	Mar. 12, 1928
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	
Manteo, V [1]	35 54	75 40	03 S.	12	5	3	42	Nov. 10, 1904	
Marquette, P T W R S	46 34	87 24	50 S.	734	77	70	111	May 11, 1871	
Medford, P T W	42 20	122 51	3 11 S.	1,425	4	67	80	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	71	64	164	June 3, 1911	
Miles City, P T W R S [1]	46 25	105 49	2 03 S.	2,371	48	39 41	55	Oct. 1, 1891	Jan. 11, 1928
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	

[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, 1928				Observations began	Dates of changes in elevation during 1928
				Barometer above sea	Thermometer above ground	Rain gage above ground	Anemometer above ground		
	° ′	° ′	h. m.	Feet	Feet	Feet	Feet		
Modena, P T W R S	37 48	113 54	2 36 S.	5,473	10	2	43	Jan. 1, 1901	
Montgomery, P T W R S	32 23	86 18	45 S.	223	100	71	112	Nov. 9, 1870	
Moorhead, P T W R S	46 52	96 44	1 27 S.	940	50	43	58	Jan. 31, 1881	
Nantucket, P T W R S	41 17	70 06	20 F.	12	14	4	90	Oct. 18, 1886	
Nashville, P T W R S	36 10	86 47	47 S.	546	168	161	191	Nov. 1, 1870	
New Haven, P T W R S	41 18	72 56	08 F.	106	74	68	153	Dec. 10, 1872	
New Orleans, P T W R S	29 57	90 04	1 00 S.	53	76	71	84	Nov. 1, 1870	
New York, P T W R S	40 43	74 00	04 F.	314	414	407	454	do	
Norfolk, P T W R S	36 51	76 17	05 S.	91	170	178	205	Jan. 1, 1871	
Northfield, P T W R S	44 10	72 41	09 F.	876	12	3	60	Mar. 1, 1887	
North Head, P T W R S	46 16	124 04	3 16 S.	211	11	3	56	Aug. 1, 1902	
North Platte, P T W R S	41 08	100 45	1 43 S.	2,821	11	3	51	Sept. 18, 1874	
Oklahoma City, P T W R S	35 26	97 33	1 30 S.	1,214	10	3	47	Nov. 1, 1890	
Omaha, P T W R S	41 16	95 56	1 24 S.	1,105	115	107	122	Nov. 1, 1870	
Oswego, P T W R S	43 29	76 35	06 S.	335	76	68	91	do	
Palestine, P T W R S	31 45	95 40	1 23 S.	510	64	57	72	Dec. 3, 1881	
Parkersburg, P T W R S	39 16	81 36	26 S.	637	77	68	82	July 1, 1888	
Pensacola, P T W R S	30 25	87 13	49 S.	56	149	131	185	Oct. 27, 1879	
Peoria, P T W R S	40 43	89 36	58 S.	609	11	4	45	Feb. 1, 1905	
Philadelphia, P T W R S	39 57	75 09	01 S.	114	123	114	182 367	Jan. 1, 1871	Oct. 27, 1928
Phoenix, P T W R S	33 28	112 00	2 28 S.	1,108	10	56	82	Aug. 6, 1895	
Pierre, P T W R S [1]	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	48 07	123 06	3 12 S.	29	8	3	53	Mar. 1, 1916	
Port Arthur, P T W R S	29 52	93 55	1 16 S.	34	58	51	66	Feb. 1, 1917	
Port Huron, P T W R S	43 00	82 26	30 S.	638	70	63	120	July 25, 1874	
Portland, Me., P T W R S	43 39	70 15	19 F.	103	82	75	117	Jan. 15, 1871	
Portland, Oreg., P T W R S	45 32	122 41	3 11 S.	153	68	63	106	Nov. 1, 1870	
Providence, P T W R S	41 50	71 25	14 F.	160	215	211	251	Oct. 22, 1904	
Pueblo, P T W R S	38 18	104 36	1 58 S.	4,685	80	72	86	July 1, 1888	
Raleigh, P T W R S	35 45	78 37	14 S.	376	103	94	110	Apr. 1, 1884	
Rapid City, P T W R S	44 04	103 12	1 53 S.	3,259	50	43	58	Jan. 24, 1881	
Reading, P T W R S	40 20	75 58	04 S.	325	81	73	98	Dec. 1, 1912	
Red Bluff, P T W R S	40 10	122 15	3 09 S.	330	50 5	40 3	56 58	July 1, 1877	July 1, 1928
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	112	132	Jan. 2, 1876	
San Diego, P T W R S	32 43	117 10	2 49 S.	87	62	55	70	Nov. 1, 1871	
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	

[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, 1928				Observations began	Dates of changes in elevation during 1928
				Barometer above sea	Thermometer above ground	Rain gage above ground	Anemometer above ground		
	° ′	° ′	h. m.	Feet	Feet	Feet	Feet		
Sheridan, P T W R S	44 48	106 57	2 08 S.	3,790	10	3	47	Apr. 29, 1907	
Shreveport, P T W R S	32 30	93 40	1 15 S.	249	77	70	93	Sept. 3, 1871	
Sioux City, P T W R S	42 29	96 24	1 26 S.	1,135	94	86	164	Dec. 1, 1887	
Spokane, P T W R S	47 40	117 25	2 50 S.	1,929	101	94	110	Feb. 1, 1881	
Springfield, Ill., P T W R S	39 48	89 39	59 S.	636	10 154	4 148	91 191	July 1, 1879 ----------	Nov. 1, 1928
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	97 65	65 57	113 79	Aug. 22, 1902 ----------	Oct. 1, 1928
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	Mar. 13, 1890	
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	48	63	Nov. 13, 1901	
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	41	58	Aug. 20, 1905	
Toledo, P T W R S	41 40	83 34	34 S.	628	208	201	243	Nov. 1, 1870	
Tonopah, P T W R S [1]	38 04	117 14	2 49 S.	6,090	12	9	20	July 9, 1906	
Topeka, P T W R S	39 03	95 41	1 23 S.	987	92	83	107	June 1, 1887	
Trenton, P T W R S	40 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	3 4	---- 62	June 18, 1915 ----------	Sept. 27, 1928
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 [1]	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	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									
Barrow [1]	71 23	156 17	5 25 S.	13	4	3	16	Sept. 28, 1920	
Bethel [1]	61 43	161 47	5 47 S.	38	6	4	-----	Aug. 22, 1923	
Cordova [1]	60 32	145 42	4 43 S.	43	4	3	45	Mar. 14, 1923	
Dutch Harbor	53 55	166 30	6 06 S.	13	4	3	-----	Aug. 24, 1911	
Eagle	64 46	141 12	4 25 S.	815	4	3	-----	Aug. 20, 1899	
Fort Yukon [1]	66 34	145 18	4 41 S.	------	5	4	-----	Sept. 18, 1923	
Juneau	58 18	134 24	3 58 S.	80	11	4	54	Jan. 5, 1917	
Kodiak	57 47	152 22	5 09 S.	15	6	3	-----	Oct. 3, 1915	
Nome	64 30	165 24	6 02 S.	22	5 4	4 5	49 34	Apr. 1, 1907 ----------	July 19, 1928
St. Paul Island [1]	57 15	170 10	6 21 S.	20	3 4	4 -----	10 26	Sept. 12, 1917 ----------	June 6, 1928
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, 1928				Observations began	Dates of changes in elevation during 1928
				Barometer above sea	Thermometer above ground	Rain gage above ground	Anemometer above ground		
	° ′	° ′	h. m.	Feet	Feet	Feet	Feet		
Barbados [3]									
Bridgetown [1]	13 04	59 37	1 02 F.	30	6	3	30	Aug. 15, 1898	
British Honduras									
Belize [1]	17 30	88 12	53 S.	17	5	3	46	Dec. 1, 1916	
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 1928*

ESTABLISHED

Station	Date established
FIRST ORDER	
Bellefonte, Pa	Sept. 1
Greensboro, N. C	Nov. 1
Redding, Calif	July 24
Yakima, Wash	Nov. 15
THIRD ORDER	
Swan Island, West Indies	July 26
AIRWAY	
Akron, Ohio	Aug. 1
Amelia, Va	June 1
Bakersfield, Calif	Sept. 8
Baltimore, Md	May 1
Bay City, Mich	Aug. 23
Bliss, Idaho	Apr. 1
Boston, Mass	Feb. 8
Canyonville, Oreg	Oct. 1
Cedar City, Utah	Jan. 9
Chehalis, Wash	July 27
Columbus, Ohio	Aug. 1
Daytona Beach, Fla	Dec. 1
Dover, Colo	Feb. 15
Fairfield Air Depot, Ohio	Aug. 1
Florence, Ind	Do.
Fresno, Calif	Sept. 8
Goshen (Visalia), Calif	July 1
Grants Pass, Oreg	July 26
Havre de Grace, Md	May 1
Hornbrook, Calif	July 24
Huntington, Oreg	Jan. 1
Lebec, Calif	July 1
Little Falls, N. Y	Sept. 1
McRae, Ga	Dec. 1
Madison, Kans	Feb. 9
Mesquite, Nev	Feb. 1
Montague, Calif	July 24
Norden, Calif	Jan. 1
Oceanside, Calif	June 10
Palmer Lake, Colo	Jan. 9
Pendleton, Oreg	Jan. 1
Quantico, Va	May 1
St. George, Utah	Jan. 9
Siskiyou, Oreg	Oct. 1
Waycross, Ga	Dec. 1
Wilmington, Del	May 1
Winters, Calif	July 24
Yoncalla, Oreg	July 27
AIRWAY AND RIVER	
Oregon City, Oreg	Aug. 1
AIRWAY AND SECOND ORDER	
Norden, Calif	Apr. 7
CATTLE	
Brigham City, Utah	Apr. 1
Levan, Utah	Do.
Panguitch, Utah	Do.
CORN AND WHEAT	
Ada, Minn	June 15
Stillwater, Okla	July 1
CORN AND WHEAT AND RAINFALL	
Hutchinson, Kans	Mar. 7
Unionville, Mo	Feb. 1
CORN AND WHEAT AND RIVER	
Madison, Ind	Apr. 1
COTTON	
Carrizo Springs, Tex	Apr. 1
COTTON AND RAINFALL	
Evergreen, Ala	Nov. 1
Greenville, Ala	Do.
Lufkin, Tex	Apr. 1
CRANBERRY	
Phillips, Wis	Aug. 6
RAINFALL	
Arnett, Okla	July 1
Berlin, N. H	Feb. 1
Bethel, Vt	Oct. 1
Blakely, Ga	May 16
Chester, Mass	Oct. 1
Cincinnatus, N. Y	June 1
Clayton, Ala	Nov. 1
Cookeville, Tenn	Apr. 16
Dialville, Tex	Apr. 1
Elba, Ala	Nov. 1
Farmington, Me	Feb. 1
Glenwood, Ark	Aug. 1
Great Bend, Pa	June 1
Greenfield, Mass	Oct. 1
Groveton, Tex	Apr. 1
Henderson, Tex	Do.
Littleton, N. H	Oct. 1
Madera, Calif	July 1
Marshall, Tex	Apr. 1
Milo, Me	Feb. 1
Newport, Vt	Oct. 1
Otis, Mass	Sept. 1
Rochester, Vt	Oct. 1
St. Paris, Ohio	Feb. 15
San Luis Obispo, Calif	Mar. 1
Somerset, Vt	Sept 1
Washington Court House, Ohio	Oct. 1
Wellington, Kans	Aug. 1
West Manchester, Ohio	Feb. 15
Winslow, Ind	Jan. 1
Worcester, N. Y	June 1
RIVER	
Blue Rapids, Kans	Feb. 17
Caryville, Fla	Nov. 1
Chanute, Kans	Feb. 15

TABLE II.—*Changes in Weather Bureau stations during 1928*—Continued

ESTABLISHED—Continued

Station	Date established
RIVER—continued	
Clyde, Kans	Feb. 17
Collinsville, Conn	Sept. 1
Geneva, Ala	Nov. 1
Newcomerstown, Ohio	Sept. 1
Newton, Ala	Nov. 1
Oxford, Kans	Aug. 1
River Falls, Ala	Nov. 1
Springfield, Mass	Mar. 1
Troy, Ala	Nov. 1
West Hartford, Vt	Oct. 1
Winfield, Kans	Aug. 1
Woodsville, N. H	Oct. 1
SNOWFALL	
Foxpark, Wyo	July 1
Gascon, N. Mex	Aug. 1
Obsidian, Idaho	do
STORM WARNING	
Miami, Fla. (municipal yacht basin)	June 1
STORM WARNING AND AIRWAY	
Newport Beach, Calif	July 1
West Palm Beach, Fla	Dec. 1

DISCONTINUED

Station	Date discontinued
SECOND ORDER	
Norden, Calif	Apr. 6
Yakima, Wash	Nov. 15
THIRD ORDER	
Swan Island, West Indies	Oct. 31
AIRWAY	
Amelia, Va	Nov. 15
Klamath Falls, Oreg	Aug. 10
Madison, Kans	Nov. 22
Norden, Calif	Apr. 6
CATTLE	
Black Rock, Utah	May 15
Cedar City, Utah	Jan. 9
McGill, Nev	Dec. 31
St. George, Utah	Jan. 9
CORN AND WHEAT	
Ada, Minn	Mar. 31
Langdon, N. Dak	Dec. 31
CORN AND WHEAT AND RAINFALL	
Stillwater, Okla	June 30
CORN AND WHEAT, FRUIT AND RAINFALL	
Hutchinson, Kans	Mar. 6
CORN AND WHEAT, RAINFALL AND AIRWAY	
Unionville, Mo	Jan. 31
COTTON	
Evergreen, Ala	Oct. 31
Greenville, Ala	Do.
Lufkin, Tex	Mar. 31
FRUIT	
Arkansas City, Kans	Mar. 6
RAINFALL	
Bowie, Tex	Sept. 30
Claremore, Okla	June 30
Gatesville, Tex	Oct. 31
Liberty, Tenn	Apr. 15
Littleton, N. H	Dec. 31
Montrose, Pa	Jan. 31
Shattuck, Okla	June 30
Smithfield, W. Va	Do.
Storey, Calif	Do.
Walnut Grove, Miss	Oct. 31
Winslow, Ind	Oct. 15
Woodsville, N. H	Sept. 30
RIVER	
Blue Rapids, Kans	Feb. 29
Central City, Nebr	Mar. 31
Cloverport, Ky	Do.
Clyde, Kans	Feb. 29
Dublin, Ohio	July 31
Gallipolis, Ohio	May 31
Gnadenhutten, Ohio	Aug. 31
Murfreesboro, Ark	Apr. 30
Oregon City, Oreg	July 1
Trenton Falls, N. Y	Dec. 31
RIVER AND CORN AND WHEAT	
Madison, Ind	Mar. 31
SNOWFALL	
Rociada, N. Mex	July 31
Seafoam Mine, Idaho	Do.
STORM WARNING	
Bayfield, Wis	Apr. 14
Cleveland, Ohio (east Government pier)	Apr. 15
Middle Island, Mich	Apr. 30
Newport Beach, Calif	June 30
Port Arthur, Tex	Dec. 31
Presque Isle, Mich	Apr. 30
Skanee, Mich	Do.
Washburn, Wis	Apr. 14
West Palm Beach, Fla	Nov. 30

SUNSHINE, 1928

The following table gives for 163 stations the monthly amounts of sunshine and percentage of the possible, as derived from the automatic records made by an instrument designated the "thermometric recorder," illustrated in preceding volumes of this series.

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

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

Sunshine, 1928

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	125	43	158	52	209	56	257	64	258	57	238	52
Alpena, Mich	110	38	161	53	265	71	282	70	318	69	306	66
Amarillo, Tex	244	78	199	63	248	67	250	64	298	69	339	78
Anniston, Ala	198	63	188	59	212	57	218	56	266	62	213	49
Apalachicola, Fla	192	59	170	52	220	59	289	75	339	80	313	74
Asheville, N. C	191	61	182	58	226	61	188	48	250	57	181	41
Atlanta, Ga	204	65	174	54	214	58	230	59	253	59	249	58
Atlantic City, N. J	195	64	170	55	210	57	237	60	221	50	212	48
Augusta, Ga	226	71	186	58	230	62	262	67	282	65	271	63
Austin, Tex	169	52	155	48	234	63	238	61	271	64	258	61
Baker, Oreg	72	25	146	48	150	40	169	42	405	88	334	72
Baltimore, Md	208	68	181	58	232	63	222	56	254	57	222	50
Binghamton, N. Y	98	33	126	41	133	36	171	43	222	49	207	45
Birmingham, Ala	171	54	181	57	180	49	222	57	310	72	249	58
Bismarck, N. Dak	178	64	193	64	217	59	219	54	294	63	192	40
Block Island, R. I	150	50	170	55	211	57	235	59	227	51	218	48
Boise, Idaho	105	36	192	63	211	57	255	63	402	88	354	76
Boston, Mass	191	65	201	65	247	67	279	70	262	58	249	55
Broken Arrow, Okla	212	68	167	53	229	62	211	54	302	69	188	43
Brownsville, Tex	150	45	98	30	224	60	238	62	301	72	359	87
Buffalo, N. Y	68	23	127	42	178	48	225	56	280	62	227	49
Burlington, Vt	55	19	120	39	151	41	164	41	196	43	226	49
Canton, N. Y	75	26	136	45	158	43	153	38	206	45	225	48
Cape Henry, Va	186	60	183	58	221	60	244	62	279	63	272	62
Charles City, Iowa	180	62	186	61	235	63	251	62	373	82	276	60
Charleston, S. C	197	62	124	39	190	51	261	67	268	62	270	63
Charlotte, N. C	211	67	169	53	215	58	215	55	291	67	303	70
Chattanooga, Tenn	162	52	153	48	166	45	154	39	244	56	144	33
Cheyenne, Wyo	199	67	230	74	266	72	293	73	269	60	261	58
Chicago University, Ill	145	49	147	48	215	58	229	57	325	72	223	49
Cincinnati, Ohio	197	65	122	39	217	58	223	56	319	72	211	47
Cleveland, Ohio	78	26	106	35	197	53	249	62	356	79	245	54
Columbia, Mo	188	62	165	53	262	71	246	62	333	75	234	53
Columbus, Ohio	130	43	113	36	179	48	198	50	315	71	215	48
Concordia, Kans	221	73	209	67	266	72	295	74	341	76	282	63
Dallas, Tex	200	63	168	53	198	53	209	54	272	63	253	59
Dayton, Ohio	146	48	101	32	168	45	178	45	271	61	176	39
Del Rio, Tex	183	56	174	54	286	77	295	76	246	58	303	72
Denver, Colo	213	71	186	60	212	57	280	70	284	64	290	65
Des Moines, Iowa	189	64	186	61	222	60	230	57	326	72	260	57
Detroit, Mich	129	44	147	48	198	53	235	58	336	74	234	51
Devils Lake, N. Dak	187	68	215	72	275	74	267	65	326	69	307	64
Dodge City, Kans	257	84	251	80	287	77	315	80	311	70	282	64
Dubuque, Iowa	173	59	164	53	202	55	236	59	312	69	225	49
Due West, S. C	172	54	138	43	191	51	193	49	259	60	249	58
Eastport, Me	125	44	158	52	188	51	199	49	208	45	243	52
Elkins, W. Va	127	42	88	28	157	42	174	44	253	57	141	32
Ellendale, N. Dak	169	60	200	66	275	74	325	80	364	79	332	71
El Paso, Tex	251	78	226	70	319	86	328	84	304	71	380	89
Erie, Pa	85	29	129	42	234	63	278	69	402	89	320	70
Escanaba, Mich	142	50	166	55	231	62	241	59	304	66	236	50
Eureka, Calif	116	39	150	49	150	41	231	58	266	59	239	53
Evansville, Ind	163	53	138	44	185	50	224	56	323	73	257	58
Fort Smith, Ark	219	70	178	56	237	64	215	55	319	73	218	50
Fort Wayne, Ind	149	50	147	48	206	56	219	55	316	70	263	58

Sunshine, 1928—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.	307	66	264	61	248	66	238	70	141	48	139	49	2,581	57
Alpena, Mich.	304	65	299	69	192	51	136	40	60	21	82	30	2,516	54
Amarillo, Tex.	320	72	298	71	326	88	214	61	205	66	200	66	3,142	70
Anniston, Ala.	233	53	298	72	249	67	229	65	200	64	204	66	2,708	61
Apalachicola, Fla.	296	69	262	64	233	63	281	79	262	82	210	66	3,066	68
Asheville, N. C.	222	50	196	47	198	53	189	54	166	54	168	56	2,358	53
Atlanta, Ga.	283	64	267	64	221	59	246	70	195	63	184	60	2,720	61
Atlantic City, N. J.	310	69	266	63	169	45	265	77	116	38	160	55	2,533	57
Augusta, Ga.	292	67	273	66	236	64	246	70	216	69	215	69	2,935	66
Austin, Tex.	310	72	329	80	201	54	228	64	163	51	192	61	2,747	61
Baker, Oreg.	408	86	394	91	285	76	202	59	110	38	145	53	2,818	60
Baltimore, Md.	313	69	237	56	198	53	251	72	142	47	182	62	2,641	59
Binghamton, N. Y.	243	53	184	43	188	50	162	47	66	22	108	38	1,908	42
Birmingham, Ala.	288	66	292	70	261	70	248	70	189	61	172	56	2,763	62
Bismarck, N. Dak.	299	62	316	72	251	67	223	66	146	52	124	47	2,652	59
Block Island, R. I.	233	51	213	50	180	48	204	59	113	38	164	57	2,318	52
Boise, Idaho	399	85	394	91	276	74	189	55	135	47	143	52	3,055	66
Boston, Mass.	298	65	242	57	193	51	230	67	105	36	171	60	2,669	60
Broken Arrow, Okla.	305	69	321	77	322	87	218	63	132	43	172	57	2,780	62
Brownsville, Tex.	384	91	355	88	219	59	310	87	157	48	160	49	2,956	65
Buffalo, N. Y.	316	68	318	74	264	70	184	54	95	33	87	31	2,370	51
Burlington, Vt.	292	62	230	53	155	41	138	40	73	25	65	23	1,865	40
Canton, N. Y.	294	62	235	54	195	52	156	46	76	26	65	24	1,972	42
Cape Henry, Va.	319	71	293	70	177	47	241	69	180	59	139	46	2,734	61
Charles City, Iowa	365	79	324	75	282	75	192	56	119	41	108	39	2,892	63
Charleston, S. C.	336	77	306	74	200	54	254	72	236	75	199	64	2,841	63
Charlotte, N. C.	284	64	256	62	215	58	218	62	181	58	168	55	2,726	61
Chattanooga, Tenn.	254	58	242	58	248	67	195	56	150	48	140	46	2,251	50
Cheyenne, Wyo.	352	77	340	80	317	85	219	64	195	66	236	82	3,177	72
Chicago University, Ill.	307	66	295	69	274	73	175	51	100	34	110	39	2,544	55
Cincinnati, Ohio	336	74	258	61	287	77	228	66	116	38	148	51	2,664	59
Cleveland, Ohio	325	70	333	78	270	72	178	52	68	23	105	37	2,511	53
Columbia, Mo.	335	74	306	72	284	76	238	69	140	46	170	58	2,902	64
Columbus, Ohio	308	68	273	64	239	64	173	50	77	26	127	44	2,346	51
Concordia, Kans.	329	72	351	83	314	84	218	63	169	56	157	54	3,151	70
Dallas, Tex.	321	74	318	77	270	73	219	62	152	48	206	66	2,785	62
Dayton, Ohio	302	66	259	61	244	65	202	58	74	25	142	49	2,264	50
Del Rio, Tex.	286	67	324	79	209	56	238	67	154	48	180	56	2,877	64
Denver, Colo.	318	70	312	74	272	73	185	54	160	53	245	84	2,956	66
Des Moines, Iowa	342	74	316	74	278	74	193	56	154	52	136	48	2,833	62
Detroit, Mich.	306	66	331	77	258	69	180	53	90	31	99	35	2,544	55
Devils Lake, N. Dak.	325	67	313	71	226	60	171	51	161	58	123	47	2,896	64
Dodge City, Kans.	330	73	330	78	334	89	242	70	209	69	208	70	3,357	75
Dubuque, Iowa	304	66	309	72	259	69	156	45	103	35	100	35	2,544	56
Due West, S. C.	247	56	238	57	209	56	245	70	196	63	160	52	2,499	56
Eastport, Me.	278	59	224	52	190	51	160	47	100	35	115	42	2,189	48
Elkins, W. Va.	251	56	167	39	190	51	177	51	74	25	126	43	1,925	42
Ellendale, N. Dak.	387	81	331	76	273	72	189	56	148	52	172	64	3,164	69
El Paso, Tex.	322	74	243	59	282	76	280	80	222	70	235	75	3,393	76
Erie, Pa.	378	82	368	86	238	64	173	51	61	21	49	17	2,716	57
Escanaba, Mich.	309	65	298	68	199	53	143	42	88	31	112	42	2,470	52
Eureka, Calif.	193	42	182	43	152	41	120	35	120	40	128	45	2,047	44
Evansville, Ind.	398	89	300	71	318	85	216	62	125	41	176	60	2,823	65
Fort Smith, Ark.	321	73	313	75	297	80	223	64	126	41	210	69	2,875	64
Fort Wayne, Ind.	340	74	320	75	279	75	152	44	104	35	109	38	2,603	56

Sunshine, 1928—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	160	52	245	78	241	65	340	86	384	87	430	98
Galveston, Tex	178	55	128	40	174	47	229	59	314	75	297	71
Grand Haven, Mich	86	29	128	42	206	56	243	60	340	75	278	60
Grand Junction, Colo	235	77	221	71	206	55	278	70	284	64	347	78
Grand Rapids, Mich	107	37	108	35	165	45	201	50	316	70	251	55
Green Bay, Wis	172	60	199	66	264	71	208	51	306	66	248	53
Greenville, S. C	223	71	208	66	241	65	211	54	310	71	253	58
Groesbeck, Tex	203	64	171	53	253	68	250	64	330	77	300	70
Harrisburg, Pa	165	55	154	50	209	56	240	60	234	53	187	42
Havre, Mont	139	51	220	74	245	66	250	61	348	73	276	57
Helena, Mont	113	41	204	68	223	60	236	58	374	80	267	56
Honolulu, Hawaii	214	63	227	68	229	61	236	62	236	58	270	67
Houston, Tex	184	57	149	46	215	58	235	61	321	76	294	70
Huron, S. Dak	170	59	201	66	222	60	277	69	336	74	315	68
Indianapolis, Ind	156	52	127	41	198	53	238	60	308	69	200	45
Ithaca, N. Y	98	33	113	36	113	30	167	42	272	60	218	48
Jacksonville, Fla	215	66	150	46	230	62	283	73	292	69	307	73
Juneau, Alaska	46	20	78	29	97	27	160	37	102	20	284	52
Kalispell, Mont	59	21	158	53	180	49	208	51	391	83	278	58
Kansas City, Mo	222	73	195	62	291	78	306	77	370	83	267	60
Key West, Fla	225	67	246	75	315	84	280	73	314	76	272	66
Knoxville, Tenn	202	65	181	57	194	52	185	47	276	63	206	47
La Crosse, Wis	173	60	171	56	229	62	238	59	335	73	217	47
Lander, Wyo	172	59	208	68	249	67	264	66	264	58	270	59
Lansing, Mich	68	23	142	46	240	65	231	57	334	73	269	59
Lexington, Ky	150	49	119	38	142	38	164	41	273	62	142	32
Little Rock, Ark	209	67	167	53	216	58	207	53	325	75	234	54
Los Angeles, Calif	278	88	252	79	214	58	335	86	207	48	278	65
Louisville, Ky	154	50	128	41	202	54	239	60	309	70	235	53
Ludington, Mich	74	25	142	47	216	58	237	59	349	76	245	53
Lynchburg, Va	181	59	153	49	236	64	213	54	297	68	277	63
Macon, Ga	235	74	189	59	231	62	266	68	293	68	285	67
Madison, Wis	165	56	165	54	219	59	221	55	294	65	233	51
Marquette, Mich	107	38	133	44	198	54	211	52	283	60	244	51
Memphis, Tenn	187	60	162	51	212	57	235	60	322	74	262	60
Meridian, Miss	180	56	192	60	178	48	248	64	302	71	275	65
Miami, Fla	226	68	260	79	306	82	288	75	324	78	264	64
Milwaukee, Wis	166	57	155	51	199	54	221	55	292	64	214	47
Minneapolis, Minn	176	61	179	59	228	62	206	51	350	76	252	54
Mobile, Ala	133	41	170	53	214	57	276	71	310	73	263	62
Modena, Utah	255	83	250	80	252	68	322	81	322	73	377	85
New Haven, Conn	194	65	176	57	222	60	236	59	284	63	249	55
New Orleans, La	135	42	125	39	203	55	244	63	326	77	296	70
New York, N. Y	227	76	203	66	237	64	251	63	243	54	196	43
Norfolk, Va	177	57	197	63	243	65	251	63	281	64	290	66
Northfield, Vt	126	43	163	54	188	51	192	47	222	49	222	48
North Head, Wash	66	24	127	42	120	33	192	47	281	61	166	35
North Platte, Nebr	229	77	237	77	286	77	271	68	313	70	272	60
Oklahoma City, Okla	201	64	173	54	234	63	206	53	293	68	256	59
Omaha, Nebr	200	67	201	65	244	66	276	69	319	71	279	62
Parkersburg, W. Va	95	31	98	31	172	46	153	38	235	53	168	38
Pensacola, Fla	137	42	130	40	213	57	252	65	238	56	249	59
Peoria, Ill	181	61	170	55	267	72	285	71	363	81	280	62
Philadelphia, Pa	176	58	177	57	230	62	228	57	277	62	267	60
Phoenix, Ariz	290	91	272	85	341	92	370	95	413	96	427	100

Sunshine, 1928—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	437	98	419	100	364	98	317	91	238	78	132	44	3,707	81
Galveston, Tex	344	80	282	69	216	59	274	77	182	57	210	66	2,830	63
Grand Haven, Mich	338	73	318	74	243	65	132	39	63	22	46	16	2,420	51
Grand Junction, Colo	342	76	295	70	320	86	226	65	142	47	197	67	3,091	69
Grand Rapids, Mich	351	76	328	76	229	61	116	34	66	23	35	13	2,274	48
Green Bay, Wis	301	64	298	69	198	53	144	42	100	35	134	47	2,571	57
Greenville, S. C	283	64	275	66	238	64	238	68	190	61	161	53	2,831	63
Groesbeck, Tex	346	80	344	83	238	64	222	63	134	42	182	58	2,973	66
Harrisburg, Pa	303	67	182	43	194	52	190	55	112	37	157	54	2,327	52
Havre, Mont	334	69	322	72	273	72	164	49	186	68	139	54	2,897	64
Helena, Mont	347	72	305	69	266	71	150	44	164	58	127	48	2,776	60
Honolulu, Hawaii	272	66	282	71	287	78	265	73	184	55	241	71	2,942	66
Houston, Tex	301	70	281	69	187	50	257	73	172	54	168	53	2,762	61
Huron, S. Dak	383	82	317	73	269	72	165	49	147	51	150	54	2,954	65
Indianapolis, Ind	332	73	338	80	310	83	222	64	115	38	157	54	2,702	59
Ithaca, N. Y	306	66	286	67	213	57	155	45	73	25	77	29	2,090	45
Jacksonville, Fla	319	74	262	64	223	60	267	75	243	76	197	62	2,988	67
Juneau, Alaska	170	31	109	23	47	12	62	19	45	19	30	15	1,230	25
Kalispell, Mont	370	77	340	77	306	81	184	55	97	35	51	20	2,623	55
Kansas City, Mo	360	80	352	83	306	82	227	66	172	57	161	55	3,229	71
Key West, Fla	264	63	246	61	195	53	255	71	232	71	275	84	3,120	70
Knoxville, Tenn	260	58	216	52	206	55	205	59	137	44	151	50	2,417	54
La Crosse, Wis	317	68	281	65	266	71	196	58	121	42	122	44	2,667	59
Lander, Wyo	291	63	320	74	241	64	183	54	169	58	208	74	2,841	64
Lansing, Mich	380	82	350	81	276	74	198	58	81	28	81	29	2,650	56
Lexington, Ky	297	66	202	48	261	70	218	63	112	37	161	54	2,240	50
Little Rock, Ark	304	69	294	71	317	85	232	66	144	46	193	63	2,842	63
Los Angeles, Calif	347	79	349	84	337	91	287	82	253	81	252	82	3,390	77
Louisville, Ky	354	79	299	71	289	77	243	70	175	58	200	67	2,824	62
Ludington, Mich	327	70	311	72	236	63	150	44	65	22	68	25	2,420	51
Lynchburg, Va	332	74	240	57	156	42	171	49	156	51	141	47	2,553	56
Macon, Ga	322	74	283	68	231	62	256	73	211	67	199	64	3,001	67
Madison, Wis	314	68	274	64	252	67	144	42	79	27	104	37	2,465	54
Marquette, Mich	290	61	243	55	137	36	46	14	59	21	49	18	2,000	42
Memphis, Tenn	348	79	305	73	329	88	232	66	134	43	186	61	2,912	64
Meridian, Miss	313	72	292	71	270	73	243	69	189	60	186	59	2,868	64
Miami, Fla	292	69	255	63	219	59	259	72	212	65	265	81	3,172	71
Milwaukee, Wis	306	66	327	76	284	76	163	48	96	33	104	37	2,528	55
Minneapolis, Minn	296	63	274	63	229	61	185	55	119	41	112	41	2,605	57
Mobile, Ala	245	57	232	57	214	58	257	73	228	72	191	61	2,733	61
Modena, Utah	356	79	354	84	340	91	292	84	224	74	248	84	3,592	80
New Haven, Conn	298	65	223	52	201	54	266	77	156	53	173	60	2,679	60
New Orleans, La	262	61	268	65	212	57	242	68	223	70	160	51	2,697	60
New York, N. Y	292	64	246	58	260	69	274	80	149	50	175	61	2,753	62
Norfolk, Va	340	76	312	74	200	54	261	75	176	58	142	48	2,869	64
Northfield, Vt	283	61	205	47	130	35	128	38	71	24	75	27	2,005	44
North Head, Wash	172	36	220	50	175	47	133	39	81	29	109	40	1,843	40
North Platte, Nebr	338	74	361	84	321	86	204	59	173	58	191	66	3,196	71
Oklahoma City, Okla	332	75	314	75	305	82	204	58	134	43	138	45	2,790	62
Omaha, Nebr	366	80	301	70	287	77	186	54	160	54	138	48	2,957	65
Parkersburg, W. Va	273	60	186	44	211	57	172	50	54	18	124	42	1,942	42
Pensacola, Fla	262	61	232	57	206	56	238	67	189	59	215	68	2,560	57
Peoria, Ill	371	81	341	80	286	77	195	57	114	38	127	44	2,980	65
Philadelphia, Pa	333	73	213	50	204	55	263	76	134	45	166	57	2,668	59
Phoenix, Ariz	412	94	375	91	359	97	289	82	258	82	267	86	4,074	91

Sunshine, 1928—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
Pittsburgh, Pa	82	27	107	34	194	52	198	50	309	69	257	57
Pocatello, Idaho	90	31	170	55	193	52	231	57	328	72	284	62
Port Angeles, Wash	55	20	90	30	160	43	144	35	331	70	175	36
Port Arthur, Tex	152	47	131	40	171	46	209	54	343	81	293	69
Port Huron, Mich	105	36	122	40	184	50	237	59	284	63	221	48
Portland, Me	151	52	185	61	201	54	241	60	204	45	226	49
Portland, Oreg	55	19	120	40	117	32	158	39	330	71	178	38
Providence, R. I	208	70	195	63	238	64	280	70	274	61	266	58
Pueblo, Colo	237	78	230	73	250	67	276	70	244	55	318	72
Raleigh, N. C	176	57	180	57	236	64	230	58	274	63	267	61
Rapid City, S. Dak	178	62	249	82	254	69	303	75	301	66	238	51
Reading, Pa	160	53	168	54	235	63	246	62	281	63	209	47
Richmond, Va	180	59	169	54	224	60	207	52	243	55	254	57
Rochester, N. Y	67	23	123	40	179	48	221	55	302	66	237	52
Roswell, N. Mex	260	82	239	75	324	87	302	77	329	77	395	92
Royal Center, Ind	154	52	141	45	193	52	235	59	315	70	236	52
Sacramento, Calif	109	36	186	60	162	43	281	70	376	85	428	96
St. Joseph, Mo	229	76	195	63	260	70	248	62	316	71	238	53
St. Louis, Mo	165	54	155	50	216	58	210	53	296	67	236	53
St. Paul, Minn	200	70	177	58	252	68	252	62	323	70	216	46
Salt Lake City, Utah	129	43	182	59	195	53	265	66	315	70	348	77
San Antonio, Tex	180	55	153	47	229	62	235	61	244	58	279	66
San Diego, Calif	266	84	255	80	276	74	331	85	223	52	249	58
Sandy Hook, N. J	178	59	178	57	219	59	232	58	256	57	236	53
San Francisco, Calif	177	58	212	68	210	56	313	79	277	63	388	88
San Jose, Calif	165	53	202	64	179	48	293	74	317	72	385	87
San Juan, P. R	192	55	188	56	182	49	258	69	144	36	252	64
Santa Fe, N. Mex	271	87	188	60	250	67	271	69	285	65	381	87
Sault Ste. Marie, Mich	55	19	128	43	230	62	229	56	239	52	241	51
Savannah, Ga	197	61	134	42	206	55	264	68	268	63	247	58
Scranton, Pa	129	43	169	55	215	58	243	61	288	64	242	53
Seattle, Wash	54	20	105	35	139	38	160	39	312	66	200	42
Sheridan, Wyo	191	67	211	69	235	63	270	67	332	72	286	61
Sioux City, Iowa	187	63	204	66	223	60	233	58	334	74	295	65
Spokane, Wash	34	12	176	59	194	52	258	63	409	87	323	68
Springfield, Ill	175	58	146	47	226	61	236	59	344	77	269	60
Springfield, Mo	183	59	168	53	262	71	239	61	336	77	223	51
Tacoma, Wash	34	12	96	32	131	35	198	48	346	74	230	48
Tampa, Fla	233	71	212	65	284	76	296	77	303	72	318	76
Terre Haute, Ind	157	52	127	41	196	53	211	53	303	68	188	42
Toledo, Ohio	94	32	135	44	179	48	202	50	324	72	228	50
Trenton, N. J	173	58	165	53	220	59	243	61	264	59	234	52
Vicksburg, Miss	163	51	176	55	207	56	256	66	327	76	304	71
Walla Walla, Wash	35	12	161	53	176	48	208	51	397	86	314	67
Washington, D. C	197	65	181	58	224	60	218	55	274	62	237	53
Wichita, Kans	235	77	211	67	266	72	267	67	324	73	272	61
Williston, N. Dak	163	59	211	71	218	59	247	60	359	76	256	53
Wilmington, N. C	211	67	167	52	206	55	257	66	280	65	323	75
Winnemucca, Nev	230	77	256	83	240	65	326	82	403	90	426	94
Wytheville, Va	173	56	153	49	208	56	175	44	270	62	209	47
Yankton, S. Dak	169	58	198	65	210	57	222	55	328	72	272	59
Yellowstone Park, Wyo	93	32	200	66	234	63	231	57	317	69	251	54
Yuma, Ariz	302	95	292	91	349	94	376	96	418	97	428	100

Sunshine, 1928—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
Pittsburgh, Pa	299	65	284	67	198	53	173	50	63	21	139	48	2,302	49
Pocatello, Idaho	338	73	339	79	234	63	206	60	112	38	138	49	2,664	58
Port Angeles, Wash	310	64	301	68	186	49	87	26	64	23	72	27	1,975	41
Port Arthur, Tex	305	71	319	78	217	59	280	79	193	60	174	55	2,787	62
Port Huron, Mich	318	69	317	74	229	61	185	54	94	32	89	32	2,388	52
Portland, Me	289	62	237	55	179	48	183	54	114	40	158	57	2,368	53
Portland, Oreg	294	62	261	60	171	45	100	29	64	22	85	31	1,932	41
Providence, R. I	325	70	276	64	220	59	256	75	144	49	160	56	2,840	63
Pueblo, Colo	339	75	313	74	320	86	225	65	210	69	243	82	3,207	72
Raleigh, N. C	274	62	232	55	174	47	241	69	198	64	148	49	2,631	59
Rapid City, S. Dak	356	76	330	76	264	70	190	56	151	52	186	67	3,002	67
Reading, Pa	271	59	213	50	181	48	194	56	86	29	144	50	2,386	53
Richmond, Va	343	76	259	61	188	50	225	65	167	55	143	48	2,601	58
Rochester, N. Y	312	67	268	62	196	52	157	46	62	21	81	29	2,204	47
Roswell, N. Mex	377	86	279	67	303	82	246	70	217	69	236	76	3,508	78
Royal Center, Ind	332	72	317	74	298	80	180	52	96	32	126	44	2,622	57
Sacramento, Calif	423	93	421	99	334	90	271	78	212	71	122	42	3,325	72
St. Joseph, Mo	310	68	290	68	269	72	198	57	147	49	131	45	2,832	63
St. Louis, Mo	312	69	251	59	270	72	210	61	133	44	166	57	2,621	58
St. Paul, Minn	314	67	299	69	223	59	187	55	123	43	108	39	2,675	59
Salt Lake City, Utah	366	80	360	84	304	81	194	57	106	36	154	53	2,918	63
San Antonio, Tex	307	72	299	73	201	54	240	68	152	47	174	54	2,693	60
San Diego, Calif	320	73	299	72	297	80	253	72	233	74	242	78	3,244	74
Sandy Hook, N. J	285	63	215	51	188	50	248	72	134	45	169	58	2,538	57
San Francisco, Calif	281	63	267	63	276	74	248	71	194	64	204	69	3,046	68
San Jose, Calif	360	81	347	83	298	80	266	76	214	70	212	71	3,238	72
San Juan, P. R	265	65	224	57	188	51	219	60	209	62	212	62	2,534	57
Santa Fe, N. Mex	319	72	297	71	333	89	240	69	194	63	234	77	3,262	73
Sault Ste. Marie, Mich	275	58	285	65	150	40	92	27	61	22	32	12	2,017	42
Savannah, Ga	256	59	215	52	173	47	201	57	212	67	168	53	2,540	57
Scranton, Pa	290	63	231	54	188	50	193	56	90	30	103	36	2,379	52
Seattle, Wash	280	58	259	59	173	46	72	21	45	16	72	27	1,871	39
Sheridan, Wyo	329	70	335	77	282	75	177	52	173	60	171	63	2,993	66
Sioux City, Iowa	330	71	288	67	269	72	177	52	153	52	151	53	2,844	63
Spokane, Wash	399	83	394	89	308	82	159	47	68	24	64	24	2,786	58
Springfield, Ill	369	81	340	80	285	76	212	62	123	41	155	53	2,881	63
Springfield, Mo	362	81	308	73	312	84	242	70	143	47	160	54	2,941	65
Tacoma, Wash	285	59	278	63	199	53	67	20	33	12	68	26	1,966	40
Tampa, Fla	265	62	252	62	179	48	250	70	212	66	206	64	3,009	67
Terre Haute, Ind	330	73	282	67	284	76	209	60	116	38	143	49	2,544	56
Toledo, Ohio	335	73	322	75	263	70	173	50	96	32	101	36	2,452	53
Trenton, N. J	303	66	208	49	177	47	248	72	115	38	157	54	2,508	56
Vicksburg, Miss	328	76	356	86	290	78	253	72	185	59	184	59	3,030	67
Walla Walla, Wash	405	85	374	85	294	78	190	56	95	33	73	27	2,723	57
Washington, D. C	297	66	208	49	162	43	212	61	144	48	171	58	2,527	56
Wichita, Kans	332	74	307	73	314	84	241	69	172	57	178	60	3,118	70
Williston, N. Dak	337	70	321	73	261	69	193	57	186	67	144	55	2,894	64
Wilmington, N. C	295	67	310	75	217	59	270	77	208	67	139	45	2,884	64
Winnemucca, Nev	428	93	400	94	343	92	288	84	207	70	222	77	3,770	83
Wytheville, Va	277	62	210	50	188	51	192	55	129	42	161	54	2,346	52
Yankton, S. Dak	368	79	326	76	280	75	175	51	134	46	133	47	2,815	62
Yellowstone Park, Wyo	340	72	328	75	272	72	180	53	120	42	118	43	2,684	58
Yuma, Ariz	422	97	391	95	364	98	325	92	278	88	266	85	4,210	94

EXCESSIVE RAINFALL, 1928

The following table contains statistics of excessive rainfall during the calendar year 1928. Similar data for the years 1896 to 1927, inclusive, have been presented in the appropriate annual reports of the Chief of the Weather Bureau. The published data prior to 1896 consist of a record of maximum amounts of rainfall in 5 and 10 minute periods, also in 1 and 24 hours. The annual report for 1895–96 contains a summary of the records which up to that time had been made at the principal stations supplied with automatic gauges.

The following table shows, for most stations of the Weather Bureau furnished with self-registering gauges, the accumulated amounts of precipitation for each 5 minutes during all storms of 1928 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 5 indicates; but a few stations within these States had no such fall during 1928; 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 1928 at all stations furnished with self-registering gauges

Station and date	Total duration		Total amount of precipitation	Excessive rate		Amount before excessive rate began	Depths of precipitation (in inches) during periods of time indicated													
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
NEW ENGLAND STATES																				
Eastport, Me.:																				
July 29	12:35 p. m.	1:03 p. m.	0.34	12:49 p. m.	12:56 p. m.	0.01	0.25	0.31												
Aug. 4	6:24 p. m.	[1]D. N. a. m.	1.32	7:31 p. m.	7:54 p. m.	.11	.21	.66	0.96	1.03	1.10									
Sept. 13	7:40 p. m.	10:45 p. m.	1.23	9:28 p. m.	10:21 p. m.	.14	.21	.22	.26	.49	.56	0.72	0.75	0.79	0.82	0.86	1.06			
Oct. 24	[2]9:00 p. m.	D. N. a. m.	.97	1:56 a. m.	2:09 a. m.	.33	.12	.34	.42											
Portland, Me.:																				
Feb. 23	D. N. a.m.	2:30 p. m.	1.76	10:50 a. m.	11:35 a. m.	.75	.06	.12	.19	.27	.35	.44	.55	.64	.70					
Aug. 3	6:40 p. m.	7:55 p. m.	.75	6:43 p. m.	7:09 p. m.	.02	.14	.28	.37	.53	.64	.67								
Concord, N. H.:																				
June 29	11:43 a. m.	5:35 p. m.	1.53	4:17 p. m.	4:46 p. m.	.39	.12	.25	.42	.54	.60	.72								
July 1	12:55 p. m.	2:30 p. m.	.87	12:55 p. m.	1:25 p. m.	0	.14	.29	.49	.61	.72	.82								
July 27	10:10 a. m.	[1]10:50 a. m.	2.70	12:34 p. m.	1:25 p. m.	.03	.07	.15	.23	.24	.27	.39	.54	.63	.72	.86	.94			
Aug. 30	3:20 p. m.	4:00 p. m.	.60	3:25 p. m.	3:53 p. m.	.01	.21	.26	.28	.37	.52	.57								
Burlington, Vt.:																				
July 28	3:25 p. m.	4:20 p. m.	.94	3:31 p. m.	3:59 p. m.	.01	.24	.47	.59	.64	.77	.91								
Aug. 2	9:10 p. m.	D. N. p. m	.38	9:53 p. m.	10:06 p. m.	.01	.15	.30	.34											
Northfield, Vt.[3]																				
Boston, Mass.:																				
June 14	8:56 p. m.	[1]D. N. a. m.	1.03	9:02 p. m.	9:32 p. m.	.03	.07	.26	.40	.49	.73	.78								
July 4	3:15 p. m.	3:58 p. m.	.59	3:18 p. m.	3:48 p. m.	T.	.13	.24	.32	.33	.35	.50								
Sept. 3	5:45 a. m.	1:45 p. m.	1.46	8:45 a. m.	9:25 a. m.	.49	.06	.13	.22	.28	.33	.39	.51	.61						
Sept. 20	[2]D. N. a. m.	9:05 a. m.	2.50	3:50 a. m.	4:20 a. m.	1.44	.05	.10	.21	.27	.37	.55								
Oct. 19–20	8:25 p. m.	D. N. a. m.	1.32	11:43 p. m.	12:08 a. m.	.11	.08	.24	.54	.72	.80									

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

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

Station and date	Total duration		Total amount of precipitation	Excessive rate		Amount before excessive rate began	Depths of precipitation (in inches) during periods of time indicated													
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
NEW ENGLAND STATES—con.																				
Nantucket, Mass.:																				
July 11	8:10 a. m.	10:50 a. m.	.58	8:13 a. m.	8:26 a. m.	0.01	0.26	0.46	0.49											
Sept. 20	[2] 1:25 a. m.	5:20 a. m.	3.82	1:38 a. m.	2:05 a. m.	2.28	.08	.24	.57	0.66	0.78	0.86								
Nov. 3	9:20 p. m.	[2] 6:10 a. m.	1.36	10:35 p. m.	11:10 p. m.	.09	.08	.15	.19	.23	.34	.63	0.78							
Block Island, R. I.:																				
July 28	3:15 a. m.	8:34 a. m.	.37	8:08 a. m.	8:16 a. m.	.06	.21	.30												
Aug. 10	3:55 p. m.	5:15 p. m.	1.13	4:13 p. m.	4:40 p. m.	.05	.25	.49	.68	.84	1.01	1.07								
Sept. 3	1:45 a. m.	8:40 a. m.	3.32	5:32 a. m.	6:22 a. m.	.36	.09	.20	.36	.45	.47	.50	.51	0.54	0.57	0.64				
				6:22 a. m.	7:12 a. m.		.70	.74	.85	.97	1.14	1.30	1.53	1.84	2.17	2.36				
				7:12 a. m.	7:50 a. m.		2.58	2.66	2.67	2.67	2.67	2.69	2.79	2.94						
Do	9:40 a. m.	12:25 p. m.	.77	11:14 a. m.	11:27 a. m.	.11	.13	.31	.38											
Providence, R. I.:																				
July 5	5:10 p.m.	[1] 1:32 a. m.	2.66	10:16 p. m.	10:45 p. m.	.14	.05	.16	.37	.69	.80	.89								
Aug. 10	7:30 p. m.	[1] D. N. a. m.	.85	11:02 p. m.	11:22 p. m.	.24	.22	.39	.45	.52										
Aug. 11	2:02 p. m.	4:10 p. m.	2.00	2:12 p. m.	3:57 p. m.	.02	.08	.13	.30	.50	.75	.80	.84	.84	.84	.84	0.93	1.25	1.75	1.98
Oct. 19	5:13 p. m.	[1] 6:50 a. m.	1.88	11:15 p. m.	11:34 p. m.	.88	.19	.29	.35	.40										
Hartford, Conn.:																				
Aug. 10	8:55 p. m.	10:50 p. m.	.60	9:39 p. m.	10:02 p. m.	.05	.10	.23	.37	.47	.51									
Aug. 30	7:29 p. m.	8:14 p. m.	.51	7:29 p. m.	7:54 p. m.	0	.16	.27	.37	.42	.51									
New Haven, Conn.:																				
July 4	5:20 p.m.	5:48 p. m.	.88	5:22 p. m.	5:45 p. m.	.01	.31	.44	.64	.83	.87									
July 24	[3] 11:45 p. m.	D. N. a. m.	2.40	12:06 a. m.	12:31 a. m.	.01	.52	.99	1.77	2.26	2.32									
Sept. 17	9:23 p. m.	D. N. p. m.	.45	10:06 p. m.	10:26 p. m.	.03	.10	.18	.31	.40										
MIDDLE ATLANTIC STATES																				
Albany, N. Y.:																				
June 14	1:10 p. m.	2:10 p. m.	1.28	1:17 p. m.	1:43 p. m.	.01	.15	.39	.72	1.05	1.17	1.21								
June 25	8:58 p. m.	[1] 2:30 a. m.	.72	11:02 p. m.	11:14 p. m.	.32	.16	.35	.36											
Aug. 5	6:45 p. m.	[1] 5:50 a. m.	.98	7:55 p. m.	8:06 p. m.	.08	.36	.56	.58											
Sept. 17	3:07 p. m.	3:45 p. m.	.87	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	.87						
Binghamton, N. Y.:																				
May 22	6:55 p. m.	8:05 p. m.	.73	6:59 p. m.	7:24 p. m.	.01	.11	.32	.43	.53	.59									
June 9	12:30 p. m.	7:55 p. m.	.95	4:04 p. m.	4:14 p. m.	.48	.19	.38												
June 18	5:20 a. m.	5:45 a. m.	.33	5:28 a. m.	5:33 a. m.	.01	.30													
June 25	4:35 p. m.	9:00 p. m.	1.04	5:18 p. m.	5:34 p. m.	.09	.13	.25	.44	.47										
July 27	4:45 a. m.	7:15 a. m.	1.04	6:20 a. m.	6:56 a. m.	.16	.17	.25	.35	.44	.62	.70	.86	.88						
New York, N. Y.:																				
June 19	2:43 p. m.	8:10 p. m.	1.13	3:10 p. m.	3:50 p. m.	.05	.06	.13	.21	.38	.53	.72	.91	1.00						
June 24 [4]	[2] 6:50 p. m.	7:15 a. m.	.57	2:34 a. m.	2:54 a. m.	.05	.11	.23	.33	.48										
July 12 [4]	6:40 p. m.	9:20 p. m.	.97	6:47 p. m.	7:07 p. m.	.02	.33	.60	.66	.71										
July 22	6:35 p. m.	[1] 8:35 a. m.	.63	9:07 p. m.	9:32 p. m.	.05	.05	.18	.27	.45	.55									
Harrisburg, Pa.:																				
May 19	D. N. p. m.	D. N. p. m.	.71	10:30 p. m.	10:45 p. m.	.14	.16	.36	.44											
June 24	7:40 p. m.	[1] D. N. a. m.	.98	9:25 p. m.	9:40 p. m.	.08	.20	.51	.57											
June 25	4:18 p. m.	11:30 p. m.	1.80	4:30 p. m.	6:05 p. m.	T.	.33	.49	.49	.49	.50	.52	.62	.62	.62	.63	.94	1.40	1.72	
June 29	1:58 p. m.	4:15 p. m.	1.12	2:00 p. m.	2:35 p. m.	T.	.14	.30	.45	.60	.63	.70	.82							
July 4	2:31 p. m.	4:05 p. m.	.58	2:34 p. m.	2:44 p. m.	T.	.36	.52												
July 12	3:25 p. m.	7:43 p. m.	.58	5:40 p. m.	5:50 p. m.	.01	.20	.41												
July 20	6:02 p. m.	7:08 p. m.	.54	6:05 p. m.	6:13 p. m.	T.	.44	.54												
July 23	1:02 p. m.	1:20 p. m.	.64	1:06 p. m.	1:15 p. m.	T.	.59	.64												
Aug. 4	5:10 p. m.	8:50 p. m.	.78	5:24 p. m.	5:39 p. m.	T.	.18	.46	.68											
Aug. 6	12:12 a. m.	3:20 a. m.	.90	12:49 a. m.	1:20 a. m.	.03	.09	.13	.21	.35	.61	.85	.86							
Philadelphia, Pa.:																				
June 9	5:20 p. m.	6:55 p. m.	.74	6:23 p. m.	6:41 p. m.	.32	.05	.26	.35	.41										
June 19	4:11 p. m.	5:20 p. m.	1.28	4:17 p. m.	4:48 p. m.	.02	.12	.25	.47	.69	1.08	1.20	1.24							
July 4	3:35 p. m.	4:15 p. m.	.79	3:38 p. m.	3:52 p. m.	.01	.21	.54	.64											
Reading, Pa.:																				
May 19-20	7:00 p. m.	4:30 a. m.	1.31	11:31 p. m.	12:11 a. m.	.11	.06	.16	.23	.30	.40	.51	.57	.62						
June 14	4:20 p. m.	6:20 p. m.	.72	4:28 p. m.	4:43 p. m.	.01	.17	.35	.40											
June 24	10:20 p. m.	[1] 12:10 a. m.	.48	11:35 p. m.	11:42 p. m.	.11	.30	.33												
June 25	7:17 p. m.	11:30 p. m.	1.12	7:30 p. m.	7:43 p. m.	.03	.13	.31	.35											
June 29	3:10 a. m.	8:35 a. m.	1.26	7:04 a. m.	7:32 a. m.	.60	.10	.22	.36	.45	.55	.63								
July 12	5:00 p. m.	8:05 p. m.	.90	5:28 p. m.	5:47 p. m.	.16	.19	.32	.42	.47										
Aug. 25	12:01 a. m.	3:47 a. m.	.84	12:36 a. m.	1:11 a. m.	.02	.07	.17	.28	.41	.54	.65	.73							
Oct. 5	6:50 p. m.	9:00 p. m.	1.26	7:46 p. m.	8:34 p. m.	.03	.19	.28	.31	.32	.36	.46	.71	.94	1.15	1.22				
Scranton, Pa.:																				
May 5	6:34 p. m.	11:15 p. m.	.70	6:36 p. m.	6:50 p. m.	.01	.32	.40	.45											
July 4	1:48 p. m.	2:24 p. m.	.65	1:55 p. m.	2:07 p. m.	.02	.41	.55	.59											
July 5	10:31 a. m.	9:10 p. m.	2.23	12:49 p. m.	1:00 p. m.	.19	.26	.40	.43											
Do	10:31 a. m.	9:10 p. m.	2.23	1:55 p. m.	2:15 p. m.	.93	.15	.37	.57	.69										
July 10	7:39 a. m.	1:40 p. m.	1.15	12:09 p. m.	12:44 p. m.	.24	.07	.22	.31	.37	.55	.74	.85							
July 13-14	4:40 p. m.	7:20 a. m.	1.21	11:58 p. m.	12:10 a. m.	.29	.17	.30	.39	.42										
July 19	3:57 p. m.	5:04 p. m.	1.20	3:57 p. m.	4:33 p. m.	0	.35	.63	.76	.80	.89	1.00	1.07	1.12						
July 27	10:43 a. m.	12:46 p. m.	.72	11:35 a. m.	11:46 a. m.	.13	.16	.49	.51											
Aug. 5	12:03 p. m.	2:15 p. m.	1.37	12:57 p. m.	1:46 p. m.	.32	.07	.17	.32	.50	.64	.75	.80	.85	.96	1.03				
Aug. 6	5:10 p. m.	[1] D. N. a. m.	1.83	5:24 p. m.	5:59 p. m.	.01	.22	.38	.58	.83	.97	1.07	1.13							
Atlantic City, N. J.:																				
Apr. 22	4:25 p. m.	7:25 p. m.	.75	5:38 p. m.	5:56 p. m.	.13	.18	.29	.38	.44										
June 6	3:25 p. m.	3:43 p. m.	.29	3:38 p. m.	3:43 p. m.	.01	.28													
July 14	2:30 p. m.	5:35 p. m.	1.20	3:13 p. m.	3:33 p. m.	.01	.10	.50	.76	.88										
Aug. 11	6:48 a. m.	[1] 9:50 a. m.	3.65	9:52 a. m.	10:13 a. m.	.28	.14	.26	.48	.54	.58									
Aug. 12	[2] 6:48 a. m.	9:50 a. m.	3.65	1:36 a. m.	1:59 a. m.	1.97	.07	.16	.37	.52	.55									
Do	[2] 6:48 a. m.	9:50 a. m.	3.65	5:38 a. m.	5:53 a. m.	2.82	.07	.23	.36											
Aug. 30	9:07 p. m.	10:15 p. m.	.50	9:42 p. m.	9:57 p. m.	.07	.08	.24	.41											

[1] On following date. [2] On previous date. [4] From defective record.

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

Station and date	Total duration		Total amount of precipitation	Excessive rate		Amount before excessive rate began	Depths of precipitation (in inches) during periods of time indicated													
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
MIDDLE ATLANTIC STATES—con.																				
Sandy Hook, N. J.:																				
June 9	5:52 p. m.	[1]D. N. a. m.	1.37	5:55 p. m.	6:05 p. m.	0.01	0.23	0.46												
June 26	1:30 p. m.	2:05 p. m.	.54	1:53 p. m.	2:02 p. m.	.11	.32	.43												
July 5	4:50 p. m.	8:45 p. m.	1.55	5:53 p. m.	6:39 p. m.	.07	.06	.19	0.29	0.41	0.45	0.53	0.59	0.67	0.87	0.89				
Do	4:50 p. m.	8:45 p. m.	1.55	7:30 p. m.	7:40 p. m.	1.09	.21	.34												
July 6	D. N. a. m.	12:30 p. m.	1.71	1:38 a. m.	2:38 a. m.	.21	.06	.12	.24	.36	.46	.56	.67	.72	.77	.83	0.94			
July 12	6:00 p. m.	6:40 p. m.	.58	6:05 p. m.	6:25 p. m.	.01	.07	.18	.43	.56										
July 20	12 noon.	12:45 p. m.	.50	12:18 p. m.	12:38 p. m.	.10	.13	.24	.30	.40										
Do	1:55 p. m.	2:15 p. m.	.34	2:00 p. m.	2:08 p. m.	.01	.23	.33												
Aug 10	8:45 p. m.	[1] 6:00 a. m.	3.05	8:59 p. m.	10:12 p. m.	.02	.16	.33	.54	.81	1.07	1.24	1.34	1.56	1.72	1.82	2.31	2.82		
Trenton, N. J.:																				
June 5	8:27 p. m.	[1]D. N. a. m.	.93	10:35 p. m.	10:56 p. m.	.12	.13	.31	.33	.42	.45									
June 6	2:12 p. m.	2:27 p. m.	.29	2:19 p. m.	2:25 p. m.	.01	.25	.28												
June 19	3:42 p. m.	5:05 p. m.	.65	3:46 p. m.	4:04 p. m.	.01	.23	.47	.54	.59										
June 29	6:31 p. m.	6:52 p. m.	.34	6:31 p. m.	6:36 p. m.	0	.31													
July 13	8:58 a. m.	9:40 a. m.	.63	8:58 a. m.	9:13 a. m.	0	.20	.42	.52											
Aug. 6	3:08 a. m.	D. N. a. m.	.46	3:14 a. m.	3:27 a. m.	.05	.21	.31	.38											
Oct. 19	6:35 p. m.	7:38 p. m.	.46	6:44 p. m.	6:51 p. m.	.01	.31	.37												
Baltimore, Md.:																				
May 19	8:05 p. m.	9:00 p. m.	.37	8:33 p. m.	8:45 p. m.	.01	.18	.33	.36											
May 26	10:06 p. m.	D. N. a. m.	.57	10:22 p. m.	10:34 p. m.	.04	.16	.35	.40											
June 9	6:18 p. m.	6:45 p. m.	.42	6:23 p. m.	6:31 p. m.	.01	.34	.40												
July 13	11:48 a. m.	2:20 p. m.	1.05	12:06 p. m.	12:22 p. m.	.02	.11	.33	.54	.59										
Do	11:48 a. m.	2:20 p. m.	1.05	1:26 p. m.	1:45 p. m.	.62	.09	.19	.35	.40										
July 21	10:22 p. m.	11:50 p. m.	.56	10:37 p. m.	11:07 p. m.	.02	.11	.13	.17	.32	.44	.51								
Aug 17	[2]11:40 a. m.	7:15 a. m.	3.05	12:17 a. m.	1:46 a. m.	1.03	.06	.18	.22	.25	.29	.36	.40	.45	.50	.54	.64	1.22	1.42	
Do	12:10 p. m.	12:48 p. m.	.47	12:25 p. m.	12:42 p. m.	.01	.18	.36	.44	.46										
Aug. 25	7:20 p. m.	11:50 p. m.	.79	9:11 p. m.	9:43 p. m.	.11	.15	.28	.36	.43	.50	.57	.60							
Washington, D. C.:																				
Feb. 14	8:05 a. m.	5:10 p. m.	.95	4:27 p. m.	4:37 p. m.	.57	.19	.31												
May 19	7:15 p. m.	8:15 p. m.	.37	7:27 p. m.	7:34 p. m.	.01	.24	.32												
July 13	5:50 p. m.	7:35 p. m.	.86	6:45 p. m.	7:06 p. m.	.35	.07	.25	.31	.45	.48									
July 28	2:30 p. m.	3:35 p. m.	.55	2:59 p. m.	3:10 p. m.	.01	.16	.42	.45											
Aug. 7	5:25 p. m.	8:20 p. m.	.79	6:18 p. m.	6:43 p. m.	.07	.15	.32	.45	.54	.67									
Aug. 11	6:00 a. m.	[1] 2:30 p. m.	7.46	6:40 p. m.	8:13 p. m.	.86	.11	.18	.26	.35	.49	.61	.69	.82	.92	1.01	1.14	1.91	2.33	
Do	6:00 a. m.	[1] 2:30 p. m.	7.46	8:55 p. m.	9:20 p. m.	3.50	.13	.22	.32	.41	.49									
Do	6:00 a. m.	[1] 2:30 p. m.	7.46	11:07 p. m.	12 mdnt.	4.89	.10	.20	.43	.50	.57	.66	.71	.75	.80	.95	1.12			
Aug. 16	8:20 p. m.	[1] 6:25 a. m.	1.46	11:20 p. m.	11:48 p. m.	.42	.13	.23	.34	.46	.52	.57								
Aug. 21	10:35 p. m.	[1] 2:10 a. m.	1.12	10:48 p. m.	11:17 p. m.	.03	.12	.40	.57	.73	.85	.92								
Aug. 25	5:55 p. m.	9:25 p. m.	1.68	6:46 p. m.	7:58 p. m.	.07	.07	.15	.17	.22	.28	.38	.45	.52	.63	.85	1.16	1.42		
Sept. 3	[2] 7:15 p. m.	8:30 a. m.	1.02	4:19 a. m.	4:48 a. m.	.28	.10	.18	.31	.36	.48	.57								
Nov. 19	4:25 p. m.	7:15 p. m.	.66	4:34 p. m.	4:46 p. m.	.01	.17	.40	.43											
Cape Henry, Va.:																				
Jan. 24	7:30 p. m.	11:15 p. m.	.60	10:44 p. m.	10:54 p. m.	.08	.32	.50												
June 11	7:25 a. m.	9:00 a. m.	.54	8:02 a. m.	8:20 a. m.	.13	.11	.23	.36	.39										
June 14	5:45 p. m.	6:40 p. m.	.66	5:40 p. m.	6:18 p. m.	.01	.23	.38	.46	.52	.55	.61								
June 19	10:35 p. m.	[1]12:10 a. m.	.51	11:26 p. m.	11:41 p. m.	.02	.12	.27	.45											
June 21-22	11:50 p. m.	3:00 a. m.	.64	11:56 p. m.	12:05 a. m.	.01	.22	.49												
June 27	12:35 p. m.	9:00 p. m.	1.92	12:37 p. m.	12:55 p. m.	.01	.12	.42	.77	.87										
Do	12:35 p. m.	9:00 p. m.	1.92	2:07 p. m.	2:18 p. m.	.98	.19	.33	.38											
June 29	7:25 p. m.	9:00 p. m.	.39	7:47 p. m.	7:56 p. m.	.03	.12	.31												
July 5	9:30 p. m.	11:00 p. m.	.73	9:48 p. m.	10:18 p. m.	.10	.17	.35	.41	.43	.45	.60								
July 23	3:10 p. m.	6:20 p. m.	.81	3:15 p. m.	3:22 p. m.	.01	.35	.37												
July 28-29	11:15 p. m.	1:10 a. m.	1.93	11:34 p. m.	12:22 a. m.	.01	.15	.33	.75	.88	.90	.93	1.18	1.61	1.86	1.91				
Aug. 31	4:30 p. m.	5:00 p. m.	.65	4:38 p. m.	4:46 p. m.	.01	.55	.64												
Do	5:30 p. m.	7:30 p. m.	.96	5:30 p. m.	5:42 p. m.	0	.43	.80	.82											
Sept. 4	6:30 a. m.	3:45 p. m.	1.62	10:30 a. m.	11:25 a. m.	.11	.35	.65	.80	.93	.99	1.09	1.13	1.14	1.14	1.23	1.38			
Sept. 12	2:55 p. m.	7:20 p. m.	.66	3:26 p. m.	3:56 p. m.	.07	.06	.19	.28	.42										
Sept. 23	1:40 p. m.	2:25 p. m.	.73	1:56 p. m.	2:11 p. m.	.02	.24	.52	.70											
Lynchburg, Va.:																				
June 20	9:05 p. m.	10:40 p. m.	.89	9:38 p. m.	9:48 p. m.	.01	.20	.86												
June 24	4:30 p. m.	5:15 p. m.	.54	4:41 p. m.	4:59 p. m.	.01	.15	.28	.42	.47										
July 9	9:20 p. m.	11:50 p. m.	1.14	10:35 p. m.	11:32 p. m.	.01	.21	.34	.38	.39	.44	.59	.75	.87	.93	1.00	1.10			
				11:16 a. m.	12:06 p. m.	4.22	.07	.15	.21	.26	.30	.48	.58	.65	.68	.72				
Aug. 11	[2]11:45 p. m.	9:10 p. m.	7.52	12:06 p. m.	12:56 p. m.	------	.75	.79	.86	.92	1.01	1.11	1.22	1.32	1.42	1.49				
				12:56 p. m.	1:36 p. m.	------	1.59	1.69	1.77	1.86	1.91	1.96	2.09	2.17						
Aug. 25	10:00 p. m.	[1] 2:30 a. m.	1.31	10:46 p. m.	11:32 p. m.	.02	.21	.34	.44	.51	.62	.75	.89	.94	1.01	1.06				
Aug. 26	5:20 p. m.	7:20 p. m.	1.44	5:25 p. m.	5:35 p. m.	T.	.22	.39												
Do	5:20 p. m.	7:20 p. m.	1.44	6:05 p. m.	6:40 p. m.	.48	.19	.30	.30	.31	.42	.59	.71							
Norfolk, Va.:																				
June 11	7:00 a. m.	10:25 a. m.	.77	7:32 a. m.	7:57 a. m.	.03	.19	.33	.44	.53	.68									
June 21	D. N. a. m.	D. N. a. m.	.63	1:49 a. m.	2:06 a. m.	.15	.11	.20	.43	.48										
Do	11:25 p. m.	[1]D. N. a. m.	.56	11:28 p. m.	11:40 p. m.	.01	.23	.38	.42											
June 23	D. N. a. m.	D. N. a. m.	.35	3:48 a. m.	4:00 a. m.	.01	.15	.32	.34											
June 27	11:35 a. m.	12:35 p. m.	1.02	11:41 a. m.	12:10 p. m.	.04	.17	.33	.44	.58	.77	.97								
Do	1:26 p. m.	7:25 p. m.	1.16	1:28 p. m.	1:53 p. m.	.01	.14	.33	.36	.48	.57									
July 5	9:12 p. m.	10:10 p. m.	.58	9:22 p. m.	9:40 p. m.	.03	.07	.29	.47	.52										
July 11	1:49 p. m.	4:00 p. m.	.75	1:56 p. m.	2:19 p. m.	.02	.16	.37	.35	.41	.44									
Aug. 7	2:58 p. m.	3:30 p. m.	.43	3:11 p. m.	3:24 p. m.	.02	.16	.34	.41											
Sept. 4	6:05 a. m.	3:05 p. m.	1.94	10:00 a. m.	10:44 a. m.	.10	.41	.78	1.06	1.18	1.32	1.46	1.48	1.54	1.67					
Sept. 12	1:30 p. m.	6:40 p. m.	1.09	1:42 p. m.	1:57 p. m.	.01	.28	.33	.37											

[1] On following date. [2] On previous 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 1928 at all stations furnished with self-registering gauges—Continued

Station and date	Total duration		Total amount of precipitation	Excessive rate		Amount before excessive rate began	Depths of precipitation (in inches) during periods of time indicated													
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
MIDDLE ATLANTIC STATES—continued																				
Richmond, Va.:																				
June 4	7:22 a. m.	12:15 p. m.	0.63	7:40 a. m.	7:51 a. m.	0.06	0.16	0.42	0.44											
June 14	2:47 p. m.	3:22 p. m.	.57	3:07 p. m.	3:16 p. m.	.05	.27	.52												
June 21	10:05 p. m.	11:30 p. m.	.64	10:10 p. m.	10:26 p. m.	.01	.17	.39	.56	0.59										
June 23	2:45 p. m.	3:30 p. m.	.73	3:02 p. m.	3:25 p. m.	.05	.08	.16	.37	.60	0.68									
June 25	6:10 p. m.	7:05 p. m.	1.41	6:29 p. m.	6:55 p. m.	.02	.35	.65	.94	1.13	1.35	1.38								
Aug. 9	4:37 p. m.	6:30 p. m.	.79	4:46 p. m.	5:06 p. m.	.01	.18	.50	.69	.74										
Aug. 11	3:55 p. m.	[1] 7:25 p. m.	3.56	4:36 p. m.	5:31 p. m.	.23	.11	.31	.61	.93	1.26	1.32	1.34	1.36	1.48	1.57	1.67			
Aug. 31	3:04 p. m.	4:50 p. m.	.65	3:10 p. m.	3:20 p. m.	.01	.32	.57												
Wytheville, Va.:																				
June 5	3:57 p. m.	5:20 p. m.	.65	4:42 p. m.	4:59 p. m.	.02	.10	.30	.49	.62										
July 31	1:07 p. m.	8:20 p. m.	1.66	2:50 p. m.	3:13 p. m.	.75	.17	.25	.43	.53	.61									
SOUTH ATLANTIC STATES																				
Asheville, N. C.: [5]																				
June 22	2:40 p. m.	5:20 p. m.	1.23	3:09 p. m.	3:36 p. m.	.05	.14	.42	.71	.99	1.10	1.14								
Aug. 12	7:15 p. m.	10:00 p. m.	1.33	7:19 p. m.	8:23 p. m.	.01	.13	.21	.34	.44	.49	.49	.50	.55	.72	.96	1.17	1.30		
Charlotte, N. C.: [6]																				
Aug. 8	6:00 p. m.	D. N. p. m.	1.30	6:26 p. m.	7:06 p. m.	.01	.18	.24	.28	.41	.61	.78	.96	1.03						
Aug. 15	5:45 a. m.	[1] D. N. a. m.	3.67	11:30 p. m.	11:55 p. m.	1.77	.14	.31	.57	1.20	1.38									
Hatteras, N. C.: [6]																				
Apr. 23	7:19 p. m.	D. N. p. m.	2.84	8:26 p. m.	9:51 p. m.	.03	.06	.21	.33	.41	.56	.73	1.01	1.16	1.49	1.82	2.08	2.60	2.73	
Sept. 5	9:55 a. m.	7:15 p. m.	7.90	10:22 a. m.	11:38 a. m.	.14	.06	.30	.65	1.19	1.75	2.22	2.65	3.06	3.54	4.05	5.26	5.52		
Sept. 18	10:43 a. m.	1:57 p. m.	2.44	12:13 p. m.	1:39 p. m.	.11	.14	.30	.44	.64	.72	1.19	1.23	1.26	1.37	1.49	1.73	2.16	2.33	
Raleigh, N. C.: [5]																				
June 22	9:59 p. m.	11:15 p. m.	1.20	9:59 p. m.	10:36 p. m.	0	.08	.24	.47	.68	.80	.91	1.10	1.15						
Aug. 8	2:10 p. m.	5:15 p. m.	2.59	2:15 p. m.	3:25 p. m.	.03	.16	.27	.35	.38	.54	.71	.93	.99	1.11	1.24	1.87	2.28		
Aug. 25	2:30 p. m.	8:15 p. m.	1.90	3:01 p. m.	3:42 p. m.	.04	.08	.21	.49	.81	1.08	1.33	1.51	1.61	1.66					
Wilmington, N. C.: [5]																				
Apr. 23	7:55 a. m.	1:25 p. m.	2.18	9:09 a. m.	10:15 a. m.	.30	.19	.38	.46	.51	.61	.79	.94	.99	1.19	1.41	1.54	1.72		
May 23-24	6:00 p. m.	D. N. a. m.	1.91	11:05 p. m.	12:05 a. m.	.06	.15	.36	.58	.72	.81	.85	.91	1.00	1.10	1.18	1.34			
June 27	1:56 p. m.	5:05 p. m.	1.30	2:57 p. m.	3:45 p. m.	.06	.11	.20	.41	.62	.67	.76	.95	1.06	1.12	1.16				
Aug. 17	4:50 p. m.	5:50 p. m.	1.92	5:00 p. m.	5:44 p. m.	.01	.20	.33	.57	.85	1.00	1.23	1.65	1.83	1.89					
Aug. 19	5:55 p. m.	7:30 p. m.	1.43	6:05 p. m.	6:57 p. m.	.02	.09	.17	.29	.42	.64	.84	1.01	1.12	1.21	1.31	1.39			
Sept. 18	12:30 a. m.	11:30 a. m.	4.52	8:06 a. m.	8:46 a. m.	1.92	.14	.26	.47	.70	.90	1.00	1.06	1.15						
Charleston, S. C.: [6]																				
Aug. 13	1:06 a. m.	D. N. a. m.	1.26	1:24 a. m.	2:16 a. m.	.04	.10	.16	.33	.52	.62	.64	.71	.80	.94	1.09	1.17			
Sept. 5	[2] 9:12 p. m.	7:25 a. m.	3.23	4:13 a. m.	4:55 a. m.	1.46	.39	.58	.79	1.05	1.10	1.16	1.31	1.39	1.43					
Sept. 18	[2] 4:10 p. m.	12:35 p. m.	7.96	3:47 a. m.	4:37 a. m.	3.61	.10	.18	.32	.40	.45	.52	.56	.58	.61	.63				
				4:37 a. m.	5:27 a. m.		.70	.79	.86	.97	1.25	1.52	1.95	2.45	2.63	2.64				
				5:27 a. m.	5:57 a. m.		2.65	2.66	2.69	2.72	2.85	3.06								
Columbia, S. C.: [5]																				
May 21	3:50 p. m.	5:30 p. m.	2.02	3:57 p. m.	4:36 p. m.	.01	.39	.83	1.16	1.48	1.67	1.81	1.89	1.95						
July 7	12:10 p. m.	2:40 p. m.	2.48	12:18 p. m.	1:27 p. m.	.01	.13	.27	.59	.95	1.20	1.39	1.67	1.81	1.87	1.93	2.22	2.45		
July 16	1:40 p. m.	2:55 p. m.	1.46	1:45 p. m.	2:29 p. m.	.01	.16	.19	.26	.37	.72	.97	1.15	1.31	1.40					
Sept. 5	3:30 p. m.	[1] 7:35 a. m.	5.49	9:02 p. m.	9:52 p. m.	.87	.14	.29	.45	.59	.74	.87	.95	1.07	1.14	1.15				
				9:52 p. m.	10:42 p. m.		1.19	1.19	1.27	1.33	1.42	1.49	1.63	1.75	1.89	1.99				
				10:42 p. m.	11:09 p. m.		2.13	2.27	2.37	2.50	2.62	2.66								
Due West, S. C.: [5]																				
Aug. 15	[2] 6:05 p. m.	[1] 1:00 a. m.	5.80	2:06 p. m.	3:06 p. m.	2.72	.08	.18	.33	.50	.57	.58	.64	.75	.95	1.25	1.59			
Aug. 19	5:00 p. m.	5:59 p. m.	1.37	5:10 p. m.	5:30 p. m.	.02	.34	.80	1.05	1.30										
Greenville, S. C.: [5]																				
July 8	8:40 a. m.	9:40 a. m.	1.29	8:45 a. m.	9:13 a. m.	.01	.07	.15	.39	.73	1.11	1.27								
July 9-10	8:20 p. m.	D. N. a. m.	3.60	11:11 p. m.	12:05 a. m.	.18	.33	.80	1.18	1.56	1.91	2.30	2.60	2.91	3.16	3.34	3.42			
Aug. 15	[2] 8:15 p. m.	[1] 6:30 a. m.	6.85	12:05 p. m.	12:50 p. m.	2.52	.08	.24	.36	.41	.54	.74	.94	1.06	1.14					
Do	[2] 8:15 p. m.	[1] 6:30 a. m.	6.85	3:19 p. m.	3:51 p. m.	4.45	.05	.16	.38	.66	.87	1.13	1.18							
Augusta, Ga.: [5]																				
May 23	D. N. a. m.	8:10 a. m.	2.02	7:15 a. m.	7:34 a. m.	1.22	.07	.35	.69	.79										
July 13	5:18 p. m.	6:35 p. m.	.68	5:22 p. m.	5:53 p. m.	.01	.10	.28	.33	.43	.51	.58	.61							
July 26	5:55 p. m.	7:30 p. m.	.78	6:25 p. m.	6:57 p. m.	.03	.22	.40	.47	.58	.58	.68	.73							
Aug. 8	1:45 p. m.	2:50 p. m.	1.02	1:45 p. m.	2:08 p. m.	0	.18	.50	.75	.93	.97									
Oct. 22	4:40 p. m.	5:50 p. m.	.77	5:11 p. m.	5:36 p. m.	.16	.13	.28	.39	.46	.59									
Savannah, Ga.: [5]																				
July 26	9:45 p. m.	[1] D. N. a. m.	1.91	10:20 p. m.	11:09 p. m.	.18	.10	.24	.39	.57	.71	.84	.97	1.05	1.20	1.29				
Aug. 3	2:10 p. m.	3:25 p. m.	1.45	2:17 p. m.	2:59 p. m.	.01	.20	.59	.74	.95	1.17	1.20	1.29	1.37	1.40					
Aug. 5	12:28 p. m.	2:15 p. m.	1.14	12:30 p. m.	1:02 p. m.	.01	.24	.44	.62	.76	.84	.99	1.02							
				11:50 p. m.	12:40 a. m.	4.88	.11	.22	.32	.37	.41	.45	.55	.62	.68	.71				
Sept. 17-18	12:20 p. m.	D. N. p. m.	11.43	12:40 a. m.	1:30 a. m.		.77	.84	.93	1.11	1.24	1.34	1.38	1.47	1.57	1.82				
				1:30 a. m.	2:12 a. m.		2.01	2.13	2.18	2.26	2.55	2.84	3.01	3.15	3.20					
Jacksonville, Fla.: [5]																				
Apr. 23	6:57 a. m.	12:55 p. m.	1.90	11:58 a. m.	12:37 p. m.	.57	.07	.17	.32	.48	.77	1.10	1.25	1.31						
July 8	2:25 p. m.	3:55 p. m.	1.94	2:27 p. m.	3:13 p. m.	.01	.31	.57	.89	1.07	1.26	1.42	1.50	1.70	1.88	1.90				
July 13	4:14 p. m.	5:20 p. m.	1.19	4:22 p. m.	4:51 p. m.	.05	.15	.31	.55	.83	.99	1.10								
July 14	3:20 p. m.	5:20 p. m.	1.17	3:25 p. m.	3:40 p. m.	.01	.37	.91	1.10											
Aug. 17	3:20 p. m.	7:15 p. m.	1.39	3:35 p. m.	4:19 p. m.	.02	.22	.23	.23	.42	.72	.84	.85	.87	1.00					

[1] On following date.
[2] On previous date.
[5] Only storms attaining 1 inch or more in 1 hour or less.
[6] Only storms attaining 0.50 inch or more in 30 minutes 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 1928 at all stations furnished with self-registering gauges—Continued

Station and date	Total duration		Total amount of precipitation	Excessive rate		Amount before excessive rate began	Depths of precipitation (in inches) during periods of time indicated													
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
FLORIDA PENINSULA																				
Key West, Fla.: [2]																				
Apr. 11	9:01 a. m.	10:15 a. m.	1.14	9:11 a. m.	10:00 a. m.	0.01	0.47	0.65	0.70	0.76	0.80	0.87	0.93	0.97	1.06	1.11				
Sept. 17	D. N. a. m.	D. N. a. m.	1.66	4:49 a. m.	5:24 a. m.	.40	.12	.24	.24	.36	.55	.85	1.05							
Sept. 18	D. N. a. m.	D. N. a. m.	1.61	12:48 a. m.	1:41 a. m.	.02	.14	.19	.25	.30	.30	.57	.79	.96	.99	1.10	1.16			
Dec. 8	12:30 a. m.	D. N. a. m.	1.70	12:54 a. m.	1:50 a. m.	.15	.10	.16	.25	.38	.62	.75	.85	.87	.99	1.22	1.41			
Miami, Fla.: [5]																				
Feb. 27	4:05 p. m.	6:35 p. m.	1.18	4:33 p. m.	4:55 p. m.	.02	.11	.41	.71	1.04	1.12									
May 23	D. N. a. m.	D. N. a. m.	1.66	12:13 a. m.	12:53 a. m.	.01	.22	.30	.36	.36	.46	.80	1.16	1.35						
May 29	10:46 a. m.	4:03 p. m.	2.40	1:22 p. m.	2:42 p. m.	.19	.09	.34	.38	.42	.67	.83	.91	.99	1.13	1.22	1.31	2.17		
Do	9:17 p. m.	10:30 p. m.	1.30	9:21 p. m.	10:01 p. m.	.01	.12	.25	.37	.53	.80	.98	1.16	1.25						
June 16	3:11 p. m.	4:45 p. m.	1.45	3:11 p. m.	3:45 p. m.	0	.30	.63	.90	1.15	1.30	1.35	1.41							
July 11	D. N. a. m.	D. N. a. m.	1.21	3:29 a. m.	4:33 a. m.	.01	.42	.49	.50	.50	.51	.51	.60	.70	.78	.92	1.04	1.11		
Aug. 13	D. N. a. m.	11:45 a. m.	2.35	6:49 a. m.	8:13 a. m.	.18	.15	.31	.45	.61	.64	.65	.68	.74	.87	1.05	1.12	1.38	1.52	
Sept. 17	[2] 11:40 a. m.	10:30 a. m.	8.60	5:10 a. m.	6:00 a. m.	3.01	.14	.43	.67	.85	.99	1.06	1.31	1.53	1.84	1.97				
				6:00 a. m.	6:50 a. m.		2.25	2.65	2.85	3.07	3.27	3.51	3.76	3.77	3.83	3.93				
				6:50 a. m.	7:29 a. m.		3.97	4.02	4.09	4.21	4.48	4.70	4.88	4.94						
Sept. 20	9:13 a. m.	12:55 p. m.	1.66	9:13 a. m.	10:26 a. m.	0	.10	.15	.22	.39	.48	.63	.65	.66	.72	.90	1.08	1.40		
Tampa, Fla.: [5]																				
June 10	3:15 p. m.	6:30 p. m.	1.38	3:20 p. m.	4:25 p. m.	.01	.16	.34	.49	.57	.72	.74	.77	.86	.92	1.01	1.14	1.29		
June 21	2:17 p. m.	6:00 p. m.	2.75	2:17 p. m.	3:04 p. m.	0	.07	.23	.52	.92	1.51	1.86	2.16	2.37	2.50	2.56				
June 23	10:10 p. m.	10:55 p. m.	1.26	10:10 p. m.	10:42 p. m.	0	.10	.31	.49	.90	1.09	1.18	1.23							
Sept. 9 [4]	10:52 a. m.	4:45 p. m.	2.11	1:38 p. m.	2:17 p. m.	.70	.14	.28	.42	.57	.72	.86	1.00	1.06						
EAST GULF STATES																				
Atlanta, Ga.: [5]																				
June 13	9:32 p. m.	[1] D.N. a. m.	1.80	9:39 p. m.	10:03 p. m.	.03	.21	.52	.92	1.14	1.22									
July 9	1:40 p. m.	4:43 p. m.	2.04	2:00 p. m.	2:31 p. m.	.07	.16	.41	.68	.97	1.25	1.36	1.41							
July 10	1:22 p. m.	7:10 p. m.	2.59	1:24 p. m.	2:07 p. m.	.01	.26	.62	1.07	1.27	1.42	1.75	1.97	2.06	2.12					
Macon, Ga.: [5]																				
June 4	12:28 p. m.	5:53 p. m.	1.72	1:13 p. m.	1:41 p. m.	.03	.12	.46	.78	1.01	1.23	1.31								
July 17	2:43 p. m.	7:15 p. m.	1.50	3:02 p. m.	3:36 p. m.	.04	.12	.36	.67	1.00	1.16	1.30	1.36							
Aug. 10	10:45 a. m.	D. N. p. m.	7.03	11:58 a. m.	12:48 p. m.	.28	.10	.25	.28	.31	.34	.35	.40	.48	.57	.61				
				12:48 p. m.	1:38 p. m.		.71	.77	.92	1.12	1.35	1.60	1.73	1.98	2.15	2.24				
				1:38 p. m.	2:28 p. m.		2.31	2.41	2.44	2.45	2.50	2.60	2.72	2.88	3.15	3.31				
				2:28 p. m.	3:18 p. m.		3.41	3.54	3.66	3.71	3.83	3.95	4.03	4.06	4.10	4.31				
				3:18 p. m.	4:08 p. m.		4.40	4.46	4.57	4.61	4.68	4.74	4.82	4.91	5.02	5.21				
				4:08 p. m.	4:14 p. m.		5.27	5.30												
Aug. 30-31	11:22 p. m.	D. N. a. m.	2.01	11:56 p. m.	12:32 a. m.	.25	.29	.66	.84	1.09	1.36	1.55	1.62	1.67						
Thomasville, Ga.: [5]																				
Mar. 10	7:55 a. m.	12:26 p. m.	2.08	11:20 a. m.	12:05 p. m.	.39	.08	.15	.26	.50	.92	1.27	1.30	1.38	1.54					
Mar. 26	5:50 a. m.	9:22 a. m.	1.76	6:57 a. m.	7:28 a. m.	.16	.09	.14	.20	.60	.93	1.07	1.08							
July 6	4:20 p. m.	6:38 p. m.	1.52	4:37 p. m.	5:04 p. m.	.04	.14	.27	.54	.85	1.06	1.11								
July 8	7:57 p. m.	D. N. p. m.	2.85	8:26 p. m.	9:33 p. m.	.08	.09	.20	.28	.46	.87	1.30	1.52	1.73	2.04	2.22	2.47	2.64		
July 31	2:26 p. m.	6:28 p. m	1.20	2:27 p. m.	2:57 p. m.	.01	.13	.27	.48	.69	.92	1.07								
Apalachicola, Fla.: [5]																				
Mar. 10	12:35 p. m.	5:04 p. m.	2.36	3:22 p. m.	4:27 p. m.	.17	.11	.30	.39	.41	.45	.65	.89	1.21	1.38	1.49	2.04	2.16		
Apr. 9-10	3:40 p. m.	1:25 p. m.	5.73	11:55 p. m.	12:49 a. m.	1.81	.09	.24	.36	.58	.86	1.11	1.34	1.63	1.93	2.16	2.21			
Apr. 23	3:35 a. m.	7:40 a. m.	3.86	4:35 a. m.	6:29 a. m.	.04	.19	.30	.37	.44	.47	.50	.55	.82	1.09	1.42	1.93	2.59	3.26	3.75
Apr. 27	1:26 a. m.	9:55 a. m.	5.16	5:07 a. m.	5:44 a. m.	.37	.07	.11	.27	.33	.63	.81	1.07	1.20						
Do	1:26 a. m.	9:55 a. m.	5.16	6:24 a. m.	7:38 a. m.	1.65	.37	.69	.83	.95	.98	1.00	1.18	1.39	1.53	1.68	2.54	3.17		
July 9	D. N. a. m.	6:25 a. m.	1.30	2:10 a. m.	2:34 a. m.	.01	.31	.60	.91	1.11	1.22									
Aug. 12	7:51 a. m.	9:15 a. m.	1.20	7:54 a. m.	8:18 a. m.	.01	.32	.65	.91	1.07	1.14									
Aug. 28	9:43 a. m.	11:55 a. m.	1.45	11:03 a. m.	11:38 a. m.	.05	.28	.48	.67	.91	1.08	1.12	1.39							
Pensacola, Fla.: [5]																				
Apr. 6	9:21 a. m.	5:55 p. m.	1.95	9:28 a. m.	10:19 a. m.	.01	.21	.29	.34	.43	.53	.63	.70	.85	.89	1.02	1.07			
Apr. 14	1:06 p. m.	[1] 7:05 a. m.	4.90	1:24 p. m.	2:18 p. m.	.07	.13	.23	.31	.55	.70	.78	.94	1.13	1.40	1.46	1.53			
Apr. 14-15	1:06 p. m.	7:05 a. m.	4.90	10:40 p. m.	12:11 a. m.	3.10	.14	.24	.37	.49	.52	.61	.66	.73	.85	.93	.99	1.29	1.57	
Sept. 6	[2] 10:20 p. m.	3:35 a. m.	2.20	1:12 a. m.	2:27 a. m.	.48	.15	.36	.40	.44	.63	.76	.79	.87	1.02	1.08	1.23	1.68		
Anniston, Ala.: [5]																				
July 7	3:02 p. m.	7:15 p. m.	1.64	4:50 p. m.	5:50 p. m.	.23	.12	.19	.21	.23	.31	.46	.68	.73	.84	1.03	1.28			
Aug. 13	8:09 p. m.	9:00 p. m.	1.11	8:11 p. m.	8:32 p. m.	.01	.31	.62	.89	1.05	1.07									
Oct. 5 [4]	4:18 p. m.	5:10 p. m.	1.22														1.22			
Oct. 22	5:49 p. m.	9:15 p. m.	1.45	5:49 p. m.	6:17 p. m.	0	.25	.59	.77	.91	1.01	1.09								
Birmingham, Ala.: [5]																				
May 22	12:39 p. m.	2:18 p. m.	1.29	12:42 p. m.	1:13 p. m.	.01	.20	.55	.83	.97	1.08	1.14	1.17							
Aug. 17	8:48 p. m.	D. N. p. m.	1.47	8:52 p. m.	9:42 p. m.	.01	.21	.45	.62	.78	.91	1.00	1.06	1.21	1.33	1.40				
Aug. 18	9:24 p. m.	D. N. p. m.	1.57	10:07 p. m.	10:54 p. m.	.45	.23	.42	.60	.69	.70	.72	.80	.91	1.01	1.06				
Oct. 17	7:40 a. m.	11:40 a. m.	2.20	9:24 a. m.	10:15 a. m.	.12	.10	.21	.42	.73	1.00	1.30	1.56	1.71	1.86	1.93	1.94			
Mobile, Ala.: [5]																				
Apr. 14 [4]	11:15 a. m.	[1] 5:20 a. m.	2.34	12 noon	12:33 p. m.	.05	.06	.23	.39	.60	.76	.98	1.05							
May 20	11:05 a. m.	4:05 p. m.	1.61	11:40 a. m.	12:36 p. m.	.11	.13	.37	.42	.44	.50	.55	.67	.82	.91	.98	1.08			
Aug. 21 [4]	2:30 p. m.	4:00 p. m.	1.20	2:46 p. m.	3:16 p. m.	.06	.09	.25	.46	.68	.90	1.10								
Aug. 27	6:30 p. m.	7:55 p. m.	1.73	6:34 p. m.	7:40 p. m.	.01	.19	.21	.46	.52	.52	.52	.53	.61	.85	.99	1.42	1.72		
Dec. 13	6:15 a. m.	12:30 p. m.	2.48	7:42 a. m.	8:18 a. m.	.20	.16	.46	.74	.89	1.04	1.16	1.22	1.26						
Montgomery, Ala.: [5]																				
June 4	[2] 6:41 p. m.	[1] 1:02 p. m.	9.50	2:36 p. m.	3:34 p. m.	3.13	.10	.15	.20	.27	.38	.49	.62	.64	.65	.74	1.00			
Do	[2] 6:41 p. m.	[1] 1:02 p. m.	9.50	7:35 p. m.	8:32 p. m.	5.54	.08	.16	.24	.36	.42	.55	.56	.57	.66	.80	1.00			
June 16	3:00 p. m.	3:54 p. m.	1.20	3:20 p. m.	3:46 p. m.	.01	.07	.24	.40	.84	1.15	1.19								
Aug. 19	4:07 p. m.	D. N. p. m.	2.31	4:18 p. m.	5:09 p. m.	.01	.25	.70	.98	1.09	1.13	1.31	1.34	1.36	1.49	1.56	1.64			
Sept. 1	1:51 p. m.	3:10 p. m.	1.02	1:56 p. m.	2:48 p. m.	.01	.38	.50	.57	.60	.61	.68	.74	.75	.77	.95	1.00			

[1] On following date.
[2] On previous date.
[4] From defective record.
[5] 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 1928 at all stations furnished with self-registering gauges—Continued

Station and date	Total duration		Total amount of precipitation	Excessive rate		Amount before excessive rate began	Depths of precipitation (in inches) during periods of time indicated													
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
EAST GULF STATES—continued																				
Meridian, Miss.:[5]																				
Mar. 15	8:50 p. m.	[1]D. N. a. m.	2.50	9:43 p. m.	10:46 p. m.	0.10	0.20	0.36	0.61	1.17	1.42	1.59	1.67	1.69	1.77	1.87	2.20	2.31		
Mar. 29	8:05 p. m.	[1]D. N. a. m.	1.33	9:56 p. m.	10:55 p. m.	.06	.07	.33	.40	.50	.63	.67	.76	.87	.95	.99	1.12			
Apr. 14	4:00 a. m.	9:25 a. m.	2.34	4:30 a. m.	5:31 a. m.	.04	.22	.35	.52	.66	.84	.97	1.11	1.26	1.40	1.52	1.69	1.78		
Apr. 21	12:15 p. m.	5:00 p. m.	1.92	1:13 p. m.	2:30 p. m.	.01	.13	.23	.26	.33	.35	.60	.69	.76	.96	1.17	1.37	1.57		
June 25	[2]11:45 p. m.	D. N. a. m.	1.12	12:05 a. m.	12:45 a. m.	.04	.14	.25	.44	.63	.77	.85	.95	1.04						
July 9	6:15 p. m.	D. N. p. m.	1.25	6:15 p. m.	6:47 p. m.	0	.29	.55	.83	.92	1.00	1.09	1.13							
July 16	2:30 p. m.	9:10 p. m.	4.02	4:20 p. m.	5:02 p. m.	1.32	.19	.56	1.01	1.37	1.76	2.06	2.24	2.30	2.36					
Vicksburg, Miss.:[5]																				
June 13	5:10 p. m.	[1]6:40 a. m.	4.13	8:25 p. m.	10:25 p. m.	.71	.06	.27	.54	.74	.88	.90	.91	.91	.92	.94	1.06	1.64	2.49	2.73
Dec. 13	[2]7:05 p. m.	5:15 a. m.	2.53	2:13 a. m.	3:01 a. m.	.99	.14	.35	.45	.61	.82	1.00	1.10	1.15	1.21	1.26				
New Orleans, La.:[5]																				
Mar. 24	1:25 p. m.	3:03 p. m.	1.59	1:45 p. m.	2:33 p. m.	.08	.23	.49	.70	.99	1.03	1.03	1.15	1.24	1.32	1.43				
Apr. 6	D. N. a. m.	10:50 a. m.	3.15	4:01 a. m.	4:37 a. m.	.07	.25	.43	.57	.90	1.16	1.45	1.74	1.78						
Apr. 14	9:50 a. m.	3:30 p. m.	2.68	10:24 a. m.	11:50 a. m.	.01	.08	.20	.40	.73	1.02	1.20	1.32	1.43	1.57	1.69	1.86	2.14	2.28	
May 14	5:40 p. m.	10:00 p. m.	2.60	8:29 p. m.	9:32 p. m.	.14	.10	.19	.30	.37	.48	.61	.86	1.05	1.31	1.72	2.25	2.46		
June 1	10:44 a. m.	4:55 p. m.	1.81	12:53 p. m.	1:46 p. m.	.21	.36	.68	.74	.77	.79	.82	.85	.92	1.07	1.20	1.28			
June 3	5:40 a. m.	4:10 p. m.	4.26	6:43 a. m.	7:47 a. m.	.32	.11	.29	.40	.76	.92	.99	1.04	1.07	1.06	1.12	1.56	1.70		
Do	5:40 a. m.	4:10 p. m.	4.26	10:12 a. m.	11:34 a. m.	2.26	.21	.28	.31	.34	.36	.38	.50	.74	.86	.94	1.00	1.38	1.49	
June 5	D. N. a. m.	10:00 a. m.	1.80	6:19 a. m.	7:02 a. m.	.35	.17	.47	.59	.66	.71	.82	.91	.99	1.07					
July 18	11.52 a. m.	2:33 p. m.	1.18	12:26 p. m.	1:05 p. m.	.09	.06	.11	.20	.47	.63	.81	.93	1.00						
Aug. 12	11:47 a. m.	1:00 p. m.	1.50	12:04 p. m.	12:36 p. m.	.06	.17	.37	.63	.95	1.22	1.37	1.41							
Oct. 16	1:53 p. m.	4:35 p. m.	1.69	2:51 p. m.	4:16 p. m.	.24	.06	.11	.25	.35	.46	.63	.66	.66	.71	.86	1.00	1.31	1.45	
Nov. 18	7:15 p. m.	[1]D. N. a. m.	2.42	9:12 p. m.	10:38 p. m.	.26	.07	.17	.34	.51	.57	.60	.66	.70	.72	.86	1.01	1.33	1.72	
WEST GULF STATES																				
Shreveport, La.:[5]																				
Apr. 21	2:00 p. m.	6:20 p. m.	2.34	4:15 p. m.	5:52 p. m.	.08	.05	.17	.26	.41	.64	.85	1.11	1.35	1.45	1.56	1.73	2.02	2.25	
July 27	D. N. a. m.	9:00 a. m.	1.55	5:25 a. m.	5:55 a. m.	.04	.21	.48	.77	.90	.97	1.03								
Dec. 12	6:55 p. m.	9:55 p. m.	1.57	8:04 p. m.	8:29 p. m.	.11	.47	.73	1.06	1.21	1.32									
Fort Smith, Ark.:[5]																				
June 22	8:20 p. m.	D. N. p. m.	1.57	9:27 p. m.	9:58 p. m.	.34	.20	.44	.66	.78	1.09	1.18	1.20							
Oct. 16	3:15 a. m.	6:22 a. m.	1.54	3:32 a. m.	4:50 a. m.	.02	.13	.26	.31	.32	.52	.65	.75	.82	.86	.93	1.00	1.30		
Little Rock, Ark.:[5]																				
May 19	D. N. a. m.	6:25 a. m.	2.01	3:52 a. m.	4:54 a. m.	.04	.06	.18	.37	.48	.53	.74	.97	1.10	1.21	1.32	1.46	1.58		
June 9	D. N. a. m.	9:30 a. m.	1.50	4:51 a. m.	5:45 a. m.	.01	.09	.13	.14	.17	.28	.42	.52	.56	.77	1.01	1.10			
Austin, Tex.:[5]																				
Feb. 21	10:55 a. m.	8:10 p. m.	2.06	5:35 p. m.	6:20 p. m.	.99	.14	.18	.24	.26	.37	.50	.65	.85	.98					
May 21	D. N. a. m.	D. N. a. m.	.70	2:02 a. m.	2:10 a. m.	.01	.40	.68												
June 4	12:24 p. m.	12:55 p. m.	.69	12:24 p. m.	12:47 p. m.	0	.22	.41	.56	.64	.68									
July 26	6:25 p. m.	8:45 p. m.	.95	7:07 p. m.	7:26 p. m.	.01	.24	.53	.81	.90										
Aug. 7	2:50 p. m.	4:15 p. m.	.56	3:05 p. m.	3:33 p. m.	.02	.15	.24	.30	.42	.48	.53								
Sept. 1	1:31 p. m.	8:01 p. m.	.96	1:51 p. m.	2:12 p. m.	.06	.16	.24	.46	.56	.62									
Brownsville, Tex.:[5]																				
Apr. 8	12:50 p. m.	2:20 p. m.	1.19	12:54 p. m.	1:06 p. m.	.01	.48	1.07	1.15											
June 2	5:10 p. m.	D. N. p. m.	1.41	5:49 p. m.	6:40 p. m.	.23	.14	.20	.30	.42	.62	.69	.74	.83	.96	1.05	1.09			
Sept. 21	9:06 a. m.	2:45 p. m.	2.67	11:23 a. m.	12:13 p. m.	1.11	.32	.47	.53	.57	.57	.58	.59	.82	1.17	1.29				
Nov. 9	5:14 p. m.	8:40 p. m.	3.40	5:19 p. m.	6:09 p. m.	.03	.19	.59	1.10	1.60	2.14	2.53	2.80	3.02	3.14	3.21				
Corpus Christi, Tex.:[5]																				
June 2	6:05 a. m.	8:24 a. m.	2.25	7:01 a. m.	7:58 a. m.	.21	.11	.25	.42	.55	.83	1.15	1.32	1.61	1.87	1.96	2.03			
Do	9:47 a. m.	3:45 p. m.	4.29	11:56 a. m.	1:53 p. m.	.61	.32	.52	.93	1.03	1.16	1.33	1.46	1.57	1.66	1.78	1.87	2.61	3.33	3.58
Sept. 22	7:48 p. m.	11:15 p. m.	7.59	8:26 a. m.	9:09 a. m.	1.49	.17	.32	.53	.74	.97	1.14	1.26	1.35	1.39					
Do	[3]7:48 p. m.	11:15 p. m.	7.59	12:01 p. m.	1:18 p. m.	3.05	.05	.10	.18	.31	.43	.54	.61	.93	1.17	1.23	1.58	1.85		
Do	[3]7:48 p. m.	11:15 p. m.	7.59	7:13 p. m.	8:46 p. m.	5.93	.10	.17	.27	.33	.41	.55	.69	.82	.89	.99	1.09	1.24	1.50	
Oct. 16	[3]5:15 p. m.	7:15 p. m.	3.68	5:47 p. m.	6:48 p. m.	.01	.20	.67	1.15	1.57	1.98	2.38	2.48	2.75	3.08	3.21	3.63	3.66		
Dallas, Tex.:[5]																				
Apr. 5	4:10 a. m.	9:25 a. m.	2.02	4:32 a. m.	5:22 a. m.	.03	.16	.47	.92	1.07	1.20	1.31	1.44	1.58	1.62	1.76				
May 16	[1]11:50 p. m.	3:15 a. m.	1.23	1:15 a. m.	2:00 a. m.	.14	.06	.14	.23	.34	.49	.66	.76	.88	1.02					
Dec. 16	1:05 a. m.	[1]2:40 a. m.	4.17	4:41 p. m.	6:06 p. m.	1.58	.10	.22	.30	.34	.38	.45	.54	.64	.72	.78	.99	1.40	1.58	
Fort Worth, Tex.:[5]																				
Apr. 3	3:54 p. m.	9:05 p. m.	3.51	5:35 p. m.	7:26 p. m.	.09	.11	.16	.19	.26	.62	.67	.94	1.27	1.44	1.51	1.64	2.58	3.18	3.38
May 20	7:44 p. m.	[1]1:49 a. m.	2.00	7:55 p. m.	8:25 p. m.	.01	.37	.92	1.25	1.50	1.69	1.75								
June 1	1:55 p. m.	4:53 p. m.	1.94	1:59 p. m.	2:55 p. m.	.01	.14	.40	.68	.88	1.09	1.27	1.47	1.60	1.73	1.79	1.88			
June 2	3:12 p. m.	[1]D. N. a. m.	2.54	5:38 p. m.	6:18 p. m.	.53	.09	.29	.46	.73	1.02	1.26	1.40	1.51						
June 9	7:15 p. m.	10:15 p. m.	1.28	7:41 p. m.	8:06 p. m.	.01	.21	.54	.88	1.07	1.15									
June 26	10:51 a. m.	12:39 p. m.	2.09	10:59 a. m.	11:49 a. m.	.01	.07	.21	.42	.78	1.07	1.22	1.44	1.65	1.88	2.02				
June 27	4:04 a. m.	6:21 a. m.	1.84	4:52 a. m.	5:33 a. m.	.07	.07	.19	.31	.58	.81	1.09	1.37	1.64	1.69					
July 25	12:37 p. m.	4:52 p. m.	2.28	2:07 p. m.	3:01 p. m.	.21	.13	.54	.88	1.20	1.47	1.56	1.56	1.61	1.80	1.94	2.02			
Galveston, Tex.:[5]																				
June 2	7:54 a. m.	10:40 p. m.	3.52	10:07 a. m.	12:03 p. m.	.23	.08	.20	.22	.31	.35	.40	.47	.62	.95	1.18	1.41	1.87	2.03	2.41
Aug. 29	10:02 a. m.	3:10 p. m.	1.63	10:14 a. m.	10:59 a. m.	.01	.08	.19	.21	.42	.78	.98	1.08	1.26	1.46					
Sept. 7	10:57 a. m.	12:45 p. m.	1.15	11:08 a. m.	11:38 a. m.	.03	.16	.31	.50	.65	.87	1.04								
Sept. 21	2:04 p. m.	[1]6:57 a. m.	4.43	3:01 p. m.	3:23 p. m.	.22	.23	.53	.94	1.18	1.23									
Oct. 16–17	11:48 p. m.	D. N. a. m.	1.84	11:54 p. m.	12:43 a. m.	.02	.18	.39	.96	1.14	1.26	1.32	1.41	1.52	1.69	1.79				
Groesbeck, Tex.:[5]																				
May 20	9:17 a. m.	10:55 a. m.	1.72	10:01 a. m.	10:36 a. m.	.03	.16	.35	.76	1.11	1.33	1.51	1.65							
June 4	12:48 a. m.	6:02 a. m.	2.45	4:33 a. m.	5:09 a. m.	.64	.22	.59	.87	1.12	1.43	1.62	1.70	1.74						
June 9	10:28 p. m.	D. N. p. m.	1.15	10:30 p. m.	11:48 p. m.	.01	.21	.53	.99	1.11										
July 24	3:15 p. m.	4:30 p. m.	1.64	3:15 p. m.	3:50 p. m.	0	.26	.46	.76	1.05	1.34	1.52	1.60							
Dec. 16	[3]8:30 p. m.	5:05 a. m.	2.51	3:16 a. m.	4:22 a. m.	1.00	.25	.42	.52	.58	.62	.66	.76	.84	.91	.96	1.31	1.46		

[1] On following date.
[2] On previous date.
[3] Only storms attaining 1 inch or more in 1 hour or less.
[5] Only storms attaining 0.50 inch or more in 30 minutes 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 1928 at all stations furnished with self-registering gauges—Continued

Station and date	Total duration		Total amount of precipitation	Excessive rate		Amount before excessive rate began	Depths of precipitation (in inches) during periods of time indicated													
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
WEST GULF STATES—continued																				
Houston, Tex.:[5]																				
Feb. 21	8:59 a. m.	[1]D. N. a. m.	2.13	10:14 p. m.	11:16 p. m.	0.49	0.19	0.33	0.52	0.70	0.89	0.95	1.07	1.13	1.16	1.20	1.34	1.45	----	----
Sept. 21	1:30 p. m.	6:35 p. m.	2.64	2:10 p. m.	2:35 p. m.	.16	.05	.48	.94	1.24	1.41	----	----	----	----	----	----	----	----	----
Oct. 16	7:07 p. m.	11:55 p. m.	2.93	8:37 p. m.	9:25 p. m.	.95	.16	.22	.38	.65	.92	1.06	1.13	1.37	1.62	1.67	----	----	----	----
Dec. 12	8:05 a. m.	11:15 a. m.	1.33	10:20 a. m.	11:02 a. m.	.21	.06	.12	.17	.25	.46	.73	.91	1.06	1.09	----	----	----	----	----
Palestine, Tex.:[5]																				
June 9	5:18 p. m.	[1]D. N. a. m.	3.19	10:08 p. m.	11:36 p. m.	.22	.06	.26	.68	1.11	1.27	1.33	1.36	1.40	1.45	1.49	1.78	2.76	2.87	----
Oct. 31–Nov. 1	5:45 p. m.	11:37 a. m.	5.73	11:59 p. m.	1:43 a. m.	1.37	.10	.16	.19	.20	.25	.30	.57	.71	.85	1.08	1.27	1.43	1.64	1.77
Port Arthur, Tex.:[5]																				
Feb. 21–22	6:14 p. m.	D. N. a. m.	3.55	11:55 p. m.	12:14 a. m.	2.15	.23	.69	.96	1.07	----	----	----	----	----	----	----	----	----	----
Mar. 15	5:28 p. m.	7:08 p. m.	1.44	5:54 p. m.	6:21 p. m.	.01	.18	.35	.65	1.10	1.21	1.37	----	----	----	----	----	----	----	----
Apr. 5	8:21 p. m.	[1]D. N. a. m.	2.46	8:26 p. m.	8:55 p. m.	.01	.35	.91	1.27	1.64	1.85	1.95	----	----	----	----	----	----	----	----
June 25	[2]10:50 p. m.	4:20 a. m.	1.52	3:11 a. m.	4:05 a. m.	.06	.06	.38	.52	.66	.72	.76	.82	.98	1.16	1.34	1.46	----	----	----
July 12	12:55 p. m.	3:06 p. m.	1.36	2:17 p. m.	2:42 p. m.	.09	.23	.61	.94	1.07	1.24	----	----	----	----	----	----	----	----	----
Aug. 6	10:11 a. m.	1:03 p. m.	2.14	10:15 a. m.	11:05 a. m.	.01	.12	.36	.56	.67	.99	1.23	1.61	1.85	1.96	2.01	----	----	----	----
San Antonio, Tex.:[5]																				
Mar. 9	8:28 p. m.	10:59 p. m.	2.05	8:33 p. m.	9:00 p. m.	.01	.46	1.06	1.46	1.70	1.91	1.94	----	----	----	----	----	----	----	----
May 13	3:30 a. m.	10:19 a. m.	2.73	3:48 a. m.	5:17 a. m.	.03	.12	.36	.55	.61	.68	.76	.80	.84	.93	1.08	1.30	1.63	1.77	----
June 2	D. N. a. m.	9:16 a. m.	2.46	7:04 a. m.	7:44 a. m.	.37	.25	.57	.85	1.12	1.41	1.69	1.96	2.01	----	----	----	----	----	----
Sept. 21	10:50 a. m.	[1]1:30 p. m.	3.30	11:38 a. m.	1:12 p. m.	.09	.09	.26	.46	.68	.79	.85	.88	.90	.91	.95	1.06	1.76	2.14	----
Taylor, Tex.:[5]																				
June 13	6:06 a. m.	11:10 a. m.	.69	6:19 a. m.	6:41 a. m.	.01	.06	.22	.45	.50	.53	----	----	----	----	----	----	----	----	----
June 15	8:46 a. m.	10:05 a. m.	.66	9:00 a. m.	9:18 a. m.	.04	.10	.33	.46	.52	----	----	----	----	----	----	----	----	----	----
Dec. 15	9:47 a. m.	[1]D. N. a. m.	1.27	6:26 p. m.	6:40 p. m.	.06	.12	.30	.54	----	----	----	----	----	----	----	----	----	----	----
OHIO VALLEY AND TENNESSEE																				
Chattanooga, Tenn.:[5]																				
May 21	3:30 p. m.	5:00 p. m.	1.50	3:44 p. m.	4:28 p. m.	.01	.17	.41	.45	.54	.63	.88	1.15	1.31	1.42	----	----	----	----	----
July 7	11:45 a. m.	4:15 p. m.	2.10	11:54 a. m.	12:29 p. m.	.01	.19	.47	.60	.88	1.42	1.69	1.83	----	----	----	----	----	----	----
July 21	1:12 p. m.	5:35 p. m.	2.13	2:08 p. m.	2:58 p. m.	.01	.18	.44	.62	.82	1.14	1.37	1.60	1.78	1.93	2.01	----	----	----	----
Oct. 22	6:20 p. m.	[1]3:05 a. m.	2.22	6:59 p. m.	7:34 p. m.	.03	.25	.40	.59	.79	1.02	1.16	1.26	----	----	----	----	----	----	----
Knoxville, Tenn.:[5]																				
June 24	8:00 p. m.	9:25 p. m.	1.62	8:02 p. m.	8:58 p. m.	T.	.22	.30	.39	.52	.63	.73	.80	.91	1.08	1.29	1.52	----	----	----
June 29	12:59 p. m.	D. N. p. m.	1.96	4:45 p. m.	5:34 p. m.	.65	.17	.21	.25	.33	.42	.46	.70	.86	1.12	1.21	----	----	----	----
Memphis, Tenn.:[5]																				
Aug. 31	7:39 a. m.	[1]9:00 a. m.	1.83	8:52 a. m.	10:01 a. m.	.23	.05	.11	.22	.38	.45	.49	.62	.72	.78	.86	1.03	1.15	----	----
Nashville, Tenn.:[5]																				
June 13	4:45 a. m.	7:10 a. m.	1.45	4:51 a. m.	5:21 a. m.	.01	.42	.68	.86	1.12	1.21	1.35	----	----	----	----	----	----	----	----
June 29	[2]7:25 p. m.	6:25 a. m.	4.34	2:22 a. m.	2:51 a. m.	1.04	.09	.21	.53	1.03	1.52	1.62	----	----	----	----	----	----	----	----
Do	[2]7:25 p. m.	6:25 a. m.	4.34	4:15 a. m.	4:55 a. m.	2.90	.09	.22	.43	.56	.68	.80	1.11	1.34	----	----	----	----	----	----
July 7	12:10 p. m.	1:25 p. m.	1.16	12:16 p. m.	12:47 p. m.	.01	.14	.18	.19	.34	.67	.99	1.04	----	----	----	----	----	----	----
Oct. 17	[2]8:00 p. m.	6:00 a. m.	3.51	12:47 a. m.	1:36 a. m.	.63	.18	.37	.65	.92	.97	1.17	1.36	1.49	1.68	1.74	----	----	----	----
Lexington, Ky.:[5]																				
June 29	[2]9:55 a. m.	7:15 a. m.	5.50	3:52 a. m.	4:42 a. m.	2.72	.12	.20	.29	.31	.42	.55	.63	.69	.79	.84	----	----	----	----
				4:42 a. m.	5:22 a. m.	----	.88	1.03	1.15	1.26	1.34	1.51	1.58	1.77	1.80	1.85	----	----	----	----
				5:32 a. m.	6:22 a. m.	----	1.87	1.89	1.96	2.06	2.16	2.34	2.45	2.56	2.62	2.70	----	----	----	----
				6:22 a. m.	6:23 a. m.	----	2.75	----	----	----	----	----	----	----	----	----	----	----	----	----
Louisville, Ky.:[5]																				
May 17[4]	D. N. a. m.	11:00 a. m.	2.14	6:27 a. m.	7:40 a. m.	.05	.11	.21	.26	.47	.53	.60	.64	.69	.72	.76	.90	1.14	----	----
Oct. 16	6:00 p. m.	D. N. p. m.	.78	6:27 p. m.	6:53 p. m.	.01	.18	.30	.35	.44	.61	.63	----	----	----	----	----	----	----	----
Evansville, Ind.:																				
Apr. 21	[2]6:00 p. m.	10:00 a. m.	3.75	5:23 a. m.	5:59 a. m.	1.82	.10	.19	.42	.69	.87	1.04	1.09	1.13	----	----	----	----	----	----
May 18	D. N. a. m.	7:09 a. m.	1.42	5:00 a. m.	5:30 a. m.	.13	.13	.26	.38	.52	.70	.86	----	----	----	----	----	----	----	----
Do	12:13 p. m.	2:14 p. m.	1.19	12:27 p. m.	12:45 p. m.	.02	.25	.65	.96	1.02	----	----	----	----	----	----	----	----	----	----
June 9	[2]11:15 p. m.	9:35 a. m.	1.07	12:41 a. m.	12:50 a. m.	.03	.24	.34	----	----	----	----	----	----	----	----	----	----	----	----
June 18	11:05 p. m.	D. N. a. m.	1.24	12:50 a. m.	1:03 a. m.	.49	.22	.37	.42	----	----	----	----	----	----	----	----	----	----	----
June 24	7:03 a. m.	9:10 a. m.	1.32	7:48 a. m.	8:50 a. m.	.11	.08	.18	.18	.28	.39	.50	.62	.68	.80	.90	1.18	1.21	----	----
Do	5:17 p. m.	6:42 p. m.	.49	5:53 p. m.	6:11 p. m.	.02	.10	.29	.34	.41	----	----	----	----	----	----	----	----	----	----
July 6	1:05 a. m.	6:15 a. m.	.98	3:06 a. m.	3:25 a. m.	.02	.14	.35	.67	.79	----	----	----	----	----	----	----	----	----	----
Oct. 15	11:50 a. m.	[1]9:12 a. m.	2.91	9:05 p. m.	9:38 p. m.	.72	.09	.20	.24	.34	.46	.64	.70	----	----	----	----	----	----	----
Oct. 16	[2]11:50 a. m.	9:12 a. m.	2.91	2:37 a. m.	2:48 a. m.	1.60	.14	.46	.47	----	----	----	----	----	----	----	----	----	----	----
Do	2:35 p. m.	5:20 p. m.	1.07	2:37 p. m.	3:04 p. m.	.01	.28	.45	.63	.71	.76	.80	----	----	----	----	----	----	----	----
Indianapolis, Ind.:																				
June 19	3:57 p. m.	9:27 p. m.	.78	4:03 p. m.	4:17 p. m.	.01	.09	.35	.47	----	----	----	----	----	----	----	----	----	----	----
June 21	3:21 p. m.	4:25 p. m.	.82	3:21 p. m.	3:35 p. m.	0	.21	.50	.58	----	----	----	----	----	----	----	----	----	----	----
June 24	4:04 p. m.	5:18 p. m.	.53	4:34 p. m.	4:53 p. m.	.02	.09	.34	.42	.50	----	----	----	----	----	----	----	----	----	----
July 4	7:05 p. m.	[1]12:35 a. m.	1.90	8:03 p. m.	8:58 p. m.	.01	.13	.23	.42	.69	1.01	1.20	1.43	1.54	1.60	1.65	1.75	----	----	----
Aug. 7	5:27 p. m	6:14 p. m.	.55	5:35 p. m.	5:55 p. m.	.01	.12	.41	.46	.51	----	----	----	----	----	----	----	----	----	----
Aug. 9	9:21 p. m.	[1]1:00 a. m.	.69	10:45 p. m	11:01 p. m.	.22	.10	.31	.41	.43	----	----	----	----	----	----	----	----	----	----
Royal Center, Ind.:																				
May 4[4]	2:19 p. m.	3:40 p. m.	.77	2:53 p. m.	3:12 p. m.	.02	.14	.23	.33	.53	----	----	----	----	----	----	----	----	----	----
June 5	3:25 p. m.	4:25 p. m.	.63	3:39 p. m.	4:03 p. m.	.01	.07	.17	.27	.48	.58	----	----	----	----	----	----	----	----	----
Do	9:02 p. m.	[1]D. N. a. m.	1.03	9:08 p. m.	9:23 p. m.	.01	.20	.36	.43	----	----	----	----	----	----	----	----	----	----	----
July 4	D. N. a. m.	9:20 a. m.	.91	1:31 a. m.	1:45 a. m	.01	.20	.36	.43	----	----	----	----	----	----	----	----	----	----	----
July 19	2:35 p. m	3:15 p. m.	.44	2:44 p. m.	2:55 p. m.	.01	.26	.33	.35	----	----	----	----	----	----	----	----	----	----	----
July 21	12:55 p. m.	2:55 p. m.	.76	1:40 p. m.	2:03 p. m.	.09	.15	.32	.49	.59	.63	----	----	----	----	----	----	----	----	----
Aug. 21[4]	D. N. a. m.	D. N. a. m.	.69	1:47 a. m.	2:09 a. m.	.02	.09	.29	.41	.58	.64	----	----	----	----	----	----	----	----	----
Aug. 28	2:00 p. m.	3:10 p. m.	.72	2:30 p. m.	2:50 p. m.	.03	.23	.27	.39	.61	----	----	----	----	----	----	----	----	----	----
Aug. 29	5:35 p. m.	8:35 p. m.	2.92	5:48 p. m.	6:34 p. m.	.08	.23	.38	.36	.36	.37	.43	.66	.91	.95	----	----	----	----	----
Do	5:35 p. m.	8:35 p. m.	2.92	7:37 p. m.	8:25 p. m.	1.07	.28	.58	.72	.99	1.23	1.49	1.41	1.50	1.66	1.85	----	----	----	----

[1] On following date.
[2] On previous date.
[4] From defective record.
[5] Only storms attaining 1 inch or more in 1 hour or less.
[6] Only storms attaining 0.50 inch or more in 30 minutes 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 1928 at all stations furnished with self-registering gauges—Continued

Station and date	Total duration		Total amount of precipitation	Excessive rate		Amount before excessive rate began	Depths of precipitation (in inches) during periods of time indicated													
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
OHIO VALLEY AND TENNESSEE—con.																				
Terre Haute, Ind.:																				
May 29	12:03 p. m.	[1] 2:15 p. m.	3.20	2:43 p. m.	3:33 p. m.	0.97	0.28	0.57	0.60	0.62	0.63	0.67	0.72	0.99	1.11	1.22				
June 18	[2] 11:37 p. m.	7:02 a. m.	1.01	12:15 a. m.	12:29 a. m.	.08	.07	.44	.65											
July 4	3:45 a. m.	4:28 a. m.	.64	3:49 a. m.	4:04 a. m.	.01	.17	.32	.55											
Aug. 4	12:45 p. m.	3:55 p. m.	.43	2:34 p. m.	2:48 p. m.	.02	.10	.30	.37											
Aug. 21	2:30 a. m.	3:50 a. m.	.40	2:49 a. m.	3:01 a. m.	.01	.16	.35	.39											
Aug. 28	7:17 p. m.	10:25 p. m.	1.56	7:27 p. m.	7:46 p. m.	.01	.46	.86	1.12	1.29										
Sept. 13 [4]	7:05 a. m.	8:08 a. m.	.84	7:12 a. m.	7:21 a. m.	.02	.22	.55												
Oct. 4-5 [4]	10:50 p. m.	12:55 a. m.	1.34	11:57 p. m.	12:28 a. m.	.06	.30	.50	.74	.95	1.08	1.19	1.26							
Cincinnati, Ohio:																				
June 5	2:58 p. m.	7:35 p. m.	1.17	3:06 p. m.	3:19 p. m.	.02	.21	.47	.57											
June 24	12:42 p. m.	2:03 p. m.	.73	1:00 p. m.	1:17 p. m.	.05	.20	.46	.60	.67										
June 28	11:22 a. m.	8:30 p. m.	1.52	5:09 p. m.	5:30 p. m.	.37	.12	.35	.55	.62	.66									
July 4	10:54 p. m.	[3] D. N. a. m.	.62	11:10 p. m.	11:38 p. m.	.03	.10	.27	.32	.35	.44	.50								
July 11	8:56 p. m.	10:15 p. m.	.99	9:29 p. m.	9:46 p. m.	.17	.21	.54	.75	.80										
July 12	4:28 p. m.	6:05 p. m.	1.28	4:51 p. m.	5:35 p. m.	.03	.10	.37	.49	.69	.80	.92	1.07	1.15	1.22					
July 22	5:20 a. m.	5:42 a. m.	.53	5:25 a. m.	5:37 a. m.	.01	.14	.43	.52											
Aug. 2	1:55 p. m.	3:15 p. m.	1.05	2:04 p. m.	2:24 p. m.	.02	.25	.40	.76	.92										
Columbus, Ohio:																				
June 19	4:55 p. m.	D. N. p. m.	1.30	7:47 p. m.	7:58 p. m.	.44	.19	.49	.55											
June 20	1:05 p. m.	4:10 p. m.	.87	1:18 p. m.	1:59 p. m.	.05	.09	.24	.40	.53	.56	.61	.66	.71	.75					
July 5	[3] D. N. p. m.	D. N. a. m.	.54	12:39 a. m.	12:53 a. m.	.01	.14	.33	.42											
July 13	3:50 a. m.	3:30 p. m.	1.59	4:06 a. m.	4:25 a. m.	.01	.17	.36	.58	.68										
July 21	5:55 p. m.	8:25 p. m.	1.90	6:38 p. m.	7:44 p. m.	.23	.12	.24	.39	.55	.68	.89	.94	1.02	1.10	1.26	1.56	1.67		
Dayton, Ohio:																				
Mar. 25	7:15 p. m.	D. N. p. m.	.64	7:21 p. m.	7:40 p. m.	.01	.09	.29	.41	.47										
June 18	5:08 a. m.	8:02 a. m.	.74	5:10 a. m.	5:28 a. m.	.01	.27	.46	.53	.57										
June 19	6:30 p. m.	D. N. p. m.	1.11	6:41 p. m.	7:00 p. m.	.02	.29	.56	.68	.76										
June 22	7:39 p. m.	8:35 p. m.	.93	7:53 p. m.	8:15 p. m.	.02	.10	.21	.48	.73	.87									
July 4	10:35 p. m.	[3] D. N. a. m.	1.28	10:44 p. m.	11:19 p. m.	.01	.21	.23	.25	.30	.58	.86	1.04							
Aug. 4	6:49 p. m.	7:20 p. m.	.42	6:56 p. m.	7:03 p. m.	.02	.27	.35												
Aug. 5	6:00 p. m.	6:14 p. m.	.37	6:02 p. m.	6:12 p. m.	.01	.12	.36												
Aug. 7	2:59 p. m.	4:31 p. m.	1.02	3:58 p. m.	4:28 p. m.	.21	.05	.13	.19	.51	.60	.81								
Oct. 16	2:16 p. m.	2:45 p. m.	.52	2:18 p. m.	2:41 p. m.	.01	.12	.18	.32	.43	.48									
Elkins, W. Va.:																				
June 23	12:12 p. m.	2:35 p. m.	.71	12:25 p. m.	12:43 p. m.	.02	.18	.39	.53	.57										
July 13	4:34 p. m.	7:20 p. m.	1.18	4:39 p. m.	4:48 p. m.	.01	.30	.38												
Aug. 26	3:19 p. m.	5:15 p. m.	.72	3:21 p. m.	3:57 p. m.	.01	.10	.26	.35	.41	.49	.58	.64	.67						
Parkersburg, W. Va.:																				
Mar. 30	[2] 11:27 p. m.	7:21 a. m.	1.60	12:25 a. m.	12:38 a. m.	.06	.09	.18	.40											
Do	[2] 11:27 p. m.	7:21 a. m.	1.60	5:01 a. m.	5:36 a. m.	.74	.06	.19	.31	.39	.49	.56	.63							
June 19	11:33 a. m.	1:38 p. m.	.83	12 noon.	12:29 p. m.	.04	.17	.20	.28	.44	.61	.68								
June 23	2:35 p. m.	3:13 p. m.	1.41	2:47 p. m.	3:04 p. m.	.03	.64	1.13	1.33	1.35										
June 24	6:47 p. m.	7:16 p. m.	.48	6:47 p. m.	6:55 p. m.	0	.35	.44												
June 29	5:18 p. m.	5:38 p. m.	.40	5:18 p. m.	5:36 p. m.	0	.08	.31	.36	.40										
Do	5:55 p. m.	6:27 p. m.	.48	6:03 p. m.	6:20 p. m.	.03	.10	.30	.41	.45										
July 9	3:00 p. m.	4:57 p. m.	.92	3:21 p. m.	3:55 p. m.	.19	.09	.21	.27	.38	.47	.57	.61							
July 20	7:58 p. m.	9:25 p. m.	.44	8:00 p. m.	8:08 p. m.	.01	.25	.29												
Aug. 24	12:32 p. m.	1:03 p. m.	.46	12:36 p. m.	12:45 p. m.	.02	.17	.38												
Do	3:58 p. m.	8:45 p. m.	1.02	4:55 p. m.	5:19 p. m.	.37	.09	.22	.36	.47	.52									
Aug. 30	12:10 p. m.	11:17 p. m.	.99	10:00 p. m.	10:22 p. m.	.52	.08	.21	.34	.40	.43									
Pittsburgh, Pa.:																				
June 6	2:53 p. m.	4:50 p. m.	.53	3:03 p. m.	3:18 p. m.	.01	.25	.29	.39											
July 4	6:18 p. m.	7:10 p. m.	.41	6:18 p. m.	6:33 p. m.	0	.16	.31	.40											
July 13	9:14 a. m.	11:46 a. m.	.60	11:05 a. m.	11:24 a. m.	.07	.22	.31	.43	.51										
Do	2:13 p. m.	7:37 p. m.	1.14	2:21 p. m.	3:13 p. m.	.01	.08	.16	.23	.32	.49	.61	.67	.74	.78	.86	.93			
July 22	2:10 p. m.	3:15 p. m.	.58	2:33 p. m.	2:47 p. m.	.01	.15	.46	.56											
Aug. 1	1:12 p. m.	2:38 p. m.	.54	1:22 p. m.	1:29 p. m.	.03	.22	.30												
LOWER LAKE REGION																				
Buffalo, N. Y.:																				
June 21	D. N. a. m.	7:15 a. m.	1.24	4:28 a. m.	4:58 a. m.	.19	.09	.22	.40	.59	.73	.82								
June 23	1:30 p. m.	6:15 p. m.	2.04	2:04 p. m.	3:02 p. m.	.13	.21	.32	.37	.49	.57	.58	.60	.62	.66	.72	1.03			
Do	1:30 p. m.	6:15 p. m.	2.04	4:02 p. m.	4:22 p. m.	1.20	.13	.24	.35	.42										
July 9	6:00 p. m.	7:55 p. m.	.75	6:00 p. m.	6:17 p. m.	0	.21	.44	.59	.62										
Canton, N. Y.:																				
June 29	7:14 a. m.	5:36 p. m.	1.42	2:24 p. m.	3:04 p. m.	.64	.09	.14	.20	.26	.38	.55	.63	.63						
July 4	5:47 p. m.	7:58 p. m.	.46	5:50 p. m.	5:55 p. m.	.01	.27													
Oswego, N. Y.: [7]																				
Aug. 2	6:08 p. m.	6:22 p. m.	.48	6:10 p. m.	6:16 p. m.	.01	.44	.47												
Rochester, N. Y.:																				
May 19	10:15 a. m.	3:00 p. m.	1.11	2:35 p. m.	2:56 p. m.	.43	.25	.34	.57	.66	.68									
June 29	8:12 p. m.	8:40 p. m.	.42	8:14 p. m.	8:24 p. m.	T.	.23	.38												
July 20	D. N. a. m.	8:50 a. m.	1.20	6:00 a. m.	6:38 a. m.	.26	.08	.17	.28	.44	.52	.58	.68	.73						
July 22	6:30 a. m.	12:45 p. m.	1.23	11:53 a. m.	12:08 p. m.	.63	.13	.28	.49											
Aug. 2	10:10 a. m.	10:55 a. m.	1.19	10:13 a. m.	10:41 a. m.	.01	.18	.40	.65	.83	1.07	1.18								
Aug. 21	2:22 p. m.	4:20 p. m.	.58	2:29 p. m.	2:44 p. m.	.02	.17	.38	.45											
Syracuse, N. Y.:																				
July 10	2:10 p. m.	3:15 p. m.	.50	2:18 p. m.	2:30 p. m.	.02	.08	.31	.37											
July 22	7:30 a. m.	2:10 p. m.	3.21	8:03 a. m.	9:50 a. m.	.06	.16	.25	.30	.34	.41	.52	.59	.67	.77	.84	1.26	1.33	1.82	1.99
Do	7:30 a. m.	2:10 p. m.	3.21	1:29 p. m.	1:48 p. m.	2.30	.20	.67	.81	.87										
Aug. 16	4:02 p. m.	6:50 p. m.	2.51	4:06 p. m.	5:23 p. m.	.01	.16	.35	.59	.73	.97	1.24	1.46	1.68	1.93	2.12	2.24	2.46		
Oct. 18	[6] 6:45 p. m.	4:06 p. m.	1.58	2:13 a. m.	2:30 a. m.	.43	.16	.29	.46	.52										

[1] On following date. [2] On previous date. [3] From defective record. [4] Record from June to December, inclusive.

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

Station and date	Total duration		Total amount of precipitation	Excessive rate		Amount before excessive rate began	Depths of precipitation (in inches) during periods of time indicated													
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
LOWER LAKE REGION—con.																				
Erie, Pa.:																				
July 9	3:55 p. m.	6:40 p. m.	1.06	3:55 p. m.	4:42 p. m.	0	0.11	0.19	0.26	0.30	0.30	0.34	0.59	0.77	0.89	0.92				
July 19	D. N. a. m.	D. N. a. m.	.49	4:04 a. m.	4:15 a. m.	.02	.19	.33	.39											
Aug. 4	7:11 p. m.	[1]D. N. a. m.	1.04	8:09 p. m.	8:29 p. m.	.23	.27	.51	.61	.66										
Aug. 10	9:15 p. m.	D. N. p. m.	1.55	9:22 p. m.	9:56 p. m.	.01	.24	.61	.92	1.11	1.31	1.45	1.51							
Oct. 18	[2]4:35 p. m.	10:17 a. m.	.75	4:07 a. m.	4:29 a. m.	.15	.11	.18	.29	.40	.43									
Cleveland, Ohio:																				
May 17 [4]	2:52 p. m.	5:20 p. m.	.62	3:58 p. m.	4:08 p. m.	.02	.13	.38												
July 9	1:51 p. m.	4:43 p. m.	.97	2:24 p. m.	2:41 p. m.	.04	.37	.56	.72	.78										
July 27	2:38 p. m.	4:16 p. m.	1.99	3:09 p. m.	3:58 p. m.	.08	.10	.22	.38	.67	1.10	1.44	1.60	1.68	1.74	1.84				
Do	4:34 p. m.	6:28 p. m.	1.02	5:58 p. m.	6:10 p. m.	.39	.23	.58	.63											
Aug. 21	12:08 p. m.	12:44 p. m.	.42	12:18 p. m.	12:30 p. m.	.01	.22	.35	.40											
Sandusky, Ohio:																				
May 19	1:47 p. m.	2:55 p. m.	.58	1:48 p. m.	1:58 p. m.	.01	.24	.42												
June 17	6:50 p. m.	8:45 p. m.	1.05	7:35 p. m.	8:19 p. m.	.02	.33	.56	.63	.65	.67	.70	.81	.94	1.01					
July 9	12:21 p. m.	1:25 p. m.	.51	12:21 p. m.	12:43 p. m.	0	.08	.15	.35	.44	.47									
July 19	D. N. a. m.	D. N. a. m.	.81	12:48 a. m.	1:12 a. m.	.07	.22	.33	.41	.52	.69									
Aug. 5	11:52 a. m.	1:30 p. m.	.65	12:06 p. m.	12:19 p. m.	.01	.30	.58	.63											
Aug. 21	10:49 a. m.	11:05 a. m.	.27	10:53 a. m.	10:58 a. m.	.01	.25													
Toledo, Ohio:																				
June 5	8:49 a. m.	1:15 p. m.	1.13	11:24 a. m.	11:40 a. m.	.35	.22	.49	.66	.69										
July 19	5:19 p. m.	7:24 p. m.	.63	5:35 p. m.	5:57 p. m.	.04	.08	.22	.46	.54	.56									
Aug. 4	6:32 p. m.	8:30 p. m.	.64	6:57 p. m.	7:13 p. m.	.04	.15	.37	.51	.54										
Aug. 9	3:29 p. m.	4:50 p. m.	.55	3:38 p. m.	3:53 p. m.	.04	.19	.42	.47											
Aug. 29	9:02 p. m.	10:50 p. m.	.43	9:54 p. m.	10:00 p. m.	.05	.29	.33												
Sept. 11	9:25 p. m.	9:55 p. m.	.42	9.30 p. m.	9:41 p. m.	.02	.07	.33	.38											
Fort Wayne, Ind.:																				
May 17	7:59 p. m.	11:45 p. m.	3.00	8:52 p. m.	10:45 p. m.	.04	.18	.26	.38	.65	.75	.83	1.05	1.20	1.38	1.53	1.89	2.17	2.53	2.94
June 5	D. N. a. m.	10:10 a. m.	.87	9:11 a. m.	9:37 a. m.	.32	.06	.21	.36	.44	.51	.53								
June 19	6:36 a. m.	8:50 a. m.	.54	7:00 a. m.	7:10 a. m.	.01	.25	.40												
July 21	2:25 p. m.	3:50 p. m.	2.04	2:34 p. m.	3:14 p. m.	.03	.05	.24	.69	1.17	1.48	1.62	1.88	1.97						
Detroit, Mich.:																				
May 18	1:50 p. m.	3:00 p. m.	.67	1:58 p. m.	2:22 p. m.	.06	.06	.22	.36	.39	.56									
July 9	10:45 a. m.	12:45 p. m.	.74	11:09 a. m.	11:39 a. m.	.02	.05	.26	.46	.51	.60	.65								
July 19	5:05 p. m.	8:15 p. m.	1.43	5:26 p. m.	5:49 p. m.	.03	.21	.53	.95	1.15	1.20									
Sept. 11	5:45 p. m.	6:45 p. m.	.59	6:13 p. m.	6:25 p. m.	.19	.09	.34	.39											
UPPER LAKE REGION																				
Alpena, Mich.:																				
Aug. 2	10:49 a. m.	3:20 p. m.	1.68	10:52 a. m.	11:38 a. m.	.01	.05	.24	.44	.53	.69	.98	1.30	1.36	1.42	1.43				
Aug. 20	2:22 p. m.	2:34 p. m.	.51	2:22 p. m.	2:30 p. m.	0	.26	.51												
Do	5:25 p. m.	7:05 p. m.	.67	6:07 p. m.	6:36 p. m.	.03	.16	.41	.43	.45	.52	.63								
Sept. 12	11:30 a. m.	1:40 p. m.	.55	12:35 p. m.	12:53 p. m.	.08	.09	.28	.41	.47										
Escanaba, Mich.:																				
July 2	9:15 p. m.	[1]D. N. a. m.	.94	10:11 p. m.	10:38 p. m.	.01	.10	.23	.30	.50	.61	.64								
July 17	8:12 p. m.	D. N. p. m.	.55	8:22 p. m.	8:45 p. m.	.01	.08	.27	.38	.44	.48									
July 24	2:35 p. m.	4:05 p. m.	.60	2:50 p. m.	3:10 p. m.	.03	.13	.24	.37	.46										
July 26	4:15 p. m.	5:40 p. m.	.77	4:39 p. m.	5:27 p. m.	.02	.19	.31	.32	.34	.35	.36	.42	.50	.64	.74				
Sept. 2	12:01 p. m.	1:40 p. m.	.50	12:01 p. m.	12:13 p. m.	0	.20	.32	.38											
Grand Haven, Mich.:																				
Sept. 14	5:33 p. m.	8:48 p. m.	1.02	6:51 p. m.	7:03 p. m.	.08	.14	.39	.49											
Grand Rapids, Mich.:																				
May 24	7:02 p. m.	D. N. p. m.	.79	7:20 p. m.	7:40 p. m.	.04	.13	.27	.37	.43										
June 22 [4]	5:00 p. m.	8:00 p. m.	1.92	5:12 p. m.	5:38 p. m.	.02	.15	.42	.50	.60	.71	.82								
Do	5:00 p. m.	8:00 p. m.	1.92	6:45 p. m.	7:25 p. m.	.88	.10	.16	.34	.50	.58	.73	.95	1.01						
June 24 [4]	3:08 p. m.	[1]D. N. a. m.	1.34	5:26 p. m.	5:45 p. m.	.17	.16	.42	.72	.78										
Aug. 2 [4]	9:28 p. m.	[1]D. N. a. m.	2.51	10:23 p. m.	11:21 p. m.	.15	.25	.45	.66	.91	.95	1.02	1.11	1.20	1.34	1.48	1.58			
Aug. 2-3 [4]	9:28 p. m.	D. N. a. m.	2.51	11:56 p. m.	12:26 a. m.	1.78	.10	.22	.36	.46	.54	.72								
Sept. 14	6:42 p. m.	D. N. p. m.	.75	7:16 p. m.	7:21 p. m.	.01	.25													
Oct. 8	7:30 p. m.	D. N. p. m.	.49	8:09 p. m.	8:29 p. m.	.03	.19	.34	.39	.44										
Houghton, Mich.:																				
July 7	9:05 a. m.	10:10 a. m.	.89	9:14 a. m.	9:29 a. m.	.04	.35	.68	.76											
July 8	5:40 p. m.	8:25 p. m.	1.04	5:46 p. m.	6:11 p. m.	.01	.06	.17	.39	.59	.78									
Lansing, Mich.:																				
May 18	2:11 p. m.	3:37 p. m.	.69	2:42 p. m.	2:56 p. m.	.12	.06	.22	.39											
July 22	D. N. a. m.	D. N. a. m.	.71	4:01 a. m.	4:23 a. m.	.02	.12	.24	.40	.53	.61									
Aug. 30	D. N. a. m.	D. N. a. m.	.84	12:14 a. m.	12:47 a. m.	.04	.26	.36	.39	.45	.66	.68	.78							
Oct. 18	6:47 a. m.	8:42 a. m.	.39	7:56 a. m.	8:01 a. m.	.03	.29													
Ludington, Mich.:																				
July 31	7:43 p. m.	8:10 p. m.	.36	7:46 p. m.	7:54 p. m.	.01	.28	.35												
Aug. 2	3:18 p. m.	7:00 p. m.	.74	5:23 p. m.	5:33 p. m.	.25	.11	.34												
Sept. 14	3:50 p. m.	7:40 p. m.	1.04	6:23 p. m.	6:52 p. m.	.14	.08	.10	.17	.46	.71	.82								
Oct. 12	11:40 a. m.	3:43 p. m.	.73	2:55 p. m.	3:19 p. m.	.25	.12	.24	.30	.37	.47									
Marquette, Mich.:																				
June 21 [4]	11:38 a. m.	6:10 p. m.	.56	12:02 p. m.	12:13 p. m.	.03	.21	.42	.51											
July 8	4:00 p. m.	5:30 p. m.	.72	4:29 p. m.	4:48 p. m.	.15	.22	.34	.46	.54										
Aug. 3	2:00 a. m.	[2]4:00 a. m.	1.28	4:18 a. m.	4:48 a. m.	.48	.06	.12	.24	.34	.42	.50								
Port Huron, Mich.:																				
July 9	12:13 p. m.	1:25 p. m.	.45	12:18 p. m.	12:26 p. m.	.01	.27	.32												
Aug. 4	7:55 p. m.	9:05 p. m.	.90	7:55 p. m.	8:23 p. m.	0	.19	.40	.57	.70	.79	.86								
Aug. 8	10:27 p. m.	10:50 p. m.	.31	10:32 p. m.	10:36 p. m.	.01	.30													
Aug. 10	1:12 p. m.	2:40 p. m.	1.18	1:42 p. m.	2:28 p. m.	.01	.18	.25	.40	.43	.46	.65	.69	.80	1.06	1.14				
Sept. 15	D. N. a. m.	D. N. a. m.	.58	12:27 a. m.	12:45 a. m.	.01	.18	.18	.41	.49										

[1] On following date. [2] On previous date. [4] From defective record.

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

Station and date	Total duration		Total amount of precipitation	Excessive rate		Amount before excessive rate began	Depths of precipitation (in inches) during periods of time indicated													
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
UPPER LAKE REGION—con.																				
Sault Ste. Marie, Mich.:																				
July 9	D. N. a. m.	6:25 a. m.	0.74	3:52 a. m.	4:07 a. m.	0.01	0.35	0.56	0.69											
Chicago University, Ill.:																				
June 20	1:12 p. m.	5:34 p. m.	2.71	2:14 p. m.	3:14 p. m.	.01	.22	.72	1.10	1.38	1.58	1.70	1.86	1.92	2.04	2.06	2.30			
June 24	3:55 p. m.	7:07 p. m.	1.37	4:49 p. m.	5:56 p. m.	.07	.11	.21	.28	.32	.35	.42	.52	.58	.62	.68	.99	1.26		
July 2	8:41 a. m.	9:42 a. m.	.45	8:49 a. m.	8:59 a. m.	.01	.17	.41												
July 3	2:13 a. m.	4:47 a. m.	.98	2:27 a. m.	2:57 a. m.	.04	.08	.14	.25	.47	.68	.78								
Aug. 3	9:37 p. m.	10:42 p. m.	.70	10:08 p. m.	10:28 p. m.	.07	.27	.47	.55	.61										
Aug. 29	1:26 p. m.	5:10 p. m.	1.51	2:23 p. m.	2:57 p. m.	.05	.18	.42	.53	.73	1.01	1.20	1.30							
Sept. 14	4:48 p. m.	6:21 p. m.	.78	4:56 p. m.	5:26 p. m.	.01	.10	.21	.35	.50	.54	.61								
Green Bay, Wis.:																				
June 18	5:10 a. m.	12:30 p. m.	3.49	5:45 a. m.	6:35 a. m.	.03	.06	.15	.27	.33	.37	.42	.44	.49	.63	.76				
				6:35 a. m.	7:25 a. m.		.89	1.01	1.08	1.17	1.19	1.20	1.23	1.27	1.31	1.42				
				7:25 a. m.	7:52 a. m.		1.63	1.74	1.84	1.94	2.15	2.22								
July 4	5:25 p. m.	5:55 p. m.	.58	5:31 p. m.	5:45 p. m.	.01	.17	.41	.56											
July 19	7:05 p. m.	9:45 p. m.	.75	7:43 p. m.	8:10 p. m.	.07	.12	.20	.24	.43	.48	.52								
July 26	6:00 p. m.	7:30 p. m.	.57	6:42 p. m.	6:58 p. m.	.11	.15	.33	.36	.43										
Aug. 3	[2] D. N. p. m.	D. N. a. m.	1.20	1:58 a. m.	2:31 a. m.	.12	.09	.27	.53	.69	.84	.93	1.01							
Aug. 16	7:40 p. m.	9:15 p. m.	.43	7:46 p. m.	7:58 p. m.	.01	.18	.36	.39											
Milwaukee, Wis.:																				
May 16	4:35 p. m.	D. N. p. m.	1.59	7:25 p. m.	7:58 p. m.	.68	.06	.18	.26	.31	.40	.42	.58							
June 17	12:47 p. m.	6:10 p. m.	1.14	5:22 p. m.	5:46 p. m.	.33	.11	.30	.50	.75	.80									
June 18	D. N. a. m.	9:33 a. m.	1.88	5:08 a. m.	5:32 a. m.	.03	.12	.20	.22	.42	.54									
Do	D. N. a. m.	9:33 a. m.	1.88	7:15 a. m.	7:43 a. m.	.94	.11	.21	.34	.47	.58	.67								
July 26	11:12 p. m.	D. N. p. m.	.47	11:15 p. m.	11:39 p. m.	.01	.09	.21	.29	.35	.46									
Oct. 12	8:40 p. m.	D. N. p. m.	.81	8:58 p. m.	9:08 p. m.	.09	.13	.37												
Duluth, Minn.:																				
June 13	D. N. a. m.	7:15 a. m.	.60	4:48 a. m.	5:09 a. m.	.03	.09	.26	.36	.51	.54									
July 7	5:28 a. m.	7:15 a. m.	1.59	5:30 a. m.	6:07 a. m.	.01	.09	.13	.29	.76	1.03	1.15	1.28	1.30						
July 17	D. N. a. m.	6:30 a. m.	1.14	1:14 a. m.	1:24 a. m.	.01	.24	.34												
July 25	9:37 p. m.	10:00 p. m.	.38	9:39 p. m.	9:52 p. m.	.01	.12	.35	.37											
July 26	12:35 a. m.	3:00 a. m.	.81	12:41 a. m.	12:59 a. m.	.01	.21	.30	.35	.39										
Aug. 6	4:45 p. m.	7:20 p. m.	.73	5:43 p. m.	5:59 p. m.	.04	.10	.21	.45	.47										
Aug. 14	8:05 p. m.	[1] D. N. a. m.	1.00	9:35 p. m.	9:48 p. m.	.10	.16	.34	.40											
Aug. 27	8:32 p. m.	D. N. p. m.	.85	10:40 p. m.	10:52 p. m.	.43	.14	.35	.38											
NORTH DAKOTA																				
Moorhead, Minn.:																				
July 1	8:18 p. m.	10:00 p. m.	1.48	8:26 p. m.	9:10 p. m.	.04	.06	.15	.26	.47	.82	1.13	1.29							
July 6	D. N. a. m.	6:10 a. m.	.83	4:51 a. m.	5:16 a. m.	.01	.14	.29	.50	.65	.72									
July 8	D. N. a. m.	D. N. a. m.	.97	1:18 a. m.	1:32 a. m.	.02	.11	.40	.51											
July 16	3:12 p. m.	7:50 p. m.	1.74	3:23 p. m.	4:06 p. m.	.03	.05	.17	.22	.30	.35	.49	.63	.77	.89					
July 20	8:42 a. m.	1:38 p. m.	.73	11:52 a. m.	12:06 p. m.	.08	.11	.34	.45											
Aug. 22	3:48 p. m.	6:09 p. m.	.65	4:09 p. m.	4:25 p. m.	.07	.11	.26	.46	.49										
Aug. 26	6:01 p. m.	D. N. p. m.	3.05	7:47 p. m.	8:49 p. m.	.17	.16	.29	.42	.77	.96	1.23	1.50	1.78	1.98	2.24	2.55	2.60		
Sept. 13	6:54 p. m.	D. N. p. m.	1.12	8:14 p. m.	8:31 p. m.	.15	.16	.24	.43	.47										
Bismarck, N. Dak.:																				
Apr. 28	9:10 p. m.	[1] D. N. a. m.	.68	9:19 p. m.	9:28 p. m.	.01	.22	.30												
July 7	5:50 p. m.	6:25 p. m.	.47	6:03 p. m.	6:15 p. m.	.03	.20	.40	.44											
July 18	5:50 p. m.	8:40 p. m.	.76	6:27 p. m.	7:01 p. m.	.01	.11	.23	.24	.29	.36	.49	.55							
July 20	D. N. a. m.	D. N. a. m.	.88	2:46 a. m.	3:12 a. m.	.02	.20	.45	.60	.69	.75	.77								
Aug. 2	4:01 p. m.	4:40 p. m.	.73	4:20 p. m.	4:36 p. m.	.01	.34	.57	.71	.72										
Devils Lake, N. Dak.:																				
May 17	4:05 p. m.	6:25 p. m.	.98	4:26 p. m.	5:17 p. m.	.08	.09	.13	.32	.52	.59	.61	.64	.74	.80	.85	.88			
Ellendale, N. Dak.:																				
July 1	11:10 a. m.	11:59 a. m.	.49	11:21 a. m.	11:43 a. m.	.01	.06	.18	.29	.42	.46									
July 6	D. N. a. m.	D. N. a. m.	.51	3:51 a. m.	4:08 a. m.	.01	.06	.29	.44	.49										
July 16	3:48 p. m.	8:50 p. m.	1.58	3:55 p. m.	4:15 p. m.	.01	.09	.15	.25	.40										
Do	3:48 p. m.	8:50 p. m.	1.58	6:51 p. m.	7:11 p. m.	.77	.12	.36	.43	.51										
Aug. 15	7:21 p. m.	D. N. p. m.	1.35	7:21 p. m.	8:21 p. m.	0	.19	.44	.53	.55	.64	.78	.89	.94	.97	1.02	1.19			
Aug. 26	10:26 p. m.	D. N. p. m.	.32	10:38 p. m.	10:47 p. m.	.01	.16	.31												
Sept. 13	4:07 p. m.	8:20 p. m.	1.77	7:03 p. m.	7:46 p. m.	.43	.15	.26	.29	.47	.63	.86	1.12	1.27	1.34					
Williston, N. Dak.:																				
July 5	2:40 a. m.	4:00 a. m.	.54	2:44 a. m.	2:59 a. m.	.01	.13	.37	.45											
July 15	9:00 p. m.	[1] D. N. a. m.	1.69	9:05 p. m.	9:25 p. m.	.01	.12	.32	.87	1.07										
July 18	9:15 a. m.	11:15 a. m.	.69	10:15 a. m.	10:38 a. m.	.04	.09	.25	.41	.55	.60									
UPPER MISSISSIPPI VALLEY																				
Minneapolis, Minn.:																				
July 2	D. N. a. m.	D. N. a. m.	.87	12:39 a. m.	1:10 a. m.	.01	.12	.31	.47	.59	.71	.79	.82							
July 19	D. N. a. m.	5:30 a. m.	1.14	4:15 a. m.	5:04 a. m.	.02	.11	.17	.22	.26	.37	.56	.70	.83	.97	1.04				
Aug. 1	4:25 p. m.	D. N. p. m.	1.20	4:29 p. m.	4:49 p. m.	.01	.10	.40	.62	.76										
Aug. 6	3:58 p. m.	6:05 p. m.	1.44	4:25 p. m.	5:44 p. m.	.04	.05	.10	.23	.43	.62	.72	.75	.78	.80	.83	.91	1.37		
Aug. 15	D. N. a. m.	D. N. a. m.	.73	1:10 a. m.	1:27 a. m.	.01	.10	.28	.41	.46										
Sept. 14	7:30 p. m.	[1] D. N. a. m.	.70	8:35 p. m.	8:51 p. m.	.10	.11	.28	.47	.51										
Oct. 4	4:07 p. m.	6:20 p. m.	.42	4:19 p. m.	4:34 p. m.	.01	.29													
St. Paul, Minn.:																				
July 2	12:40 a. m.	5:00 a. m.	.82	12:45 a. m.	1:26 a. m.	.01	.07	.18	.31	.41	.47	.55	.63	.70	.72					
July 7	5:58 p. m.	9:40 p. m.	1.96	6:22 p. m.	7:53 p. m.	.13	.11	.21	.26	.27	.34	.45	.54	.60	.66	.68	.76	1.03	1.41	
Aug. 1	4:20 p. m.	[1] D. N. a. m.	.89	4:36 p. m.	4:58 p. m.	T.	.14	.27	.43	.52	.56									
Aug. 6	4:15 p. m.	6:50 p. m.	1.66	5:03 p. m.	5:53 p. m.	.23	.21	.35	.59	.70	.80	.86	.97	1.06	1.29	1.42				
Aug. 15	1:20 a. m.	D. N. a. m.	.99	1:37 a. m.	2:04 a. m.	.01	.05	.29	.50	.59	.64	.68								

[1] On following date.

[2] On previous 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 1928 at all stations furnished with self-registering gauges—Continued

Station and date	Total duration		Total amount of precipitation	Excessive rate		Amount before excessive rate began	Depths of precipitation (in inches) during periods of time indicated													
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
UPPER MISSISSIPPI VALLEY—con.																				
La Crosse, Wis.:																				
May 18	2:35 p. m.	8:55 p. m.	1.50	3:55 p. m.	4:32 p. m.	0.07	0.11	0.16	0.30	0.43	0.48	0.60	0.70	0.74						
July 2	D. N. a. m.	8:10 a. m.	1.95	4:31 a. m.	5:32 a. m.	.34	.14	.25	.36	.42	.51	.64	.74	.82	0.85	0.92	1.03	1.09		
July 8	1:02 p. m.	4:40 p. m.	1.07	1:17 p. m.	1:25 p. m.	.04	.30	.45												
July 19	D. N. a. m.	D. N. a. m.	1.62	1:22 a. m.	1:30 a. m.	.09	.15	.34												
Do	D. N. a. m.	D. N. a. m.	1.62	2:18 a. m.	2:33 a. m.	.49	.14	.28	.44											
Do	D. N. a. m.	D. N. a. m.	1.62	3:23 a. m.	3:41 a. m.	1.05	.06	.20	.41	.57										
July 26	4:35 p. m.	5:01 p. m.	.38	4:40 p. m.	4:49 p. m.	.01	.22	.35												
Aug. 1	8:41 p. m.	D. N. p. m.	.55	8:46 p. m.	9:07 p. m.	.02	.10	.26	.36	.43	.46									
Aug. 2	12:20 a. m.	D. N. a. m.	.90	12:34 a. m.	1:05 a. m.	.02	.05	.19	.34	.52	.64	.69	.71							
Aug. 16	1:27 p. m.	2:01 p. m.	.87	1:33 p. m.	1:50 p. m.	.01	.19	.54	.72	.81										
Aug. 20	6:22 p. m.	D. N. p. m.	1.82	6:44 p. m.	7:25 p. m.	.01	.26	.43	.60	.78	.94	1.07	1.21	1.25	1.30					
Sept. 13	10:16 p. m.	[1] 7:15 a. m.	2.99	10:34 p. m.	10:52 p. m.	.09	.12	.33	.66	.76										
Oct. 4	7:40 p. m.	10:15 p. m.	.98	7:48 p. m.	8:07 p. m.	.01	.23	.53	.64	.69										
Oct. 16	7:45 a. m.	10:35 a. m.	1.02	8:45 a. m.	9:13 a. m.	.17	.12	.26	.40	.48	.53	.58								
Madison, Wis.:																				
June 17	7:25 a. m.	11:40 a. m.	1.59	8:32 a. m.	9:32 a. m.	.50	.09	.16	.18	.24	.30	.36	.41	.54	.60	.68	.84			
June 22	1:28 p. m.	3:50 p. m.	.72	1:56 p. m.	2:07 p. m.	.04	.27	.42	.46											
July 2	10:00 p. m.	[1] 3:15 a. m.	1.30	10:39 p. m.	11:06 p. m.	.04	.11	.22	.51	.74	1.00	1.05								
Wausau, Wis.:																				
May 18	4:50 p. m.	7:45 p. m.	.71	5:43 p. m.	6:12 p. m.	.10	.18	.28	.38	.42	.48	.56								
July 8	2:05 p. m.	7:05 p. m.	.94	4:02 p. m.	4:13 p. m.	.23	.32	.54	.58											
July 12	2:48 p. m.	6:10 p. m.	1.07	3:05 p. m.	3:31 p. m.	.01	.20	.44	.55	.66	.72	.77								
Aug. 20 [4]	9:07 a. m.	[1] D. N. a. m.	3.17	5:56 p. m.	7:33 p. m.	.30	.11	.18	.23	.31	.48	.62	.72	.80	.92	1.14	1.52	2.00	2.25	
Sept. 10	10:51 a. m.	2:55 p. m.	.67	12:27 p. m.	12:37 p. m.	.20	.13	.33												
Sept. 14	11:50 a. m.	4:03 p. m.	.89	3:08 p. m.	3:30 p. m.	.32	.14	.22	.30	.43	.53									
Oct. 4	7:50 p. m.	[1] D. N. a. m.	1.47	8:19 p. m.	9:00 p. m.	.01	.12	.23	.42	.53	.65	.81	.92	1.01	1.04					
Charles City, Iowa:																				
May 17	8:30 p. m.	10:30 p. m.	.55	8:44 p. m.	9:08 p. m.	.01	.07	.22	.30	.45	.51									
June 22	2:47 p. m.	3:30 p. m.	.46	2:49 p. m.	3:01 p. m.	.01	.22	.32	.38											
July 17	4:55 p. m.	7:40 p. m.	1.03	5:57 p. m.	6:14 p. m.	.09	.06	.23	.48	.51										
July 18	6:40 p. m.	8:15 p. m.	.59	7:13 p. m.	7:29 p. m.	.05	.12	.37	.44	.47										
Aug. 1	12:23 p. m.	1:10 p. m.	.68	12:25 p. m.	12:49 p. m.	.01	.09	.24	.48	.57	.64									
Aug. 2	4:30 p. m.	10:30 p. m.	2.11	5:27 p. m.	6:22 p. m.	.06	.21	.52	.72	.76	.99	1.37	1.48	1.54	1.60	1.67	1.79			
Aug. 3	2:36 p. m.	4:24 p. m.	.91	3:18 p. m.	3:37 p. m.	.04	.24	.51	.72	.81										
Aug. 20	2:48 a. m.	4:25 a. m.	.84	3:00 a. m.	3:20 a. m.	.01	.12	.26	.41	.67										
Do	5:25 p. m.	6:48 p. m.	1.83	5:43 p. m.	6:21 p. m.	.06	.12	.46	.82	1.01	1.13	1.39	1.68	1.74						
Aug. 22	5:00 p. m.	6:40 p. m.	1.09	5:41 p. m.	6:10 p. m.	.02	.14	.26	.47	.73	.97	1.03								
Do	10:35 p. m.	[1] 3:45 a. m.	2.61	10:56 p. m.	11:34 p. m.	.05	.12	.24	.44	.71	.95	1.25	1.35	1.41						
Aug. 29	5:50 a. m.	7:55 a. m.	1.41	6:02 a. m.	6:40 a. m.	.05	.17	.19	.37	.55	.80	.88	1.01	1.08						
Davenport, Iowa:																				
May 18	3:52 p. m.	6:00 p. m.	.78	3:52 p. m.	4:21 p. m.	0	.21	.32	.32	.37	.60	.70								
June 22	11:25 a. m.	12:10 p. m.	.54	11:38 a. m.	11:48 a. m.	.02	.20	.33												
July 4	[2] 8:41 p. m.	8:30 a. m.	2.05	12:17 a. m.	12:45 a. m.	.54	.20	.46	.57	.62	.68	.74								
July 19	[2] D. N. p. m.	2:30 a. m.	.98	12:13 a. m.	12:30 a. m.	.03	.27	.59	.75	.80										
Aug. 3	6:45 p. m.	[1] 3:45 a. m.	1.05	6:45 p. m.	6:54 p. m.	0	.27	.38												
Aug. 16	7:20 p. m.	[1] D. N. a. m.	1.02	7:29 p. m.	7:57 p. m.	.03	.15	.31	.45	.57	.67	.71								
Aug. 20	5:23 a. m.	8:00 a. m.	1.59	5:26 a. m.	6:32 a. m.	.01	.10	.23	.52	.69	.69	.72	.80	.94	.98	1.01	1.17	1.27		
Do	9:15 p. m.	10:00 p. m.	.50	9:20 p. m.	9:40 p. m.	.02	.16	.31	.40	.45										
Aug. 22	8:35 p. m.	9:15 p. m.	.33	8:42 p. m.	8:52 p. m.	.01	.17	.31												
Oct. 4	5:45 p. m.	9:30 p. m.	.79	8:11 p. m.	8:27 p. m.	.04	.28	.56	.62	.66										
Des Moines, Iowa:																				
May 17	3:15 p. m.	4:05 p. m.	.55	3:28 p. m.	3:46 p. m.	.05	.09	.36	.46	.50										
Do	5:55 p. m.	7:20 p. m.	1.13	6:11 p. m.	6:47 p. m.	.01	.13	.17	.25	.37	.56	.68	.90	.98						
June 12	5:05 a. m.	9:20 a. m.	.87	5:27 a. m.	5:49 a. m.	.02	.16	.32	.41	.48	.53									
June 16	9:00 p. m.	[1] D. N. a. m.	1.16	9:09 p. m.	9:39 p. m.	.01	.31	.53	.60	.71	.79	.85								
June 28	10:42 a. m.	5:15 p. m.	1.75	2:47 p. m.	3:32 p. m.	.15	.08	.36	.67	.90	1.05	1.17	1.23	1.33	1.54					
July 4	D. N. a. m.	D. N. a. m.	1.20	3:41 a. m.	4:03 a. m.	.16	.47	.76	.89	.97	1.04									
July 9	9:30 p. m.	D. N. p. m.	.77	9:44 p. m.	10:05 p. m.	.02	.41	.55	.66	.72	.74									
July 12	8:50 p. m.	10:00 p. m.	.90	8:55 p. m.	9:18 p. m.	.01	.22	.48	.76	.80	.85									
Aug. 2	8:40 p. m.	[2] D. N. a. m.	2.54	8:54 p. m.	9:54 p. m.	.01	.17	.33	.37	.43	.48	.52	.52	.59	.64	.67	.93			
Aug. 16	5:00 p. m.	5:55 p. m.	.98	5:06 p. m.	5:28 p. m.	.01	.27	.48	.58	.78	.89									
Aug. 26	9:15 p. m.	[2] D. N. a. m.	1.02	9:39 p. m.	10:32 p. m.	.03	.21	.31	.46	.52	.56	.57	.62	.68	.75	.88	.97			
Dubuque, Iowa:																				
May 24	6:15 p. m.	6:32 p. m.	.42	6:19 p. m.	6:27 p. m.	.01	.28	.41												
June 19	[2] D. N. p. m.	D. N. a. m.	.98	12:19 a. m.	1:15 a. m.	.04	.11	.21	.30	.35	.36	.42	.48	.60	.76	.83	.93			
June 22	11:21 a. m.	2:10 p. m.	.59	12:15 p. m.	12:28 p. m.	.05	.31	.36	.41											
July 19	6:33 p. m.	8:55 p. m.	.87	6:39 p. m.	6:54 p. m.	.01	.43	.70	.82											
Aug. 2	8:35 p. m.	[1] 7:05 a. m.	1.67	8:53 p. m.	9:31 p. m.	.01	.12	.17	.37	.52	.56	.69	.97	1.08						
Aug. 16	4:12 p. m.	6:28 p. m.	.32	4:22 p. m.	4:29 p. m.	.01	.25	.31												
Aug. 20	8:10 p. m.	9:02 p. m.	.99	8:23 p. m.	8:46 p. m.	.02	.42	.65	.79	.91	.96									
Aug. 22	8:08 p. m.	[1] 8:20 a. m.	3.73	8:49 p. m.	9:23 p. m.	.03	.06	.10	.23	.33	.47	.70	.83							
Aug. 23	[1] 8:08 p. m.	8:20 a. m.	3.73	1:01 a. m.	1:40 a. m.	1.10	.05	.11	.17	.24	.34	.50	.55							
Do	[1] 8:08 p. m.	8:20 a. m.	3.73	2:12 a. m.	3:40 a. m.	1.79	.17	.25	.39	.43	.46	.51	.58	.67	.83	.93	.98	1.32	1.52	
Sept. 14	12:08 p. m.	1:45 p. m.	.36	12:45 p. m.	12:50 p. m.	.04	.32													
Oct. 4	6:50 p. m.	9:30 p. m.	.86	8:15 p. m.	8:28 p. m.	.01	.47	.66	.72											
Keokuk, Iowa:																				
May 16	11:05 a. m.	12:40 p. m.	.52	12:08 p. m.	12:26 p. m.	.02	.16	.33	.36	.42	.46									
June 7	4:00 p. m.	[2] D. N. a. m.	1.56	10:00 p. m.	10:32 p. m.	.65	.08	.20	.34	.43	.50	.58	.65							
June 18	5:20 p. m.	6:10 p. m.	.72	5:47 p. m.	6:02 p. m.	.04	.16	.54	.68											
June 28	6:38 p. m.	7:35 p. m.	.62	6:42 p. m.	6:56 p. m.	.01	.39	.55	.61											
July 31	1:22 p. m.	2:15 p. m.	.45	1:35 p. m.	1:45 p. m.	.02	.16	.37												
Sept. 12	[2] D. N. p. m.	6:10 a. m.	1.96	12:31 a. m.	1:12 a. m.	.21	.16	.23	.36	.42	.49	.50	.55	.69	.74					
Do	[2] D. N. p. m.	6:10 a. m.	1.96	1:54 a. m.	2:12 a. m.	1.09	.19	.29	.44	.50										
Oct. 4	4:15 p. m.	6:30 p. m.	1.59	5:19 p. m.	5:50 p. m.	.30	.06	.18	.31	.47	.86	1.23	1.28							
Oct. 15	12:30 p. m.	1:20 p. m.	.90	12:33 p. m.	12:59 p. m.	.01	.27	.47	.61	.67	.74	.78								

[1] On following date. [2] On previous date. [4] From defective record.

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

Station and date	Total duration		Total amount of precipitation	Excessive rate		Amount before excessive rate began	Depths of precipitation (in inches) during periods of time indicated													
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
UPPER MISSISSIPPI VALLEY—con.																				
Cairo, Ill.:																				
Apr. 20	3:58 p. m.	[1] 8:37 a. m.	2.47	10:28 p. m.	10:53 p. m.	0.48	0.09	0.22	0.37	0.53	0.59									
June 8-9	11:30 p. m.	8:24 a. m.	2.03	11:50 p. m.	1:01 a. m.	.02	.06	.13	.19	.22	.22	0.22	0.25	0.28	0.48	0.71	0.97	1.14		
June 18	[2] 10:45 p. m.	3:00 a. m.	1.65	1:05 a. m.	2:32 a. m.	.30	.10	.33	.48	.57	.62	.68	.74	.81	.84	.86	.92	1.21	1.34	
June 20	8:00 a. m.	11:53 a. m.	.66	10:52 a. m.	11:04 a. m.	.26	.19	.34	.37											
Do	1:30 p. m.	4:00 p. m.	1.04	1:38 p. m.	2:14 p. m.	.01	.22	.40	.44	.51	.59	.73	.83	.85						
June 28	2:20 a. m.	8:26 a. m.	2.35	5:31 a. m.	6:51 a. m.	.20	.10	.25	.45	.91	1.08	1.13	1.23	1.25	1.29	1.43	1.51	1.94		
Do	9:56 a. m.	1:54 p. m.	1.07	10:45 a. m.	11:08 a. m.	.03	.20	.39	.59	.77	.84									
Do	8:09 p. m.	10:20 p. m.	.97	8:49 p. m.	9:34 p. m.	.06	.15	.31	.38	.52	.56	.61	.74	.80	.85					
Aug. 5	10:49 p. m.	[1] 12:15 a. m.	.63	10:56 p. m.	11:17 p. m.	.01	.11	.29	.46	.60	.62									
Oct. 5	[2] D. N. p. m.	D. N. a. m.	.98	12:02 a. m.	12:48 a. m.	.08	.06	.17	.25	.30	.37	.40	.42	.45	.67	.71				
Oct. 16	8:12 a. m.	10:54 a. m.	.62	9:29 a. m.	9:50 a. m.	.11	.24	.28	.28	.46	.50									
Peoria, Ill.:																				
May 18	6:58 p. m.	11:45 p. m.	.88	7:00 p. m.	7:16 p. m.	.01	.22	.35	.47	.58										
May 26	3:13 p. m.	5:03 p. m.	.81	3:39 p. m.	3:48 p. m.	.07	.21	.32												
June 17	9:08 p. m.	11:45 p. m.	1.77	9:17 p. m.	10:44 p. m.	.03	.15	.21	.41	.69	.77	.82	.85	.88	.96	1.07	1.23	1.42	1.61	
June 24	11:47 a. m.	1:44 p. m.	.66	12:03 p. m.	12:14 p. m.	.04	.20	.54	.58											
June 28	4:34 p. m.	10:45 p. m.	1.99	5:13 p. m.	5:43 p. m.	.31	.10	.18	.27	.53	.75	.90								
July 3	9:00 p. m.	[1] 12:30 a. m.	.96	10:57 p. m.	11:25 p. m.	.03	.19	.32	.43	.55	.64	.72								
July 19	10:26 a. m.	12:30 p. m.	.57	10:26 a. m.	10:37 a. m.	0	.21	.54	.55											
July 21	5:04 p. m.	5:35 p. m.	.45	5:04 p. m.	5:15 p. m.	0	.27	.42	.43											
Aug. 17	8:35 a. m.	1:00 p. m.	1.47	11:04 a. m.	11:42 a. m.	.05	.06	.19	.35	.59	.78	.96	1.15	1.26						
Aug. 29	12:41 p. m.	1:23 p. m.	.35	12:53 p. m.	1:00 p. m.	.01	.30	.34												
Sept. 14	2:20 p. m.	3:35 p. m.	.90	2:31 p. m.	2:52 p. m.	.03	.20	.48	.63	.76	.79									
Oct. 17	11:15 a. m.	2:50 p. m.	.87	1:19 p. m.	1:42 p. m.	.13	.08	.16	.25	.36	.49									
Springfield, Ill.:																				
May 16	4:33 p. m.	5:35 p. m.	.64	4:48 p. m.	5:02 p. m.	.02	.23	.40	.54											
May 18	8:50 p. m.	D. N. p. m.	1.07	8:57 p. m.	9:13 p. m.	.02	.09	.23	.39	.41										
June 28	8:20 p. m.	11:40 p. m.	1.28	8:48 p. m.	9:16 p. m.	.02	.16	.54	.78	.91	.96	1.01								
July 21	12:03 p. m.	12:50 p. m.	.90	12:12 p. m.	12:38 p. m.	.01	.18	.41	.44	.48	.80	.89								
Do	10:07 p. m.	11:00 p. m.	.53	10:09 p. m.	10:33 p. m.	.01	.21	.28	.41	.44	.50									
Sept. 14	3:45 p. m.	5:20 p. m.	.76	4:04 p. m.	4:12 p. m.	.02	.15	.32												
Do	3:45 p. m.	5:20 p. m.	.76	4:56 p. m.	5:06 p. m.	.42	.23	.32												
Oct. 4	7:14 p. m.	11:15 p. m.	1.22	7:50 p. m.	8:16 p. m.	.07	.11	.16	.23	.28	.47	.51								
Do	7:14 p. m.	11:15 p. m.	1.22	8:58 p. m.	9:14 p. m.	.68	.18	.25	.38	.40										
Hannibal, Mo.:																				
May 15	12:56 p. m.	4:40 p. m.	1.25	1:02 p. m.	1:48 p. m.	.01	.13	.33	.45	.50	.62	.64	.69	.75	.86	.90				
Sept. 11	10:20 a. m.	2:55 p. m.	1.28	11:31 a. m.	12:36 p. m.	.11	.09	.13	.19	.27	.31	.33	.46	.49	.65	.82	1.03	1.14		
Oct. 4	5:07 p. m.	6:05 p. m.	.87	5:10 p. m.	5:35 p. m.	.01	.20	.46	.55	.68	.84									
St. Louis, Mo.:																				
Mar. 29	1:30 p. m.	5:30 p. m.	.87	2:57 p. m.	3:09 p. m.	.02	.13	.34	.40											
May 16	2:38 p. m.	3:19 p. m.	.41	2:47 p. m.	2:59 p. m.	.01	.07	.18	.38											
June 19	4:05 p. m.	6:05 p. m.	.74	4:15 p. m.	4:27 p. m.	.03	.23	.31	.33											
Do	9:08 p. m.	[1] D. N. a. m.	2.12	9:31 p. m.	9:54 p. m.	.02	.17	.32	.43	.52	.56									
Do	9:08 p. m.	[1] D. N. a. m.	2.12	10:36 p. m.	10:58 p. m.	.68	.19	.33	.59	.81	.86									
July 5	1:30 a. m.	6:35 a. m.	2.91	2:55 a. m.	4:27 a. m.	.17	.07	.12	.20	.31	.44	.68	.86	.89	.99	1.11	1.40	2.29	2.47	
July 12	12 noon.	1:17 p. m.	1.36	12:07 p. m.	12:49 p. m.	.02	.09	.22	.43	.58	.73	.92	1.07	1.17	1.21					
Do	3:45 p. m	7:15 p. m.	.98	4:37 p. m.	5:04 p. m.	.08	.15	.47	.56	.61	.67	.71								
Aug. 4	9:10 p. m.	10:55 p. m.	.93	9:27 p. m.	9:47 p. m.	.08	.18	.36	.56	.66										
Aug 9	1:52 p. m.	3:35 p. m.	1.43	2:21 p. m.	2:59 p. m.	.01	.12	.29	.41	.73	1.04	1.24	1.37	1.42						
Aug. 17	9:08 a. m.	10:12 a. m.	.57	9:12 a. m.	9:23 a. m.	.01	.32	.46	.49											
Sept. 14	5:19 p. m.	6:50 p. m.	1.17	5:30 p. m.	6:09 p. m.	.01	.13	.34	.52	.53	.66	1.02	1.10	1.16						
MISSOURI VALLEY																				
Columbia, Mo.:																				
Feb. 6	7:48 p. m.	D. N. p. m.	.64	7:59 p. m.	8:31 p. m.	.07	.13	.18	.23	.30	.37	.49	.55							
May 18	5:44 a. m.	6:25 a. m.	.41	5:44 a. m.	5:58 a. m.	0	.16	.33	.41											
June 7-8	D. N. p. m.	7:12 a. m.	2.10	11:59 p. m.	1:02 a. m.	.09	.09	.27	.50	.64	.77	.86	.93	1.02	1.14	1.24	1.41	1.57		
June 17	6:27 p. m.	8:20 p. m.	.68	6:35 p. m.	7:04 p. m.	.04	.08	.18	.32	.40	.48	.54								
June 19	2:15 p. m.	3:30 p. m.	1.16	2:35 p. m.	2:53 p. m.	.08	.33	.78	1.03	1.07										
Do	6:00 p. m.	D. N. p. m.	3.62	6:58 p. m.	7:14 p. m.	.10	.12	.33	.52	.54										
Do	6:00 p. m.	D. N. p. m.	3.62	7:53 p. m.	9:08 p. m.	.75	.05	.11	.31	.36	.38	.48	.66	.80	.93	1.00	1.21	1.41		
Do	6:00 p. m.	D. N. p. m.	3.62	9:56 p. m.	10:37 p. m.	2.21	.13	.16	.27	.52	.73	1.10	1.28	1.38	1.40					
June 20	6:42 a. m.	9:30 a. m.	.57	8:47 a. m.	8:58 a. m.	.23	.11	.30	.32											
June 28	[2] 9:17 p. m.	D. N. a. m.	3.00	2:00 a. m.	2:50 a. m.	.37	.07	.17	.26	.36	.45	.55	.64	.74	.85	.94				
				2:50 a. m.	3:40 a. m.		1.03	1.12	1.21	1.32	1.41	1.50	1.59	1.71	1.81	1.91				
				3:40 a. m.	4:20 a. m.		2.02	2.12	2.20	2.28	2.36	2.43	2.50	2.56						
Do[4]	9:40 a. m.	2:00 p. m.	.53	11:22 a. m.	11:36 a. m.	.10	.12	.25	.38											
July 26	5:44 a. m.	6:15 a. m	.37	5:54 a. m.	6:04 a. m.	.02	.13	.34												
July 31	10:27 a. m.	2:30 p. m.	.86	10:44 a. m.	10:59 a. m.	.02	.35	.61	.70											
Do	4:20 p. m.	7:00 p. m.	.78	5:55 p. m.	6:09 p. m.	.36	.10	.29	.37											
Aug. 9	7:01 a. m.	8:50 a. m.	.57	7:08 a. m.	7:21 a. m.	.02	.17	.36	.42											
Sept. 12	1:59 a. m.	7:18 a. m.	2.17	2:23 a. m.	2:54 a. m.	.07	.10	.29	.37	.45	.54	.62	.65							
Do	1:59 a. m.	7:18 a. m.	2.17	3:27 a. m.	4:02 a. m.	.79	.11	.23	.32	.39	.44	.50	.55							
Sept. 13	4:55 a. m.	6:18 a. m.	.56	5:06 a. m.	5:34 a. m.	.01	.17	.29	.34	.36	.48	.51								
Oct. 4	4:12 p. m.	5:30 p. m.	.68	4:30 p. m.	4:52 p. m.	.01	.14	.33	.50	.58	.61									
Oct. 15	6:02 p. m.	6:30 p. m.	.44	6:06 p. m.	6:20 p. m.	.01	.25	.28	.38											
Oct. 16	D. N. a. m.	12:28 p. m.	2.21	3:06 a. m.	3:55 a. m.	.30	.10	.23	.36	.45	.53	.64	.71	.83	.93	1.00				

[1] On following date. [2] On previous date. [4] From defective record.

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

Station and date	Total duration		Total amount of precipitation	Excessive rate		Amount before excessive rate began	Depths of precipitation (in inches) during periods of time indicated													
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
MISSOURI VALLEY—continued.																				
Kansas City, Mo.:																				
June 8	[2] 11:50 p. m.	5:25 a. m.	1.10	12:35 a. m.	12:53 a. m.	0.02	0.18	0.48	0.71	0.77										
June 30	7:30 a. m.	10:03 a. m.	.67	8:32 a. m.	8:54 a. m.	.07	.11	.26	.35	.41	0.45									
July 10	10:18 p. m.	[1] 2:40 a. m.	1.32	10:30 p. m.	11:39 p. m.	.01	.06	.13	.18	.35	.56	0.68	0.74	0.80	0.85	0.94	1.07	1.21		
July 31	1:45 p. m.	3:13 p. m.	.66	2:27 p. m.	2:50 p. m.	.02	.08	.23	.41	.53	.60									
Aug. 3	5:45 p. m.	D. N. p. m.	.87	5:57 p. m.	6:09 p. m.	.01	.27	.50	.57											
Aug. 7	12:45 a. m.	6:47 a. m.	3.37	1:51 a. m.	2:12 a. m.	.17	.17	.31	.42	.72	.77									
Do	12:45 a. m.	6:47 a. m.	3.37	2:48 a. m.	4:21 a. m.	1.02	.13	.41	.68	.82	.88	.94	1.00	1.12	1.28	1.39	1.55	1.85	2.08	
Aug. 8	12:52 a. m.	3:20 a. m.	.77	12:59 a. m.	1:37 a. m.	.02	.11	.21	.29	.34	.42	.48	.58	.62						
Aug. 17	D. N. a. m.	7:35 a. m.	1.73	3:13 a. m.	3:58 a. m.	.27	.25	.54	.63	.70	.89	1.00	1.04	1.09	1.18					
Sept. 11	4:05 a. m.	6:30 a. m.	.89	4:34 a. m.	5:10 a. m.	.16	.07	.24	.35	.45	.51	.58	.66	.70						
St. Joseph, Mo.:																				
June 7-8	11:01 p. m.	D. N. a. m.	2.29	11:08 p. m.	12:38 a. m.	.01	.19	.35	.36	.40	.56	.71	.80	1.09	1.24	1.33	1.47	2.08	2.24	
June 12	2:52 p. m.	5:03 p. m.	.81	2:53 p. m.	3:22 p. m.	.02	.05	.13	.26	.51	.60	.56								
June 17	9:27 a. m.	4:10 p. m.	3.62	12:02 p. m.	12:53 p. m.	.09	.10	.39	.77	.97	.99	.99	1.02	1.24	1.43	1.80	1.85			
Do	9:27 a. m.	4:10 p. m.	3.62	2:28 p. m.	2:58 p. m.	2.19	.07	.45	1.01	1.25	1.34	1.39								
June 27	7:04 p. m.	[1] D. N. a. m.	1.61	10:45 p. m.	11:05 p. m.	.59	.21	.58	.80	.94										
July 10	9:32 p. m.	10:35 p. m.	.48	9:56 p. m.	10:08 p. m.	.02	.20	.40	.44											
July 20	5:16 p. m.	7:13 p. m.	.62	6:25 p. m.	6:40 p. m.	.10	.16	.31	.42											
Aug. 3	2:13 p. m.	5:25 p. m.	1.34	2:21 p. m.	2:41 p. m.	.02	.10	.14	.28	.40										
Do	2:13 p. m.	5:25 p. m.	1.34	3:25 p. m.	4:00 p. m.	.53	.14	.25	.42	.54	.59	.62	.70							
Aug. 17	12:51 p. m.	2:48 p. m.	.97	1:21 p. m.	2:01 p. m.	.02	.05	.17	.30	.40	.53	.62	.70	.78						
Sept. 11	D. N. a. m.	7:06 a. m.	1.85	1:13 a. m.	2:12 a. m.	.08	.08	.11	.19	.46	.60	.69	.80	.92	1.06	1.26	1.46			
Do	8:04 p. m.	9:55 p. m.	1.62	8:58 p. m.	9:41 p. m.	.30	.14	.43	.51	.63	.71	1.04	1.11	1.25	1.31					
Sept. 11-12	11:26 p. m.	D. N. a. m.	.68	11:40 p. m.	12:02 a. m.	.05	.15	.24	.37	.46	.50									
Sept. 12	10:10 p. m.	[4] 12:05 a. m.	2.34	11:09 p. m.	11:47 p. m.	.19	.25	.62	.99	1.34	1.63	(4)	(4)	[4] 2.12						
Sept. 14	[2] 10:45 p. m.	D. N. a. m.	1.56	2:39 a. m.	3:00 a. m.	.87	.10	.14	.36	.53	.57									
Oct. 12	6:30 p. m.	[1] D. N. a. m.	.72	8:01 p. m.	8:10 p. m.	.12	.23	.34												
Springfield, Mo.:																				
June 8-9	11:15 p. m.	4:55 a. m.	3.26	11:45 p. m.	12:45 a. m.	.07	.06	.22	.53	.63	.70	.91	1.03	1.18	1.24	1.30	1.41			
June 9	[2] 11:15 p. m.	4:55 a. m.	3.26	2:19 a. m.	3:07 a. m.	1.67	.05	.10	.15	.20	.33	.39	.76	.98	1.03	1.08				
June 17	[2] 11:27 p. m.	6:31 a. m.	.83	12:24 a. m.	12:39 a. m.	.10	.15	.32	.43											
June 20	12:10 a. m.	12:58 a. m.	.50	12:10 a. m.	12:22 a. m.	0	.22	.37	.40											
June 28	5:35 a. m.	9:35 a. m.	2.95	6:14 a. m.	6:27 a. m.	.02	.20	.72	.93											
Do	5:35 a. m.	9:35 a. m.	2.95	7:27 a. m.	8:56 a. m.	1.21	.13	.16	.24	.28	.36	.44	.49	.58	.71	.82	.97	1.50	1.74	
July 21	12:23 p. m.	2:48 p. m.	.71	12:49 p. m.	1:05 p. m.	.03	.15	.27	.42	.47										
July 22	12:12 p. m.	12:52 p. m.	.37	12:16 p. m.	12:27 p. m.	.05	.32	.77	.81											
Aug. 22	1:11 a. m.	9:56 a. m.	1.86	5:57 a. m.	6:58 a. m.	.38	.07	.12	.28	.51	.55	.55	.55	.69	.84	.94	1.08			
Iola, Kans.:																				
Apr. 4	7:25 p. m.	10:30 p. m.	1.16	8:13 p. m.	8:43 p. m.	.09	.14	.33	.54	.72	.84	.90								
May 16	8:15 p. m.	11:00 p. m.	.98	8:25 p. m.	9:18 p. m.	.02	.14	.19	.22	.23	.36	.49	.52	.55	.63	.76	.87			
May 31	2:30 a. m.	4:30 a. m.	.70	2:35 a. m.	2:45 a. m.	.01	.27	.40												
Do	8:25 p. m.	[1] 7:20 a. m.	3.06	9:45 p. m.	10:25 p. m.	.22	.23	.41	.68	.86	.90	.92	1.02	1.11						
June 8	9:00 p. m.	[2] D. N. a. m.	3.54	9:22 p. m.	9:42 p. m.	.04	.08	.27	.40	.52										
Do	9:00 p. m.	[1] D. N. a. m.	3.54	11:30 p. m.	12 mdnt.	1.30	.06	.26	.66	.97	1.17	1.23								
June 16	7:40 p. m.	D. N. p. m.	1.66	9:14 p. m.	9:49 p. m.	.16	.42	.82	.98	1.07	1.15	1.23	1.29							
June 28	6:15 p. m.	7:10 p. m.	.49	6:37 p. m.	6:52 p. m.	.03	.14	.31	.41											
June 30	7:15 a. m.	8:20 a. m.	.43	7:26 a. m.	7:36 a. m.	.02	.24	.36												
July 21	4:25 p. m.	6:10 p. m.	1.08	4:45 p. m.	5:22 p. m.	.06	.13	.26	.28	.28	.52	.84	.96	.99						
Oct. 4	4:20 p. m.	5:05 p. m.	.71	4:48 p. m.	5:01 p. m.	.02	.12	.48	.69											
Oct. 6	2:20 p. m.	3:20 p. m.	1.51	2:33 p. m.	3:06 p. m.	.01	.09	.27	.49	.90	1.22	1.40	1.43							
Oct. 15	10:00 p. m.	[2] D. N. a. m.	.82	11:20 p. m.	11:38 p. m.	.09	.10	.20	.37	.42										
Nov. 15	7:00 p. m.	11:10 p. m.	1.88	8:43 p. m.	9:48 p. m.	.23	.20	.32	.34	.36	.38	.40	.47	.61	.72	.91	1.11	1.33		
Nov. 16	2:20 p. m.	[1] 3:00 a. m.	4.78	5:40 p. m.	6:30 p. m.	.84	.11	.18	.28	.38	.43	.55	.60	.67	.71	.73				
				6:30 p. m.	7:20 p. m.		.76	.83	.88	.96	1.04	1.17	1.25	1.34	1.42	1.49				
				7:20 p. m.	8:00 p. m.		1.57	1.70	1.78	1.88	1.94	2.12	2.19	2.34						
Topeka, Kans.:																				
Apr. 5	1:30 a. m.	[1] 6:35 a. m.	1.81	3:30 a. m.	3:55 a. m.	.42	.10	.23	.31	.39	.52									
June 1	1:10 a. m.	4:52 a. m.	.49	2:27 a. m.	2:43 a. m.	.03	.09	.20	.43	.45										
July 11	12:06 a. m.	8:45 a. m.	.64	12:19 a. m.	12:31 a. m.	.01	.20	.38	.41											
Aug. 3	1:41 p. m.	3:08 p. m.	.84	2:36 p. m.	3:02 p. m.	.04	.10	.34	.56	.58	.74	.80								
Do	8:05 p. m.	9:29 p. m.	.43	8:07 p. m.	8:18 p. m.	.01	.17	.32	.35											
Aug. 16	7:10 a. m.	8:45 a. m.	1.02	8:01 a. m.	8:28 a. m.	.18	.13	.32	.47	.65	.76	.83								
Aug. 20	3:45 p. m.	4:05 p. m.	.49	3:48 p. m.	3:56 p. m.	.01	.28	.46												
Sept. 12	[2] 10:00 p. m.	D. N. a. m.	1.40	2:08 a. m.	2:17 a. m.	.48	.33	.46												
Nov. 16	3:20 a. m.	[1] 8:30 a. m.	4.14	3:55 a. m.	4:46 a. m.	.07	.10	.34	.37	.40	.41	.43	.45	.54	.64	.84	.89			
Lincoln, Nebr.:																				
May 18	12:30 a. m.	4:00 a. m.	1.17	1:43 a. m.	2:13 a. m.	.08	.07	.45	.68	.86	.95	1.00								
June 22	12:02 a. m.	4:10 a. m.	1.38	12:09 a. m.	12:37 a. m.	.03	.12	.45	.58	.68	.77	.82								
July 18	1:58 a. m.	6:50 a. m.	1.08	2:01 a. m.	2:12 a. m.	.01	.26	.57	.60											
July 20	3:27 a. m.	7:10 a. m.	1.16	3:29 a. m.	3:53 a. m.	.01	.45	.74	.81	.96	1.05									
July 30	11:10 p. m.	[1] 12:30 a. m.	.67	11:24 p. m.	11:50 p. m.	.04	.22	.31	.35	.42	.60	.62								
Aug. 16	8:04 p. m.	11:50 p. m.	1.42	3:11 p. m.	3:42 p. m.	.01	.12	.29	.51	.73	.82	.91	.96							
Aug. 26	7:55 a. m.	8:28 a. m.	.55	8:00 a. m.	8:13 a. m.	.01	.29	.47	.53											
Sept. 11	8:15 p. m.	9:30 p. m.	.73	8:41 p. m.	9:05 p. m.	.01	.16	.30	.52	.66	.71									
Oct. 15	9:55 p. m.	[1] 1:45 a. m.	1.15	10:41 p. m.	11:13 p. m.	.09	.16	.28	.34	.51	.64	.71	.76							
Omaha, Nebr.:																				
June 16	6:36 p. m.	9:25 p. m.	2.12	6:55 p. m.	7:55 p. m.	.02	.26	.61	.85	1.21	1.52	1.63	1.66	1.70	1.75	1.81	2.01			
June 22	D. N. a. m.	4:55 a. m.	1.14	12:45 a. m.	1:05 a. m.	.01	.24	.47	.62	.72										
July 4	D. N. a. m.	D. N. a. m.	.43	1:47 a. m.	2:00 a. m.	.01	.19	.32	.38											
July 7	4:10 p. m.	D. N. p. m.	1.08	6:06 p. m.	6:21 p. m.	.15	.18	.48	.73											
July 19-20	11:27 p. m.	1:15 a. m.	1.97	11:30 p. m.	12:56 a. m.	.02	.44	.56	.57	.67	.85	.96	1.12	1.22	1.23	1.25	1.63	1.74	1.94	

[1] On following date. [2] On previous date. [4] From defective record.

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

Station and date	Total duration		Total amount of precipitation	Excessive rate		Amount before excessive rate began	Depths of precipitation (in inches) during periods of time indicated													
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
MISSOURI VALLEY—continued.																				
Omaha, Nebr.—Continued.																				
July 20	2:05 a. m.	7:55 a. m.	1.70	2:16 a. m.	2:24 a. m.	0.05	0.24	0.36												
Do	2:05 a. m.	7:55 a. m.	1.70	3:41 a. m.	4:03 a. m.	.47	.18	.39	0.52	0.60	0.63									
Do	2:05 a. m.	7:55 a. m.	1.70	6:22 a. m.	6:44 a. m.	1.21	.21	.26	.35	.44	.48									
Aug. 26 [4]	3:15 p. m.	5:50 p. m.	.77	4:27 p. m.	4:37 p. m.	.32	.18	.37												
Sept. 11	8:00 p. m.	10:08 p. m.	1.60	8:35 p. m.	9:17 p. m.	.13	.05	.32	.54	.58	.85	1.08	1.18	1.33	1.41					
Valentine, Nebr.:																				
July 14	1:35 p. m.	2:25 p. m.	.46	1:40 p. m.	1:56 p. m.	.01	.18	.30	.41	.43										
July 20	6:17 p. m.	7:25 p. m.	.53	6:59 p. m.	7:06 p. m.	.15	.29	.37												
Aug. 16	[2] 11:48 p. m.	2:10 a. m.	1.23	12:02 a. m.	12:40 a. m.	.02	.08	.22	.44	.63	.76	.95	1.11	1.18						
Sioux City, Iowa:																				
May 2	6:33 p. m.	7:42 p. m.	.47	7:14 p. m.	7:22 p. m.	.08	.28	.34												
May 17	12:31 p. m.	1:45 p. m.	1.07	12:41 p. m.	1:05 p. m.	.01	.17	.41	.65	.91	1.01									
Do	8:15 p. m.	10:10 p. m.	.57	8:23 p. m.	8:34 p. m.	.01	.17	.38	.42											
June 16	5:32 p. m.	7:28 p. m.	.61	5:37 p. m.	5:55 p. m.	.03	.12	.33	.47	.52										
July 21	12:45 a. m.	4:30 a. m.	3.24	1:04 a. m.	2:04 a. m.	.12	.06	.21	.41	.56	.68	.78	.89	1.31	2.06	2.62	2.94			
Aug. 2	2:30 p. m.	3:31 p. m.	.57	3:02 p. m.	3:17 p. m.	.09	.08	.30	.46											
Aug. 22	9:10 p. m.	[1] D. N. a. m.	.66	9:35 p. m.	9:48 p. m.	.06	.18	.30	.34											
Aug. 26	7:53 p. m.	9:32 p. m.	.96	8:29 p. m.	8:44 p. m.	.20	.15	.58	.66											
Sept. 13	3:48 p. m.	4:50 p. m.	.99	4:09 p. m.	4:38 p. m.	.03	.06	.15	.27	.47	.75	.92								
Oct. 15 [4]	9:34 p. m.	[1] 3:36 a. m.	2.16	9:47 p. m.	10:28 p. m.	.03	.14	.34	.42	.47	.54	.63	.71	.81	.86					
Huron, S. Dak.:																				
June 12	[2] 11:50 p. m.	D. N. a. m.	1.11	1:15 a. m.	1:50 a. m.	.28	.13	.29	.37	.39	.48	.54	.60							
June 27	4:30 p. m.	6:00 p. m.	2.00	5:15 p. m.	5:47 p. m.	.01	.33	.77	1.13	1.44	1.75	1.97	1.99							
July 1	8:30 p. m.	9:20 p. m.	.43	8:57 p. m.	9:12 p. m.	.06	.17	.30	.36											
July 16	8:05 p. m.	D. N. p. m.	.60	10:15 p. m.	10:37 p. m.	.03	.08	.18	.25	.48	.56									
July 19	1:15 a. m.	D. N. a. m.	.64	1:24 a. m.	1:50 a. m.	.03	.19	.31	.36	.43	.53	.56								
Sept. 11	5:45 p. m.	7:35 p. m.	.53	5:48 p. m.	5:54 p. m.	.01	.33	.37												
Sept. 13	3:40 p. m.	6:15 p. m.	.51	5:38 p. m.	5:44 p. m.	.18	.30	.33												
Yankton, S. Dak.:																				
May 17	11:15 a. m.	11:40 a. m.	.43	11:18 a. m.	11:33 a. m.	.01	.24	.35	.42											
July 20	11:00 p. m.	[1] 4:10 a. m.	1.70	11:08 p. m.	11:53 p. m.	.03	.06	.14	.18	.22	.33	.49	.61	.71	.79					
Aug. 22	8:15 p. m.	10:45 p. m.	.65	8:18 p. m.	8:33 p. m.	.01	.14	.28	.36											
Sept. 11	7:15 p. m.	9:15 p. m.	.74	8:17 p. m.	8:45 p. m.	.14	.10	.21	.30	.44	.53	.57								
NORTHERN SLOPE																				
Havre, Mont.[3]																				
Helena, Mont.:																				
June 28	8:07 p. m.	D. N. p. m.	.55	9:14 p. m.	9:29 p. m.	.01	.24	.42	.52											
Kalispell, Mont.[3]																				
Miles City, Mont.:																				
June 6	6:38 p. m.	8:15 p. m.	.35	7:20 p. m.	7:28 p. m.	.01	.28	.34												
July 28	12:06 p. m.	2:15 p. m.	.95	12:45 p. m.	1:09 p. m.	.01	.14	.40	.60	.74	.79									
Rapid City, S. Dak.:																				
June 29	6:36 p. m.	7:38 p. m.	.57	6:50 p. m.	6:59 p. m.	.01	.22	.41												
July 19	1:18 p. m.	2:14 p. m.	.83	1:23 p. m.	1:34 p. m.	.01	.43	.73	.77											
Cheyenne, Wyo.:																				
July 18	12:20 p. m.	1:55 p. m.	.71	12:47 p. m.	1:08 p. m.	.05	.12	.39	.61	.65										
Lander, Wyo.[3]																				
Sheridan, Wyo.:																				
July 17	4:08 p. m.	6:50 p. m.	.85	4:57 p. m.	5:25 p. m.	.16	.11	.18	.29	.38	.49	.53								
Yellowstone Park, Wyo.[3]																				
North Platte, Nebr.:																				
May 31	8:20 p. m.	10:45 p. m.	.55	10:19 p. m.	10:29 p. m.	.11	.11	.35												
June 11	7:32 p. m.	8:57 p. m.	.72	8:20 p. m.	8:36 p. m.	.31	.10	.30	.39	.40										
July 20	8:43 p. m.	[1] 1:35 a. m.	1.88	8:48 p. m.	9:58 p. m.	.02	.06	.19	.27	.35	.47	.56	.64	.73	.79	.88	.94	1.20		
July 28	8:57 a. m.	12:38 p. m.	.84	10:20 a. m.	10:30 a. m.	.07	.15	.34												
MIDDLE SLOPE																				
Denver, Colo.:																				
June 2	11:12 a. m.	11:45 a. m.	.34	11:16 a. m.	11:23 a. m.	.02	.23	.32												
July 28	8:02 p. m.	9:20 p. m.	.57	8:07 p. m.	8:22 p. m.	.01	.18	.37	.49											
Pueblo, Colo.:																				
June 20	2:30 p. m.	3:11 p. m.	.64	2:40 p. m.	3:03 p. m.	.01	.26	.37	.49	.58	.62									
Concordia, Kans.:																				
June 17	10:50 a. m.	12:15 p. m.	.50	11:38 a. m.	11:58 a. m.	.02	.18	.30	.35	.46										
June 23	1:50 p. m.	3:10 p. m.	.65	2:18 p. m.	2:35 p. m.	.02	.23	.40	.44	.50										
July 11	3:00 a. m.	8:15 a. m.	1.06	3:11 a. m.	3:37 a. m.	.01	.11	.32	.50	.62	.69	.73								
July 18	2:40 a. m.	3:45 a. m.	1.69	2:46 a. m.	3:23 a. m.	.02	.11	.26	.72	1.13	1.38	1.52	1.58	1.63						
Aug. 2	7:10 p. m.	[1] 6:05 p. m.	1.93	8:27 p. m.	8:47 p. m.	.06	.07	.22	.41	.51										
Aug. 6	11:35 p. m.	[1] 2:45 a. m.	1.20	11:41 p. m.	11:53 p. m.	.03	.11	.27	.35											
Aug. 7	[2] 11:35 p. m.	2:45 a. m.	1.20	12:58 a. m.	1:15 a. m.	.50	.10	.33	.43	.49										
Aug. 16	6:37 p. m.	7:35 p. m.	.65	6:40 p. m.	7:14 p. m.	.01	.13	.18	.23	.25	.45	.55	.62							
Do	10:18 p. m.	11:45 p. m.	.51	10:38 p. m.	10:51 p. m.	.04	.19	.36	.43											
Sept. 6	8:45 p. m.	10:45 p. m.	.56	8:55 p. m.	9:12 p. m.	.01	.11	.29	.50	.53										
Dodge City, Kans.:																				
July 7	10:39 p. m.	[1] D. N. a. m.	.87	10:41 p. m.	11:12 p. m.	.01	.08	.22	.29	.40	.50	.56	.59							
Aug. 2 [4]	4:58 p. m.	[1] D. N. a. m.	1.60	5:06 p. m.	5:22 p. m.	.01	.22	.45	.58	.61										

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

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

Station and date	Total duration		Total amount of precipitation	Excessive rate		Amount before excessive rate began	Depths of precipitation (in inches) during periods of time indicated												
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
MIDDLE SLOPE—con.																				
Wichita, Kans.:																				
Apr. 5	[2] 10:00 p. m.	D. N. a. m.	1.75	12:20 a. m.	1:41 a. m.	0.11	0.11	0.25	0.26	0.27	0.28	0.32	0.43	0.57	0.76	0.96	1.21	1.60	1.64	
May 3	4:55 p. m.	7:35 p. m.	.69	6:06 p. m	6:26 p. m.	.14	.18	.30	.38	.47										
May 16	4:51 p. m.	7:30 p. m.	.56	5:38 p. m.	5:58 p. m.	.04	.13	.23	.39	.46										
May 18	7:55 p. m.	8:30 p. m.	.46	8:08 p. m.	8:16 p. m.	.04	.20	.39												
June 1	1:22 a. m.	8:58 a. m.	1.93	3:53 a. m.	5:02 a. m.	.01	.21	.25	.33	.42	.71	.96	1.12	1.16	1.24	1.31	1.44	1.63		
June 12	11:50 a. m.	12:48 p. m.	.56	12:22 p. m.	12:37 p. m.	.06	.19	.37	.50											
June 16	2:15 a. m.	D. N. a. m.	1.40	3:12 a. m.	3:42 a. m.	.19	.05	.14	.29	.43	.51	.56								
Do	2:15 a. m.	D. N. a. m.	1.40	4:45 a. m.	5:05 a. m.	.90	.15	.27	.36	.43										
Do	7:28 a. m.	9:04 a. m.	1.15	7:36 a. m.	8:08 a. m.	.01	.26	.52	.71	.84	.87	.98	1.02							
Do	8:25 p. m.	D. N. p. m.	1.61	8:35 p. m.	9:09 p. m.	.03	.07	.22	.30	.41	.52	.64	.69							
Do	8:25 p. m.	D. N. p. m.	1.61	10:25 p. m.	10:42 p. m.	1.16	.12	.31	.40	.42										
June 22	3:10 a. m.	7:58 a. m.	.79	3:15 a. m.	3:45 a. m.	.01	.09	.30	.38	.51	.58	.68								
July 8	2:00 a. m.	5:00 a. m.	1.58	2:03 a. m.	2:28 a. m.	.01	.20	.45	.73	.89	1.00									
July 18	4:25 p. m.	D. N. p. m.	.57	4:46 p. m.	5:00 p. m.	.01	.24	.37	.43											
July 24	7:23 p. m.	8:20 p. m.	.66	7:23 p. m.	7:46 p. m.	0	.30	.42	.45	.54	.58									
Nov. 16	[2] 7:43 p. m.	[1] 8:15 a. m.	4.32	9:11 a. m.	10:06 a. m.	1.38	.18	.30	.33	.35	.36	.39	.43	.51	.59	.65	.85			
Broken Arrow, Okla.:																				
Apr. 5	D. N. a. m.	7:05 p. m.	1.40	3:49 a. m.	4:10 a. m.	.03	.07	.32	.49	.71	.76									
Apr. 20	9:15 a. m.	D. N. p. m.	2.46	5:35 p. m.	6:00 p. m.	1.56	.13	.20	.31	.40	.48									
May 16	8:49 p. m.	[1] D. N. a. m.	1.01	10:48 p. m.	11:05 p. m.	.09	.24	.61	.81	.85										
June 1	5:25 a. m.	9:54 a. m.	1.16	6:44 a. m.	7:14 a. m.	.05	.16	.32	.45	.50	.59	.65								
June 20	6:26 p. m.	D. N. p. m.	.63	7:14 p. m.	7:32 p. m.	.06	.18	.32	.40	.47										
June 28	6:25 a. m.	8:08 a. m.	.61	6:41 a. m.	6:56 a. m.	.06	.16	.33	.43											
July 11	6:30 a. m.	9:31 a. m.	.73	7:00 a. m.	7:20 a. m.	.06	.10	.21	.34	.40										
July 16	4:03 a. m.	7:15 a. m.	.68	4:06 a. m.	4:16 a. m.	.01	.36	.45												
Aug. 4	[2] 10:30 p. m.	1:20 p. m.	6.99	12:56 a. m.	1:38 a. m.	.57	.17	.29	.45	.70	.95	1.31	1.49	1.59	1.67					
Do	[2] 10:30 p. m.	1:20 p. m.	6.99	2:59 a. m.	4:40 a. m.	2.65	.20	.34	.50	.63	.82	.96	1.08	1.17	1.38	1.66	2.18	2.86	3.10	3.23
Aug. 17	4:15 p. m.	6:50 p. m.	.55	4:22 p. m.	4:39 p. m.	.01	.09	.18	.34	.46										
Aug. 23	4:40 p. m.	D. N. p. m.	1.55	7:49 p. m.	7:56 p. m.	.25	.40	.43												
Sept. 10	7:56 a. m.	10:47 a. m.	.84	8:55 a. m.	9:32 a. m.	.06	.09	.22	.25	.33	.35	.49	.64	.70						
Oct. 4	6:31 p. m.	7:15 p. m.	.38	6:57 p. m.	7:06 p. m.	.07	.13	.30												
Oct. 6	8:04 p. m.	9:32 p. m.	1.69	8:04 p. m.	8:39 p. m.	0	.12	.40	.82	1.17	1.36	1.46	1.54							
Oct. 15	10:29 p. m.	[1] D. N. a. m.	.72	10:38 p. m.	10:47 p. m.	.01	.41	.52												
Nov. 16	7:10 p. m.	[1] D. N. a. m.	.68	8:06 p. m.	8:18 p. m.	.06	.11	.31	.38											
Oklahoma City, Okla.:																				
Apr. 20	D. N. a. m.	8:30 p. m.	1.02	3:22 p. m.	3:36 p. m.	.21	.23	.37	.43											
May 16	7:30 p. m.	D. N. p. m.	.41	8:28 p. m.	8:35 p. m.	.01	.25	.30												
May 17	12:30 p. m.	3:10 p. m.	.74	2:26 p. m.	2:38 p. m.	.27	.17	.37	.44											
June 27	D. N. a. m.	9:08 a. m.	1.65	7:59 a. m.	8:49 a. m.	.26	.10	.24	.44	.59	.91	1.07	1.10	1.12	1.26	1.38				
July 11	6:48 p. m.	7:37 p. m.	.54	6:52 p. m.	7:16 p. m.	.01	.17	.31	.38	.44	.51									
Aug. 30	D. N. a. m.	8:45 a. m.	1.22	1:29 a. m.	1:51 a. m.	.01	.16	.23	.42	.62	.65									
Nov. 16	9:51 a. m.	[1] D. N. a. m.	2.98	5:23 p. m.	5:50 p. m.	1.28	.13	.34	.54	.89	1.00	1.05								
SOUTHERN SLOPE																				
Abilene, Tex.:																				
May 11	2:00 p. m.	6:25 p. m.	4.56	4:08 p. m.	5:56 p. m.	.71	.18	.48	.61	.92	1.11	1.26	1.30	1.39	1.56	1.77	2.28	2.62	3.50	3.84
Do	7:40 p. m.	9:10 p. m.	1.72	7:43 p. m.	8:21 p. m.	.01	.14	.25	.42	.80	.99	1.40	1.63	1.69						
May 15	9:00 p. m.	9:35 p. m.	.43	9:08 p. m.	9:16 p. m.	.01	.22	.39												
May 18	D. N. p. m.	[1] D. N. a. m.	1.65	10:38 p. m.	11:50 p. m.	.01	.07	.21	.28	.34	.48	.55	.61	.68	.76	.80	1.11	1.55		
June 1	6:20 p. m.	8:00 p. m.	.64	6:24 p. m.	6:45 p. m.	.01	.16	.34	.47	.55	.59									
July 26	[2] D. N. p. m.	12:35 p. m.	1.29	6:35 a. m.	6:48 a. m.	.34	.14	.37	.51											
Aug. 3	9:06 p. m.	D. N. p. m.	2.13	9:06 p. m.	10:01 p. m.	0	.15	.41	.55	.76	.80	.82	1.07	1.36	1.55	1.83	2.03			
Aug. 23	4:35 p. m.	5:50 p. m.	1.02	4:38 p. m.	5:00 p. m.	.01	.09	.50	.82	.90	.93									
Amarillo, Tex.:																				
May 16	10:35 a. m.	2:40 p. m.	1.03	1:23 p. m.	1:38 p. m.	.37	.26	.31	.42											
June 26	4:28 a. m.	5:45 a. m.	1.60	4:32 a. m.	5:12 a. m.	.01	.15	.40	.63	.98	1.20	1.36	1.45	1.51						
July 21	3:15 p. m.	9:20 p. m.	1.21	3:34 p. m.	4:15 p. m.	.01	.16	.36	.42	.54	.63	.78	.94	1.02	1.04					
July 22	D. N. a. m.	D. N. a. m.	1.07	1:07 a. m.	1:21 a. m.	.01	.18	.37	.44											
July 26	7:02 a. m.	8:10 a. m.	.61	7:10 a. m.	7:40 a. m.	.02	.24	.31	.42	.44	.50	.58								
Aug. 13	D. N. a. m.	12:20 p. m.	4.01	4:14 a. m.	5:04 a. m.	.03	.06	.10	.29	.42	.50	.68	.76	.94	1.06	1.14				
				5:04 a. m.	5:54 a. m.	------	1.28	1.38	1.48	1.60	1.77	1.84	1.94	1.98	2.08	2.16				
				5:54 a. m.	6:44 a. m.	------	2.22	2.26	2.28	2.28	2.50	2.82	3.03	3.10	3.18	3.25				
				6:44 a. m.	6:56 a. m.	------	3.42	3.54	3.57											
Aug. 17	D. N. a. m.	D. N. a. m.	.58	12:56 a. m.	1:16 a. m.	.04	.07	.15	.26	.41										
Sept. 2	D. N. a. m.	D. N. a. m.	.78	12:15 a. m.	12:38 a. m.	.01	.19	.23	.34	.60	.72									
Del Rio, Tex.:																				
Mar. 9	7:02 p. m.	8:15 p. m.	.31	7:02 p. m.	7:11 p. m.	0	.18	.30												
May 4	9:18 a. m.	11:05 a. m.	.95	9:22 a. m.	9:44 a. m.	.01	.19	.37	.45	.58	.61									
May 12	D. N. p. m.	[1] D. N. a. m.	1.78	10:54 p. m.	11:54 p. m.	.17	.05	.12	.19	.24	.30	.45	.57	.66	.75	.81	.93			
July 28	D. N. a. m.	10:40 a. m.	1.08	1:18 a. m.	1:36 a. m.	.05	.11	.33	.48	.55										
Aug. 8	[2] 9:25 p. m.	D. N. a. m.	1.32	1:41 a. m.	1:56 a. m.	.19	.06	.36	.55											
Oct. 16	D. N. a. m.	D. N. a. m.	.52	2:55 a. m.	3:04 a. m.	.15	.15	.35												
Roswell, N. Mex.:																				
June 1	3:35 p. m.	4:17 p. m.	1.31	3:35 p. m.	4:05 p. m.	0	.15	.36	.60	.92	1.20	1.29								
Aug. 4	3:05 a. m.	5:20 a. m.	.71	3:18 a. m.	3:32 a. m.	.03	.19	.42	.52											
Aug. 13	1:18 p. m.	3:42 p. m.	1.09	2:04 p. m.	2:42 p. m.	.02	.17	.28	.51	.76	.89	.94	.98	1.04						
Oct. 13 [4]	11:21 p. m.	11:47 p. m.	.49	11:30 p. m.	11:38 p. m.	.03	.24	.46												
Oct. 14 [4]	12:08 a. m.	12:52 a. m.	.88	12:12 a. m.	12:44 a. m.	.01	.23	.43	.60	.68	.72	.74	.85							

[1] On following date. [2] On previous date. [4] From defective record.

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

Station and date	Total duration		Total amount of precipitation	Excessive rate		Amount before excessive rate began	Depths of precipitation (in inches) during periods of time indicated													
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
PLATEAU: [6]																				
El Paso, Tex.:																				
Aug. 2	10:30 a. m.	1:45 p. m.	0.83	11:36 a. m.	11:45 a. m.	0.06	0.21	0.32												
Phoenix, Ariz.:																				
Aug. 26	5:14 p. m.	6:40 p. m.	.36	6:07 p. m.	6:15 p. m.	.01	.23	.33												
Oct. 30	9:31 p. m.	[1] D. N. a. m.	1.06	11:32 p. m.	11:55 p. m.	.03	.20	.36	0.54	0.76	0.84									
PACIFIC COAST REGION [6]																				
San Diego, Calif.:																				
Feb. 4	8:40 a. m.	11:20 a. m.	.48	10:24 a. m.	10:36 a. m.	.06	.18	.31	.35											
ALASKA																				
Juneau, Alaska.[6]																				
ISLAND POSSESSIONS																				
San Juan, P. R.: [5] [9]																				
May 6-7	10:05 p. m.	4:15 p. m.	4.17	11:56 p. m.	1:21 a. m.	.04	.09	.24	.42	.71	1.05	1.24	1.43	1.52	1.72	1.83	1.98	2.52	2.64	
July 10	10:30 a. m.	12:35 p. m.	1.91	10:40 a. m.	11:43 a. m.	.02	.07	.17	.34	.37	.40	.46	.58	.78	1.09	1.38	1.61	1.70		
Aug. 3	D. N. a. m.	D. N. a. m.	3.61	1:57 a. m.	3:11 a. m.	.19	.07	.23	.39	.66	.83	1.09	1.30	1.64	2.04	2.46	3.18	3.39		
Nov. 12	[2] 9:30 p. m.	D. N. a. m.	1.80	12:54 a. m.	1:43 a. m.	.54	.05	.12	.24	.38	.53	.65	.75	.86	.96	1.04				
Honolulu, Hawaii:																				
Dec. 30	12:40 p. m.	1:32 p. m.	.53	12:44 p. m.	1:01 p. m.	.01	.23	.38	.48	.53										

[1] On following date.
[2] On previous date.
[3] No excessive precipitation.
[4] Only storms attaining 1 inch or more in 1 hour or less.
[5] At stations with self-registering gauges which are not named, no excessive precipitation occurred this year.
[6] Record not secured Sept. 13-14.

Blank page retained for pagination

PART III

MONTHLY AND ANNUAL METEOROLOGICAL SUMMARIES FOR TWO HUNDRED AND THREE STATIONS DURING 1928

EXPLANATION OF THE TABLES

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

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

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

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

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

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

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

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

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 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., 8 p. m., and noon, respectively.

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

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

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

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

The snow caught and retained in the gauge is melted and measured as water. No correction is applied for the snow that is lost out of the gauge by the eddying action of the wind; consequently in some cases the record is less than would be given if the observer had measured cylinders of snow cut from the spots representing the average snowfall on the ground. When it is known that the catch of the snow gauge is markedly deficient, an independent ground measurement is made and used as the official record. The loss of both rain and snow, caused by high winds, from gauges located on the roofs of tall buildings in which some of the regular stations of the Weather Bureau are located is undoubtedly larger than is the case at the cooperative stations, where the

gauges are located in the open country and near the ground, but this loss does not appear to be sufficient to make the monthly and annual sums derived from these two classes of stations wholly inconsistent with each other.

By the maximum precipitation in 24 hours is meant the greatest measurement for any 24 consecutive hours; it does not refer to the rate of rainfall for 24 hours, as deduced from short, heavy showers.

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

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

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

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

The maximum velocities given are for 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 has 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.

No record is made of deposits of dew.

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

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

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, 1928

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	28.355	28.850	27.930	36.8	53.6	50.5	58.2	33.8	46.0	82	9	25	25	26	64	38	42	0.150	0.154	0.157	0.95	0.95	4.3	5.0	3.6	4.8
February	28.290	28.650	27.801	39.9	55.1	53.4	60.4	37.7	49.0	77	24	32	33	32	73	46	46	.195	.207	.195	.78	.29	5.3	4.6	5.7	5.3
March	28.148	28.550	27.569	48.3	66.2	65.2	72.0	46.1	59.0	96	24	34	33	31	62	35	36	.213	.205	.194	.43	.27	5.4	4.9	4.2	5.2
April	28.073	28.450	27.640	52.8	71.4	69.6	76.8	49.7	63.2	99	30	41	33	35	65	28	34	.275	.202	.228	.93	.51	5.4	5.6	5.0	5.5
May	28.127	28.560	27.830	64.0	80.6	79.0	84.8	60.0	72.4	100	44	54	52	50	73	42	42	.436	.418	.392	12.03	6.56	5.0	3.8	5.3	4.8
June	27.983	28.248	27.642	72.8	87.8	87.0	92.6	70.0	81.3	105	51	64	61	59	75	43	41	.610	.555	.509	2.52	.82	3.7	2.8	3.2	3.2
July	28.168	28.330	27.960	75.7	89.8	88.5	94.3	73.8	84.0	103	65	66	63	60	74	44	43	.650	.585	.528	3.05	1.98	4.7	5.2	5.0	5.0
August	28.191	28.350	28.032	72.5	87.4	85.1	90.9	70.7	80.8	97	60	66	66	65	81	50	53	.643	.634	.617	5.61	2.74	4.2	3.4	3.9	3.8
September	28.217	28.400	28.025	64.7	82.8	78.6	86.1	63.6	74.8	96	49	57	56	55	77	43	48	.482	.470	.455	.54	.47	5.1	3.9	4.2	4.1
October	28.214	28.550	27.890	59.4	77.5	72.9	81.5	57.8	69.6	96	42	51	51	50	75	44	48	.408	.412	.393	1.52	.75	4.2	3.7	2.7	3.5
November	28.334	28.740	27.978	45.2	58.6	53.4	61.7	42.3	52.0	77	26	40	38	40	82	49	61	.236	.244	.258	.49	.27	5.4	6.2	5.1	5.7
December	28.325	28.690	27.070	38.0	53.8	48.3	57.5	34.5	46.0	78	22	31	29	30	76	42	52	.186	.170	.174	.83	.46	4.1	4.5	3.4	4.5
Year	28.202	28.850	27.569	55.8	72.0	69.3	76.4	53.3	64.8	105	9	47	45	44	73	42	46	.376	.355	.342	29.68	6.56	4.7	4.5	4.3	4.6

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	29.862	30.533	29.650	26.1	30.5	28.4	35.6	22.0	28.8	51	−1	20	20	20	77	64	71	0.114	0.115	0.117	1.78	0.85	6.9	5.9	5.0	6.2
February	29.963	30.676	29.250	22.5	28.9	28.4	34.7	18.5	26.6	51	−3	17	21	22	78	72	74	.102	.121	.126	2.55	.85	5.1	5.4	5.1	5.2
March	29.779	30.372	29.033	30.1	36.1	34.9	40.9	26.3	33.6	68	9	22	26	26	72	65	67	.128	.143	.142	2.26	.39	5.5	4.7	4.2	5.0
April	29.837	30.320	29.220	39.9	48.8	46.8	53.9	35.8	44.8	82	24	31	30	32	70	49	57	.178	.177	.191	3.29	.78	5.9	5.0	4.5	5.3
May	29.811	30.340	29.410	53.9	63.0	60.7	67.5	48.4	55.0	84	39	45	45	51	72	55	73	.305	.310	.387	2.50	.61	5.1	4.8	5.2	5.2
June	29.780	30.080	29.410	62.2	69.3	67.4	74.1	57.3	65.7	85	46	56	55	58	81	64	75	.460	.452	.500	8.22	1.37	5.6	6.0	5.4	5.5
July	29.837	30.160	29.550	70.2	78.7	75.4	83.0	65.4	74.2	95	53	63	63	66	77	61	74	.578	.590	.646	3.99	1.48	3.7	4.5	3.8	4.2
August	29.915	30.224	29.550	69.2	78.3	73.7	81.4	64.5	73.0	92	54	65	65	67	86	65	80	.619	.620	.666	4.12	1.03	4.9	4.7	4.5	4.8
September	29.941	30.270	29.600	55.8	66.0	61.0	69.9	52.1	61.0	88	38	50	52	52	82	61	71	.382	.404	.399	2.47	1.40	4.9	4.1	4.1	4.3
October	29.992	30.450	29.520	49.2	59.1	54.3	63.5	44.8	54.2	85	25	43	44	45	81	58	71	.304	.313	.330	.38	.14	3.3	3.5	3.3	3.6
November	29.893	30.361	29.280	38.4	45.4	43.2	49.6	35.7	42.6	73	19	32	34	34	78	67	70	.189	.211	.205	1.59	.53	6.7	5.5	4.0	6.0
December	29.999	30.400	29.040	30.9	37.0	34.5	40.8	27.7	34.2	56	14	25	27	27	78	67	73	.137	.152	.151	.40	.21	5.8	4.9	4.5	5.7
Year	29.884	30.676	29.033	45.7	53.4	50.7	57.9	41.5	49.7	95	−3	39	40	42	78	62	71	.291	.301	.322	33.55	1.48	5.3	4.9	4.5	5.1

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	29.227	29.933	28.091	20.3	25.8	23.3	28.7	15.1	21.9	47	−2	17	19	19	84	72	81	0.101	0.109	0.109	1.54	0.60	7.8	7.1	5.2	7.0
February	29.341	29.952	28.820	16.0	24.0	20.6	27.5	8.8	18.2	39	−15	13	17	15	87	72	78	.086	.098	.093	1.52	.55	6.8	6.5	4.7	6.1
March	29.229	29.770	28.611	22.4	29.8	26.5	33.9	17.0	25.4	57	−2	18	20	20	83	66	74	.108	.114	.109	2.12	.88	5.7	5.4	5.3	4.9
April	29.221	29.620	28.530	34.9	40.1	36.5	44.4	28.0	36.2	69	16	29	29	28	79	65	71	.165	.169	.159	3.69	1.01	5.3	5.6	5.7	5.3
May	29.294	29.832	28.930	48.2	55.2	50.9	60.0	40.7	50.4	86	32	38	40	40	71	59	67	.236	.254	.250	1.31	.65	4.7	5.3	4.7	5.0
June	29.180	29.614	28.770	56.7	62.0	59.7	66.6	48.4	57.5	82	36	48	49	49	75	64	69	.351	.360	.353	2.85	1.64	5.7	5.7	5.9	5.7
July	29.292	29.660	29.050	64.9	72.8	68.7	75.8	57.7	66.8	95	46	58	58	58	79	63	71	.487	.492	.497	1.65	.58	5.5	6.0	4.8	5.3
August	29.358	29.670	28.780	63.5	70.9	66.9	73.5	55.8	64.6	84	41	58	58	59	83	66	77	.496	.506	.511	3.96	1.72	4.1	4.3	3.9	4.3
September	29.338	29.730	28.940	50.5	59.0	54.1	62.3	44.3	53.3	82	31	46	49	48	86	70	82	.329	.360	.355	3.71	1.43	5.2	7.1	5.2	6.1
October	29.354	29.780	28.890	47.1	53.7	49.3	57.3	40.8	49.0	87	27	42	42	43	83	67	80	.283	.289	.295	3.18	.83	6.8	7.1	4.7	6.8
November	29.314	29.764	28.750	35.0	39.5	37.5	41.8	30.9	36.4	60	19	30	30	30	83	70	76	.172	.170	.172	3.06	1.22	8.4	7.7	7.2	8.2
December	29.361	29.810	28.732	26.7	32.3	30.0	34.3	24.0	29.2	48	5	24	24	25	87	70	80	.131	.133	.138	.94	.60	7.4	7.2	7.3	7.5
Year	29.292	29.952	28.091	40.5	47.1	43.7	50.5	34.3	42.4	95	−15	35	36	36	82	67	76	.245	.254	.253	29.53	1.72	6.1	6.2	5.4	6.0

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	26.375	26.770	25.904	29.6	49.3	45.5	55.0	27.7	41.4	78	−1	18	24	22	61	38	41	0.101	0.129	0.119	T.	T.	2.4	2.3	1.5	2.5
February	26.311	26.640	25.810	30.3	45.9	44.2	50.8	28.0	39.4	74	14	25	28	26	78	52	52	.134	.157	.145	1.11	0.40	4.2	4.0	4.7	4.3
March	26.224	26.580	25.690	38.5	57.5	57.0	63.1	36.8	50.0	83	21	28	31	30	66	40	41	.154	.175	.169	.86	.69	5.1	4.0	4.0	4.0
April	26.152	26.500	25.650	41.6	63.4	63.3	69.4	39.5	54.4	90	25	28	31	28	63	38	34	.159	.179	.159	.77	.38	4.1	5.5	4.6	4.1
May	26.262	26.651	25.961	55.8	72.8	72.1	77.6	53.4	65.5	94	40	46	48	48	74	48	49	.325	.342	.349	6.48	1.88	5.1	4.2	4.9	3.9
June	26.118	26.400	25.783	61.2	78.8	82.0	84.8	59.4	72.1	99	46	54	54	51	78	46	39	.420	.434	.395	3.45	2.10	4.6	3.3	2.4	3.5
July	26.292	26.490	26.060	67.4	84.7	84.7	89.9	65.5	77.7	101	59	58	56	58	73	43	46	.480	.466	.494	5.39	3.14	4.4	4.3	5.1	3.8
August	26.326	26.510	26.120	65.1	81.6	80.3	85.3	63.8	74.6	92	49	60	59	60	83	48	49	.515	.507	.514	6.15	4.16	4.9	4.8	5.5	4.1
September	26.335	26.580	26.060	57.5	80.0	77.8	84.0	56.8	70.4	94	48	48	49	47	73	35	35	.350	.354	.334	1.31	.90	2.7	1.3	2.5	1.8
October	26.209	26.630	25.960	51.7	69.6	65.0	73.3	50.2	61.8	90	33	45	43	43	79	44	49	.312	.299	.285	2.77	1.06	4.3	4.1	4.3	4.8
November	26.351	26.790	25.970	36.6	49.9	45.8	54.0	34.4	44.2	69	20	32	36	36	83	60	70	.184	.215	.221	3.54	2.36	4.0	3.7	3.6	3.8
December	26.342	26.740	25.950	31.1	45.7	41.8	50.0	29.2	39.6	70	19	25	30	28	76	56	60	.134	.169	.160	.51	.29	2.7	3.5	3.1	3.5
Year	26.282	26.790	25.650	47.2	64.9	63.3	69.8	45.4	57.6	101	−1	39	41	40	74	46	47	.272	.286	.279	32.34	4.16	4.0	3.8	3.8	3.7

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

ABILENE, TEX.

[H_b=1,738 ft.; h_1=10 ft.; h_r=3 ft.; h_a=52 ft.]

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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: Thunderstorms	Aurora
	Miles		*Mi.*																									
January	7.7	S.	25	S.	0	10	6	5	3	25	3	6	4	0	10	12	9	2	1	0	0	0	0	1	0	13	1	0
February	8.5	S.	28	S.	0	9	6	3	5	20	3	4	7	1	11	8	10	4	4	1	1	0	0	0	0	9	0	0
March	9.7	S.	29	SW.	0	11	4	4	8	17	4	7	7	0	9	13	9	3	2	2	0	0	0	0	2	3	3	0
April	12.5	S.	34	W.	1	9	7	3	3	25	3	6	4	0	9	12	9	4	4	3	3	1	0	0	6	1	1	0
May	8.5	S.	30	SW.	0	8	10	3	10	17	4	2	8	0	13	11	7	12	11	0	0	2	0	0	8	0	11	0
June	11.8	S.	33	S.	1	2	6	3	8	33	4	1	3	0	18	10	2	9	7	0	0	0	0	0	21	0	10	0
July	8.4	S.	27	S.	0	5	4	3	14	34	1	0	1	0	11	10	10	9	7	0	0	0	0	0	24	0	10	1
August	6.4	S.	28	W.	0	3	7	7	15	22	5	1	2	0	17	8	6	7	7	0	0	0	0	0	23	0	5	0
September	6.6	S.	23	S.	0	5	4	5	13	23	1	5	4	0	16	7	7	2	2	0	0	0	0	0	12	0	0	0
October	8.8	S.	28	W.	0	5	0	2	14	31	2	3	4	1	19	7	5	3	3	0	0	0	0	0	5	0	1	0
November	7.8	S.	28	S.	0	9	4	2	6	26	2	7	3	1	11	6	13	7	3	0	0	0	1	0	0	2	1	0
December	8.0	S.	25	S.	0	12	2	1	9	16	6	7	8	1	16	4	11	5	4	0	0	0	0	0	0	14	1	0
Year	8.7	S.	34	W.	2	88	60	41	108	289	38	49	55	4	160	108	98	67	55	6	4	3	1	1	101	42	44	1

ALBANY, N. Y.

[H_b=97 ft.; h_1=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	Thunderstorms	Aurora
January	6.7	S.	26	S.	0	8	4	1	0	19	15	4	11	0	9	8	14	10	9	11	6	0	1	13	0	22	1	0
February	7.1	S.	23	S.	0	9	5	3	2	15	8	4	12	0	11	6	12	11	9	15	5	0	0	12	0	27	0	0
March	7.2	NW.	36	S.	1	7	4	2	0	14	14	7	14	0	11	13	7	8	6	13	6	0	1	4	0	26	0	0
April	7.4	SW.	29	S.	0	3	4	2	1	17	9	10	14	0	10	11	9	14	11	7	4	0	0	0	0	10	0	0
May	5.9	S.	25	S.	0	9	3	2	0	19	11	4	14	0	10	12	9	11	10	0	0	0	0	0	0	0	4	0
June	5.9	S.	26	S.	0	4	5	3	2	28	7	4	7	0	10	8	12	15	15	0	0	0	0	0	0	0	6	0
July	5.7	SW.	19	S.	0	6	3	2	2	26	10	3	10	0	15	8	8	10	7	0	0	0	1	0	5	0	4	2
August	5.6	S.	23	S.	0	5	8	2	0	22	20	1	3	1	13	10	8	14	14	0	0	0	0	0	5	0	6	0
September	6.3	SW.	32	S.	0	8	3	3	3	18	13	6	6	0	13	12	5	9	5	0	0	1	1	0	0	0	1	0
October	6.4	SW.	26	S.	0	3	1	2	0	23	13	7	13	0	18	7	6	8	4	3	0	0	3	0	0	4	0	0
November	5.7	NW.	22	W.	0	8	11	2	0	12	15	4	8	0	9	8	13	12	7	11	4	0	0	1	0	13	0	0
December	5.7	SW.	26	S.	0	9	8	3	0	15	17	4	6	0	9	11	11	6	4	8	0	0	0	5	0	23	0	0
Year	6.3	S.	36	S.	1	79	59	27	10	228	152	58	118	1	138	114	114	128	101	68	25	1	7	35	10	125	22	2

ALPENA, MICH.

[H_b=609 ft.; h_1=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	Thunderstorms	Aurora
January	10.9	W.	38	NW.	1	3	3	1	4	3	20	16	12	0	4	12	15	14	6	19	14	0	0	16	0	29	0	1
February	10.6	W.	30	W.	0	2	5	2	5	8	5	19	12	0	6	10	13	12	8	19	11	0	1	19	0	29	0	0
March	12.2	NW.	40	NW.	4	3	2	2	6	5	6	18	20	0	12	13	6	12	7	16	10	0	2	16	0	28	0	0
April	11.2	NW.	35	NE.	2	5	4	3	14	1	7	10	16	0	11	11	8	13	11	6	5	1	2	3	0	22	2	2
May	9.4	NW.	37	NW.	1	6	4	6	12	3	1	5	25	0	13	9	9	10	7	0	0	0	3	0	0	1	1	0
June	9.6	SE.	28	E.	0	7	8	4	15	3	7	7	9	0	9	12	9	12	11	0	0	0	3	0	0	0	3	0
July	8.6	NW.	27	NW.	0	6	5	3	12	3	6	13	14	0	11	14	6	12	9	0	0	0	0	0	2	0	1	1
August	8.5	SE.	36	SE.	2	8	2	1	20	4	4	11	12	0	14	11	6	8	6	0	0	2	1	0	0	0	4	7
September	9.2	SW.	29	W.	0	2	7	1	7	6	12	16	9	0	6	12	12	17	13	0	0	0	3	0	0	3	5	1
October	10.0	SW.	30	SE.	0	4	2	2	6	12	16	10	10	0	7	6	18	16	12	3	0	1	3	0	0	5	1	1
November	10.1	NW.	35	SW.	1	3	5	1	1	9	12	14	15	0	1	6	23	15	11	9	7	0	0	2	0	15	0	0
December	8.9	SW.	33	SE.	1	0	3	0	2	15	22	10	10	0	4	9	18	10	4	15	10	0	2	12	0	25	0	0
Year	9.9	NW.	40	NW.	12	49	50	26	104	72	118	149	164	0	98	125	143	151	105	87	57	4	20	68	2	157	17	13

AMARILLO, TEX.

[H_b=3,676 ft.; h_1=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	Thunderstorms	Aurora
January	7.6	SW.	30	SW.	0	9	3	3	4	9	15	12	7	0	24	4	3	0	0	0	0	0	0	2	0	22	0	0
February	7.9	S.	27	W.	0	4	6	5	5	10	10	10	8	0	16	4	9	7	5	4	3	0	0	3	0	22	1	0
March	8.3	SW.	26	E.	0	14	3	9	5	5	13	10	3	0	19	5	7	7	3	4	1	0	1	0	0	7	2	0
April	9.5	SW.	35	SW.	0	11	1	4	3	7	11	11	7	0	13	10	7	6	4	2	2	0	0	0	1	6	0	0
May	7.3	S.	26	SE.	0	10	4	9	7	14	8	3	7	0	20	4	7	15	13	0	0	1	0	0	5	0	5	0
June	9.2	E.	24	S.	0	5	7	13	8	7	11	3	6	0	17	7	6	5	5	0	0	1	0	0	10	0	5	0
July	7.7	S.	24	NW.	0	2	8	8	21	16	8	2	2	0	16	10	5	9	7	0	0	0	0	0	20	0	9	0
August	7.3	S.	26	S.	0	2	7	4	10	16	13	4	6	0	15	12	4	8	6	0	0	0	0	0	7	0	5	0
September	7.5	S.	25	N.	0	6	4	1	11	14	18	3	3	0	24	3	3	5	3	0	0	0	0	0	6	0	3	0
October	8.7	S.	28	SE.	0	3	9	1	14	14	10	8	5	0	13	7	11	9	6	0	0	0	0	0	2	0	4	0
November	7.9	SW.	24	SE.	0	7	4	1	4	9	13	8	14	0	17	7	6	5	4	4	3	1	0	0	0	10	2	0
December	7.3	NW.	30	W.	0	8	3	2	4	11	7	10	17	0	19	3	9	4	4	2	2	0	1	1	0	23	0	0
Year	8.0	S.	30	SW.	0	81	54	60	101	132	137	82	85	0	213	76	77	80	60	16	11	3	2	6	51	90	37	0

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

ANNISTON, ALA.

[ϕ=33° 39′ N.; λ=85° 50′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.448	29.890	28.840	34.8	48.7	43.3	53.4	31.4	42.4	75	4	29	30	----	80	51	----	0.197	0.213	----	2.48	1.24	4.3	5.2	4.6	4.7
February	29.379	29.680	29.000	38.1	51.4	45.8	56.7	34.3	45.5	70	13	32	32	----	80	51	----	.198	.200	----	2.49	.91	5.7	4.0	5.1	4.8
March	29.229	29.600	28.730	46.5	58.9	54.8	63.8	42.0	52.9	86	28	40	41	----	79	54	----	.268	.278	----	6.75	2.04	5.2	4.8	5.4	5.1
April	29.222	29.570	28.880	52.8	64.5	60.6	69.3	46.4	57.8	80	31	44	45	----	73	53	----	.306	.312	----	8.17	2.25	5.6	5.2	4.7	5.0
May	29.193	29.510	28.860	62.1	75.1	68.4	78.9	55.1	67.0	88	40	54	53	----	77	49	----	.437	.421	----	3.01	1.01	5.4	3.9	4.6	4.3
June	29.195	29.360	29.020	70.5	80.5	74.5	84.1	64.7	74.4	92	54	65	66	----	84	63	----	.630	.636	----	8.70	3.02	6.2	5.3	5.9	5.5
July	29.271	29.420	29.120	74.6	86.2	78.0	89.5	68.6	79.0	95	61	70	70	----	85	59	----	.727	.732	----	3.82	1.64	5.2	3.1	5.2	4.7
August	29.274	29.430	28.980	73.8	86.6	77.9	89.7	69.3	79.5	94	63	70	70	----	88	59	----	.733	.735	----	3.82	1.74	2.7	3.3	5.6	3.7
September	29.265	29.443	28.960	64.0	80.0	68.5	83.0	59.3	71.2	92	39	60	58	----	86	49	----	.532	.510	----	.83	.45	4.6	3.4	3.1	3.9
October	29.365	29.610	29.150	59.0	74.2	63.1	76.9	54.2	65.6	88	35	55	55	----	88	54	----	.464	.465	----	3.93	1.67	4.9	4.0	3.1	3.9
November	29.417	29.740	29.010	44.3	59.1	50.5	62.5	40.4	51.4	81	20	39	39	----	82	50	----	.261	.267	----	2.79	1.96	4.7	3.9	4.3	4.0
December	29.395	29.630	29.000	36.6	52.2	44.0	56.3	32.2	44.2	72	19	32	35	----	85	52	----	.195	.214	----	1.31	.45	4.4	4.4	3.6	4.0
Year	29.304	29.890	28.730	54.8	68.1	60.8	72.0	49.8	60.9	95	4	49	50	----	82	54	----	.412	.415	----	48.10	3.02	4.9	4.2	4.6	4.5

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	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	30.212	30.580	29.820	45.3	54.3	51.4	57.3	43.3	50.3	69	22	40	40	42	81	62	73	0.273	0.292	0.304	0.61	0.39	3.0	4.3	3.7	4.6
February	30.103	30.447	29.700	50.8	58.5	56.4	61.3	48.4	54.8	71	27	46	47	48	83	68	76	.327	.346	.363	8.00	3.44	6.0	5.6	5.7	6.3
March	29.984	30.299	29.546	59.4	65.2	62.4	67.8	55.7	61.8	77	40	54	53	55	84	68	78	.455	.437	.451	13.97	5.87	4.8	5.8	5.5	5.6
April	29.976	30.340	29.550	63.1	69.1	65.1	70.9	57.8	64.4	77	47	56	56	56	79	65	73	.474	.474	.458	18.62	6.31	4.1	4.2	3.1	4.1
May	29.921	30.200	29.570	69.4	75.9	72.4	78.6	65.3	72.0	85	53	64	60	63	84	61	72	.615	.544	.583	2.31	1.36	3.0	3.5	3.3	3.5
June	29.950	30.059	29.830	78.8	82.5	79.2	84.9	72.7	78.8	90	66	72	71	71	81	69	77	.792	.759	.768	5.42	4.06	3.9	4.8	4.3	4.5
July	30.002	30.120	29.840	79.8	83.4	81.3	87.0	75.4	81.2	94	69	74	72	73	83	70	77	.840	.797	.816	4.75	1.42	5.0	5.1	5.2	5.2
August	29.970	30.120	29.580	79.2	83.6	81.1	88.6	75.3	81.0	93	70	75	74	75	88	73	81	.870	.831	.856	12.06	2.48	4.9	6.6	5.6	5.9
September	29.925	30.090	29.470	75.1	80.1	78.0	82.5	71.7	77.1	88	58	70	71	72	86	75	81	.755	.763	.782	6.21	1.67	5.3	5.5	5.2	5.7
October	30.046	30.330	29.820	69.0	76.6	73.2	78.6	65.9	72.2	85	51	64	65	66	86	69	80	.637	.651	.668	4.85	3.01	3.5	3.5	2.3	3.5
November	30.139	30.430	29.810	53.8	63.8	60.1	66.1	51.0	58.6	76	33	48	50	52	83	63	74	.372	.399	.415	.55	.35	4.0	3.8	2.8	3.4
December	30.125	30.350	29.810	49.8	58.9	55.2	60.9	47.7	54.3	73	33	45	46	48	85	55	78	.329	.344	.357	2.07	1.37	3.3	5.0	2.9	4.5
Year	30.029	30.530	29.470	64.5	71.0	68.0	73.5	60.8	67.2	94	22	59	59	60	84	67	77	.562	.553	.568	79.42	6.31	4.2	4.8	4.1	4.7

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	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	27.735	28.150	27.120	28.3	40.8	38.3	45.7	25.0	35.4	69	−5	22	24	26	79	53	61	0.143	0.160	0.166	1.15	0.57	3.5	3.8	3.9	4.2
February	27.718	28.080	27.190	31.7	42.7	41.2	49.5	28.8	39.2	64	13	26	27	28	80	56	62	.148	.156	.163	.96	.36	5.4	5.2	4.5	4.7
March	27.594	27.950	27.180	39.3	51.1	48.2	55.9	35.8	45.8	79	23	34	32	34	80	50	59	.203	.191	.210	3.95	1.53	6.2	5.1	4.9	4.5
April	27.618	28.080	27.220	46.2	56.9	54.5	61.8	42.1	52.0	75	27	39	37	38	77	52	58	.252	.242	.247	4.53	.99	6.5	6.9	6.9	5.8
May	27.616	27.995	27.310	53.7	66.7	63.9	70.8	49.9	60.4	86	38	47	44	46	80	48	58	.335	.304	.292	5.53	2.34	5.4	5.2	5.3	4.5
June	27.626	27.777	27.460	63.5	73.6	70.3	77.1	59.0	68.0	89	45	59	59	60	86	61	73	.511	.505	.521	4.45	1.58	6.7	7.1	6.7	6.2
July	27.725	27.908	27.560	66.9	79.5	73.4	82.5	63.6	73.0	87	55	64	62	65	91	56	76	.600	.560	.618	3.78	1.10	6.3	5.7	6.5	5.5
August	27.753	27.940	27.370	66.3	79.1	72.2	82.1	64.0	73.0	87	53	65	64	66	95	61	82	.610	.599	.636	9.08	4.44	6.2	5.5	6.1	5.9
September	27.721	27.949	27.350	56.5	70.3	64.4	73.4	53.6	63.5	85	38	54	53	56	91	58	76	.432	.428	.472	4.85	1.36	4.3	4.4	6.4	5.0
October	27,816	28,040	27,420	51.5	65.1	59.4	67.6	48.8	58.2	82	35	48	48	50	89	56	72	.359	.365	.386	3.77	1.68	4.9	4.5	4.5	4.9
November	27.766	28.120	27.400	40.3	51.7	47.6	56.6	36.9	46.8	71	18	34	34	35	79	53	64	.217	.221	.226	.89	.32	6.0	5.4	4.3	5.1
December	27.748	28.020	27.290	32.1	44.1	41.6	49.0	28.9	39.0	61	19	27	29	30	83	57	64	.155	.171	.176	.55	.25	4.1	5.1	4.0	4.7
Year	27.703	28.150	27.120	48.0	60.1	56.2	64.3	44.7	54.5	89	−5	43	43	44	84	55	67	.330	.325	.346	43.49	4.44	5.5	5.3	5.4	5.1

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	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	28.944	29.360	28.390	36.7	46.8	45.9	51.3	33.9	42.6	72	1	28	29	28	70	52	51	0.192	0.199	0.192	2.83	1.25	4.6	4.6	4.5	5.3
February	28.893	29.240	28.490	37.5	47.3	46.9	53.3	34.9	44.1	66	16	31	32	31	76	59	67	.181	.192	.184	2.50	.85	5.1	6.7	4.7	5.9
March	28.757	29.130	28.343	46.0	56.1	54.5	60.7	43.0	51.8	83	28	38	37	38	74	52	58	.246	.242	.253	5.69	1.56	6.1	6.2	4.8	5.4
April	28.765	29.140	28.370	53.0	61.7	61.0	66.6	49.2	57.9	77	38	44	42	43	73	52	55	.302	.282	.290	5.42	1.18	6.3	6.5	6.0	6.0
May	28.735	29.120	28.387	61.5	72.2	69.9	76.0	58.7	67.4	86	44	51	48	50	71	46	53	.389	.357	.371	5.97	1.78	6.3	4.9	5.2	5.2
June	28.749	28.900	28.618	69.7	77.5	75.9	82.2	66.0	74.1	90	59	63	61	63	80	58	65	.578	.542	.573	5.75	1.80	7.3	7.4	8.0	7.6
July	28.826	29.010	28.697	73.8	83.1	78.8	87.1	70.4	78.8	93	66	68	67	67	82	59	68	.680	.659	.656	8.60	3.99	5.5	6.7	6.2	6.0
August	28.834	29.020	28.480	73.8	82.9	78.1	86.7	70.7	78.7	94	67	69	67	66	84	60	72	.700	.669	.675	4.01	1.97	5.0	6.4	7.1	6.1
September	28.804	29.020	28.440	65.3	76.2	73.1	79.9	62.8	71.4	91	48	58	56	58	78	53	62	.506	.486	.506	3.16	1.41	5.3	5.9	4.4	5.1
October	28.915	29.190	28.660	59.4	70.4	67.3	73.5	57.1	65.3	86	40	53	52	53	80	55	62	.431	.425	.429	2.19	1.00	5.4	5.2	4.2	4.8
November	28.932	29.280	28.600	45.3	56.2	54.1	60.0	42.8	51.4	76	23	38	37	38	77	52	58	.256	.251	.260	1.21	.55	5.4	4.9	4.2	4.5
December	28.911	29.160	28.470	39.9	49.3	47.6	53.4	37.0	45.2	67	24	33	33	34	76	55	61	.201	.196	.207	.82	.35	4.1	4.3	4.8	4.6
Year	28.839	29.360	28.343	55.2	65.0	62.8	69.2	52.2	60.7	94	1	48	47	48	77	54	60	.368	.373	.382	48.15	3.99	5.5	5.3	5.2	5.5

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

ANNISTON, ALA.

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

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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: Thunderstorms	Aurora
	Miles		*Mi.*																									
January	5.0	NW.	27	W.	0	4	0	1	3	14	10	8	20	2	12	13	6	7	6	2	1	0	1	3	0	15	0	0
February	5.7	NW.	22	NW.	0	9	0	2	8	9	3	5	21	1	15	5	9	10	7	1	0	0	0	0	0	11	1	0
March	5.7	NW.	22	W.	0	7	3	1	10	8	4	7	21	1	13	9	9	15	13	1	0	0	0	0	0	7	11	0
April	5.7	S.	22	NW.	0	8	2	0	10	16	9	0	14	1	14	5	11	12	12	0	0	0	0	0	0	1	5	0
May	4.3	NW.	16	SE.	0	11	3	1	12	5	6	9	11	4	12	11	8	12	10	0	0	0	0	0	0	0	6	0
June	4.2	SW.	23	SW.	0	8	0	1	13	12	12	10	4	0	8	11	11	16	14	0	0	0	0	0	5	0	13	0
July	2.6	S.	18	NW.	0	8	2	1	11	12	9	5	12	2	8	19	4	13	11	0	0	0	0	0	16	0	16	0
August	3.2	SE.	15	NE.	0	9	3	6	14	13	5	2	6	4	15	14	2	13	9	0	0	0	0	0	20	0	18	0
September	2.8	N.	14	N.	0	11	3	5	13	1	3	10	8	6	17	6	7	5	4	0	0	0	0	0	4	0	3	0
October	4.1	SE.	14	W.	0	6	0	9	25	4	1	3	11	3	17	5	9	11	10	0	0	0	0	0	0	0	3	0
November	4.7	NW.	17	NW.	0	3	0	2	14	12	2	2	21	4	15	7	8	5	5	0	0	0	0	0	0	8	0	0
December	4.4	NW.	19	NW.	0	7	2	3	13	6	3	3	20	5	15	10	6	8	6	0	0	0	1	0	0	17	1	0
Year	4.4	NW.	27	W.	0	91	18	32	146	112	67	64	169	33	161	115	90	127	107	4	1	0	2	3	45	59	77	0

APALACHICOLA, FLA.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	6.9	N.	21	N.	0	12	11	6	4	8	3	9	9	0	14	5	12	5	2	0	0	0	7	0	0	6	0	0
February	7.4	E.	24	NW.	0	14	11	10	5	1	1	7	9	0	8	6	15	11	9	0	0	0	3	0	0	1	4	0
March	7.4	S.	34	S.	2	6	7	3	7	13	10	7	8	1	10	9	12	9	8	0	0	0	4	0	0	0	8	0
April	8.5	S.	27	E.	0	7	8	2	5	18	6	6	8	0	15	7	8	8	7	0	0	0	1	0	0	0	6	0
May	7.3	SW.	26	E.	0	9	2	5	5	1	16	15	8	1	19	6	6	6	4	0	0	0	1	0	0	0	6	0
June	5.8	SW.	25	NE.	0	3	6	3	3	14	18	10	3	0	13	8	9	9	5	0	0	0	0	0	1	0	9	0
July	5.0	SW.	34	NE.	1	4	6	2	1	9	20	16	3	1	10	13	8	14	11	0	0	0	0	0	3	0	18	0
August	6.6	SW.	30	NW.	0	9	7	3	5	8	10	14	6	0	5	17	9	19	15	0	0	0	0	0	5	0	17	0
September	7.3	NE.	35	NE.	1	8	18	4	9	4	7	2	7	1	11	7	12	12	11	0	0	0	0	0	0	0	8	0
October	7.5	NE.	28	NE.	0	14	20	1	9	9	3	2	4	0	18	6	7	7	6	0	0	0	0	0	0	0	6	0
November	7.7	N.	23	NE.	0	15	15	2	5	2	2	7	12	0	18	8	4	2	2	0	0	0	0	0	0	0	1	0
December	7.1	N.	25	E.	0	20	10	9	7	0	4	3	9	0	14	8	9	6	4	0	0	0	5	0	0	0	0	0
Year	7.0	N.	35	NE.	4	121	121	50	65	87	100	98	86	4	155	100	111	108	84	0	0	0	21	0	9	7	83	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	Thunderstorms	Aurora
January	7.5	N.	26	NW.	0	23	0	1	9	3	0	1	23	2	17	7	7	8	7	6	1	0	2	6	0	19	0	0
February	8.7	NW.	30	SE.	0	11	0	0	17	6	1	0	23	0	12	9	8	10	7	4	1	0	3	0	0	20	0	0
March	9.4	NW.	31	NW.	0	15	0	1	18	4	1	1	22	0	13	10	8	15	9	6	2	0	2	0	0	12	4	0
April	9.8	SE.	29	S.	0	18	0	0	20	4	1	3	14	0	10	9	11	14	12	4	2	0	0	0	0	5	2	0
May	6.1	NW.	25	NW.	0	14	0	2	16	1	1	2	24	2	14	9	8	15	13	0	0	0	5	0	0	0	8	0
June	6.5	SE.	24	NW.	0	10	1	0	20	9	0	2	17	1	5	13	12	16	13	0	0	0	2	0	0	0	10	0
July	4.9	SE.	27	N.	0	20	0	0	16	8	2	1	15	0	7	17	7	13	10	0	0	0	10	0	0	0	15	0
August	4.9	SE.	24	N.	0	8	0	2	23	10	0	2	17	0	5	18	8	16	14	0	0	1	12	0	0	0	11	0
September	5.1	NW.	21	N.	0	18	0	1	20	4	0	2	15	0	11	10	9	12	10	0	0	0	9	0	0	0	5	0
October	7.0	SE.	27	N.	0	13	0	1	30	5	0	0	12	1	14	9	8	8	4	1	0	0	7	0	0	0	2	0
November	9.2	NW.	27	N.	0	11	0	0	24	1	0	0	21	3	12	6	12	6	5	4	0	0	1	0	0	9	6	0
December	7.2	NW.	28	SE.	0	17	1	1	18	2	0	0	20	3	16	3	12	7	5	3	2	0	2	0	0	23	0	0
Year	7.2	NW.	31	NW.	0	178	2	9	231	57	6	14	223	12	136	120	110	140	109	28	8	1	55	6	0	88	57	0

ATLANTA, GA.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	11.2	NW.	37	W.	2	2	3	1	2	5	7	14	28	0	10	11	10	6	5	2	1	0	4	5	0	12	0	0
February	11.1	NW.	39	NW.	1	3	2	9	6	3	2	6	27	0	10	6	13	12	8	2	0	0	5	0	0	7	1	0
March	11.1	NW.	35	NW.	1	2	4	7	8	5	4	4	27	1	11	7	13	13	9	1	0	0	1	0	0	2	8	0
April	11.3	NW.	45	NW.	2	2	3	6	10	6	8	8	17	0	8	8	14	11	11	1	0	0	0	0	0	0	7	0
May	9.3	NW.	26	NW.	0	7	4	4	8	4	2	14	19	0	12	6	13	11	10	0	0	1	1	0	0	0	5	0
June	8.7	W.	32	NW.	0	1	1	2	6	8	9	19	14	0	4	4	22	15	13	0	0	0	0	0	2	0	12	0
July	6.5	NW.	36	NW.	1	4	4	3	5	10	3	15	18	0	7	14	10	14	12	0	0	0	0	0	4	0	15	0
August	7.6	NW.	31	SE.	0	8	3	10	10	7	6	9	7	2	6	18	7	11	10	0	0	0	2	0	6	0	11	0
September	7.1	NW.	24	NW.	0	2	7	10	8	5	3	4	20	1	11	10	9	8	6	0	0	0	0	0	2	0	3	0
October	9.3	E.	27	NW.	0	4	3	20	10	8	0	4	13	0	13	6	12	9	8	0	0	0	0	0	0	0	2	0
November	10.9	NW.	35	NW.	1	1	3	4	10	8	3	4	27	0	11	9	10	5	4	0	0	0	1	0	0	4	0	0
December	9.5	NW.	31	NW.	0	1	4	16	4	4	3	5	25	0	12	8	10	8	3	2	1	0	5	0	0	10	0	0
Year	9.5	NW.	45	NW.	8	37	41	92	87	75	50	106	242	4	116	107	143	123	99	8	2	1	19	5	14	55	64	0

Annual meteorological summary for the year ending December 31, 1928—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	29.987	30.500	29.080	32.2	38.6	35.4	43.7	27.6	35.6	64	10	25	28	28	74	65	68	0.147	0.165	0.153	2.23	0.98	4.1	4.3	3.5	3.7
February	30.038	30.630	29.230	33.3	38.7	36.6	42.9	28.8	35.8	62	11	29	32	30	82	77	78	.170	.192	.178	2.72	.74	5.3	5.5	4.1	4.9
March	29.867	30.450	29.200	37.7	42.6	40.8	46.4	33.6	40.0	60	20	31	33	33	77	70	74	.180	.194	.192	2.48	.67	5.1	5.7	3.7	4.8
April	29.913	30.470	29.195	46.0	56.2	48.1	54.4	40.9	47.6	70	30	37	35	39	72	61	73	.227	.217	.245	5.87	2.52	4.7	6.0	4.9	4.7
May	29.859	30.404	29.450	55.6	58.6	55.9	61.9	51.0	56.4	73	42	47	47	49	76	68	79	.335	.337	.351	3.49	1.26	5.8	5.6	5.1	5.5
June	29.847	30.142	29.552	65.6	68.3	65.0	71.5	60.6	66.0	84	56	59	59	60	81	74	84	.508	.511	.522	3.03	.80	6.4	5.4	6.4	5.5
July	29.918	30.221	29.600	72.2	74.7	71.6	77.9	66.3	72.1	88	61	66	66	66	81	75	84	.639	.641	.649	3.40	1.39	4.3	4.5	4.3	3.6
August	29.968	30.250	29.030	73.7	77.6	73.7	80.2	69.2	74.7	87	59	68	69	69	84	76	86	.703	.721	.719	6.20	3.53	5.8	4.8	4.7	4.4
September	29.984	30.340	29.662	63.9	69.1	66.0	71.4	59.7	65.6	82	44	58	56	59	81	67	80	.497	.489	.529	9.16	4.64	6.4	5.8	4.3	5.5
October	30.090	30.470	29.600	56.6	63.8	59.7	65.8	52.2	59.0	83	32	49	48	51	77	58	74	.375	.366	.406	1.38	.71	3.5	2.6	3.0	3.0
November	29.990	30.479	29.450	45.5	52.5	49.0	54.7	41.6	48.2	68	22	39	39	40	78	62	72	.255	.261	.267	1.87	.70	7.2	6.1	4.2	6.3
December	30.075	30.450	29.320	36.1	42.9	40.1	45.8	33.0	39.4	56	21	30	31	32	79	64	74	.176	.183	.192	2.03	.51	5.2	4.5	3.6	4.7
Year	29.961	30.630	29.080	51.5	56.5	53.5	59.7	47.0	53.4	88	10	45	45	46	78	68	77	.351	.356	.367	44.86	4.64	5.3	5.1	4.3	4.7

AUGUSTA, GA.

[ϕ=33° 28′ N.; λ=81° 54′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.998	30.430	29.437	37.9	51.9	49.9	58.0	35.9	47.0	80	10	32	34	36	81	51	58	0.208	0.232	0.243	0.75	0.53	4.5	4.4	3.9	4.9
February	29.946	30.300	29.520	40.8	52.1	51.7	59.1	38.7	48.9	72	22	36	37	38	84	60	63	.226	.234	.244	5.84	2.05	6.1	5.6	3.8	5.7
March	29.797	30.200	29.300	50.7	61.6	59.9	67.4	47.5	57.4	81	33	44	42	43	78	53	58	.306	.302	.303	4.35	.99	6.1	5.4	3.8	5.5
April	29.804	30.230	29.300	57.9	68.5	65.6	73.1	51.8	62.4	85	40	49	45	46	74	48	52	.372	.327	.320	6.40	3.02	4.3	5.1	4.0	5.0
May	29.743	30.190	29.380	65.4	76.5	73.5	81.2	59.5	70.4	92	47	57	53	54	75	47	54	.473	.416	.437	6.37	2.76	5.6	5.0	5.1	5.2
June	29.760	29.930	29.620	74.9	84.7	79.0	88.3	68.8	78.6	98	58	68	65	66	78	53	67	.678	.619	.651	2.97	.75	5.3	6.1	5.8	6.1
July	29.821	30.015	29.680	77.1	87.5	81.5	91.6	72.5	82.0	96	69	71	69	70	82	56	71	.766	.722	.743	3.66	1.31	5.0	5.5	5.5	5.6
August	29.834	30.008	29.250	76.8	86.6	80.7	90.4	72.8	81.6	96	70	72	71	72	87	60	76	.799	.753	.785	8.44	3.41	5.7	5.5	6.3	5.8
September	29.804	30.030	29.190	69.1	80.2	74.6	83.9	65.5	74.7	95	53	65	64	66	88	60	76	.636	.614	.661	7.47	3.50	5.6	5.8	4.2	5.6
October	29.945	30.250	29.570	62.3	75.1	69.3	78.8	59.7	69.2	90	43	58	55	58	85	52	68	.506	.469	.508	1.91	1.02	5.2	4.5	2.3	4.7
November	29.974	30.350	29.610	46.8	61.8	56.9	65.8	44.3	55.0	82	28	42	40	42	82	47	60	.288	.281	.301	.30	.20	4.9	3.8	3.0	4.0
December	29.969	30.260	29.534	40.6	54.3	50.7	58.9	38.7	48.8	72	26	36	37	38	84	54	64	.226	.239	.246	2.34	1.32	4.6	4.8	3.4	4.6
Year	29.866	30.430	29.190	58.4	70.1	66.1	74.7	54.6	64.7	98	10	52	51	52	82	53	64	.457	.434	.454	50.80	3.50	5.2	5.1	4.3	5.2

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	29.586	30.100	29.190	43.6	57.3	----	62.3	41.5	51.9	79	15	36	37	----	74	49	----	0.240	0.254	----	0.36	0.20	4.8	5.2	----	5.5
February	29.500	29.850	29.040	47.1	57.3	----	62.4	44.5	53.4	76	31	41	42	----	81	66	----	.280	.287	----	5.43	2.18	6.2	5.5	----	5.8
March	29.337	29.750	28.890	54.9	69.4	----	75.7	51.7	63.7	94	35	47	48	----	78	50	----	.356	.358	----	.29	.19	4.8	4.0	----	4.5
April	29.281	29.650	28.840	55.4	69.2	70.0	75.7	52.2	64.0	92	36	51	54	56	84	61	62	.397	.445	.463	2.14	1.50	6.0	4.6	3.8	5.0
May	29.292	29.680	28.980	65.6	80.8	81.1	85.1	63.1	74.1	97	51	59	61	61	80	54	54	.521	.548	.553	2.70	1.50	4.8	4.8	3.7	4.8
June	29.181	29.440	28.850	73.8	85.2	85.7	90.2	71.1	80.6	97	57	69	68	70	86	58	61	.722	.687	.739	3.02	.81	7.3	4.6	2.4	5.0
July	29.336	29.530	29.168	75.8	89.8	90.0	94.7	74.0	84.4	99	70	72	68	68	87	50	51	.780	.689	.699	1.75	1.20	5.1	3.4	3.1	4.1
August	29.330	29.490	29.100	76.3	91.8	90.8	96.8	74.8	85.8	100	71	71	68	68	84	46	49	.767	.685	.697	1.02	.97	2.3	3.5	3.4	3.5
September	29.349	29.600	29.190	68.4	82.7	80.8	87.2	67.0	77.1	96	57	63	63	62	85	54	57	.601	.590	.572	4.36	1.58	4.3	5.4	4.4	5.4
October	29.392	29.700	29.090	65.1	80.0	77.7	84.2	61.2	72.7	92	41	60	58	60	89	50	55	.546	.515	.531	.82	.49	4.5	4.0	2.6	4.3
November	29.521	29.950	29.140	51.3	62.9	60.2	67.2	48.1	57.6	84	34	46	47	50	82	59	70	.337	.354	.376	2.18	1.45	6.0	6.3	5.6	6.0
December	29.522	29.900	29.120	43.0	57.0	54.9	61.5	40.0	50.8	81	29	38	39	40	81	54	61	.243	.258	.268	2.68	.92	4.6	4.7	3.3	4.5
Year	29.386	30.100	28.840	59.9	73.6	----	78.6	57.4	68.0	100	15	54	54	----	83	54	----	.482	.472	----	26.75	2.18	5.1	4.7	----	4.9

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	26.647	27.050	25.930	22.8	29.8	28.7	32.8	18.5	25.6	46	3	20	23	24	88	75	83	0.109	0.127	0.131	1.02	0.25	8.2	7.1	8.2	8.1
February	26.612	26.900	26.130	23.5	33.5	34.7	37.3	20.1	28.7	43	12	20	24	24	83	66	63	.104	.128	.128	.30	.08	5.1	5.6	5.2	5.9
March	26.435	26.740	25.930	33.5	44.6	46.7	49.2	30.5	39.8	70	14	28	29	29	80	54	52	.154	.159	.162	.86	.21	6.8	7.2	7.0	7.1
April	26.404	26.860	25.945	33.9	48.3	49.1	52.7	31.1	41.9	71	21	27	26	27	75	43	46	.147	.146	.152	.86	.25	6.8	7.9	7.0	7.2
May	26.454	26.650	26.200	43.2	67.4	70.8	72.5	41.1	56.8	90	25	34	33	33	70	29	26	.209	.192	.189	.18	.12	2.5	3.5	3.7	3.6
June	26.378	26.600	26.060	45.3	65.2	65.1	69.8	43.0	56.4	91	32	37	37	40	73	38	44	.223	.229	.252	1.46	.73	5.0	5.6	6.7	5.6
July	26.441	26.640	26.200	53.9	78.4	80.9	83.8	52.3	68.0	101	41	40	42	44	62	30	30	.254	.277	.299	.45	.17	2.9	3.2	4.2	3.4
August	26.475	26.650	26.200	49.4	74.6	78.6	80.6	47.2	63.9	96	35	34	38	38	57	27	25	.202	.227	.229	.06	.06	1.6	1.7	2.5	1.9
September	26.472	26.720	26.130	44.5	68.9	70.9	74.6	41.4	58.0	93	30	32	35	35	62	31	31	.180	.202	.207	.60	.33	2.5	2.7	3.7	3.1
October	26.484	26.710	26.110	38.6	55.4	55.1	59.9	35.1	47.5	75	19	30	32	33	69	43	46	.170	.190	.199	.73	.41	3.6	5.5	5.7	5.3
November	26.557	26.950	25.960	33.8	42.5	40.9	45.1	29.2	37.2	56	17	28	29	30	79	61	64	.151	.162	.163	.40	.08	5.4	7.7	6.7	6.7
December	26.586	27.020	26.020	20.1	30.7	27.2	33.1	14.6	23.8	51	−1	16	20	20	84	63	73	.094	.110	.107	.51	.11	4.4	6.1	5.5	6.0
Year	26.495	27.050	25.930	36.9	53.3	54.1	57.6	33.7	45.6	101	−1	29	31	31	74	47	49	.166	.179	.185	7.43	.73	4.6	5.3	5.5	5.3

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

ATLANTIC CITY, N. J.

[H_b=52 ft.; h_t=37 ft.; h_r=33 ft.; h_a=172 ft.]

Month	Wind: By self-register: Average hourly velocity	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: No. of 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: Thunderstorms	Electricity: Aurora
	Miles		*Mi.*																									
January	17.7	W.	68	S.	9	5	3	1	4	2	14	24	9	0	15	11	5	9	6	4	4	0	0	6	0	16	0	0
February	15.8	NW.	80	SE.	6	7	2	3	6	4	10	12	14	0	10	11	8	9	8	3	2	0	1	4	0	20	1	0
March	17.0	W.	58	NE.	10	6	7	4	0	6	9	15	15	0	12	11	8	10	7	5	2	0	2	0	0	12	2	0
April	19.2	W.	72	NE.	13	1	10	3	3	9	10	14	10	0	12	10	8	11	8	1	1	0	1	0	0	2	1	0
May	13.9	S.	45	NE.	5	2	12	8	7	13	6	3	11	0	8	14	9	15	11	0	0	0	6	0	0	0	3	0
June	14.4	S.	43	S.	5	3	6	6	2	16	16	7	4	0	6	16	8	14	11	0	0	0	3	0	0	0	4	0
July	14.1	SW.	36	NE.	2	5	4	1	6	15	19	4	8	0	15	10	6	11	8	0	0	0	2	0	0	0	6	1
August	14.1	S.	62	NE.	4	3	7	5	3	17	18	3	6	0	13	11	7	7	7	0	0	0	0	0	0	0	8	0
September	15.5	S.	72	NE.	7	9	7	5	5	8	10	9	7	0	10	8	12	11	8	0	0	0	0	0	0	0	3	0
October	13.3	S.	35	S.	3	5	0	4	6	13	13	9	12	0	16	14	1	7	3	0	0	0	1	0	0	1	1	0
November	15.5	W.	44	NW.	5	3	3	1	2	2	17	18	14	0	7	10	13	10	8	0	0	0	1	0	0	2	0	0
December	13.1	NW.	42	S.	4	12	4	3	2	6	4	16	15	0	14	6	11	8	7	3	2	0	2	0	0	13	0	0
Year	15.3	SW.	80	SE.	73	61	65	44	46	111	146	134	125	0	138	132	96	122	92	16	11	0	19	10	0	66	29	1

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	No. of 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	Thunderstorms	Aurora
January	5.4	NW.	23	NW.	0	2	0	2	5	8	9	4	24	8	11	12	8	4	4	1	0	0	4	2	0	12	0	0
February	4.9	NW.	30	NW.	0	2	8	9	3	1	6	10	17	2	9	11	9	13	11	1	0	0	2	0	0	3	0	0
March	6.1	NW.	30	SW.	0	3	8	4	8	6	8	7	15	3	9	13	9	12	10	0	0	0	0	0	0	0	3	0
April	6.5	S.	26	W.	0	3	5	5	14	10	7	3	12	1	12	7	11	10	8	0	0	0	0	0	0	0	2	0
May	5.3	NW.	22	W.	0	8	3	5	6	10	7	8	12	3	11	10	10	9	6	0	0	0	0	0	3	0	4	0
June	5.4	S.	30	NW.	0	2	1	0	11	16	16	4	10	0	6	10	14	14	9	0	0	0	0	0	10	0	11	0
July	4.3	S.	32	NW.	0	3	4	4	12	13	18	5	3	0	6	15	10	11	9	0	0	0	1	0	20	0	11	0
August	4.5	S.	25	SE.	0	2	10	5	10	15	12	2	5	1	5	18	8	18	15	0	0	0	0	0	22	0	12	0
September	4.8	NW.	37	N.	1	7	13	5	9	6	5	0	9	6	9	10	11	9	9	0	0	0	2	0	4	0	4	0
October	4.2	NE.	16	SE.	0	9	15	11	6	4	3	0	12	2	10	15	6	8	7	0	0	0	2	0	0	0	1	0
November	4.5	NW.	22	SW.	0	8	5	1	7	6	3	2	20	8	15	7	8	3	2	0	0	0	0	0	0	3	0	0
December	3.9	NW.	20	W.	0	10	6	2	6	4	1	5	24	4	10	10	7	6	5	0	0	0	3	0	0	10	0	0
Year	4.9	NW.	37	N.	1	59	78	53	97	99	95	50	163	38	117	138	111	117	95	2	0	0	14	2	59	28	48	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	No. of 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	Thunderstorms	Aurora
January	6.2	S.	28	S.	0	* 5	* 2	* 1	* 7	* 5	* 1	* 3	* 7	* 0	10	9	12	6	3	1	1	0	2	1	0	6	0	0
February	7.3	N.	34	N.	1	5	6	2	2	5	0	1	8	0	10	5	14	11	10	0	0	0	2	0	0	2	1	0
March	8.9	N.	34	N.	2	8	3	1	2	8	1	2	6	0	15	4	12	5	2	1	0	0	2	0	2	0	2	0
April	11.1	S.	34	NE.	1	3	5	0	15	17	0	5	5	0	11	10	9	7	7	1	0	0	0	0	2	0	5	0
May	7.6	SE.	31	N.	0	11	3	1	27	6	2	1	11	0	12	11	8	5	5	0	0	0	1	0	9	0	5	0
June	10.3	S.	35	S.	2	3	4	4	29	14	1	1	4	0	10	14	6	7	7	0	0	0	0	0	19	0	7	0
July	6.7	SE.	25	NE.	0	1	1	3	38	16	2	0	1	0	12	17	2	5	3	0	0	0	0	0	29	0	5	0
August	6.1	SE.	25	NE.	0	2	6	1	31	15	0	3	4	0	18	10	3	3	1	0	0	0	0	0	31	0	5	0
September	5.8	NE.	28	SE.	0	13	15	4	15	1	0	3	8	1	11	7	12	12	8	0	0	0	3	0	18	0	4	0
October	6.1	SE.	26	N.	0	7	2	5	23	13	3	3	6	0	13	11	7	4	4	0	0	0	2	0	10	0	3	0
November	6.6	N.	29	SE.	0	14	9	3	13	7	1	2	11	0	10	5	15	11	6	0	0	0	1	0	0	0	1	0
December	6.7	N.	28	NW.	0	15	5	7	9	5	2	7	12	0	14	7	10	8	6	0	0	0	3	0	0	7	2	0
Year	7.4	SE.	35	S.	6	97	61	32	211	112	13	31	83	1	146	110	110	84	62	3	1	0	15	1	120	15	40	0

BAKER, OREG.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	No. of 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	Thunderstorms	Aurora
January	4.7	SE.	16	SE.	0	4	2	3	31	5	2	8	7	0	3	5	23	15	8	14	13	0	1	15	0	31	0	0
February	5.1	SE.	16	NW.	0	4	2	4	26	2	1	14	5	0	11	3	15	11	3	10	10	0	0	2	0	29	0	0
March	5.9	SE.	21	S.	0	4	3	1	30	6	1	9	8	0	6	5	20	14	9	9	6	0	0	0	0	18	0	0
April	6.0	SE.	30	SW.	0	8	2	2	30	1	4	5	8	0	5	7	18	14	7	9	8	0	1	0	0	16	1	0
May	5.9	SE.	18	N.	0	5	0	4	32	1	1	3	16	0	17	9	5	4	1	1	0	0	0	0	1	5	1	0
June	5.3	SE.	26	N.	0	5	2	1	25	3	2	9	13	0	11	7	12	9	8	0	0	0	0	0	1	0	6	0
July	5.1	SE.	27	SE.	0	1	0	0	31	0	0	9	21	0	18	10	3	7	4	0	0	0	0	0	10	0	6	0
August	5.0	NW.	13	NW.	0	4	1	1	29	2	0	4	21	0	24	4	3	1	1	0	0	0	0	0	3	0	2	0
September	5.1	SE.	22	SW.	0	1	4	3	28	2	2	9	11	0	19	6	5	3	3	0	0	0	0	0	2	2	0	0
October	5.3	SE.	22	NW.	0	3	1	3	25	3	7	7	13	0	9	13	9	6	4	1	0	0	0	0	0	13	0	1
November	4.9	SE.	21	S.	0	5	1	4	30	7	1	5	7	0	6	10	14	9	6	4	3	0	0	2	0	24	1	0
December	5.3	SE.	21	SE.	0	3	3	2	39	6	1	6	2	0	8	9	14	10	6	10	8	0	0	14	0	30	0	0
Year	5.3	SE.	30	SW.	0	47	21	28	356	38	22	88	132	0	137	88	141	103	60	58	48	0	2	33	17	168	17	1

* One observation per day at Austin before April.

Annual meteorological summary for the year ending December 31, 1928—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	29.936	30.450	28.960	31.7	39.7	36.6	44.8	27.8	36.3	68	10	22	23	22	66	51	56	0.132	0.139	0.132	2.76	1.04	4.3	4.7	3.7	4.4
February	29.978	30.550	29.190	32.7	40.2	39.2	45.3	29.9	37.6	63	16	25	26	27	71	57	61	.140	.146	.153	2.89	.90	6.1	5.5	4.2	5.8
March	29.809	30.400	29.130	38.5	45.1	44.8	51.9	35.6	43.8	75	23	30	31	31	72	59	59	.174	.183	.184	3.12	1.32	5.4	5.5	3.3	5.5
April	29.839	30.351	29.030	47.7	55.5	53.2	60.9	42.9	51.9	84	31	37	40	38	68	58	60	.232	.267	.244	6.26	3.21	5.1	5.7	5.5	5.7
May	29.791	30.360	29.400	59.1	67.6	65.7	72.0	54.1	63.0	87	44	48	48	50	67	53	59	.345	.356	.375	3.09	.91	5.5	6.5	6.0	6.0
June	29.764	30.070	29.450	68.3	74.7	72.5	78.5	63.6	71.0	93	57	59	59	60	74	61	68	.520	.516	.534	4.43	.93	6.7	6.6	7.3	6.7
July	29.846	30.140	29.580	76.5	84.2	79.3	87.9	70.4	79.2	97	62	65	65	66	69	55	66	.633	.637	.650	3.54	1.80	3.6	4.9	4.9	4.5
August	29.890	30.140	29.570	74.7	82.4	78.2	86.0	69.7	77.8	97	57	68	67	69	79	62	74	.682	.676	.711	9.70	3.89	6.0	6.4	6.1	5.8
September	29.919	30.280	29.580	62.3	70.0	66.9	73.0	58.7	65.8	91	43	55	56	58	78	63	73	.455	.462	.500	4.35	1.32	6.5	6.3	5.2	6.3
October	30.022	30.430	29.600	55.5	66.2	61.7	69.6	51.8	60.7	88	34	47	47	51	74	52	68	.350	.360	.398	.26	.14	3.7	4.5	3.2	4.1
November	29.935	30.390	29.420	45.8	54.6	50.4	58.2	42.4	50.3	78	26	37	37	39	73	52	65	.241	.239	.254	1.78	.89	7.6	6.6	3.8	6.4
December	30.019	30.390	29.210	36.3	44.2	41.8	48.1	33.8	41.0	63	22	28	28	30	72	54	62	.162	.163	.174	1.22	.82	6.0	4.0	3.9	4.7
Year	29.896	30.550	28.960	52.4	60.4	57.5	64.7	48.4	56.5	97	10	43	44	45	72	56	64	.339	.345	.359	43.40	3.89	5.5	5.6	4.8	5.5

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	28.997	29.570	28.000	26.7	30.8	----	35.7	21.5	28.6	52	3	20	20	----	74	61	----	0.114	0.111	----	1.48	0.60	7.7	7.1	----	7.1
February	29.091	29.700	28.410	23.4	30.0	----	35.5	18.7	27.1	54	0	18	20	----	80	65	----	.105	.115	----	2.68	.91	6.8	6.4	----	6.8
March	28.927	29.500	28.180	28.7	35.3	----	40.9	24.2	32.6	71	9	22	25	----	75	65	----	.121	.140	----	2.79	1.34	6.5	7.9	----	7.5
April	28.993	29.420	28.400	39.0	48.5	----	53.1	33.5	43.3	81	23	31	32	----	72	55	----	.180	.187	----	4.73	1.38	7.0	6.8	----	6.3
May	29.003	29.546	28.590	51.7	63.0	----	67.6	44.5	56.0	89	33	41	41	----	68	48	----	.270	.275	----	2.56	.84	4.7	6.9	----	6.0
June	28.955	29.287	28.600	61.3	69.1	----	73.4	54.1	63.8	85	38	54	54	----	78	61	----	.430	.435	----	9.51	1.67	6.3	6.7	----	6.6
July	29.044	29.347	28.820	68.7	78.8	----	82.5	61.5	72.0	93	46	64	66	----	84	66	----	.598	.648	----	3.73	1.09	4.6	6.8	----	5.5
August	29.112	29.396	28.780	67.3	78.0	----	82.5	62.5	72.5	92	49	63	65	----	87	68	----	.587	.636	----	2.32	.54	7.2	6.0	----	6.0
September	29.110	29.450	28.780	54.6	65.8	----	70.0	49.4	59.7	87	33	49	50	----	82	58	----	.366	.379	----	.79	.24	6.6	5.8	----	5.8
October	29.169	29.590	28.780	47.7	59.7	----	63.6	42.7	53.2	86	23	42	44	----	82	57	----	.296	.311	----	1.25	.46	6.0	6.3	----	5.9
November	29.064	29.490	28.450	38.2	45.0	----	48.6	34.7	41.6	70	17	32	34	----	80	66	----	.190	.204	----	2.11	.72	8.1	7.2	----	7.3
December	29.132	29.520	28.230	31.0	36.5	----	40.4	26.9	33.6	57	11	25	26	----	78	66	----	.138	.145	----	.16	.08	7.2	6.5	----	6.9
Year	29.050	29.700	28.000	44.9	53.4	----	57.8	39.5	48.7	93	0	38	40	----	78	61	----	.283	.299	----	34.11	1.67	6.6	6.7	----	6.5

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	29.468	29.870	28.870	38.2	49.5	47.0	53.8	34.9	44.4	75	5	31	31	31	75	51	54	0.211	0.216	0.207	1.91	1.16	4.3	5.1	4.1	4.9
February	29.397	29.730	29.020	40.6	52.3	49.8	56.8	37.4	47.1	71	17	33	34	34	75	52	58	.205	.212	.219	1.77	.66	6.2	4.5	4.5	4.9
March	29.251	29.640	28.796	47.7	58.8	57.5	63.8	44.2	54.0	85	29	41	42	42	77	56	59	.275	.289	.298	7.71	2.36	6.3	5.8	5.2	5.8
April	29.239	29.560	28.860	53.0	64.1	61.9	69.2	49.0	59.1	81	33	44	46	45	74	56	58	.311	.327	.320	9.50	2.45	5.2	5.6	4.5	5.4
May	29.214	29.510	28.850	62.8	75.9	71.5	79.7	57.9	68.8	88	46	55	54	54	76	50	56	.444	.442	.429	3.94	1.38	4.8	4.7	3.6	4.7
June	29.200	29.370	29.040	70.6	79.2	76.1	83.2	66.7	75.0	91	59	66	66	66	87	66	72	.654	.649	.647	8.84	1.87	7.0	6.5	5.1	6.3
July	29.290	29.420	29.150	74.3	85.9	80.4	89.3	70.5	79.9	94	66	70	70	70	86	61	72	.728	.746	.745	2.16	.70	4.9	5.9	5.0	5.3
August	29.290	29.426	28.990	74.5	86.6	80.5	90.5	71.0	80.8	95	68	70	71	71	88	61	73	.746	.755	.749	5.46	1.57	2.6	5.3	5.3	4.5
September	29.280	29.450	29.040	65.1	80.3	74.1	83.9	62.1	73.0	93	46	59	59	59	82	50	61	.531	.526	.525	1.82	1.16	4.5	4.4	3.4	4.2
October	29.369	29.600	29.130	60.0	74.9	68.1	77.9	57.6	67.8	89	42	56	56	56	86	54	67	.470	.480	.478	5.02	2.74	4.4	3.7	2.8	3.9
November	29.433	29.780	29.000	46.1	59.1	54.5	63.1	43.5	53.3	77	24	40	39	39	79	51	58	.268	.268	.268	2.20	1.07	4.5	5.2	4.5	4.8
December	29.411	29.630	28.990	40.1	52.2	48.8	56.3	37.0	46.6	70	22	34	35	35	78	54	59	.207	.216	.216	.91	.41	4.1	5.1	4.2	4.6
Year	29.320	29.870	28.796	56.1	68.2	64.2	72.3	52.6	62.5	95	5	50	50	50	80	55	62	.421	.427	.425	51.14	2.74	4.9	5.2	4.4	4.9

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	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	28.260	28.940	27.650	11.3	18.6	17.2	24.7	5.7	15.2	45	−34	7	10	12	81	66	77	0.073	0.080	0.086	0.23	0.13	3.9	4.6	3.7	4.4
February	28.276	28.568	27.900	14.0	25.1	25.4	31.2	10.7	21.0	52	−8	10	16	17	83	66	69	.072	.091	.101	.11	.10	3.6	4.3	3.7	4.5
March	28.185	28.750	27.640	23.7	38.7	37.8	43.2	20.9	32.0	74	3	20	22	24	53	54	58	.110	.126	.134	.32	.32	4.9	4.7	5.4	4.7
April	28.139	28.627	27.500	29.0	43.7	44.5	48.8	25.3	37.0	77	4	22	24	24	76	47	47	.122	.129	.131	1.15	.68	5.5	5.1	5.6	4.9
May	28.191	28.680	27.800	50.2	69.8	71.1	74.2	46.7	60.4	96	34	38	38	39	63	35	33	.235	.244	.248	.58	.34	3.9	4.1	5.1	4.7
June	28.058	28.348	27.481	52.7	66.7	66.0	70.2	48.5	59.4	84	38	48	48	47	84	53	53	.336	.342	.329	4.81	2.59	5.4	6.0	6.4	5.9
July	28.180	28.434	27.720	61.6	75.3	76.8	80.2	58.5	69.4	92	47	58	59	60	88	58	57	.481	.506	.520	5.06	1.64	4.5	4.4	3.5	4.2
August	28.174	28.480	27.897	56.7	73.9	75.3	79.0	54.4	66.7	100	38	52	54	54	84	51	56	.392	.431	.440	2.11	1.11	4.6	3.4	3.5	3.8
September	28.208	28.542	27.750	45.6	63.8	62.8	69.0	43.3	56.2	90	23	40	42	38	81	49	44	.261	.283	.258	1.15	.86	3.5	3.3	4.5	3.9
October	28.240	28.820	27.550	36.2	53.9	49.3	57.7	33.2	45.4	77	8	28	31	33	74	44	56	.169	.178	.198	.19	.15	4.6	3.9	5.4	4.7
November	28.259	28.852	27.500	25.3	40.4	36.2	44.5	20.7	32.6	64	4	22	26	24	86	58	62	.118	.144	.130	.07	.04	4.4	4.6	3.1	4.9
December	28.211	28.727	27.770	18.5	26.8	24.3	32.5	12.5	22.5	48	−12	15	18	18	85	68	75	.090	.099	.101	.24	.14	3.9	4.5	4.7	5.6
Year	28.198	28.940	27.481	35.4	49.7	48.9	54.6	31.7	43.2	100	−34	30	32	32	81	54	57	.204	.221	.222	16.02	2.59	4.4	4.4	4.5	4.6

Annual meteorological summary for the year ending December 31, 1928—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: Thunderstorms	Aurora
	Miles		*Mi.*																									
January	10.8	SW.	47	SW.	5	0	3	6	2	8	15	14	8	0	19	4	8	5	4	5	1	0	1	7	0	18	0	0
February	9.6	SW.	37	W.	5	9	7	0	5	6	19	3	9	0	10	6	13	10	7	4	1	0	3	1	0	17	0	0
March	10.9	SW.	44	W.	2	4	9	3	5	4	16	7	14	0	11	10	10	8	6	6	3	0	2	0	0	8	0	0
April	12.0	SW.	46	SW.	6	3	11	3	2	10	15	6	10	0	9	9	12	12	9	1	0	0	1	0	0	1	0	0
May	7.9	SE.	30	NW.	0	6	10	7	5	13	11	1	9	0	7	12	12	15	12	0	0	0	1	0	0	0	7	0
June	9.1	SW.	28	SW.	0	4	7	5	6	14	15	3	6	0	4	14	12	17	13	0	0	1	1	0	1	0	5	0
July	7.6	SW.	34	NW.	1	5	4	4	0	16	19	3	11	0	16	8	7	11	9	0	0	0	0	0	13	0	10	2
August	7.0	SW.	35	N.	1	7	8	2	7	14	15	3	6	0	11	7	13	11	10	0	0	0	0	0	10	0	10	0
September	8.6	SW.	47	NE.	1	9	11	2	3	8	18	2	6	0	8	6	16	11	10	0	0	0	0	0	1	0	1	0
October	7.6	S.	26	NW.	0	7	3	2	0	22	17	6	5	0	17	5	9	4	2	0	0	0	2	0	0	0	2	0
November	9.2	SW.	38	NW.	2	5	3	0	3	11	22	7	9	0	6	13	11	7	4	4	0	0	0	0	0	3	0	0
December	7.5	SW.	36	W.	2	9	9	1	3	9	18	1	12	0	14	8	9	7	5	2	1	0	1	0	0	13	0	0
Year	9.0	SW.	47	SW.	25	74	85	36	41	135	200	56	105	0	132	102	132	118	91	22	6	1	12	8	25	60	35	2

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	Thunderstorms	Aurora
January	7.4	W.	31	W.	0	0	0	2	3	2	9	7	8	0	4	11	16	11	9	12	4	0	0	11	0	22	1	0
February	6.5	W.	21	W.	0	0	5	5	1	2	6	5	5	0	6	6	17	15	9	18	8	0	0	10	0	24	0	0
March	7.3	W.	26	W.	0	0	5	3	2	6	5	8	8	0	2	11	18	12	9	20	8	0	0	7	0	26	0	0
April	7.3	W.	30	W.	0	2	6	2	3	1	3	9	4	0	8	7	15	15	12	12	5	0	0	0	0	12	0	0
May	4.8	NW.	24	W.	0	1	11	5	1	0	2	5	6	0	5	14	12	8	7	0	0	0	0	0	0	0	5	0
June	4.7	E.	18	SW.	0	1	3	10	2	2	5	4	3	0	6	9	15	18	15	6	0	0	0	0	0	0	7	0
July	4.1	W.	17	W.	0	0	7	5	2	3	4	5	5	0	10	12	9	13	9	0	0	0	0	0	2	0	7	1
August	3.9	E.	20	SW.	0	1	6	7	2	2	5	3	5	0	10	8	13	12	10	0	0	0	0	0	4	0	6	0
September	4.8	NE.	20	SW.	0	0	7	4	3	1	4	6	4	1	6	13	11	10	5	0	0	0	2	0	0	0	1	1
October	4.9	NW.	21	SW.	0	2	4	9	3	0	3	5	4	1	11	5	15	12	7	4	1	0	4	0	0	5	1	0
November	5.4	NW.	30	W.	0	1	6	4	0	1	4	5	9	0	6	4	20	15	9	11	7	0	1	1	0	15	0	0
December	5.1	NW.	22	W.	0	0	3	8	3	0	2	9	6	0	7	6	18	7	1	8	3	0	0	6	0	23	0	0
Year	5.5	W.	31	W.	0	8	63	64	25	14	52	71	67	2	81	106	179	148	103	85	36	0	7	35	6	127	28	2

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	Thunderstorms	Aurora
January	6.3	S.	29	W.	0	10	1	1	4	17	11	4	14	0	11	13	7	7	4	3	1	0	1	4	0	13	0	0
February	6.6	N.	24	SE.	0	14	6	3	9	4	5	5	9	1	14	4	11	7	6	1	0	0	1	0	0	7	1	0
March	7.0	N.	25	S.	0	16	8	4	8	10	3	3	10	0	10	7	14	16	14	1	0	1	0	0	0	1	12	0
April	8.2	S.	28	S.	0	12	3	2	10	15	8	2	7	0	11	6	13	12	10	0	0	0	0	0	0	0	4	0
May	5.8	N.	22	SE.	0	18	7	2	9	7	8	5	6	0	13	8	10	10	7	0	0	1	0	0	0	0	7	0
June	6.6	S.	25	NW.	0	2	1	0	4	26	11	7	7	2	4	16	10	16	16	0	0	0	0	0	3	0	12	0
July	3.8	S.	18	SE.	0	8	3	6	8	12	6	9	10	0	8	15	8	11	8	0	0	0	0	0	13	0	15	0
August	4.4	S.	27	SW.	0	9	10	6	6	15	5	1	8	2	13	12	5	14	11	0	0	0	0	0	21	0	16	0
September	4.1	N.	17	N.	0	18	17	5	7	5	0	2	6	0	15	8	7	3	3	0	0	0	0	0	5	0	3	0
October	6.0	SE.	26	SE.	0	10	5	15	14	7	3	2	6	0	16	7	8	13	10	0	0	0	0	0	0	0	2	0
November	6.4	NW.	22	SE.	0	12	2	3	12	8	2	3	17	1	14	3	13	3	5	0	0	0	1	0	0	4	0	0
December	5.9	N.	34	SE.	1	15	5	8	10	5	3	3	12	1	13	11	7	5	5	0	0	0	0	0	0	11	0	0
Year	5.9	S.	34	SE.	1	144	68	57	101	132	65	46	112	7	142	111	113	119	99	5	1	2	3	4	42	36	72	0

BISMARCK, N. DAK.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	7.5	NW.	38	NW.	2	2	3	5	1	1	3	10	32	5	13	11	7	3	3	8	2	0	0	21	0	28	0	0
February	8.6	NW.	36	NW.	1	9	0	5	3	1	2	7	31	0	12	11	6	2	1	10	2	0	0	13	0	29	0	0
March	8.0	NW.	31	NW.	0	13	8	9	4	4	4	4	16	0	9	14	8	1	1	5	1	0	0	6	0	28	0	0
April	9.3	N.	40	NW.	1	26	3	10	8	3	2	2	11	1	9	14	7	5	3	6	2	0	1	4	0	23	1	0
May	8.2	E.	26	S.	0	12	6	11	11	5	3	4	8	2	18	6	7	6	3	0	0	0	0	0	1	0	1	0
June	7.2	E.	40	NE.	1	12	7	13	8	5	1	1	10	3	10	10	10	16	12	0	0	0	0	0	0	0	6	0
July	6.4	N.	44	NW.	1	13	10	8	8	4	0	3	16	2	18	7	6	10	9	0	0	1	0	0	4	0	10	0
August	7.1	N.	28	NW.	0	18	5	7	11	5	1	4	9	2	15	11	5	12	7	0	0	1	0	0	4	0	10	0
September	7.6	NW.	29	N.	0	15	7	4	7	5	1	3	16	2	14	10	6	6	5	0	0	0	1	0	0	5	5	0
October	7.8	NW.	26	NW.	0	13	7	4	5	8	3	2	18	2	11	14	6	4	1	2	0	0	0	0	0	14	0	1
November	6.6	NW.	35	NW.	1	9	4	4	5	5	6	5	13	4	14	8	8	3	1	4	2	0	0	4	0	28	0	0
December	7.4	NW.	32	NW.	0	6	3	3	6	6	4	2	31	1	10	10	11	8	1	9	7	0	1	12	0	31	0	0
Year	7.6	NW.	44	NW.	7	142	63	81	77	52	30	47	216	24	153	126	87	76	47	44	16	2	3	60	9	T86	33	1

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

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	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	29.909	30.553	28.890	32.3	35.5	34.5	40.4	28.8	34.6	54	14	25	25	27	72	65	74	0.147	0.146	0.155	1.85	0.82	5.7	5.8	4.5	5.3
February	30.007	30.670	29.100	30.0	33.3	32.9	38.2	25.8	32.0	53	6	24	26	26	78	73	74	.144	.153	.149	4.15	1.50	6.2	6.2	3.8	5.4
March	29.827	30.470	29.085	34.8	37.6	36.7	41.6	31.5	36.6	53	20	28	29	29	76	72	74	.162	.168	.166	3.21	.98	5.5	5.6	3.6	5.0
April	29.903	30.500	29.120	42.5	45.6	43.6	49.3	38.5	43.9	60	30	35	37	37	74	71	79	.209	.224	.227	3.97	1.80	6.6	7.5	4.7	5.8
May	29.866	30.326	29.470	51.7	55.1	51.5	58.3	47.0	52.6	67	42	46	46	45	81	73	80	.311	.314	.303	1.40	.49	6.6	6.6	6.1	6.2
June	29.861	30.150	29.550	60.0	63.8	59.3	66.3	56.2	61.2	72	52	56	57	56	88	80	90	.455	.474	.456	4.42	1.02	6.4	6.8	7.2	6.6
July	29.920	30.225	29.680	68.1	72.3	67.2	74.6	63.7	69.2	81	59	64	66	64	88	82	91	.607	.646	.606	3.08	1.41	6.0	6.7	6.2	6.2
August	29.903	30.300	29.610	69.4	73.5	68.9	75.8	65.4	70.6	85	60	66	66	65	88	79	88	.635	.650	.627	2.01	1.41	6.3	6.8	6.7	6.0
September	30.004	30.350	29.660	61.7	64.3	62.5	66.9	57.8	62.4	76	46	54	54	54	78	75	76	.444	.443	.446	7.50	4.09	6.1	6.3	5.3	5.6
October	30.067	30.500	29.460	54.6	58.1	55.0	60.6	50.0	55.3	73	32	46	47	47	75	67	76	.342	.354	.353	1.75	.70	5.1	4.6	3.4	4.4
November	29.940	30.416	29.440	44.7	47.4	46.6	51.1	40.8	46.0	62	24	37	37	38	75	68	71	.237	.273	.242	2.58	1.31	5.1	6.9	5.2	5.9
December	30.036	30.470	29.170	38.0	40.9	39.3	44.1	34.5	39.3	56	21	31	31	31	76	68	72	.182	.180	.182	2.85	1.15	5.6	4.8	4.3	4.7
Year	29.944	30.670	28.890	49.0	52.3	49.8	55.6	45.0	50.3	85	6	43	43	43	79	73	79	.323	.335	.326	38.77	4.09	5.9	6.2	5.1	5.6

BOISE, IDAHO

[ϕ=43° 37′ N.; λ=116° 13′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	27.425	27.850	26.660	25.9	31.7	32.0	35.2	23.5	29.4	44	15	23	25	27	86	76	80	0.122	0.136	0.145	1.96	0.73	4.7	7.4	6.6	7.3
February	27.363	27.660	26.890	27.6	37.9	39.5	42.1	26.0	34.0	51	17	25	26	28	88	63	63	.130	.141	.149	.82	.33	3.6	4.8	4.4	4.5
March	27.186	27.500	26.670	38.2	50.3	52.9	55.1	35.7	45.4	77	25	33	30	30	81	48	44	.190	.168	.170	2.46	.55	6.0	6.8	6.2	6.2
April	27.136	27.600	26.710	40.0	52.4	55.7	58.1	37.7	47.9	80	26	32	28	28	73	40	38	.180	.153	.157	.79	.19	5.8	6.8	6.2	6.1
May	27.126	27.370	26.860	52.8	73.1	77.1	78.6	50.7	64.6	94	31	39	35	33	62	26	21	.246	.213	.201	.01	.01	3.1	3.3	4.1	3.5
June	27.045	27.300	26.680	51.7	70.9	74.9	76.6	50.7	63.6	98	39	42	40	42	71	35	33	.273	.248	.286	.44	.16	3.9	4.5	4.4	4.4
July	27.095	27.310	26.870	61.0	84.9	89.6	91.4	60.0	75.7	105	48	46	45	44	60	26	23	.310	.299	.298	.13	.12	2.7	2.4	3.4	2.7
August	27.137	27.400	26.870	57.3	80.3	85.7	86.7	55.8	71.2	104	48	38	38	38	49	23	19	.230	.231	.228	.02	.02	1.5	1.5	1.6	1.6
September	27.155	27.460	26.830	51.4	73.5	77.3	79.7	48.9	64.3	93	38	37	36	37	59	28	26	.219	.215	.227	.25	.22	2.1	3.2	2.5	2.9
October	27.197	27.490	26.850	43.7	59.7	60.6	64.6	40.9	52.8	79	27	35	34	35	73	40	40	.212	.202	.207	.78	.36	4.6	5.3	5.4	5.1
November	27.304	27.760	26.730	36.3	46.6	46.1	50.4	33.3	41.8	67	21	30	31	31	79	55	57	.167	.173	.174	.76	.38	4.7	6.3	5.9	6.7
December	27.372	27.870	26.730	23.7	32.7	31.6	36.9	19.7	28.3	61	4	18	22	22	80	64	68	.104	.120	.122	1.11	.33	3.7	5.0	5.2	5.1
Year	27.212	27.870	26.660	42.5	57.8	60.2	63.0	40.2	51.6	105	4	33	32	33	72	44	43	.199	.192	.197	9.53	.73	3.9	4.8	4.7	4.7

BOSTON, MASS.

[ϕ=42° 21′ N.; λ=71° 04′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.786	30.470	28.640	30.2	35.4	33.1	39.9	26.0	33.0	58	11	20	23	22	66	60	61	0.123	0.135	0.126	1.66	0.70	4.5	5.6	4.7	5.2
February	29.899	30.590	29.120	26.6	33.2	31.2	37.8	21.3	29.6	54	−1	18	21	19	67	60	61	.112	.128	.117	2.66	.99	5.1	4.9	5.1	4.9
March	29.710	30.330	28.990	33.9	40.3	37.2	44.7	29.4	37.0	70	17	23	26	26	63	58	65	.134	.155	.149	1.56	.56	5.1	5.9	3.6	5.3
April	29.790	30.347	29.225	43.0	50.4	47.7	55.7	37.8	46.8	84	28	33	34	34	68	57	60	.198	.212	.205	4.68	1.34	5.7	6.0	3.2	5.2
May	29.783	30.225	29.375	54.3	59.1	55.3	62.8	47.9	55.4	74	41	43	44	44	68	61	68	.283	.296	.293	3.08	1.23	6.3	6.2	5.5	6.3
June	29.763	30.010	29.400	62.5	68.7	65.3	72.6	57.5	65.0	90	51	54	56	55	76	66	71	.427	.453	.438	5.56	1.65	6.2	5.6	5.7	6.3
July	29.809	30.090	29.560	71.6	77.6	73.0	81.2	65.3	73.2	94	57	62	64	62	74	65	71	.572	.609	.579	4.14	.93	5.0	5.5	5.5	5.3
August	29.895	30.196	29.520	71.6	78.8	73.0	81.0	66.1	73.6	96	58	65	66	65	80	66	78	.617	.638	.631	2.45	.64	5.7	6.0	5.1	6.2
September	29.910	30.220	29.530	58.5	66.9	62.0	69.9	54.9	62.4	85	42	52	54	53	79	65	73	.401	.444	.422	4.47	2.46	6.0	6.2	4.5	6.0
October	29.953	30.399	29.322	52.5	62.3	56.7	65.9	47.3	56.6	88	28	44	45	45	74	54	65	.320	.333	.329	2.88	1.32	4.2	4.3	3.2	4.3
November	29.830	30.270	29.290	41.0	47.6	45.3	52.2	37.3	44.8	76	18	33	35	35	72	61	67	.197	.213	.217	1.85	.66	6.3	6.3	5.4	7.1
December	29.926	30.347	29.030	34.9	40.8	38.8	44.8	32.2	38.5	61	17	28	30	29	75	65	68	.159	.175	.167	2.61	1.20	5.1	4.7	3.0	4.7
Year	29.838	30.590	28.640	48.4	55.1	51.6	59.0	43.6	51.3	96	−1	40	42	41	72	62	67	.295	.316	.306	37.60	2.46	5.4	5.7	4.5	5.6

BROKEN ARROW, OKLA.

[ϕ=36° 02′ N.; λ=95° 49′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.362	29.890	28.700	31.6	44.3	----	50.4	29.4	39.9	73	1	27	29	----	82	56	----	0.159	0.173	----	1.30	1.02	5.4	4.7	----	4.7
February	29.306	29.720	28.770	36.0	46.0	----	51.6	33.1	42.4	67	16	32	33	----	86	63	----	.200	.208	----	2.09	.64	5.6	5.0	----	5.3
March	29.066	29.570	28.580	42.6	56.3	----	62.0	40.6	51.3	84	26	37	38	----	81	54	----	.230	.249	----	2.23	1.10	5.5	6.5	----	5.9
April	29.091	29.530	28.670	48.2	59.7	----	65.6	45.4	55.5	84	27	42	42	----	81	56	----	.290	.296	----	6.55	2.47	6.3	7.3	----	6.6
May	29.135	29.540	28.840	61.5	74.5	----	78.5	58.8	68.6	93	47	55	54	----	80	52	----	.448	.440	----	2.22	1.68	4.9	4.7	----	5.2
June	29.000	29.260	28.630	67.5	75.1	----	79.7	64.7	72.2	87	54	64	66	----	89	74	----	.612	.648	----	5.77	1.16	8.0	7.9	----	7.5
July	29.163	29.334	29.000	73.1	84.3	----	87.2	70.7	79.1	93	65	70	71	----	91	66	----	.743	.761	----	2.80	.84	5.5	5.2	----	4.8
August	29.168	29.340	28.970	72.5	85.0	----	88.3	70.2	79.2	94	60	70	71	----	92	65	----	.738	.770	----	10.11	7.02	4.4	4.6	----	4.3
September	29.231	29.460	28.960	59.3	77.8	----	81.1	57.4	69.2	91	44	55	56	----	87	48	----	.458	.470	----	1.29	.98	3.0	2.8	----	2.6
October	29.224	29.630	28.838	56.3	72.5	----	76.2	54.1	65.2	90	38	53	53	----	89	53	----	.426	.435	----	4.76	1.33	5.2	4.8	----	5.2
November	29.317	29.830	28.810	41.7	52.4	----	56.2	38.1	47.2	75	23	38	39	----	96	65	----	.247	.262	----	2.41	.73	5.8	6.7	----	6.2
December	29.308	29.672	28.830	34.0	46.2	----	49.9	30.8	40.4	72	20	30	32	----	86	60	----	.175	.187	----	1.23	.58	4.4	5.5	----	5.2
Year	29.198	29.890	28.580	52.0	64.5	----	68.9	49.4	59.2	94	1	48	49	----	86	59	----	.393	.408	----	42.76	7.02	5.3	5.5	----	5.2

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

BLOCK ISLAND, R. I.

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

Month	Wind: By self-register: Average hourly velocity	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 53 miles and over	Wind: Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	Precipitation: 0.04 inch and over	Snow: T. or more	Snow: 0.01 inch or more melted	Hail	Dense fog	Maximum temp. 32° or below	Maximum temp. 90° or above	Minimum temperature 32° or below	Electricity: Thunderstorms	Electricity: Aurora
	Miles		*Mi.*																									
January	21.1	W.	58	SW.	16	4	3	1	2	2	16	24	10	0	9	14	8	9	7	9	3	0	0	9	0	18	1	0
February	17.6	W.	56	W.	13	4	3	2	5	3	13	15	13	0	9	10	10	11	9	7	4	0	7	7	0	22	0	0
March	19.2	W.	48	NE.	15	3	5	6	2	2	12	20	12	0	13	8	10	9	7	4	2	0	8	1	0	13	0	0
April	19.2	SW.	54	NE.	13	2	7	1	3	8	19	9	11	0	5	15	10	12	8	3	1	1	4	0	0	3	3	0
May	12.8	SW.	30	NW.	0	10	6	4	4	10	14	7	7	0	5	14	12	11	10	0	0	0	15	0	0	0	2	0
June	13.6	SW.	34	N.	1	3	5	5	2	14	18	7	6	0	5	9	16	13	11	0	0	0	22	0	0	0	3	0
July	13.2	SW.	39	SW.	2	3	3	1	7	12	23	12	1	0	5	13	13	10	8	0	0	0	17	0	0	0	9	2
August	11.2	SW.	37	SW.	1	1	12	3	10	8	16	10	2	0	5	15	11	7	4	0	0	0	14	0	0	0	7	0
September	14.8	W.	52	NE.	4	4	12	3	1	12	13	7	8	0	7	14	9	8	8	0	0	0	7	0	0	0	8	1
October	15.0	S.	38	W.	4	6	2	1	1	22	5	11	14	0	13	12	6	7	6	0	0	0	3	0	0	0	1	1
November	17.6	W.	44	W.	12	5	3	0	2	3	15	15	17	0	6	13	11	10	7	4	1	0	5	0	0	5	0	0
December	16.4	W.	48	W.	10	12	4	2	2	6	4	22	10	0	12	10	9	11	11	1	1	0	3	2	0	10	0	0
Year	16.0	W.	58	W.	91	57	65	29	41	102	168	159	111	0	94	147	125	118	96	28	12	1	105	19	0	71	34	4

BOISE, IDAHO

[H_b=2,739 ft.; h_t=78 ft.; h_r=77 ft.; h_a=86 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	Thunderstorms	Aurora
January	2.7	NW.	14	SE.	0	8	6	2	7	2	2	17	14	4	6	7	18	11	8	12	7	0	9	7	0	30	0	0
February	3.8	W.	18	NW.	0	9	2	3	7	7	0	11	19	0	13	7	9	10	6	9	6	0	7	0	0	28	0	0
March	4.7	SE.	21	W.	0	6	5	6	18	5	1	10	9	2	9	7	15	13	12	8	0	0	0	0	0	7	1	0
April	5.6	SE.	24	W.	0	5	2	6	14	8	1	4	19	1	7	10	13	13	7	7	1	1	0	0	0	5	2	0
May	5.5	SE.	22	SE.	0	4	1	7	20	2	0	14	13	1	17	11	3	1	0	0	0	0	0	0	3	2	4	0
June	5.6	W.	24	N.	0	10	0	1	15	5	0	12	17	0	12	11	7	7	3	0	0	0	0	0	2	0	3	0
July	4.6	W.	25	NE.	0	0	3	3	12	7	1	13	23	0	22	7	2	2	1	0	0	0	0	0	18	0	2	1
August	4.2	NW.	18	N.	0	7	1	4	7	7	0	15	19	2	26	3	2	1	0	0	0	0	0	0	8	0	3	0
September	3.6	SE.	22	W.	0	3	1	6	16	1	0	12	21	0	17	12	1	2	1	0	0	0	0	0	5	0	2	0
October	3.7	SE.	18	NW.	0	7	0	6	15	5	0	9	20	0	11	12	8	9	6	1	0	0	0	0	0	2	0	1
November	4.2	SE.	21	SE.	0	7	2	7	15	5	0	7	15	2	5	10	15	8	5	2	0	0	1	0	0	15	0	0
December	4.0	SE.	24	SE.	0	6	4	7	19	6	0	5	15	0	13	8	10	8	7	9	4	0	0	8	0	27	0	0
Year	4.4	SE.	25	NE.	0	72	27	58	165	60	5	129	204	12	158	105	103	85	56	48	18	1	17	15	36	116	17	2

BOSTON, MASS.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	10.9	SW.	45	SW.	1	4	1	1	3	5	26	17	5	0	10	9	12	11	7	7	5	0	1	10	0	21	0	0
February	9.7	SW.	26	E.	0	3	2	1	3	7	18	10	14	0	9	12	8	9	7	12	3	0	1	10	0	24	0	0
March	10.5	W.	28	SW.	0	5	6	1	3	3	17	20	7	0	8	14	9	9	6	10	4	0	2	0	0	20	0	0
April	10.8	W.	27	SW.	0	2	6	1	2	9	16	14	10	0	11	9	10	11	10	6	2	0	2	0	0	5	2	0
May	7.4	E.	20	NW.	0	8	7	10	4	6	6	7	14	0	8	11	12	8	7	0	0	0	4	0	0	0	1	0
June	8.1	SW	21	S.	0	4	6	11	1	11	12	9	6	0	7	10	13	14	10	0	0	0	3	0	1	0	4	0
July	7.4	SW.	24	NW.	0	5	7	3	6	10	18	9	4	0	11	10	10	11	10	0	0	0	1	0	4	0	3	3
August	6.6	SW.	31	NW.	0	6	9	5	4	7	20	6	4	1	8	9	14	11	10	0	0	0	3	0	9	0	5	0
September	7.5	SW.	24	W.	0	8	7	2	3	11	11	11	7	0	7	14	9	5	4	0	0	0	1	0	0	0	2	1
October	8.1	SW.	25	N.	0	2	0	3	1	14	14	16	12	0	15	10	6	7	6	1	0	0	0	0	0	2	1	1
November	8.6	SW.	32	W.	0	6	4	1	2	2	20	15	10	0	5	7	18	10	6	5	4	0	2	1	0	9	0	0
December	9.0	W.	28	W.	0	4	2	0	5	7	13	24	7	0	15	8	8	11	10	2	2	0	1	2	0	14	0	1
Year	8.7	SW.	45	SW.	1	57	57	39	37	92	191	138	100	1	114	123	120	117	93	43	20	0	21	23	14	95	18	6

BROKEN ARROW, OKLA.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	11.3	S.	46	NW.	1	12	0	1	0	7	5	2	4	0	17	5	9	3	3	0	0	0	2	3	0	18	1	0
February	11.5	S.	39	N.	2	6	2	1	2	8	5	1	3	1	10	6	13	11	5	7	4	0	1	0	0	16	1	0
March	12.1	S.	42	N.	3	6	3	2	4	8	2	2	4	0	9	9	13	7	5	2	1	0	0	0	0	6	3	0
April	14.2	S.	45	NW.	8	4	6	1	5	7	3	1	3	0	5	8	17	8	8	1	0	0	0	0	0	3	8	0
May	11.6	S.	48	S.	3	6	4	2	7	6	2	0	4	0	12	7	12	7	6	0	0	0	0	0	2	0	7	0
June	12.0	S.	52	NW.	7	5	4	1	5	8	2	0	4	0	3	8	19	15	12	0	0	0	1	0	0	0	17	0
July	9.8	S.	32	W.	0	2	5	0	3	11	7	2	0	1	12	10	9	11	9	0	6	0	1	0	9	0	12	1
August	8.4	S.	30	W.	0	3	6	1	4	13	3	1	0	0	16	6	9	7	6	0	0	0	2	0	18	0	8	0
September	9.4	S.	28	S.	0	2	9	2	5	8	4	0	0	0	20	7	3	4	2	0	0	0	0	0	3	0	1	0
October	10.7	S.	37	SW.	2	2	4	0	5	13	3	1	2	0	7	15	9	10	9	0	0	0	0	0	1	0	7	0
November	10.8	S.	33	SW	0	3	3	1	3	11	2	1	5	1	7	9	14	12	9	1	0	0	4	0	0	6	1	0
December	10.8	N.	34	NW.	2	8	2	1	4	6	5	2	3	0	12	7	12	6	4	2	1	0	1	0	0	21	0	0
Year	11.0	S.	32	NW.	28	60	49	13	47	106	43	13	32	3	130	97	139	101	78	13	6	0	12	3	33	70	66	1

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

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	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	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	30.123	30.580	29.790	51.9	63.4	59.5	66.6	50.4	58.5	82	29	47	46	49	86	60	72	0.362	0.356	0.389	1.33	0.70	4.7	5.9	5.1	5.9
February	30.018	30.430	29.640	57.5	66.5	63.8	69.7	55.3	62.5	81	40	55	55	55	90	67	75	.452	.454	.464	1.73	.76	7.7	7.7	7.4	7.7
March	29.862	30.220	29.470	64.7	77.2	71.2	80.5	62.7	71.6	102	39	61	58	60	88	54	70	.566	.516	.555	.16	.15	5.2	4.5	3.5	4.9
April	29.825	30.210	29.430	63.4	74.7	70.0	77.9	60.8	69.4	90	44	58	57	59	84	56	69	.516	.491	.522	1.70	1.60	4.8	4.2	4.4	4.7
May	29.841	30.200	29.580	71.0	82.7	77.3	84.8	68.6	76.7	98	55	66	62	64	85	52	67	.660	.580	.626	6.48	5.29	4.9	4.0	3.8	3.8
June	29.742	29.930	29.481	78.3	86.9	82.5	88.9	76.4	82.6	94	69	75	73	74	90	63	76	.871	.809	.843	2.68	1.41	2.6	3.4	2.3	2.7
July	29.886	30.070	29.730	78.2	89.6	84.4	91.6	76.5	84.0	95	75	75	70	73	89	53	68	.864	.744	.800	.71	.43	2.4	3.3	1.6	2.2
August	29.872	29.990	29.740	77.8	90.7	85.1	93.4	76.8	85.1	98	74	75	70	73	90	51	67	.865	.733	.808	.51	.20	1.7	3.3	2.5	2.6
September	29.834	30.000	29.690	73.9	84.3	80.0	86.6	72.9	79.8	95	66	71	70	72	92	66	79	.771	.746	.798	8.91	3.45	5.5	5.6	5.3	5.3
October	29.924	30.170	29.640	70.9	84.2	77.3	85.6	69.2	77.4	90	55	67	66	68	88	56	74	.690	.652	.705	2.93	1.03	1.9	3.2	1.8	3.2
November	30.046	30.470	29.680	61.9	71.8	67.0	74.5	59.9	67.2	85	48	57	58	60	84	63	78	.488	.504	.537	4.88	3.41	5.6	6.0	4.6	6.1
December	30.071	30.440	29.700	54.9	65.9	61.0	68.7	52.6	60.6	81	36	52	51	54	88	62	78	.412	.410	.440	1.64	.82	5.2	5.9	5.2	5.8
Year	29.920	30.580	29.430	67.0	78.2	73.3	80.7	65.2	73.0	102	29	63	61	63	88	59	73	.626	.583	.624	33.66	5.29	4.4	4.8	4.0	4.6

BUFFALO, N. Y.

[φ=42° 53′ N.; λ=78° 53′ W.]

Month	Monthly mean	Extremes: Maximum	Extremes: Minimum	8 a. m.	Noon, local time	8 p. m.	Maximum	Minimum	Monthly	Extremes: Maximum	Extremes: Minimum	Dew point: 8 a. m.	Dew point: Noon, local time	Dew point: 8 p. m.	Relative humidity: 8 a. m.	Relative humidity: Noon, local time	Relative humidity: 8 p. m.	Vapor pressure: 8 a. m.	Vapor pressure: Noon, local time	Vapor pressure: 8 p. m.	Precipitation: Total	Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.092	29.710	28.120	24.6	26.0	26.6	32.1	20.4	26.2	47	5	21	22	22	85	84	81	0.117	0.124	0.126	3.14	0.70	9.0	8.7	6.6	8.5
February	29.181	29.780	28.550	23.4	26.7	26.6	32.3	18.4	25.4	50	2	19	21	22	83	80	83	.114	.124	.124	2.00	.55	7.1	7.3	6.7	7.1
March	29.046	29.630	28.250	27.6	32.0	31.2	37.0	23.6	30.3	67	10	23	25	26	82	75	81	.129	.141	.150	1.76	.39	7.5	7.2	7.1	7.3
April	29.077	29.500	28.520	37.6	42.2	40.1	47.1	32.0	39.6	78	20	32	34	35	80	75	82	.189	.212	.214	2.10	.55	6.4	5.8	6.6	6.3
May	29.111	29.700	28.730	49.6	53.0	52.8	59.3	44.6	52.0	73	33	45	46	49	85	79	87	.307	.325	.358	1.13	.58	5.1	4.8	5.3	5.4
June	29.028	29.415	28.700	59.3	63.2	62.6	68.4	54.7	61.6	83	44	55	57	58	86	81	86	.437	.472	.492	9.67	2.78	6.5	6.2	6.9	6.3
July	29.133	29.480	28.870	68.1	71.4	70.7	75.0	63.3	69.2	87	53	62	63	65	82	76	82	.569	.587	.614	2.74	1.00	5.7	5.3	4.9	5.3
August	29.193	29.466	28.890	68.7	73.7	72.3	78.2	63.9	71.0	91	55	64	66	65	84	77	80	.596	.643	.630	1.84	.46	5.2	4.6	4.4	4.6
September	29.190	29.540	28.820	56.3	62.4	60.2	66.1	51.8	59.0	77	35	50	50	52	81	66	74	.382	.383	.398	3.07	.74	5.1	4.9	5.2	5.1
October	29.235	29.650	28.830	50.7	54.9	54.1	60.1	46.3	53.2	81	28	46	46	46	82	73	75	.330	.336	.332	2.39	.64	5.2	6.3	5.2	5.8
November	29.139	29.660	28.550	39.3	42.7	42.2	46.6	36.2	41.4	67	18	36	37	37	86	81	82	.219	.231	.229	2.67	.66	8.4	8.0	6.8	8.0
December	29.227	29.560	28.300	32.3	34.5	34.1	38.0	29.0	33.5	51	11	27	28	28	81	78	79	.151	.158	.160	1.87	.81	8.1	7.4	7.8	7.8
Year	29.138	29.780	28.120	44.8	48.6	47.8	53.4	40.4	46.9	91	2	40	41	42	83	77	81	.295	.311	.319	34.38	2.76	6.6	6.4	6.3	6.5

BURLINGTON, VT.

[φ=44° 29′ N.; λ=73° 12′ W.]

Month	Monthly mean	Extremes: Maximum	Extremes: Minimum	8 a. m.	Noon, local time	8 p. m.	Maximum	Minimum	Monthly	Extremes: Maximum	Extremes: Minimum	Dew point: 8 a. m.	Dew point: Noon, local time	Dew point: 8 p. m.	Relative humidity: 8 a. m.	Relative humidity: Noon, local time	Relative humidity: 8 p. m.	Vapor pressure: 8 a. m.	Vapor pressure: Noon, local time	Vapor pressure: 8 p. m.	Precipitation: Total	Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.436	30.240	28.220	18.9	23.0	----	29.3	13.8	21.6	45	−7	13	15	----	76	70	----	0.091	0.096	----	1.72	0.60	8.2	8.2	----	8.6
February	29.580	30.310	28.950	16.6	20.6	----	27.6	11.9	19.8	44	−8	12	15	----	81	79	----	.086	.096	----	1.52	.42	6.3	6.8	----	6.8
March	29.383	29.970	28.650	25.2	29.6	----	35.3	19.8	27.6	64	3	20	21	----	80	70	----	.118	.118	----	2.22	.79	7.6	7.2	----	7.2
April	29.460	29.960	28.900	37.9	42.9	----	47.8	31.8	39.8	77	16	31	31	----	75	64	----	.181	.197	----	2.07	.45	7.6	7.8	----	7.4
May	29.478	30.006	29.090	52.1	59.2	----	63.3	44.8	54.0	77	31	45	46	----	77	63	----	.307	.320	----	3.40	.87	6.3	7.3	----	6.9
June	29.434	29.760	28.990	61.3	66.2	----	70.7	53.8	62.2	82	43	54	54	----	77	67	----	.425	.431	----	3.14	.66	7.2	7.4	----	7.4
July	29.492	29.753	29.220	68.5	75.0	----	79.4	60.1	69.8	91	49	60	61	----	75	64	----	.534	.551	----	2.36	1.06	5.7	5.7	----	5.7
August	29.575	29.896	29.240	68.2	74.8	----	79.1	61.2	70.2	90	47	63	63	----	84	68	----	.582	.583	----	2.81	.66	6.5	5.8	----	6.0
September	29.582	29.950	29.250	53.7	61.5	----	65.3	46.6	56.0	82	32	48	48	----	80	63	----	.340	.357	----	2.52	1.14	6.2	6.8	----	6.7
October	29.618	30.040	29.150	46.6	53.4	----	58.6	40.7	49.6	83	23	39	40	----	75	61	----	.261	.272	----	2.45	.94	6.8	6.0	----	6.8
November	29.528	29.918	28.890	34.2	39.4	----	43.3	29.4	36.4	65	13	28	30	----	79	69	----	.165	.177	----	2.37	.93	8.0	7.7	----	7.8
December	29.596	29.995	28.640	27.7	32.1	----	35.8	24.5	30.2	54	8	22	23	----	79	68	----	.123	.127	----	.31	.17	8.8	6.6	----	7.9
Year	29.514	30.310	28.220	42.6	48.1	----	53.0	36.5	44.8	91	−8	36	37	----	78	67	----	.268	.276	----	26.82	1.14	7.1	6.9	----	7.1

CAIRO, ILL.

[φ=37° 00′ N.; λ=89° 10′ W.]

Month	Monthly mean	Extremes: Maximum	Extremes: Minimum	8 a. m.	Noon, local time	8 p. m.	Maximum	Minimum	Monthly	Extremes: Maximum	Extremes: Minimum	Dew point: 8 a. m.	Dew point: Noon, local time	Dew point: 8 p. m.	Relative humidity: 8 a. m.	Relative humidity: Noon, local time	Relative humidity: 8 p. m.	Vapor pressure: 8 a. m.	Vapor pressure: Noon, local time	Vapor pressure: 8 p. m.	Precipitation: Total	Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.816	30.330	29.020	31.9	38.7	38.0	44.4	28.9	36.6	70	−2	26	27	26	78	63	63	0.167	0.171	0.170	1.65	0.65	4.9	5.9	4.6	5.4
February	29.766	30.160	29.250	35.8	42.4	42.3	47.7	32.4	40.0	67	13	30	29	30	78	61	62	.180	.191	.179	2.58	.83	6.1	5.9	5.4	5.9
March	29.625	30.040	29.060	41.3	51.2	50.9	57.0	38.1	47.6	79	24	35	37	35	79	60	58	.223	.237	.218	1.23	.65	6.4	6.3	6.5	6.4
April	29.584	29.990	29.130	48.1	57.1	57.1	62.7	45.2	54.0	79	32	39	39	41	71	53	57	.248	.255	.269	5.76	2.47	6.0	7.0	6.3	6.3
May	29.589	29.950	29.190	61.0	70.7	71.4	76.2	57.6	66.9	88	47	52	51	52	74	54	53	.406	.403	.410	1.75	.39	5.1	5.6	5.5	5.5
June	29.493	29.755	29.220	66.8	73.5	73.7	78.2	63.3	70.8	87	55	62	61	63	87	68	71	.576	.555	.585	15.79	4.42	7.9	8.1	6.8	7.7
July	29.629	29.890	29.490	74.7	84.8	83.0	88.1	72.2	80.2	94	62	69	67	68	82	56	62	.708	.675	.709	1.43	.92	5.0	5.7	5.3	5.3
August	29.640	29.840	29.430	73.1	83.2	80.9	86.5	70.9	78.7	93	63	70	70	71	88	66	73	.725	.746	.760	3.96	.92	5.0	6.7	5.9	6.0
September	29.687	29.880	29.460	60.1	74.0	71.4	77.6	58.3	68.2	90	43	53	51	54	79	45	55	.434	.405	.448	.14	.14	3.0	3.6	2.6	4.3
October	29.723	30.000	29.420	56.8	68.6	65.5	72.1	54.7	63.4	88	38	52	51	52	84	58	64	.412	.421	.429	5.13	1.59	5.0	5.2	4.4	4.9
November	29.779	30.220	29.410	43.9	50.6	49.5	55.0	40.4	47.7	70	25	37	37	38	78	62	65	.240	.242	.243	3.30	1.90	6.1	6.7	5.7	6.1
December	29.769	30.150	29.230	35.4	43.4	43.1	48.6	32.6	40.6	67	21	30	32	32	82	65	66	.179	.189	.188	3.28	1.32	4.1	4.6	4.5	4.6
Year	29.675	30.330	29.020	52.4	61.5	60.6	66.2	49.6	57.9	94	−2	46	46	47	80	59	62	.375	.379	.384	45.88	4.42	5.4	5.9	5.2	5.6

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

BROWNSVILLE, TEX.

[H_b=57 ft.; h_t=53 ft.; h_r=45 ft.; h_a=61 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: Thunderstorms	Electricity: Aurora
	Miles		*Mi.*																									
January	7.5	S.	25	N.	0	16	5	1	6	23	0	1	10	0	9	7	15	7	6	0	0	0	6	0	0	2	0	0
February	7.0	SE.	23	N.	0	12	10	2	19	11	0	0	4	0	2	9	18	10	9	0	0	0	4	0	0	0	0	0
March	8.1	S.	27	N.	0	7	3	1	20	30	0	0	1	0	10	12	9	2	1	0	0	0	5	0	3	0	0	0
April	10.1	S.	29	N.	0	7	4	5	16	24	1	1	2	0	11	12	7	7	3	0	0	1	0	0	0	0	2	0
May	7.5	SE.	19	N.	0	4	3	8	36	6	2	1	1	1	15	11	5	8	4	0	0	0	0	0	5	0	7	0
June	9.6	S.	23	S.	0	1	2	2	32	22	1	0	0	0	19	11	0	5	3	0	0	0	0	0	9	0	2	0
July	7.2	SE.	21	SE.	0	2	2	3	48	7	0	0	0	0	23	7	1	4	3	0	0	0	0	0	28	0	1	0
August	6.1	SE.	18	SE.	0	3	3	5	43	2	1	1	0	4	21	9	1	6	4	0	0	0	0	0	29	0	3	0
September	6.0	N.	19	NW.	0	15	10	6	13	4	0	3	9	0	10	8	12	16	14	0	0	0	1	0	12	0	2	0
October	5.3	SE.	19	W.	0	9	8	11	25	4	1	0	2	2	19	11	1	6	5	0	0	0	0	0	1	0	3	0
November	6.4	N.	24	N.	0	20	9	8	11	4	0	0	8	0	7	14	9	7	5	0	0	0	3	0	0	0	1	0
December	6.4	N.	25	N.	0	17	12	4	12	6	0	1	10	0	9	8	14	9	5	0	0	0	2	0	0	0	1	0
Year	7.3	SE.	29	N.	0	113	71	56	281	143	6	8	47	7	155	119	92	87	62	0	0	1	21	0	87	2	22	0

BUFFALO, N. Y.

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

Month	Wind: By self-register: Average hourly velocity	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: Thunderstorms	Electricity: Aurora
January	23.0	SW.	62	W.	22	2	0	1	5	2	26	22	4	0	0	7	24	20	14	22	12	0	2	12	0	25	0	0
February	17.6	SW.	54	SW.	12	0	3	5	8	2	18	17	5	0	4	9	16	18	12	20	14	0	2	15	0	27	0	0
March	18.6	W.	68	SW.	15	4	5	3	3	3	15	23	6	0	5	8	18	18	10	20	15	0	1	15	0	25	3	0
April	17.3	SW.	70	SW.	11	2	5	5	3	1	26	13	5	0	6	12	12	16	9	10	5	0	1	3	0	20	1	0
May	10.6	SW.	42	W.	2	2	4	7	5	2	26	10	6	0	14	4	13	6	4	0	0	0	2	0	0	0	3	0
June	12.0	SW.	36	SW.	3	1	5	9	8	5	20	10	2	0	6	12	12	18	16	0	0	0	0	0	0	0	6	0
July	12.3	SW.	50	W.	5	3	4	7	2	1	28	12	5	0	11	11	9	10	7	0	0	0	0	0	0	0	4	1
August	10.9	SW.	48	W.	4	3	9	9	5	4	19	8	5	0	14	12	5	11	7	0	0	0	0	0	1	0	8	1
September	14.6	SW.	44	W.	10	3	7	5	6	4	18	9	8	0	8	17	5	14	11	0	0	4	0	0	0	0	6	0
October	14.9	SW.	50	W.	9	2	2	2	10	9	15	9	13	0	9	10	12	14	10	3	1	0	0	0	0	3	8	0
November	17.2	SW.	58	W.	13	3	3	4	7	2	16	13	12	0	2	7	21	15	11	8	5	0	0	1	0	10	1	0
December	16.1	W.	58	W.	13	0	2	3	10	6	12	26	3	0	3	7	21	16	8	11	8	0	0	8	0	17	0	0
Year	15.4	SW.	70	SW.	119	25	49	60	72	41	239	172	74	0	82	116	168	176	119	94	60	4	8	54	1	127	35	2

BURLINGTON, VT.

[H_b=403 ft.; h_t=11 ft.; h_r=3 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	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: Thunderstorms	Electricity: Aurora
January	11.2	S.	32	S.	0	3	1	2	1	10	4	1	9	0	2	6	23	14	9	17	8	0	0	16	0	27	0	0
February	10.5	S.	38	S.	3	8	2	1	2	9	3	0	4	0	7	8	14	14	8	16	9	0	1	20	0	29	0	0
March	10.2	NW.	40	SW.	2	6	1	0	1	8	3	2	10	0	6	7	18	14	10	17	12	0	1	13	0	28	0	0
April	10.6	NW.	54	S.	2	2	1	0	4	8	3	4	8	0	8	7	20	12	11	12	3	0	0	0	0	13	1	0
May	7.6	S.	28	S.	0	6	2	1	2	10	6	1	3	0	4	11	16	19	16	0	0	0	1	0	0	1	6	0
June	7.8	S.	31	S.	0	1	0	1	2	13	6	0	5	2	2	11	17	15	11	0	0	0	0	0	0	0	6	0
July	7.2	S.	28	S.	0	5	2	1	2	14	1	1	3	2	8	12	11	13	8	0	0	0	0	0	1	0	6	2
August	7.0	S.	27	S.	0	2	2	1	2	16	1	1	3	3	6	13	12	17	14	0	0	0	1	0	1	0	8	0
September	8.2	S.	33	SE.	2	3	1	4	2	14	2	0	4	0	6	9	15	13	11	0	0	1	1	0	0	1	3	1
October	10.5	S.	44	S.	4	1	1	1	2	12	4	0	10	0	7	7	17	10	8	2	0	0	0	0	0	8	9	0
November	9.2	S.	35	NW.	2	4	3	3	3	6	5	0	6	0	3	7	20	15	10	11	6	0	1	3	0	20	0	1
December	9.6	S.	35	S.	1	5	1	2	2	12	3	0	6	0	3	6	22	6	2	11	1	0	0	9	0	25	0	0
Year	9.1	S.	54	S.	16	46	17	17	25	132	41	10	71	7	57	104	205	162	118	86	39	1	6	61	2	152	30	4

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	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: Thunderstorms	Electricity: Aurora
January	8.8	S.	39	SW.	1	10	3	0	5	25	4	6	8	1	11	10	10	8	6	5	0	1	3	5	0	18	2	0
February	8.9	S.	28	NW.	0	8	5	6	8	11	8	6	6	0	10	5	14	11	9	4	2	0	2	3	0	13	2	0
March	9.4	S.	33	NW.	1	13	7	3	7	18	8	5	6	0	7	8	16	7	4	3	1	0	1	0	0	8	5	0
April	10.9	S.	33	SW.	1	10	11	4	4	16	10	1	4	0	8	7	15	13	8	0	0	0	0	0	0	1	7	0
May	7.9	N.	27	SW.	0	14	10	3	6	15	7	2	5	0	10	7	14	12	10	0	0	0	1	0	0	0	8	0
June	7.6	S.	28	S.	0	9	8	2	6	14	16	3	2	0	1	12	17	19	15	0	0	0	0	0	0	0	14	0
July	5.2	SW.	27	NW.	0	9	4	5	4	20	9	3	8	0	8	17	6	6	4	0	0	0	0	0	10	0	10	1
August	5.5	S.	34	NW.	1	14	8	5	5	16	7	4	3	0	8	11	12	10	9	0	0	0	0	0	10	0	10	0
September	6.4	S.	25	N.	0	17	15	1	1	17	5	2	2	0	17	10	3	1	1	0	0	0	0	0	1	0	1	0
October	6.3	S.	20	SE.	0	8	11	5	7	16	7	2	5	1	13	8	10	8	8	0	0	0	0	0	0	0	5	0
November	8.5	S.	32	SW.	0	9	2	4	7	14	10	6	8	0	9	6	15	12	10	0	0	0	1	0	0	5	0	0
December	7.4	S.	29	S.	0	7	6	8	8	11	11	4	7	0	14	7	10	8	7	2	0	0	0	0	0	15	0	0
Year	7.7	S.	39	SW.	4	128	90	46	68	188	102	44	64	2	116	108	142	115	91	14	3	1	8	8	21	60	64	1

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

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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.404	30.150	28.253	16.8	20.4	----	26.8	9.7	18.2	43	−14	14	16	----	89	80	----	0.098	0.100	----	2.67	0.75	7.7	6.7	----	7.5
February	29.535	30.260	28.890	14.5	21.5	----	26.4	7.4	16.9	41	−11	12	16	----	88	79	----	.084	.098	----	2.45	.68	5.8	5.0	----	5.6
March	29.353	29.960	28.510	24.3	30.4	----	33.6	18.5	26.0	63	−1	20	23	----	84	72	----	.118	.131	----	3.00	.68	7.3	5.3	----	5.7
April	29.404	29.890	28.830	36.9	43.0	39.9	48.4	30.3	39.4	78	19	31	32	----	78	67	----	.182	.190	----	2.80	.62	6.1	6.3	----	6.2
May	29.427	30.010	29.023	52.1	60.5	54.4	63.5	43.0	53.2	85	28	44	47	----	74	62	----	.295	.336	----	1.51	.41	5.3	5.4	----	5.5
June	29.378	29.742	28.960	60.2	67.0	63.0	70.7	52.1	61.4	85	39	52	53	----	75	63	----	.398	.412	----	4.21	1.77	5.7	5.3	----	5.2
July	29.447	29.730	29.170	67.1	75.1	68.9	78.5	59.4	69.0	93	47	60	61	----	78	64	----	.522	.554	----	3.30	.89	5.0	4.3	----	3.8
August	29.533	29.839	29.230	66.4	75.5	69.6	79.5	59.6	69.6	91	46	62	62	----	84	66	----	.554	.575	----	3.23	.68	6.8	5.0	----	5.4
September	29.534	29.900	29.120	53.6	61.7	53.4	64.2	45.4	54.8	78	34	48	49	----	81	65	----	.343	.362	----	2.36	1.26	6.1	5.3	----	5.0
October	29.570	30.010	29.116	46.4	54.3	48.6	57.8	39.3	48.6	78	15	41	44	----	82	68	----	.277	.306	----	3.89	1.13	5.9	5.5	----	5.4
November	29.480	29.910	28.860	33.3	39.1	36.1	42.6	29.3	36.0	65	15	29	32	----	85	75	----	.169	.190	----	3.83	.91	7.6	6.9	----	7.4
December	29.569	29.990	28.530	26.4	32.1	29.1	34.6	22.7	28.6	51	3	23	25	----	87	76	----	.131	.141	----	1.22	.29	8.2	7.1	----	7.5
Year	29.470	30.260	28.253	41.5	48.4	----	52.2	34.7	43.5	93	−14	36	38	----	82	70	----	.264	.283	----	34.47	1.77	6.5	5.7	----	5.8

CAPE HENRY, VA.

[ϕ=36° 56′ N.; λ=76° 00′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	30.074	30.530	29.300	36.5	44.8	41.5	50.1	32.3	41.2	72	17	26	28	29	70	54	61	0.162	0.172	0.178	1.93	0.60	5.0	4.5	3.7	4.6
February	30.077	30.548	29.330	40.4	46.0	43.8	50.5	36.2	43.4	67	23	33	33	34	76	62	70	.207	.204	.211	3.31	1.24	4.9	4.9	4.8	5.3
March	29.921	30.480	29.200	45.7	52.4	48.1	56.4	39.7	48.0	86	31	36	36	37	70	57	68	.232	.230	.235	2.65	1.01	4.9	5.2	4.0	5.4
April	29.965	30.500	29.210	53.4	59.7	56.7	65.3	46.7	56.0	84	35	43	42	45	69	56	68	.293	.286	.319	3.80	1.18	4.9	4.7	4.4	4.9
May	29.892	30.470	29.540	61.4	66.4	62.2	70.5	55.5	63.0	89	47	53	54	54	76	66	76	.417	.423	.428	3.10	.72	5.9	5.3	5.7	5.4
June	29.891	30.136	29.600	71.4	77.7	72.1	80.4	65.6	73.0	92	55	65	65	65	81	66	79	.621	.620	.620	7.05	1.92	6.4	5.4	6.3	6.2
July	29.970	30.266	29.700	77.3	82.7	75.7	85.0	70.0	77.5	97	62	70	70	69	79	67	80	.742	.752	.713	5.94	2.11	4.5	3.1	3.9	4.2
August	30.000	30.250	29.550	77.2	83.4	76.9	85.9	70.6	78.2	96	59	71	71	70	80	68	81	.756	.768	.749	2.64	1.67	4.6	4.1	4.2	4.5
September	29.996	30.310	29.440	69.8	72.9	68.5	75.5	63.8	69.6	83	48	64	65	63	82	78	84	.616	.637	.599	8.90	3.01	6.1	5.9	5.4	5.9
October	30.133	30.500	29.670	62.4	68.2	63.7	70.5	57.8	64.2	85	44	54	54	56	76	61	76	.449	.437	.467	.97	.34	4.1	4.0	3.9	3.9
November	30.069	30.530	29.570	49.8	57.8	53.6	60.2	45.9	53.0	80	28	42	42	42	77	57	65	.296	.293	.290	1.47	.78	5.2	5.1	4.5	5.3
December	30.110	30.470	29.470	42.2	46.1	43.1	48.9	37.4	43.2	66	29	36	37	36	79	71	77	.218	.228	.221	3.98	1.17	5.9	5.6	4.7	5.7
Year	30.008	30.548	29.200	57.3	63.2	58.8	66.6	51.8	59.2	97	17	50	50	50	76	64	74	.417	.421	.419	45.74	3.01	5.2	4.8	4.6	5.1

CHARLES CITY, IOWA

[ϕ=43° 04′ N.; λ=92° 38′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	28.979	29.510	28.320	16.7	25.5	22.6	29.1	12.9	21.0	48	−17	14	18	18	88	70	83	0.094	0.108	0.112	0.27	0.08	4.8	4.2	4.9	4.6
February	28.977	29.370	28.560	21.4	29.2	26.8	32.2	18.1	25.2	50	1	19	20	21	89	69	77	.111	.118	.120	2.68	.87	4.3	4.1	5.0	4.7
March	28.892	29.320	28.350	28.8	39.8	38.1	44.7	25.3	35.0	78	7	24	26	27	80	57	64	.130	.146	.157	1.34	.87	3.5	4.3	5.0	4.4
April	28.834	29.275	28.300	35.4	46.8	45.4	50.9	31.3	41.1	74	15	29	30	31	77	54	59	.166	.173	.188	2.81	1.05	4.8	5.4	5.6	5.1
May	28.899	29.379	28.560	55.0	69.1	67.1	72.5	48.5	60.5	90	34	42	41	42	64	39	42	.286	.279	.285	2.44	1.46	3.1	3.3	3.6	3.0
June	28.766	29.112	28.360	58.6	70.0	67.7	73.1	52.6	62.8	84	41	51	50	49	76	52	55	.381	.379	.370	2.85	.94	5.9	5.8	5.7	5.7
July	28.910	29.182	28.638	67.8	79.6	77.1	83.2	62.3	72.8	92	49	62	62	64	82	56	64	.567	.563	.600	3.94	1.03	3.1	3.6	2.7	3.3
August	28.929	29.270	28.470	64.5	77.5	73.2	80.3	59.9	70.1	92	44	60	61	63	86	59	71	.530	.560	.586	12.78	3.70	3.9	3.7	3.7	3.4
September	28.951	29.280	28.550	50.9	66.6	60.2	69.0	47.1	58.0	87	32	47	47	49	87	50	68	.345	.346	.377	2.01	1.03	3.6	2.4	2.9	3.1
October	28.963	29.510	28.420	45.1	58.3	52.0	61.5	40.7	51.1	87	21	41	42	43	86	58	72	.279	.297	.294	3.33	1.41	5.5	4.7	4.5	4.8
November	28.984	29.550	28.360	32.7	39.6	36.8	42.7	29.9	36.3	60	16	29	31	31	84	72	80	.161	.178	.176	3.47	.82	6.2	5.9	5.3	6.1
December	28.984	29.420	28.370	22.7	29.3	27.2	33.3	19.3	26.3	46	1	20	22	23	90	75	83	.115	.128	.129	1.13	.63	7.4	6.0	6.4	6.5
Year	28.922	29.550	28.300	41.6	52.6	49.5	56.0	37.3	46.7	92	−17	36	38	38	82	59	68	.264	.273	.283	39.05	3.70	4.7	4.4	4.6	4.6

CHARLESTON, S. C.

[ϕ=32° 47′ N.; λ=79° 56′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	30.150	30.600	29.647	42.4	54.0	48.7	57.6	40.1	48.8	79	18	33	34	36	69	49	64	0.216	0.232	0.249	0.43	0.33	4.7	4.7	3.5	4.6
February	30.093	30.440	29.580	47.1	55.1	51.2	59.2	44.2	51.7	78	26	41	41	44	80	61	77	.279	.280	.303	7.44	2.57	5.3	6.8	4.7	6.2
March	29.948	30.330	29.398	54.2	60.5	58.0	64.4	50.4	57.4	77	40	47	47	47	77	64	70	.344	.344	.344	3.06	1.10	5.3	5.8	3.9	5.3
April	29.973	30.400	29.353	62.4	69.3	63.2	71.6	56.4	64.0	83	43	53	53	56	72	60	77	.425	.433	.461	2.54	.94	4.4	4.9	4.1	4.7
May	29.892	30.360	29.510	68.7	75.1	69.5	78.0	64.0	71.0	89	59	60	61	73	62	76	82	.520	.538	.555	1.05	.67	5.0	5.3	4.7	5.1
June	29.937	30.090	29.800	78.7	84.0	77.4	86.5	72.7	79.6	100	63	69	69	70	72	62	79	.710	.721	.748	2.75	1.04	5.5	5.3	5.9	5.5
July	29.992	30.170	29.840	80.2	84.6	79.5	87.3	74.8	81.0	94	70	73	72	74	80	68	82	.822	.801	.828	5.10	1.48	5.5	6.2	4.8	5.7
August	30.005	30.160	29.650	81.2	85.7	81.4	87.5	76.5	82.0	93	72	76	75	76	85	70	84	.902	.852	.900	2.82	1.30	5.5	7.1	4.2	5.9
September	29.944	30.160	28.880	74.1	80.1	75.1	82.0	69.5	75.8	92	58	70	68	72	88	76	80	.755	.686	.778	14.30	7.98	5.6	7.1	5.5	6.6
October	30.091	30.390	29.750	67.7	75.1	69.9	76.5	64.4	70.4	86	46	62	63	66	82	67	80	.587	.605	.670	1.07	.58	3.7	5.0	3.5	4.3
November	30.117	30.490	29.750	52.5	63.2	58.1	65.4	49.7	57.6	80	32	44	48	47	75	59	69	.327	.370	.366	1.03	.66	4.4	4.5	4.0	4.1
December	30.103	30.370	29.720	47.6	56.3	52.9	59.2	45.4	52.3	73	34	40	42	42	76	60	68	.270	.286	.286	1.09	.49	5.8	5.5	6.5	5.8
Year	30.020	30.600	28.880	63.1	70.2	65.4	72.9	59.0	66.0	100	18	56	56	58	77	63	77	.513	.518	.541	42.76	7.98	5.1	5.7	4.6	5.3

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

CANTON, N. Y.

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

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	No. of 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: Thunderstorms	Aurora
	Miles		*Mi.*																									
January	11.6	W.	50	SW.	5	1	2	3	0	0	9	9	7	0	4	7	20	21	14	22	16	0	1	14	0	26	0	1
February	9.2	W.	31	SW.	0	6	2	2	1	1	11	5	1	0	12	7	10	18	14	18	14	0	0	19	0	28	0	0
March	10.3	W.	40	SW.	2	3	1	4	2	2	5	9	5	0	11	6	14	17	13	17	13	0	0	16	0	28	2	0
April	11.3	W.	41	SW.	8	1	1	7	1	3	5	7	5	0	10	8	12	14	12	11	7	1	0	1	0	18	2	2
May	7.0	W.	36	SW.	1	3	2	7	1	1	8	7	2	0	10	12	9	17	9	0	0	0	0	0	0	2	2	0
June	7.5	SW.	27	SW.	0	1	4	4	1	5	8	5	2	0	13	7	10	13	12	0	0	0	0	0	0	0	1	0
July	7.0	SW.	26	SW.	0	0	3	6	1	3	13	5	0	0	18	8	5	16	13	0	0	0	0	0	1	0	10	1
August	6.2	SW.	26	W.	0	3	3	2	2	5	8	7	1	0	9	12	10	13	11	0	0	0	0	0	1	0	6	2
September	7.9	SW.	30	W.	0	3	1	3	1	6	10	5	1	0	10	12	8	14	11	0	0	1	0	0	0	0	5	2
October	8.7	SW.	34	SW.	1	1	1	3	0	4	13	5	4	0	11	9	11	13	11	3	1	0	1	1	0	11	1	1
November	8.7	W.	39	NW.	2	6	2	4	0	0	8	5	5	0	5	7	18	16	10	12	8	0	1	4	0	19	0	2
December	8.6	SW.	34	W.	1	0	2	4	3	2	12	6	2	0	6	4	21	11	10	15	5	0	0	10	0	27	0	1
Year	8.7	SW.	50	SW.	20	28	24	49	13	32	110	75	35	0	119	99	148	183	140	98	64	2	3	65	2	159	29	12

CAPE HENRY, VA.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	No. of 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	Thunderstorms	Aurora
January	12.1	SW.	38	NW.	4	6	4	3	4	6	20	9	10	0	16	3	12	6	6	2	1	0	2	4	0	14	1	0
February	11.4	SW.	35	NW.	1	4	10	3	7	6	17	7	4	0	11	6	12	12	10	1	1	0	1	1	0	6	0	0
March	11.9	SW.	37	E.	4	8	9	8	7	5	10	11	4	0	10	14	7	8	5	0	0	0	4	0	0	3	0	0
April	13.1	SW.	38	NW.	6	4	8	4	7	11	16	5	5	0	13	6	11	10	8	0	0	0	3	0	0	0	1	0
May	11.1	SW.	45	NE.	2	9	8	5	8	10	14	4	4	0	9	12	10	9	9	0	0	0	2	0	0	0	4	0
June	9.6	SW.	43	NW.	1	1	5	6	9	11	22	0	6	0	4	17	9	16	14	0	0	0	2	0	1	0	12	0
July	8.0	SW.	32	NW.	0	3	3	2	10	12	23	3	6	0	17	7	7	11	10	0	0	0	1	0	5	0	14	1
August	8.2	SW.	33	NW.	1	2	5	4	12	14	18	5	2	0	15	11	5	9	7	0	0	1	0	0	6	0	6	1
September	10.8	SE.	62	NE.	3	11	11	4	10	8	11	0	5	0	9	9	12	14	13	0	0	0	1	0	0	0	3	0
October	11.1	NE.	40	NW.	3	7	14	7	7	9	12	3	3	0	15	9	7	5	4	0	0	0	1	0	0	0	2	0
November	13.4	SW.	47	NW.	8	9	5	0	2	6	24	2	12	0	11	9	10	10	6	0	0	0	3	0	0	4	1	0
December	12.2	N.	43	N.	2	15	14	4	5	6	7	4	7	0	12	7	12	13	10	3	1	0	1	0	0	5	0	0
Year	11.1	SW.	62	NE.	35	79	96	50	68	104	194	53	68	0	142	110	114	123	102	6	3	1	21	5	12	32	44	2

CHARLES CITY, IOWA

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	No. of 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	Thunderstorms	Aurora
January	6.8	W.	29	NW.	0	4	3	0	10	4	6	16	19	0	10	14	7	7	4	8	5	0	0	16	0	30	0	0
February	7.2	NW.	28	W.	0	7	4	2	10	5	5	12	13	0	13	5	11	8	8	11	7	0	1	11	0	27	0	0
March	6.5	NW.	31	NW.	0	14	6	2	12	5	2	10	11	0	15	7	9	6	4	7	3	0	1	3	0	27	1	0
April	8.5	NW.	26	S.	0	14	4	0	14	5	1	4	17	1	11	10	9	10	8	7	4	0	0	2	0	18	2	0
May	5.8	NW.	27	SW.	0	18	2	1	13	9	1	5	13	0	20	8	3	8	6	0	0	0	0	0	1	0	6	0
June	5.6	NW.	22	SW.	0	16	4	3	10	6	3	6	12	0	6	13	11	10	10	0	0	0	0	0	0	0	7	0
July	4.3	SE.	18	S.	0	15	1	0	18	10	7	8	3	0	16	11	4	10	9	0	0	0	0	0	3	0	9	0
August	4.9	SE.	23	SW.	0	12	0	3	22	9	4	4	8	0	20	3	8	10	10	0	0	0	0	0	3	0	7	0
September	5.4	SE.	19	W.	0	1	0	0	23	7	7	11	11	0	18	9	3	9	7	0	0	0	1	0	0	2	8	0
October	5.7	SE.	23	SW	0	4	1	0	21	5	2	8	18	3	14	5	12	8	5	0	0	0	0	0	0	6	2	0
November	6.9	NW.	27	SW.	0	8	9	1	9	8	6	4	15	0	13	2	15	8	7	8	5	0	0	4	0	19	2	0
December	6.3	NW.	21	NW.	0	2	2	2	19	9	4	6	18	0	8	6	17	3	2	8	0	0	0	13	0	27	0	0
Year	6.2	NW.	31	NW.	0	115	36	14	181	82	48	94	158	4	164	93	109	97	80	49	24	0	3	49	7	156	44	0

CHARLESTON, S. C.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	No. of 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	Thunderstorms	Aurora
January	8.6	SW.	30	SW.	0	9	1	3	1	2	20	12	14	0	12	12	7	3	2	0	0	0	0	2	0	9	0	0
February	9.1	W.	36	W.	1	6	9	11	1	3	12	10	6	0	9	5	15	13	11	0	0	0	2	0	0	2	1	0
March	9.3	SW.	27	E.	0	5	13	3	3	1	18	8	11	0	10	11	10	11	10	0	0	0	3	0	0	0	4	0
April	11.1	SW.	42	SW.	1	4	5	8	8	6	16	9	4	0	14	8	8	9	8	0	0	0	0	0	0	0	3	0
May	9.9	SW.	30	E.	0	10	4	8	4	7	13	11	5	0	10	14	7	9	4	0	0	0	1	0	0	0	3	0
June	9.6	SW.	24	NW.	0	2	3	3	1	15	25	7	3	1	8	11	11	11	10	0	0	0	0	0	6	0	13	0
July	8.5	SW.	27	N.	0	3	3	2	5	11	20	13	4	1	10	10	11	9	9	0	0	0	0	0	11	0	5	0
August	8.9	SW.	36	S.	2	2	8	12	5	9	16	9	0	1	4	16	9	11	8	0	0	0	0	0	6	0	9	0
September	9.0	NE.	59	E.	1	4	17	11	4	5	9	6	4	0	4	12	14	17	12	0	0	0	0	0	2	0	8	0
October	9.6	NE.	25	N.	0	9	27	8	4	4	3	3	3	1	11	18	2	3	3	0	0	0	2	0	0	0	2	0
November	8.9	N.	27	NE.	0	15	3	2	1	3	7	11	13	0	16	5	9	4	4	0	0	0	0	0	0	0	0	0
December	9.2	N.	28	N.	0	15	15	0	4	5	6	7	19	0	6	14	11	6	4	0	0	0	0	0	0	0	0	0
Year	9.3	SW.	59	E.	5	84	113	71	41	71	165	106	77	4	114	138	114	106	85	0	0	0	8	2	25	11	43	0

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

CHARLOTTE, N. C.

[ϕ=35° 13′ N.; λ=80° 51′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.301	29.730	28.600	34.3	46.4	44.1	52.0	31.6	41.8	75	6	26	27	28	72	49	54	0.169	0.180	0.186	1.77	0.70	4.2	3.9	3.2	3.9
February	29.284	29.650	28.720	36.9	46.3	46.2	53.1	31.3	43.7	66	20	30	31	33	75	58	61	.173	.185	.197	3.57	1.44	5.4	5.8	3.3	5.6
March	29.139	29.580	28.670	44.3	54.2	53.6	61.0	40.8	50.9	81	28	36	37	37	75	55	56	.233	.239	.234	3.53	1.00	5.6	5.4	3.6	5.1
April	29.160	29.650	28.620	51.7	61.7	59.5	67.5	46.8	57.2	79	32	44	44	45	77	57	61	.308	.313	.305	5.87	1.50	5.7	6.5	6.4	6.3
May	29.113	29.610	28.770	61.6	73.0	69.0	78.0	56.3	67.2	92	43	54	52	53	77	51	60	.423	.410	.414	4.05	1.54	5.9	5.1	5.4	5.4
June	29.120	29.330	28.940	71.4	81.0	76.2	85.5	65.4	75.4	98	54	65	66	64	82	61	69	.631	.639	.613	4.49	1.01	6.1	6.2	6.1	6.3
July	29.201	29.438	29.028	74.7	85.6	80.8	90.4	70.9	80.6	97	64	69	68	68	82	57	68	.704	.683	.701	1.76	.88	5.9	5.8	6.3	6.2
August	29.224	29.440	28.640	74.3	84.5	78.3	89.2	70.4	79.8	97	66	71	73	72	90	69	81	.760	.811	.774	13.14	4.08	4.9	6.0	6.4	6.0
September	29.201	29.430	28.750	63.3	73.2	69.8	77.8	59.9	68.8	92	47	60	65	63	90	76	80	.539	.628	.594	11.13	5.16	5.5	5.4	4.4	5.3
October	29.332	29.630	28.944	57.6	70.3	65.8	73.8	55.3	64.6	87	39	54	60	58	89	72	78	.448	.551	.511	1.13	.48	4.8	4.2	2.7	4.6
November	29.309	29.730	28.900	44.6	57.4	53.4	61.2	41.5	51.4	76	22	39	43	41	80	59	65	.260	.300	.281	.52	.19	5.1	4.4	3.1	4.7
December	29.311	29.630	28.760	38.1	49.2	46.4	53.3	35.3	44.3	67	26	32	37	36	78	65	67	.193	.233	.219	.88	.45	4.0	5.3	3.4	5.0
Year	29.225	29.730	28.600	54.4	65.2	61.9	70.2	50.7	60.5	98	6	48	50	50	81	61	67	.404	.431	.419	51.84	5.16	5.3	5.3	4.5	5.4

CHATTANOOGA, TENN.

[ϕ=35° 04′ N.; λ=85° 18′ W.]

Month	Monthly mean	Extremes: Maximum	Extremes: Minimum	8 a. m.	Noon, local time	8 p. m.	Maximum	Minimum	Monthly	Extremes: Maximum	Extremes: Minimum	Dew point: 8 a. m.	Dew point: Noon, local time	Dew point: 8 p. m.	Relative humidity: 8 a. m.	Relative humidity: Noon, local time	Relative humidity: 8 p. m.	Vapor pressure: 8 a. m.	Vapor pressure: Noon, local time	Vapor pressure: 8 p. m.	Precipitation: Total	Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.392	29.840	28.670	34.5	43.9	44.7	50.5	31.8	41.2	73	0	24	28	30	66	54	55	0.166	0.192	0.196	2.38	0.79	5.1	5.0	4.5	5.1
February	29.341	29.680	28.890	36.2	46.2	46.6	52.2	34.4	43.3	66	17	28	31	33	72	57	60	.166	.189	.198	2.62	.85	5.3	5.0	5.7	5.4
March	29.188	29.570	28.620	43.7	54.0	54.5	60.3	40.9	50.6	86	26	33	37	39	66	55	59	.202	.234	.256	5.24	2.85	6.0	5.8	5.5	5.9
April	29.175	29.530	28.839	50.5	60.6	60.6	66.2	47.3	56.8	78	34	40	42	41	68	54	52	.260	.281	.272	7.79	1.57	6.0	6.5	6.0	6.4
May	29.152	29.550	28.820	59.2	71.8	70.8	76.7	56.1	66.4	87	45	49	49	50	70	49	52	.362	.368	.377	4.39	1.83	5.3	4.7	5.2	5.2
June	29.122	29.300	28.960	67.9	77.0	75.2	81.0	64.8	72.9	90	54	62	64	65	83	65	72	.568	.597	.623	7.69	1.86	7.5	6.6	6.8	6.9
July	29.213	29.400	29.040	72.7	84.1	79.8	87.5	69.3	78.4	94	65	67	68	69	83	60	71	.666	.700	.710	6.85	2.13	4.7	5.1	6.6	5.8
August	29.230	29.440	28.950	72.1	83.5	79.3	86.9	69.5	78.2	91	63	67	68	70	84	60	74	.663	.685	.726	4.66	1.95	4.5	5.5	6.5	5.5
September	29.229	29.450	28.990	61.4	74.6	71.9	79.0	59.3	69.2	90	43	54	58	60	79	59	66	.453	.516	.536	3.32	1.99	3.9	4.8	3.7	4.3
October	29.331	29.590	29.060	57.2	68.2	66.0	72.3	55.2	63.8	86	40	50	53	54	78	60	67	.390	.433	.448	5.04	2.22	5.0	5.5	3.7	4.9
November	29.370	29.710	28.900	45.5	55.1	53.5	59.9	42.1	51.0	75	23	36	38	38	69	53	57	.231	.250	.250	4.18	3.15	5.6	5.3	4.7	5.3
December	29.362	29.640	28.860	37.8	47.4	47.0	52.6	34.6	43.6	68	24	28	31	31	66	53	54	.163	.182	.182	1.52	.84	5.3	4.8	3.8	4.9
Year	29.259	29.840	28.620	53.2	63.9	62.5	68.8	50.4	59.6	94	0	45	47	48	74	57	62	.358	.386	.398	55.68	3.15	5.4	5.4	5.2	5.5

CHEYENNE, WYO.

[ϕ=41° 08′ N.; λ=104° 48′ W.]

Month	Monthly mean	Extremes: Maximum	Extremes: Minimum	8 a. m.	Noon, local time	8 p. m.	Maximum	Minimum	Monthly	Extremes: Maximum	Extremes: Minimum	Dew point: 8 a. m.	Dew point: Noon, local time	Dew point: 8 p. m.	Relative humidity: 8 a. m.	Relative humidity: Noon, local time	Relative humidity: 8 p. m.	Vapor pressure: 8 a. m.	Vapor pressure: Noon, local time	Vapor pressure: 8 p. m.	Precipitation: Total	Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	24.009	24.313	23.500	27.3	36.6	32.6	41.5	22.1	31.8	57	−13	14	16	18	57	46	54	0.082	0.090	0.095	0.33	0.16	4.3	6.1	5.9	5.5
February	23.995	24.240	23.570	21.7	33.4	29.9	38.9	15.6	27.2	59	−3	12	13	14	65	45	52	.073	.076	.080	1.28	.57	4.4	5.0	5.6	5.2
March	23.927	24.190	23.440	28.2	40.6	39.0	44.9	23.3	34.1	68	−1	19	20	25	67	46	59	.102	.108	.132	1.52	.88	4.3	6.8	6.1	6.3
April	23.879	24.200	23.550	30.5	45.2	45.6	50.5	26.2	38.4	70	5	20	20	21	66	37	39	.108	.108	.113	.83	.64	5.1	6.1	6.8	6.0
May	24.046	24.286	23.816	44.5	59.2	56.7	63.7	41.7	52.7	79	28	37	36	37	77	47	54	.224	.213	.230	2.67	.58	4.6	6.3	6.5	6.1
June	23.932	24.160	23.490	47.1	60.7	59.0	64.7	44.0	54.4	79	38	41	41	42	80	51	57	.264	.267	.276	2.85	1.05	5.6	7.1	7.4	6.3
July	24.110	24.350	23.850	56.2	74.4	72.7	78.8	52.7	65.8	90	45	47	46	47	73	41	44	.330	.327	.330	1.95	.84	2.8	4.0	5.8	4.5
August	24.106	24.300	23.880	54.0	74.5	73.9	78.9	51.6	65.2	89	42	39	38	38	59	29	30	.239	.234	.238	.53	.36	3.5	4.3	5.8	4.4
September	24.095	24.390	23.820	47.3	65.5	64.7	70.4	43.9	57.2	85	31	31	30	30	55	28	29	.177	.168	.172	.08	.06	2.7	3.5	4.4	2.6
October	24.038	24.300	23.600	39.0	52.3	49.1	56.1	34.0	45.0	80	15	27	27	28	67	48	54	.147	.148	.156	1.27	.40	5.9	5.1	5.0	5.4
November	24.037	24.410	23.510	29.9	41.5	35.7	44.6	24.2	34.4	64	7	20	22	23	67	49	62	.106	.117	.123	1.19	.76	6.2	5.4	5.5	5.8
December	23.986	24.330	23.590	23.9	34.2	26.7	37.3	16.3	26.8	60	−3	11	16	14	56	46	56	.069	.087	.078	.17	.07	2.7	3.1	2.5	3.0
Year	24.013	24.410	23.440	37.5	51.5	48.8	55.9	33.0	44.4	90	−13	26	27	28	66	43	49	.160	.162	.169	14.67	1.05	4.3	5.2	5.6	5.2

CHICAGO UNIVERSITY, ILL.

[ϕ=41° 47′ N.; λ=87° 35′ W.]

Month	Monthly mean	Extremes: Maximum	Extremes: Minimum	8 a. m.	Noon, local time	8 p. m.	Maximum	Minimum	Monthly	Extremes: Maximum	Extremes: Minimum	Dew point: 8 a. m.	Dew point: Noon, local time	Dew point: 8 p. m.	Relative humidity: 8 a. m.	Relative humidity: Noon, local time	Relative humidity: 8 p. m.	Vapor pressure: 8 a. m.	Vapor pressure: Noon, local time	Vapor pressure: 8 p. m.	Precipitation: Total	Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.325	29.780	28.500	21.9	28.2	27.8	31.7	18.6	25.2	60	−6	16	19	19	77	67	69	0.109	0.120	0.122	0.73	0.62	4.8	6.4	5.9	5.9
February	29.327	29.740	28.770	26.9	33.0	31.9	36.7	23.9	30.3	52	5	21	24	23	77	67	66	.125	.137	.133	1.57	.68	6.8	6.4	4.4	5.9
March	29.235	29.687	28.610	32.5	39.9	38.2	44.1	29.7	36.9	77	10	26	26	27	74	57	63	.147	.153	.158	1.50	.36	5.4	5.7	4.7	5.7
April	29.185	29.560	28.615	39.9	47.8	46.1	52.2	37.2	44.7	75	23	32	34	34	72	60	63	.187	.212	.211	2.34	1.23	4.9	6.2	5.3	5.7
May	29.248	29.740	28.890	54.3	62.2	59.0	66.3	50.0	58.2	90	41	42	44	43	65	54	59	.281	.307	.292	1.59	.90	4.8	4.5	3.9	4.5
June	29.111	29.540	28.820	59.5	66.8	64.6	71.0	55.1	63.0	86	46	52	54	54	79	65	71	.407	.433	.434	6.97	2.71	6.3	7.6	6.0	6.9
July	29.269	29.568	29.060	69.4	76.8	75.0	80.1	65.4	72.8	92	55	63	64	64	79	65	69	.580	.594	.600	2.95	1.43	4.9	5.5	4.3	4.8
August	29.300	29.570	28.960	67.5	77.1	73.3	79.4	65.0	72.2	94	58	63	63	63	84	68	73	.579	.578	.593	5.03	1.84	5.1	4.6	3.4	4.4
September	29.319	29.640	28.950	54.6	67.5	63.6	69.7	53.2	61.4	88	35	49	49	51	81	52	64	.368	.375	.402	1.87	.98	2.9	3.9	2.8	3.6
October	29.341	29.790	28.950	50.7	60.8	58.2	63.7	49.3	56.5	87	30	45	45	47	80	58	67	.317	.324	.350	2.74	.91	5.4	6.2	5.1	5.9
November	29.326	29.770	28.780	39.5	45.1	43.5	47.6	36.7	42.2	68	20	33	34	34	78	67	71	.200	.209	.208	4.00	2.01	6.5	7.2	6.5	7.0
December	29.363	29.750	28.790	29.2	34.4	33.5	37.7	26.6	32.2	50	3	24	26	27	81	71	75	.129	.151	.155	2.63	1.15	7.2	6.5	5.5	6.5
Year	29.279	29.790	28.500	45.5	53.3	51.2	56.7	42.6	49.6	94	−8	39	40	40	77	62	68	.287	.299	.305	33.92	2.71	5.4	5.9	4.9	5.6

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

CHARLOTTE, N. C.

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

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 38 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorms	Aurora
	Miles		*Mi.*																									
January	5.3	SW.	34	SW.	1	3	6	1	4	8	20	9	9	4	18	4	9	6	5	2	0	0	1	2	0	15	1	0
February	5.3	SW.	25	NW.	0	5	13	8	2	3	21	3	3	0	10	8	11	12	10	1	0	0	4	0	0	11	0	0
March	5.7	SW.	28	SW.	0	7	13	3	5	6	17	3	6	0	12	10	9	16	13	1	0	0	1	0	0	5	5	0
April	5.9	SW.	26	SW.	0	9	9	5	4	13	14	3	3	0	6	12	12	11	9	1	0	1	1	0	0	0	2	0
May	4.1	SW.	19	NE.	0	6	15	4	3	6	22	1	3	2	8	13	10	16	14	0	0	0	0	0	1	0	8	0
June	3.6	SW.	17	W.	0	4	8	1	4	8	23	9	3	0	6	13	11	17	11	0	0	0	1	0	5	0	17	0
July	3.0	SW.	21	NE.	0	3	9	7	2	9	15	12	4	1	3	19	9	12	6	0	0	0	2	0	16	0	14	0
August	3.1	SW.	19	NW.	0	3	4	8	9	7	20	3	4	4	6	17	8	15	12	0	0	0	0	0	17	0	11	0
September	3.8	NE.	22	NE.	0	7	20	10	5	4	7	2	2	3	13	6	11	13	11	0	0	0	0	0	3	0	4	0
October	3.6	NE.	14	W.	0	4	19	13	5	7	7	2	3	2	13	10	8	5	5	0	0	0	3	0	0	0	1	0
November	4.7	SW.	19	NW.	0	4	10	3	1	8	13	9	9	3	14	4	12	5	3	0	0	0	4	0	0	5	0	0
December	4.4	NE.	18	W.	0	8	21	4	2	6	11	4	4	2	13	7	11	5	4	1	0	0	4	0	0	13	0	0
Year	4.4	SW.	34	SW.	1	63	147	67	46	83	190	60	55	21	122	123	121	133	103	6	0	1	21	2	42	49	63	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 38 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Aurora
January	7.4	SW.	40	SW.	2	4	4	1	4	3	24	10	12	0	8	16	7	8	6	2	1	0	2	5	0	15	1	0
February	7.8	SW.	30	SW.	0	7	6	0	8	4	12	7	14	0	11	6	12	10	8	1	1	0	1	0	0	9	0	0
March	8.3	SW.	42	NW.	2	6	7	4	7	8	14	4	12	0	8	10	13	15	12	1	1	1	1	0	0	6	8	0
April	9.9	SW.	34	SE.	1	5	12	0	13	6	11	3	10	0	3	13	14	13	13	2	0	0	1	0	0	0	5	0
May	7.5	SW.	30	NW.	0	10	4	0	11	3	16	8	10	0	10	10	11	13	12	0	0	0	0	0	0	0	7	0
June	7.3	SW.	36	NW.	3	2	6	4	8	11	18	5	6	0	1	15	14	21	18	0	0	0	0	0	1	0	16	0
July	5.0	SW.	28	NE.	0	8	5	1	7	4	22	8	7	0	4	21	6	15	10	0	0	1	1	0	4	0	12	0
August	5.1	SW.	42	SW.	1	5	15	0	6	1	24	7	4	0	4	21	6	15	9	0	0	0	0	0	6	0	14	0
September	4.7	NE.	25	N.	0	13	10	2	5	0	6	9	13	2	16	9	5	6	4	0	0	0	3	0	0	0	2	0
October	6.4	SE.	26	SW.	0	6	9	2	16	8	11	2	13	0	14	6	11	10	7	0	0	0	3	0	0	0	3	0
November	2.8	NW.	27	NW.	0	5	6	1	10	5	12	5	16	0	10	8	12	6	5	0	0	0	1	0	0	4	0	0
December	6.1	SW.	31	NW.	0	4	9	2	6	7	15	5	14	0	13	9	9	9	4	0	0	0	2	0	0	15	0	0
Year	6.9	SW.	42	NW.	9	75	93	17	101	55	185	73	131	2	102	144	120	141	108	6	3	2	15	5	11	49	68	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 38 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Aurora
January	14.8	W.	50	W.	12	7	1	1	1	2	5	28	17	0	10	8	13	8	3	12	7	0	1	7	0	24	0	0
February	11.2	W.	40	W.	5	11	3	2	0	3	11	11	17	0	11	8	10	9	6	11	9	0	0	7	0	23	0	0
March	12.0	W.	42	W.	4	5	4	2	0	4	4	22	21	0	7	8	16	9	7	13	9	0	0	5	0	23	0	0
April	13.4	W.	42	W.	8	8	1	1	3	5	6	22	14	0	4	17	9	7	4	11	6	0	0	3	0	22	0	0
May	9.4	N.	48	W.	2	12	5	3	5	10	2	13	12	0	8	10	13	15	12	2	2	5	1	0	0	3	10	0
June	9.3	S.	33	NW.	2	9	4	9	4	11	5	6	12	0	5	14	11	20	11	0	0	5	0	0	0	0	15	0
July	8.1	S.	37	W.	2	9	4	5	8	7	2	18	9	0	13	11	7	10	10	0	0	2	2	0	0	0	13	1
August	8.8	W.	31	NW.	0	7	4	3	7	11	4	22	4	0	12	14	5	7	3	0	0	1	0	0	0	0	11	0
September	9.9	W.	44	W.	2	5	5	1	2	12	4	19	12	0	15	12	3	4	1	0	0	0	0	0	0	2	7	0
October	10.7	W.	36	W.	1	9	2	2	6	10	7	19	7	0	12	7	12	10	8	6	4	1	5	1	0	13	2	0
November	10.1	W.	54	NW.	3	9	3	1	1	5	7	18	16	0	11	5	14	7	4	10	6	0	0	6	0	26	0	0
December	12.4	W.	39	W.	7	7	2	0	0	2	6	31	14	0	20	6	5	4	3	7	4	0	2	8	0	30	0	0
Year	10.8	W.	54	NW.	48	98	38	30	37	82	63	229	155	0	128	120	118	110	72	72	47	14	11	37	0	172	56	1

CHICAGO UNIVERSITY, ILL.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 38 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and over	T. or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Aurora
January	11.9	SW.	41	NW.	1	2	3	0	3	1	32	10	11	0	11	8	12	7	2	8	1	0	0	13	0	26	0	0
February	11.4	NW.	34	NE.	1	3	3	2	11	4	11	12	12	0	9	6	14	7	7	11	3	0	1	7	0	24	0	0
March	11.9	NW.	32	NW.	0	8	5	4	5	10	7	11	12	0	10	9	12	7	6	8	3	0	0	4	0	23	6	0
April	11.7	NE.	32	W.	0	3	13	4	9	10	5	9	7	0	8	11	11	9	8	6	3	0	1	0	0	7	5	0
May	9.0	NE.	26	N.	0	13	11	10	8	5	9	4	2	0	13	12	6	8	8	0	0	0	1	0	0	0	5	0
June	9.1	NE.	30	SW.	0	3	12	3	12	6	6	11	7	0	5	9	16	14	11	0	0	1	0	0	0	0	7	0
July	7.3	S.	33	NW.	1	6	14	3	6	12	8	11	2	0	12	10	9	10	8	0	0	0	0	0	2	0	7	2
August	8.2	NE.	29	SW.	0	5	9	11	8	8	11	5	8	0	13	11	7	8	7	0	0	0	1	0	4	0	9	0
September	8.7	SW.	28	SW.	0	3	5	6	7	10	12	10	7	0	16	10	4	6	5	1	0	1	0	0	0	0	4	0
October	9.5	S.	25	SW.	0	2	2	5	8	17	6	13	9	0	11	4	16	12	11	0	0	0	0	0	0	2	4	0
November	11.5	SW.	29	S.	0	7	2	4	2	8	16	5	16	0	7	4	19	14	11	5	2	0	0	1	0	9	0	0
December	8.7	SW.	32	SW.	0	3	0	4	5	12	21	10	7	0	8	6	17	16	7	11	7	0	1	9	0	22	0	0
Year	9.9	SW.	41	NW.	3	58	79	56	84	103	144	111	97	0	123	100	143	117	91	50	19	2	5	34	0	113	48	2

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

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
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.447	29.900	28.520	26.7	33.9	32.6	39.3	23.1	31.2	68	−3	22	23	24	81	65	71	0.135	0.145	0.149	1.65	0.69	5.4	5.2	4.6	5.4
February	29.434	29.850	28.880	30.3	35.5	34.8	40.8	26.3	33.6	55	9	25	27	29	81	72	79	.146	.155	.165	3.23	1.49	7.2	7.1	6.8	7.0
March	29.306	29.796	28.670	35.8	45.3	42.8	49.9	31.4	40.6	75	17	29	31	32	76	59	66	.172	.190	.184	1.31	.61	6.2	6.6	5.5	6.3
April	29.286	29.640	28.830	45.0	53.8	52.4	59.3	39.9	49.6	78	27	34	35	36	67	51	57	.207	.211	.220	3.66	1.46	6.4	6.3	5.7	6.5
May	29.301	29.780	28.930	57.5	68.2	65.8	72.8	50.7	61.8	87	38	46	44	44	66	46	49	.325	.311	.309	.76	.23	4.2	5.6	4.7	5.2
June	29.209	29.530	28.950	63.9	71.5	68.3	75.9	58.0	67.0	86	46	57	59	60	80	68	75	.486	.521	.522	9.07	2.31	7.6	6.9	6.7	7.3
July	29.341	29.650	29.110	72.3	82.0	77.4	85.8	65.0	75.4	93	53	60	65	66	80	57	67	.637	.622	.637	4.61	2.27	2.9	3.0	4.6	4.5
August	29.362	29.560	29.080	69.7	82.2	76.6	85.6	65.7	75.6	93	56	66	67	66	87	61	70	.630	.663	.643	2.85	1.05	3.4	4.9	5.1	4.8
September	29.397	29.609	29.100	55.6	71.7	66.6	75.1	52.4	63.8	92	33	51	50	49	84	48	54	.392	.390	.376	1.27	1.00	4.1	3.9	3.1	3.5
October	29.449	29.810	29.110	52.3	66.8	61.4	70.4	49.3	59.8	88	27	47	47	48	84	51	63	.354	.358	.364	3.18	1.58	4.9	5.1	4.0	5.1
November	29.445	29.810	29.070	39.7	48.0	45.8	52.1	37.0	44.6	75	19	36	36	36	85	65	70	.219	.221	.225	3.25	1.55	7.0	7.0	6.8	7.0
December	29.464	29.790	28.730	31.1	40.5	39.1	44.7	28.8	36.8	58	9	28	30	30	86	66	68	.158	.174	.169	2.56	1.18	5.4	5.2	4.6	5.5
Year	29.370	29.900	28.520	48.3	58.3	55.3	62.6	44.0	53.3	93	−3	42	43	43	80	59	66	.322	.330	.330	37.40	2.31	5.4	5.8	5.2	5.7

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	29.190	29.661	28.180	24.6	28.5	29.9	35.1	21.8	28.4	60	0	20	21	23	80	73	76	0.118	0.126	0.137	2.03	0.62	8.0	7.9	7.0	7.8
February	29.230	29.690	28.640	26.9	31.6	30.5	35.9	22.4	29.2	51	6	22	22	23	81	69	74	.128	.129	.132	2.36	.69	7.7	7.7	7.0	7.5
March	29.104	29.670	28.320	31.9	37.9	37.2	42.3	28.4	35.4	74	16	26	28	29	78	68	71	.148	.170	.167	2.08	1.00	6.8	6.2	6.2	6.3
April	29.113	29.480	28.570	41.8	46.6	45.8	51.7	36.6	44.2	77	26	32	33	33	70	61	63	.192	.200	.199	2.15	1.19	6.5	5.7	6.7	6.1
May	29.147	29.678	28.790	55.3	59.1	59.5	64.6	49.3	57.0	85	38	42	43	41	64	58	54	.286	.291	.275	2.04	1.46	4.3	4.6	4.7	4.8
June	29.041	29.424	28.720	61.4	66.4	66.3	71.1	56.8	64.0	85	45	53	54	54	76	66	68	.423	.432	.440	4.60	1.13	6.2	6.7	7.4	6.6
July	29.169	29.520	28.920	70.5	75.9	75.8	80.1	66.1	73.1	89	56	62	63	60	74	65	61	.558	.577	.542	6.94	3.70	5.6	5.4	5.8	5.4
August	29.212	29.450	28.930	70.0	75.3	75.0	79.5	66.0	72.8	92	56	62	63	62	77	67	64	.568	.588	.566	1.15	.55	4.8	4.7	5.5	4.7
September	29.227	29.550	28.890	57.2	66.4	64.0	69.1	54.1	61.6	88	36	48	48	49	73	53	59	.355	.356	.364	1.21	.66	5.6	4.8	4.9	5.1
October	29.270	29.680	28.900	53.5	61.1	59.2	65.2	49.5	57.4	86	35	46	46	46	76	60	62	.331	.333	.330	3.28	.08	6.3	6.2	5.7	6.1
November	29.213	29.600	28.650	42.0	46.3	44.4	49.3	39.2	44.2	71	23	35	34	34	76	64	70	.214	.204	.207	3.25	.81	8.5	8.3	8.5	8.4
December	29.280	29.570	28.420	32.3	37.0	36.3	40.9	29.4	35.2	59	11	26	26	27	76	64	67	.144	.147	.150	1.41	.73	7.2	7.3	6.8	6.9
Year	29.183	29.690	28.180	47.3	52.7	52.0	57.1	43.3	50.2	92	0	40	40	40	75	64	66	.289	.296	.292	32.59	3.70	6.5	6.3	6.4	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	29.302	29.830	28.620	26.6	34.2	----	41.2	24.4	32.8	71	−9	20	24	----	77	65	----	0.127	0.142	----	0.94	0.72	4.3	4.8	----	4.5
February	29.260	29.670	28.800	30.5	38.5	----	45.2	27.6	36.4	66	7	26	28	----	81	65	----	.148	.165	----	2.10	1.01	6.1	4.7	----	5.3
March	29.145	29.600	28.510	37.1	50.8	----	57.0	34.9	46.0	83	18	30	31	----	75	47	----	.171	.185	----	.69	.48	4.1	5.5	----	4.7
April	29.089	29.510	28.570	44.4	57.2	----	61.2	41.3	51.2	82	23	35	36	----	70	47	----	.214	.226	----	2.89	1.40	5.4	5.4	----	5.3
May	29.130	29.560	28.760	57.8	73.1	----	77.7	53.7	65.7	91	40	47	48	----	69	45	----	.346	.362	----	1.74	.70	3.8	4.7	----	4.6
June	28.998	29.305	28.680	62.6	72.0	----	75.3	57.9	66.6	85	47	58	59	----	84	65	----	.491	.513	----	14.86	5.83	7.6	6.4	----	6.7
July	29.160	29.420	28.980	71.5	83.1	----	86.3	68.2	77.2	94	58	66	67	----	84	60	----	.659	.684	----	3.72	1.98	4.3	5.0	----	4.5
August	29.172	29.460	28.950	69.5	81.4	----	84.6	67.0	75.8	92	59	66	68	----	89	65	----	.645	.701	----	3.22	.66	4.9	5.4	----	4.2
September	29.232	29.490	28.970	54.8	72.7	----	75.7	52.0	63.8	92	37	50	51	----	85	48	----	.386	.410	----	3.33	2.50	4.3	3.3	----	3.0
October	29.221	29.700	28.770	52.5	66.3	----	70.8	50.8	60.8	89	34	47	49	----	83	55	----	.351	.361	----	2.86	.73	5.3	5.3	----	4.8
November	29.270	29.840	28.722	39.2	47.7	----	52.5	36.5	44.5	70	19	35	35	----	85	64	----	.213	.223	----	4.68	2.30	5.6	6.0	----	5.8
December	29.264	29.680	28.710	31.5	39.7	----	44.3	28.0	36.2	66	14	27	30	----	82	67	----	.150	.170	----	2.04	1.07	4.6	5.7	----	5.4
Year	29.187	29.840	28.510	48.2	59.7	----	64.3	45.2	54.8	94	−9	42	44	----	80	58	----	.325	.347	----	43.07	5.83	5.0	5.2	----	4.9

COLUMBIA, S. C.

[φ=34° 00′ N.; λ=81° 03′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.802	30.270	29.150	37.8	51.8	49.4	57.4	35.7	46.6	78	10	30	28	30	73	42	49	0.193	0.203	0.211	0.83	0.60	3.4	3.7	4.4	3.8
February	29.768	30.150	29.270	39.5	50.8	50.4	57.1	37.6	47.4	71	21	34	33	37	81	57	62	.207	.212	.233	5.41	2.62	5.6	5.8	3.4	5.3
March	29.613	30.020	29.100	48.7	59.1	58.6	65.3	45.6	55.4	85	32	41	39	41	75	53	57	.275	.272	.282	2.90	.69	5.6	6.2	3.5	5.6
April	29.631	30.080	29.080	55.8	67.5	53.8	71.9	51.0	61.4	83	39	49	45	46	79	50	55	.368	.336	.324	6.39	1.71	4.5	5.9	4.8	5.5
May	29.565	30.040	29.200	63.5	74.7	72.1	79.6	59.0	69.3	91	46	56	54	53	77	53	55	.457	.435	.418	5.33	2.29	5.2	5.6	5.2	5.3
June	29.588	29.760	29.440	72.8	82.2	77.5	86.8	68.4	77.6	98	60	67	63	64	82	55	66	.660	.587	.605	2.79	1.03	4.6	5.7	5.9	5.8
July	29.653	29.870	29.490	74.9	85.0	80.0	89.7	71.9	80.8	95	67	71	69	70	87	60	73	.751	.710	.734	9.78	2.48	5.1	4.9	5.5	5.1
August	29.674	29.860	29.130	75.4	84.9	79.3	88.9	71.8	80.4	94	69	72	70	71	89	63	78	.783	.747	.765	10.19	3.92	5.0	5.6	6.1	5.5
September	29.639	29.870	29.000	67.9	77.7	72.7	81.4	64.6	73.0	92	51	64	63	64	87	63	76	.608	.601	.610	14.64	5.50	4.7	5.0	4.5	5.4
October	29.782	30.090	29.411	60.4	72.8	68.2	76.5	57.9	67.2	88	41	56	54	55	85	53	66	.476	.444	.466	1.70	.88	3.8	4.2	2.6	4.2
November	29.788	30.200	29.370	46.3	61.1	56.4	64.5	43.6	54.0	80	24	41	40	40	82	47	57	.281	.278	.281	.21	.17	3.7	4.3	3.6	4.3
December	29.788	30.100	29.350	39.8	52.7	50.1	56.7	37.9	47.3	79	27	34	36	36	80	55	60	.211	.231	.227	1.82	.90	4.9	4.9	4.6	5.0
Year	29.691	30.270	29.000	56.9	68.4	64.9	73.0	53.8	63.4	98	10	51	50	51	81	54	63	.430	.421	.420	61.99	5.50	4.7	5.2	4.5	5.0

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

CINCINNATI, OHIO

[H_b=627 ft.; h_t=11 ft.; h_r=3 ft.; h_a=51 ft.]

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	No. of 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	0.01 inch and over	Snow: T or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorms	Aurora
	Miles		*Mi.*																									
January	9.3	SW.	33	W.	1	4	4	2	1	7	30	12	2	0	13	2	16	7	5	5	2	0	2	11	0	19	2	0
February	8.1	SW.	26	SW.	0	2	5	2	4	8	22	10	5	0	8	3	18	13	11	6	6	0	3	3	0	21	1	0
March	8.6	SW.	33	W.	1	6	8	3	3	7	17	10	8	0	9	8	14	9	7	6	1	0	0	2	0	21	4	0
April	9.7	SW.	34	SW.	2	7	7	4	3	8	15	9	7	0	4	14	12	13	8	2	0	0	0	0	0	7	1	0
May	6.2	SW.	20	NE.	0	10	12	3	0	9	19	4	5	0	10	12	9	10	6	0	0	0	0	0	0	0	5	0
June	6.2	SW.	25	NW.	0	2	8	3	3	12	22	4	6	0	3	9	18	19	16	0	0	0	0	0	0	0	8	0
July	4.3	SW.	33	NW.	1	1	6	3	3	7	26	5	9	2	10	18	3	8	8	0	0	1	0	0	5	0	10	1
August	4.6	SW.	22	S.	0	8	14	2	3	8	21	2	2	2	12	11	8	10	7	0	0	0	2	0	8	0	10	0
September	5.5	SW.	22	SW.	0	4	12	1	3	11	16	7	6	0	18	9	3	5	3	0	0	0	2	0	1	0	1	0
October	5.8	S.	22	S.	0	3	11	3	6	16	11	8	4	0	11	10	10	7	7	0	0	0	1	0	0	2	3	0
November	7.7	SW.	29	NW.	0	3	4	1	3	13	19	8	9	0	6	4	20	14	8	4	1	0	3	0	0	8	0	0
December	5.8	SW.	24	W.	0	3	5	6	4	12	17	10	4	1	11	7	13	9	7	6	1	0	2	2	0	22	0	0
Year	6.8	SW.	34	SW.	5	53	96	33	36	118	235	89	67	5	115	107	144	124	93	29	11	1	15	18	14	100	45	1

CLEVELAND, OHIO

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	No. of days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.01 inch and over	T or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Aurora
January	14.8	SW.	50	W.	8	1	0	1	4	9	29	17	1	0	3	6	22	15	11	12	9	1	3	13	0	22	0	0
February	12.3	SW.	36	W.	2	1	5	0	8	9	14	14	7	0	4	5	20	13	9	19	7	0	0	12	0	24	0	0
March	11.5	W.	36	W.	5	6	7	2	3	8	10	18	8	0	7	10	14	11	7	12	7	1	0	6	0	23	3	0
April	13.4	W.	46	W.	5	5	9	1	6	11	9	10	9	0	6	15	9	14	9	6	4	0	2	1	0	10	2	0
May	8.3	NE.	31	N.	0	9	12	1	7	9	13	5	6	0	10	13	8	8	6	0	0	0	1	0	0	0	3	0
June	9.5	SW.	34	W.	2	2	8	2	6	17	13	8	4	0	7	8	15	17	13	0	0	0	0	0	0	0	1	0
July	7.8	SW.	32	W.	0	9	7	2	3	8	16	11	6	0	8	13	10	12	8	0	0	0	0	0	0	0	7	2
August	8.8	NE.	34	W.	2	11	15	2	9	7	12	0	6	0	12	13	6	6	4	0	0	0	0	0	3	0	4	0
September	11.2	SW.	40	NW.	1	4	9	4	4	11	12	11	5	0	9	13	8	9	5	0	0	1	0	0	0	0	2	0
October	11.7	S.	56	NW.	3	5	3	1	3	20	13	9	7	1	7	11	13	15	14	1	0	3	0	0	0	0	4	0
November	14.1	SW.	44	NW.	8	3	2	1	3	9	17	16	9	0	2	4	24	18	16	8	5	0	0	0	0	5	0	0
December	11.0	SW.	44	W.	3	1	2	1	8	16	22	11	1	0	7	4	20	10	6	10	4	0	0	5	0	19	0	0
Year	11.2	SW.	56	NW.	39	57	79	18	64	134	180	130	69	1	82	115	169	148	108	68	36	6	6	37	3	103	32	2

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	No. of days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.01 inch and over	T or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Aurora
January	7.8	SW.	28	NW.	0	2	3	3	1	8	6	4	4	0	15	8	8	4	2	3	2	0	0	9	0	20	2	0
February	8.3	NW.	26	NW.	0	2	2	2	3	5	5	4	6	0	13	4	12	10	7	6	4	0	1	4	0	18	1	0
March	8.4	S.	32	NW.	0	2	5	1	4	11	2	0	6	0	11	12	8	6	3	2	1	0	0	0	0	17	3	0
April	9.3	NW.	31	NW.	0	5	2	3	7	6	0	2	5	0	11	9	10	7	6	2	1	0	0	0	0	6	3	0
May	6.7	S.	23	N.	0	6	4	4	3	8	2	0	4	0	12	11	8	11	8	0	0	0	1	0	1	0	10	0
June	6.2	NW.	19	E.	0	2	2	3	6	5	4	1	7	0	5	9	16	19	16	0	0	0	0	0	0	0	15	0
July	5.1	S.	23	S.	0	7	1	0	5	8	5	3	2	0	15	8	8	7	6	0	0	0	0	0	11	0	7	1
August	5.1	S.	22	SW.	0	4	6	5	4	7	2	0	2	1	16	10	5	11	10	0	0	0	1	0	9	0	13	0
September	5.6	SE.	29	NW.	0	3	6	2	8	5	2	0	3	1	20	6	4	6	4	0	0	0	1	0	3	0	5	0
October	6.2	SE.	28	W.	0	3	3	4	8	3	2	2	6	0	9	15	7	9	7	0	0	0	2	0	0	0	5	0
November	7.7	S.	36	NW.	1	3	2	2	2	8	3	4	6	0	12	3	15	12	8	2	2	0	1	0	0	8	1	0
December	7.2	SW.	23	W.	0	2	2	1	8	6	6	2	4	0	10	9	12	8	6	5	3	0	1	2	0	21	0	0
Year	7.0	S.	35	NW.	1	41	38	30	59	80	39	22	55	2	149	104	113	110	83	20	13	0	8	15	24	90	65	1

COLUMBIA, S. C.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	No. of days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.01 inch and over	T or more	0.01 inch or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Aurora
January	6.3	W.	38	W.	1	6	1	0	2	11	8	26	8	0	16	9	6	6	4	1	1	0	1	2	0	10	0	0
February	6.0	NE.	31	SW.	0	8	13	4	3	4	11	9	6	0	12	6	11	10	10	0	0	0	0	0	0	5	0	0
March	7.0	SW.	35	SW.	1	5	14	1	3	6	14	8	11	0	11	8	12	11	10	0	0	0	1	0	0	1	3	0
April	7.6	SW.	29	SW.	0	7	6	5	4	11	13	11	2	1	12	7	11	10	9	0	0	0	1	0	0	0	4	0
May	5.2	SW.	36	NW.	0	10	13	3	3	8	13	9	2	1	10	10	11	11	9	0	0	1	0	0	3	0	6	0
June	6.1	S.	30	SW.	0	5	4	1	4	22	16	7	1	0	8	16	6	11	9	0	0	0	0	0	8	0	12	0
July	4.4	S.	19	S.	0	2	5	5	10	20	10	5	3	2	12	11	8	16	13	0	0	0	0	0	18	0	13	0
August	5.1	S.	33	SW.	1	3	11	8	6	15	12	4	3	0	9	14	8	15	15	0	0	0	1	0	18	0	13	0
September	5.3	NE.	23	N.	1	10	16	7	5	9	8	1	4	0	10	11	9	12	9	0	0	0	1	0	3	0	3	0
October	5.2	NE.	19	SW.	0	6	26	5	5	7	6	1	6	0	14	12	5	5	5	0	0	0	3	0	0	0	2	0
November	5.9	N.	27	S.	0	15	7	2	3	11	9	5	8	0	14	6	10	3	2	0	0	0	1	0	0	3	0	0
December	5.4	NE.	24	S.	0	12	18	2	3	5	5	12	4	1	10	13	8	5	4	0	0	0	3	0	0	10	0	0
Year	5.8	SW.	38	W.	4	89	134	43	51	129	125	98	58	5	138	123	105	115	99	1	1	1	12	2	50	29	56	0

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

COLUMBUS, OHIO

[ϕ=39° 58′ N.; λ=83° 00′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.204	29.640	28.310	25.5	30.9	31.2	37.0	22.3	29.6	63	−1	20	22	24	81	68	74	0.123	0.136	0.146	1.44	0.57	6.6	6.4	5.3	6.1
February	29.209	29.630	28.660	28.2	34.3	33.6	38.8	25.1	32.0	54	5	24	26	26	84	70	75	.137	.148	.152	2.28	.65	5.9	7.4	6.5	6.7
March	29.082	29.600	28.455	33.6	41.5	41.1	46.5	30.0	38.2	72	16	27	30	30	76	63	64	.157	.181	.173	2.79	1.26	6.0	6.4	6.3	5.9
April	29.082	29.400	28.650	42.5	51.2	50.6	56.8	37.9	47.4	78	27	34	36	33	72	52	53	.203	.197	.198	2.92	1.15	5.6	6.3	6.6	6.0
May	29.104	29.546	28.760	55.8	66.1	64.8	70.8	50.5	60.6	87	36	44	42	42	67	44	46	.310	.283	.285	1.51	.47	3.4	5.1	4.8	4.2
June	29.015	29.330	28.740	62.2	69.4	68.4	73.9	57.5	65.7	84	46	56	55	57	80	62	69	.462	.447	.485	6.94	2.17	6.7	6.9	6.9	6.7
July	29.147	29.450	28.910	70.8	80.1	77.3	84.0	66.1	75.0	92	58	64	62	65	79	56	67	.599	.574	.627	6.27	2.11	3.1	4.9	4.8	4.2
August	29.176	29.380	28.930	69.1	80.7	77.7	84.2	66.0	75.1	92	56	64	63	63	83	56	62	.599	.587	.593	1.05	.32	3.9	5.0	4.1	4.5
September	29.198	29.460	28.890	55.7	68.3	65.8	72.2	52.8	62.5	89	35	49	48	49	78	49	55	.369	.359	.368	.80	.56	3.8	4.9	3.4	4.2
October	29.252	29.630	28.930	51.8	63.6	60.8	67.2	49.3	58.2	86	30	46	48	46	82	55	59	.339	.348	.332	2.85	1.23	4.6	5.5	4.6	5.5
November	29.216	29.570	28.710	40.7	46.3	45.1	50.2	37.8	44.0	73	22	35	36	35	81	67	69	.218	.220	.214	2.32	.92	7.3	8.0	6.9	7.9
December	29.249	29.534	28.530	31.8	38.7	38.1	43.2	29.6	36.4	58	9	27	29	29	81	67	70	.154	.164	.167	2.07	1.11	5.9	5.7	5.5	5.7
Year	29.161	29.640	28.310	47.3	55.9	54.5	60.4	43.7	52.1	92	−1	41	41	42	79	59	64	.306	.304	.312	33.24	2.17	5.2	6.0	5.5	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: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 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	29.550	30.299	28.300	23.0	29.3	----	33.1	16.8	25.0	51	−9	15	17	----	70	57	----	0.099	0.100	----	1.80	0.90	5.3	4.9	----	4.9
February	29.712	30.375	28.990	19.0	27.6	----	32.7	13.3	23.0	53	−7	13	17	----	76	65	----	.091	.105	----	2.50	.75	4.4	4.4	----	4.2
March	29.523	30.110	28.770	27.2	36.1	----	40.1	22.4	31.2	69	−1	20	23	----	74	58	----	.116	.130	----	1.56	.50	5.0	6.0	----	4.0
April	29.600	30.140	29.000	38.6	47.5	----	52.7	31.4	42.0	82	20	31	33	----	75	58	----	.187	.197	----	3.56	1.07	5.5	5.3	----	5.2
May	29.607	30.039	29.190	50.9	59.8	----	63.3	41.6	52.4	81	29	43	44	----	75	60	----	.281	.298	----	2.61	.63	5.8	6.1	----	5.8
June	29.582	29.819	29.150	59.7	67.8	----	71.2	50.8	61.0	86	39	53	54	----	80	65	----	.411	.431	----	4.43	1.55	6.6	6.6	----	6.2
July	29.632	29.911	29.350	68.9	77.5	----	80.7	58.9	69.8	93	45	61	62	----	77	60	----	.545	.564	----	6.04	2.70	4.5	4.9	----	5.2
August	29.717	30.050	29.340	67.3	76.9	----	80.2	59.1	69.6	94	47	62	65	----	85	69	----	.574	.629	----	5.12	2.59	5.3	6.2	----	5.5
September	29.730	30.059	29.340	52.1	63.4	----	66.9	46.0	56.4	83	29	48	49	----	86	62	----	.345	.368	----	2.41	1.20	6.3	5.4	----	6.0
October	29.758	30.192	29.150	45.6	57.2	----	62.7	37.5	50.1	87	19	39	41	----	80	56	----	.263	.282	----	.89	.36	5.5	4.1	----	4.5
November	29.651	30.064	29.000	33.5	43.3	----	47.7	29.3	38.5	71	8	29	33	----	82	67	----	.167	.196	----	1.95	.60	6.1	6.3	----	5.9
December	29.714	30.190	28.740	27.8	35.5	----	40.3	23.0	31.6	59	4	23	26	----	80	70	----	.126	.146	----	1.61	1.09	4.7	5.7	----	5.0
Year	29.648	30.375	28.300	42.8	51.8	----	56.0	35.8	45.9	94	−9	36	39	----	78	62	----	.267	.287	----	34.47	2.70	5.4	5.5	----	5.2

CONCORDIA, KANS.

[ϕ=39° 35′ N.; λ=97° 41′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	28.666	29.190	27.980	24.4	37.4	37.0	43.7	22.4	32.9	67	−10	17	21	20	73	53	53	0.105	0.122	0.118	0.11	0.08	3.4	3.7	2.5	3.9
February	28.648	28.990	28.140	29.0	39.4	37.6	44.4	20.0	35.2	66	6	22	25	25	76	57	61	.131	.145	.143	2.03	1.21	3.9	5.2	4.6	5.1
March	28.516	28.870	27.920	36.3	52.2	52.0	58.4	34.3	46.4	84	19	29	29	29	74	43	43	.163	.168	.169	.47	.38	4.1	4.6	5.5	5.0
April	28.454	28.900	28.010	41.9	55.8	57.2	62.5	39.2	50.8	89	22	32	28	28	69	36	41	.197	.157	.160	1.25	.70	5.4	5.6	5.7	5.3
May	28.513	28.915	28.195	56.9	72.9	72.1	77.2	52.9	65.0	94	43	46	46	48	70	42	45	.330	.326	.349	1.24	.51	4.4	4.7	5.4	5.0
June	28.395	28.670	27.980	61.8	71.3	72.3	75.7	58.2	67.0	87	50	57	58	59	86	65	65	.473	.492	.506	4.79	.84	6.3	7.1	6.0	6.5
July	28.516	28.760	28.260	70.5	82.9	82.5	87.1	67.4	77.2	98	59	65	66	66	84	58	60	.628	.640	.651	7.03	1.69	5.7	5.3	4.4	5.7
August	28.529	28.820	28.190	69.0	83.2	80.8	87.3	65.7	76.5	97	47	64	64	64	83	53	58	.596	.603	.616	5.47	1.93	4.5	3.8	3.5	3.9
September	28.574	28.920	28.220	56.0	75.8	71.5	80.4	53.9	67.2	96	29	46	46	46	69	36	42	.332	.341	.346	.85	.56	4.5	3.1	3.4	4.0
October	28.581	29.090	28.067	48.5	64.0	59.6	68.9	45.6	57.2	90	30	41	42	43	78	51	58	.277	.292	.294	3.01	2.16	4.3	5.3	4.1	5.4
November	28.649	29.240	28.010	36.5	46.8	43.2	51.1	33.4	42.2	69	20	32	32	33	83	59	69	.188	.191	.197	2.59	.89	5.5	6.3	3.7	5.7
December	28.641	29.040	28.180	29.4	39.7	36.1	44.3	26.3	35.3	63	15	23	26	26	76	57	65	.128	.143	.143	.01	.01	5.8	4.5	3.6	5.1
Year	28.557	29.240	27.920	46.7	60.2	58.5	65.1	43.8	54.4	98	−10	40	40	41	77	51	55	.296	.302	.308	28.85	2.16	4.8	4.9	4.4	5.0

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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	30.200	30.730	29.843	49.7	59.2	56.6	62.1	47.7	54.9	76	22	46	48	47	86	69	74	0.339	0.361	0.358	2.22	1.85	6.0	5.4	5.2	5.8
February	30.106	30.500	29.700	54.8	61.4	60.3	64.4	52.5	58.4	80	36	52	53	52	91	75	76	.411	.426	.416	1.68	.86	6.4	7.4	7.2	7.8
March	29.932	30.290	29.480	61.3	70.1	68.5	74.6	59.7	67.2	95	38	58	60	60	89	72	78	.504	.538	.560	1.08	.90	6.0	5.2	4.6	5.6
April	29.893	30.300	29.480	62.2	71.2	69.2	74.7	59.6	67.2	88	43	57	57	59	85	64	71	.500	.499	.522	.50	.21	5.4	5.3	4.3	5.3
May	29.908	30.250	29.630	71.0	78.8	77.5	81.6	68.6	75.1	97	58	66	66	66	84	68	70	.647	.658	.651	2.00	1.43	6.3	5.6	4.4	5.5
June	29.807	30.020	29.528	78.4	85.0	82.2	86.6	76.1	81.4	90	69	75	75	75	90	72	80	.874	.867	.870	6.99	6.54	5.7	4.4	3.8	4.5
July	29.955	30.130	29.800	79.8	87.8	84.2	89.4	77.7	83.6	92	74	76	75	76	89	67	77	.904	.873	.906	.33	.30	3.5	4.0	5.3	4.1
August	29.942	30.070	29.750	79.8	89.0	85.5	90.8	76.4	84.6	102	75	76	75	76	89	65	74	.905	.873	.901	1.29	.74	3.0	3.4	5.4	3.5
September	29.922	30.120	29.760	75.3	83.3	80.6	85.7	74.0	79.8	93	66	72	72	73	88	71	78	.780	.800	.811	15.89	7.39	5.9	6.2	6.9	6.0
October	30.000	30.250	29.700	71.9	80.9	77.9	83.1	70.6	76.8	89	52	68	68	69	88	66	76	.705	.707	.737	4.07	3.74	7.7	3.6	2.6	3.1
November	30.123	30.560	29.760	60.8	68.0	65.8	70.5	58.6	64.6	86	44	56	56	58	85	69	78	.476	.496	.516	3.09	1.41	6.1	6.7	6.5	6.9
December	30.142	30.540	29.740	52.6	60.8	58.4	64.1	50.0	57.0	76	35	48	51	53	84	72	82	.358	.407	.421	4.78	2.47	6.4	6.1	6.1	6.2
Year	29.994	30.730	29.480	66.5	74.6	72.2	77.3	64.5	70.9	102	22	62	63	64	87	69	76	.617	.625	.639	43.92	7.39	5.3	5.3	5.2	5.4

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

COLUMBUS, OHIO

[H_b=822 ft.; h_t=179 ft.; h_r=171 ft.; h_a=222 ft.]

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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: Thunderstorms	Aurora
	Miles		*Mi.*																									
January	10.5	W.	50	W.	6	1	1	1	4	14	11	20	10	0	10	6	15	7	5	9	2	0	0	12	0	22	0	0
February	10.0	W.	36	W.	1	0	2	2	8	10	9	11	16	0	7	6	16	14	11	11	5	0	1	7	0	24	0	0
March	11.1	NW.	50	NW.	6	2	6	6	4	6	9	12	17	0	9	11	11	12	6	10	4	1	0	3	0	23	4	0
April	11.8	S.	41	W.	4	4	7	7	7	12	5	4	14	0	1	23	6	9	6	3	1	0	1	0	0	9	1	0
May	7.8	NW.	35	NW.	1	10	7	5	5	4	12	6	13	0	13	13	5	10	5	0	0	0	0	0	0	0	5	0
June	7.9	S.	37	W.	1	4	3	5	8	14	10	7	9	0	6	11	13	18	15	0	0	0	1	0	0	0	10	0
July	6.0	S.	41	NW.	4	8	2	5	4	13	11	8	11	0	14	14	3	14	13	0	0	0	0	0	4	0	12	1
August	6.7	S.	29	NW.	0	11	9	6	3	15	10	3	5	0	12	16	3	5	4	0	0	0	2	0	6	0	7	0
September	8.1	S.	35	W.	1	4	5	6	5	15	8	5	12	0	15	11	4	6	3	0	0	0	1	0	0	0	2	0
October	8.8	S.	35	W.	2	5	1	5	7	20	6	7	11	0	7	14	10	9	8	0	0	0	2	0	0	1	2	0
November	10.1	NW.	36	NW.	3	2	0	4	3	17	6	13	15	0	2	7	21	15	8	5	1	0	3	0	0	8	0	0
December	8.1	S.	33	W.	1	3	1	3	13	12	10	10	10	0	10	5	16	8	5	7	0	0	3	3	0	19	0	0
Year	8.9	S.	50	W.	30	54	44	55	71	152	107	106	143	0	106	137	123	127	89	45	13	1	14	25	10	106	43	1

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	Thunderstorms	Aurora
January	6.5	W.	34	W.	1	5	0	1	4	0	8	9	4	0	12	11	8	9	7	12	6	0	1	14	0	27	0	0
February	5.9	NW.	26	W.	0	5	2	2	3	0	3	4	10	0	16	4	9	12	8	10	8	0	0	14	0	26	0	0
March	6.5	W.	22	W.	0	4	5	0	3	2	0	10	7	0	16	8	7	10	8	16	6	0	0	5	0	28	0	0
April	7.3	W.	29	W.	0	5	5	0	4	2	2	7	5	0	13	7	10	12	9	7	6	0	0	0	0	18	2	0
May	4.7	NW.	23	NW.	0	4	6	8	4	0	0	1	8	0	10	9	12	10	7	0	0	0	1	0	0	2	2	0
June	5.0	SE.	25	N.	0	5	6	3	7	4	1	2	2	0	9	9	12	12	10	0	0	0	0	0	0	0	1	0
July	4.4	S.	20	W.	0	7	6	3	5	2	1	3	4	0	11	12	8	11	9	0	0	0	0	0	2	0	4	1
August	4.0	SE.	16	NW.	0	6	6	3	7	4	1	2	2	0	8	12	11	15	11	0	0	0	0	0	5	0	4	0
September	4.1	NW.	16	NW.	0	8	7	2	2	1	3	3	4	0	8	10	12	11	5	0	0	1	1	0	0	2	2	0
October	4.7	NW.	19	NW.	0	2	8	2	5	1	2	1	10	0	15	6	10	7	6	1	0	0	0	0	0	9	0	0
November	4.8	NW.	25	W.	0	6	7	3	2	1	2	1	8	0	9	7	14	9	8	6	3	0	1	2	0	19	0	0
December	5.0	NW.	24	W.	0	4	3	2	3	3	0	9	7	0	15	6	10	7	6	5	0	0	1	3	0	28	0	0
Year	5.2	NW.	34	W.	1	61	61	29	49	20	23	52	71	0	142	101	123	125	94	57	29	1	5	38	7	159	15	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	Thunderstorms	Aurora
January	6.6	NW.	28	NW.	0	13	2	3	2	12	11	13	5	1	17	7	7	3	1	2	2	0	0	4	0	25	0	0
February	7.4	NW.	22	NW.	0	13	4	4	1	11	7	8	10	0	12	5	12	6	4	6	2	0	0	5	0	21	1	0
March	7.9	NW.	28	NW.	0	9	4	4	7	8	7	11	11	1	14	6	11	3	2	2	1	0	0	0	0	14	1	0
April	9.9	S.	29	S.	0	7	13	3	9	13	4	2	9	0	7	17	6	5	2	2	2	0	0	0	0	8	2	0
May	7.2	S.	23	S.	0	5	12	3	11	9	5	8	9	0	11	12	8	9	6	0	0	0	0	0	2	0	5	0
June	6.3	S.	30	W.	0	3	12	4	9	12	2	3	15	0	4	12	14	18	13	0	0	1	0	0	0	0	14	0
July	5.5	S.	29	NW.	0	2	5	5	18	13	8	6	3	2	8	11	12	15	11	0	0	0	1	0	12	0	11	0
August	5.9	S.	24	NW.	0	6	3	5	17	18	4	3	4	2	18	8	5	10	10	0	0	2	0	0	14	0	11	0
September	6.5	S.	26	NW.	0	5	5	10	16	10	6	6	2	0	13	11	6	7	6	0	0	1	0	0	3	0	4	0
October	6.8	S.	26	S.	0	7	7	11	6	16	4	8	2	1	12	4	15	10	7	2	2	0	4	0	1	1	4	0
November	7.3	S.	30	W.	0	5	3	3	3	11	11	7	11	6	10	7	13	8	8	5	4	0	1	1	0	15	0	0
December	7.0	S.	33	NW.	1	8	2	1	4	15	6	11	12	3	11	8	12	1	0	7	0	0	0	3	0	23	0	0
Year	7.0	S.	33	NW.	1	83	72	56	103	148	75	86	93	16	137	108	121	95	70	26	13	4	6	13	32	107	53	0

CORPUS CHRISTI, TEX.

[H_b=20 ft.; h_t=11 ft.; h_r=63 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	Thunderstorms	Aurora
January	10.2	N.	30	SE.	0	19	5	6	18	5	1	1	7	0	11	6	14	5	4	0	0	0	3	0	0	3	1	0
February	10.7	SE.	30	N.	0	14	12	3	19	2	0	5	3	0	3	8	18	12	7	0	0	0	7	0	0	0	1	0
March	11.6	SE.	31	NW.	0	7	8	7	21	12	1	1	5	0	10	8	13	8	3	0	0	0	7	0	1	0	2	0
April	15.2	SE.	39	N.	5	9	0	0	36	3	0	4	8	0	10	10	10	6	3	0	0	1	0	0	0	0	3	0
May	11.5	SE.	34	NE.	1	6	4	5	37	4	3	1	2	0	10	7	14	0	5	0	0	0	0	0	0	0	5	0
June	15.6	SE.	39	SE.	0	1	2	3	51	1	1	1	0	0	11	14	5	4	4	0	0	0	0	0	0	0	4	0
July	11.5	SE.	26	SE.	0	0	0	1	46	14	0	0	1	0	14	11	6	4	1	0	0	0	0	0	12	0	3	0
August	9.6	SE.	27	NE.	0	0	0	4	35	18	2	0	3	0	19	7	5	5	4	0	0	0	0	0	21	0	8	0
September	9.9	N.	30	N.	0	18	11	5	17	4	1	0	4	0	10	4	16	12	10	0	0	0	0	0	5	0	9	0
October	8.3	SE.	26	N.	0	8	3	13	24	6	0	3	5	0	20	5	3	6	5	0	0	0	0	0	0	0	3	0
November	9.3	N.	31	SE.	0	21	6	6	14	2	2	4	5	0	4	11	15	7	6	0	0	0	3	0	0	0	0	0
December	8.4	N.	34	NW.	1	17	7	7	13	3	2	5	8	0	8	8	15	8	8	0	0	0	1	0	0	0	1	0
Year	11.0	SE.	39	N.	7	120	58	60	331	74	13	25	51	0	130	102	134	83	60	0	0	1	21	0	42	3	40	0

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

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
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.662	30.220	29.180	40.4	52.0	----	58.4	38.3	48.4	79	9	32	32	----	72	49	----	0.212	0.218	----	0.83	0.56	3.8	4.4	----	3.8
February	29.598	29.960	29.100	42.7	52.6	----	58.7	40.9	49.8	71	25	36	38	----	78	59	----	.229	.244	----	3.90	2.14	5.1	5.3	----	5.2
March	29.421	29.880	28.860	50.7	62.3	----	69.4	48.8	59.1	91	33	41	40	----	71	48	----	.273	.271	----	.99	.89	5.2	4.7	----	4.7
April	29.376	29.750	28.890	53.5	64.4	----	70.8	50.7	60.8	89	32	46	46	----	78	53	----	.342	.338	----	3.88	2.03	6.1	5.1	----	4.8
May	29.392	29.780	29.042	64.6	79.7	----	83.9	62.9	73.4	99	49	57	56	----	78	47	----	.481	.473	----	2.02	1.30	3.9	4.5	----	3.9
June	29.278	29.520	28.980	71.2	81.4	----	86.8	68.5	77.6	95	54	66	66	----	84	62	----	.649	.653	----	3.74	1.55	6.3	4.2	----	4.4
July	29.436	29.590	29.250	75.6	86.1	----	90.7	73.9	82.3	97	69	70	68	----	84	56	----	.734	.678	----	3.64	1.32	3.6	4.1	----	4.0
August	29.437	29.580	29.270	75.3	89.2	----	93.3	74.5	83.9	98	66	69	68	----	82	50	----	.710	.677	----	.94	.56	3.0	2.4	----	2.9
September	29.472	29.680	29.250	66.8	81.1	----	85.8	66.2	76.0	93	56	59	58	----	77	47	----	.520	.501	----	.44	.35	3.8	3.7	----	2.9
October	29.492	29.850	29.100	62.6	76.2	----	81.2	60.8	71.0	95	44	56	56	----	82	52	----	.493	.478	----	4.34	1.50	3.5	3.7	----	4.0
November	29.617	30.040	29.190	48.2	58.1	----	62.1	45.7	53.9	79	33	42	42	----	80	58	----	.294	.299	----	1.61	1.07	6.1	5.5	----	5.4
December	29.606	29.970	29.220	40.5	51.8	----	57.1	37.6	47.4	78	25	34	34	----	78	52	----	.207	.204	----	6.68	4.14	3.0	3.2	----	3.5
Year	29.482	30.220	28.860	57.7	69.6	----	74.8	55.7	65.3	99	9	51	50	----	79	53	----	.429	.420	----	33.01	4.14	4.4	4.2	----	4.1

DAVENPORT, IOWA

[ϕ=41° 30′ N.; λ=90° 38′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.426	29.950	28.690	22.2	29.0	28.4	33.8	18.4	26.1	61	−9	18	20	22	85	69	78	0.115	.125	0.133	0.34	0.17	4.9	5.7	3.5	5.4
February	29.412	29.830	28.890	27.1	33.9	32.2	38.7	23.2	31.0	54	5	23	25	25	84	69	74	.134	.147	.168	1.61	.72	6.2	5.8	5.0	5.5
March	29.316	29.800	28.680	33.4	43.1	42.7	49.2	30.7	40.0	81	12	28	27	30	79	54	60	.160	.168	.180	2.61	.68	4.7	5.7	5.3	5.2
April	29.258	29.640	28.730	40.2	50.7	50.1	56.2	37.5	46.8	78	22	32	33	35	74	53	59	.195	.204	.221	3.86	1.51	4.9	7.2	5.5	5.9
May	29.300	29.809	28.960	57.4	70.7	69.3	75.5	52.8	64.2	88	38	44	44	44	63	40	44	.310	.309	.307	1.06	.79	4.5	4.4	4.7	4.5
June	29.166	29.543	28.840	61.3	70.9	71.0	75.5	57.9	66.7	84	49	54	53	55	79	57	59	.438	.429	.448	4.55	1.69	7.4	7.6	6.3	7.3
July	29.320	29.616	29.104	71.2	80.7	80.7	85.5	66.5	76.0	94	54	64	64	65	80	59	60	.614	.617	.633	4.57	2.05	4.0	5.2	4.6	4.7
August	29.341	29.660	28.970	67.4	80.2	79.7	84.3	65.1	74.7	93	52	63	64	65	85	58	61	.583	.615	.625	6.57	2.09	5.1	4.3	3.6	4.4
September	29.380	29.690	29.010	54.0	68.8	65.6	72.9	52.2	62.6	88	36	48	48	50	82	48	57	.363	.365	.385	1.93	1.02	3.1	4.3	2.8	3.5
October	29.392	29.920	28.890	50.1	61.3	58.6	65.5	47.5	56.5	85	28	44	45	47	81	58	66	.314	.331	.350	3.44	.80	5.4	5.4	4.1	5.4
November	29.407	29.950	28.870	37.6	44.3	42.7	47.8	35.0	41.4	67	17	32	32	34	80	66	72	.188	.193	.203	4.29	2.37	6.1	7.0	6.3	6.6
December	29.429	29.834	28.850	27.4	33.6	32.5	38.0	24.6	31.3	53	5	24	25	26	86	70	74	.136	.146	.147	1.64	.94	5.2	5.2	4.8	5.7
Year	29.346	29.950	28.680	45.8	55.6	54.5	60.2	42.6	51.4	94	−9	40	40	42	80	58	64	.296	.304	.317	36.49	2.37	5.1	5.6	4.7	5.3

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	29.134	29.580	28.220	25.5	31.5	31.4	37.4	22.4	29.9	64	−4	20	21	24	80	64	72	0.128	0.134	0.145	1.37	0.59	6.8	6.3	5.5	6.1
February	29.129	29.540	28.580	29.0	35.1	33.4	39.4	25.6	32.5	52	8	24	25	26	79	65	75	.135	.143	.151	2.73	.99	6.8	7.4	5.9	7.4
March	29.005	29.506	28.340	34.3	43.3	41.1	47.6	30.6	39.1	72	18	26	29	30	77	57	64	.162	.174	.169	2.04	.83	7.8	7.5	6.4	7.0
April	28.994	29.330	28.540	42.9	52.1	51.3	57.6	38.7	48.2	75	26	34	34	34	71	51	52	.204	.200	.200	3.62	2.11	7.3	7.0	6.2	6.8
May	29.016	29.470	28.660	55.4	67.2	65.3	71.8	50.3	61.0	87	36	45	43	44	69	46	49	.315	.302	.304	1.48	.37	5.1	6.0	5.3	5.3
June	28.923	29.230	28.670	62.1	70.0	67.8	74.3	57.2	65.8	85	45	55	55	57	79	62	70	.452	.455	.478	7.13	1.18	8.3	7.1	7.5	7.0
July	29.058	29.370	28.840	70.4	81.0	78.7	85.0	65.7	75.4	93	53	63	63	64	79	56	62	.591	.585	.606	2.24	1.38	4.4	8.1	5.1	5.7
August	29.088	29.280	28.860	69.0	82.3	77.8	85.5	65.2	75.4	93	55	64	63	63	84	53	62	.602	.583	.594	3.00	1.02	4.8	5.7	5.6	5.5
September	29.113	29.346	28.800	55.7	69.7	66.3	74.0	52.7	63.4	90	35	49	46	47	79	44	51	.368	.337	.351	.73	.25	2.9	5.3	3.4	4.8
October	29.161	29.550	28.820	52.2	64.8	60.5	68.3	49.1	58.7	87	27	47	46	47	82	52	63	.346	.337	.352	2.89	1.16	5.0	6.1	4.4	5.8
November	29.141	29.490	28.660	40.0	46.6	44.4	50.2	37.2	43.7	73	21	34	35	36	79	66	72	.307	.214	.221	3.50	2.24	8.7	7.7	7.8	8.0
December	29.163	29.470	28.440	32.3	39.6	37.4	43.1	29.5	36.3	59	9	26	30	28	76	67	70	.149	.171	.164	2.09	.96	5.7	5.8	5.0	5.7
Year	29.077	29.580	28.220	47.4	56.9	54.6	61.2	43.7	52.4	93	−4	41	41	42	78	57	64	.313	.303	.311	32.82	2.24	6.2	6.5	5.7	6.3

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
January	29.188	29.720	28.790	40.9	54.9	56.3	60.1	39.5	49.8	80	20	37	35	35	85	54	52	0.236	0.227	0.227	0.71	0.44	4.2	4.6	5.0	4.9
February	29.092	29.500	28.650	48.0	58.8	61.8	65.0	45.8	55.4	89	33	42	40	40	80	56	49	.282	.273	.271	.82	.21	5.6	4.9	5.3	5.2
March	28.920	29.340	28.390	55.6	72.2	75.7	79.0	53.8	66.4	103	33	42	42	38	65	33	32	.298	.287	.266	.35	.32	3.7	3.4	2.9	3.3
April	28.876	29.240	28.420	57.3	73.0	77.6	81.0	56.1	68.6	96	37	47	44	40	70	35	30	.350	.311	.272	.51	.42	3.9	2.2	2.7	3.1
May	28.895	29.350	28.570	67.7	80.7	83.1	85.9	65.8	75.8	100	55	59	57	55	76	50	43	.519	.497	.454	3.76	2.03	5.7	4.4	4.9	4.9
June	28.761	29.030	28.434	75.5	87.8	93.4	95.1	74.8	85.0	105	64	68	65	61	78	48	36	.687	.630	.547	.71	.63	5.6	2.8	1.9	3.4
July	28.919	29.120	28.710	77.4	89.3	94.1	95.4	77.0	86.2	100	70	68	66	66	75	48	34	.698	.646	.519	1.33	1.30	4.4	4.4	3.9	4.3
August	28.932	29.100	28.758	76.6	90.1	90.9	95.4	75.9	85.6	101	68	69	66	63	77	46	43	.705	.639	.584	2.35	1.67	2.8	2.4	4.2	3.3
September	28.970	29.170	28.792	69.6	81.8	81.6	86.1	68.7	77.4	96	59	64	65	63	84	60	58	.609	.627	.597	7.06	3.89	5.5	5.0	5.0	5.2
October	28.992	29.300	28.710	64.5	77.5	77.1	81.6	63.5	72.6	90	48	59	58	58	84	55	53	.534	.524	.503	.76	.52	5.5	3.7	1.5	3.7
November	29.129	29.550	28.798	51.2	62.8	61.7	66.6	48.8	57.7	83	33	45	45	44	81	57	57	.324	.331	.316	.38	.30	5.6	5.6	4.1	5.4
December	29.142	29.550	28.770	42.8	56.9	57.2	61.7	40.9	51.3	76	27	38	38	38	83	53	52	.245	.247	.248	.47	.31	4.1	4.3	3.2	4.2
Year	28.985	29.720	28.390	60.6	73.8	75.9	79.4	59.2	69.3	105	20	53	52	50	78	50	45	.457	.437	.400	19.26	3.89	4.7	4.0	3.7	4.2

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

DALLAS, TEX.

[H_b=512 ft.; h_t=220 ft.; h_r=194 ft.; h_a=227 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: Thunderstorms	Aurora
	Miles		*Mi.*																									
January	10.8	SE.	44	SW.	2	2	2	2	11	5	3	4	2	0	18	5	8	3	2	0	0	0	1	3	0	6	1	0
February	11.7	SE.	46	E.	4	3	4	1	7	4	2	5	3	0	11	7	11	6	6	0	0	0	1	0	0	5	1	0
March	13.5	NE.	46	NW.	5	3	8	1	7	2	2	5	3	0	13	9	9	4	2	0	0	0	2	0	1	0	2	0
April	14.6	SE.	44	NW.	8	5	2	0	12	5	0	4	1	1	12	9	9	10	9	1	0	0	0	0	0	1	6	0
May	11.6	SE.	35	NW.	3	2	2	1	10	7	1	4	4	0	14	13	4	9	7	0	0	0	0	0	6	0	8	0
June	13.5	S.	56	SW.	9	1	7	0	5	13	3	1	0	0	9	17	4	11	9	0	0	1	0	0	11	0	12	0
July	9.0	SE.	34	SE.	1	1	4	1	11	9	5	0	0	0	17	6	8	7	5	0	0	0	0	0	22	0	8	1
August	8.3	SE.	38	W.	2	2	1	5	6	12	1	1	3	0	20	8	3	6	3	0	0	0	0	0	27	0	5	0
September	8.9	SE.	23	NE.	0	5	8	6	8	1	1	1	0	0	19	6	5	5	2	0	0	0	0	0	10	0	5	0
October	10.8	SE.	39	W.	3	0	2	8	11	3	2	4	1	0	16	10	5	11	9	0	0	0	0	0	6	0	8	0
November	10.8	SE.	37	SW.	1	3	4	4	6	2	3	4	4	0	12	6	12	11	5	1	0	0	2	0	0	0	2	0
December	11.2	SE.	41	W.	2	3	2	4	3	6	3	5	5	0	22	2	7	9	8	0	0	0	1	0	0	7	3	0
Year	11.2	SE.	56	SW.	40	30	46	33	97	69	26	38	26	1	183	98	85	92	67	2	0	1	7	3	83	19	61	1

DAVENPORT, IOWA

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	7.0	W.	30	NW.	0	1	1	5	2	7	14	14	18	0	11	8	12	7	3	9	3	0	1	12	0	25	0	0
February	7.5	NW.	26	NW.	0	1	2	10	1	7	6	8	22	1	10	7	12	9	8	11	2	0	2	6	0	23	0	0
March	7.2	NW.	26	E.	0	4	9	4	3	11	8	5	18	0	13	8	10	7	7	6	4	0	0	1	0	23	2	0
April	8.5	NW.	28	W.	0	5	3	6	4	10	2	11	18	1	9	9	12	10	8	4	2	0	0	1	0	7	2	0
May	6.2	NW.	21	E.	0	5	8	6	4	11	7	5	16	0	11	14	6	6	5	0	0	0	0	0	0	0	3	0
June	6.2	NW.	34	SE.	1	3	5	5	4	12	8	8	14	1	3	13	14	14	10	0	0	1	0	0	0	0	8	0
July	4.7	S.	22	W.	0	4	4	5	4	9	11	7	16	2	14	9	8	9	8	0	0	0	0	0	7	0	9	2
August	5.4	S.	29	SW.	0	5	7	12	5	13	6	5	9	0	13	12	6	10	9	0	0	1	0	0	7	0	10	0
September	5.1	NW.	18	S.	0	1	8	10	3	10	7	7	14	0	16	9	5	7	7	0	0	0	0	0	0	0	4	0
October	6.0	S.	23	W.	0	0	5	8	6	13	8	5	17	0	13	5	13	13	9	0	0	0	0	0	0	2	6	0
November	7.3	NW.	26	S.	0	2	7	4	0	10	10	10	17	0	9	4	17	13	11	6	2	0	1	1	0	9	0	0
December	6.6	S.	22	W.	0	1	4	7	4	15	6	7	18	0	11	7	13	10	7	9	6	0	6	7	0	23	0	0
Year	6.4	NW.	34	SE.	1	32	63	82	40	128	93	92	197	5	133	105	128	115	92	45	19	2	10	28	14	112	44	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	Thunderstorms	Aurora
January	10.8	SW.	44	W.	4	3	5	1	3	7	28	11	4	0	8	10	13	8	4	7	3	0	1	11	0	20	2	0
February	9.4	SW.	27	SW.	0	1	4	3	3	7	20	9	11	0	5	7	17	12	12	10	5	0	0	6	0	23	1	0
March	10.0	NW.	41	W.	1	6	11	5	2	5	13	9	11	0	5	12	14	8	6	8	1	0	0	3	0	22	4	0
April	11.4	SW.	42	S.	4	6	12	3	2	7	12	11	7	0	3	13	9	12	8	4	1	0	0	0	0	9	2	0
May	7.4	SW.	28	NW.	0	6	20	2	1	4	17	3	8	1	9	15	7	12	11	0	0	0	1	0	0	0	6	0
June	8.1	SW.	33	SW.	1	3	7	6	5	9	14	9	7	0	3	14	13	21	16	0	0	0	0	0	0	0	7	0
July	5.8	SW.	33	W.	1	13	9	4	1	4	22	2	7	0	6	22	3	7	6	0	0	0	0	0	5	0	7	1
August	6.2	NE.	35	W.	1	6	22	1	3	4	19	3	4	0	5	21	5	9	7	0	0	0	1	0	6	0	9	0
September	7.4	SW.	28	W.	0	3	13	3	1	6	17	9	6	2	8	17	5	8	4	0	0	0	2	0	0	0	1	0
October	7.5	SW.	29	W.	0	7	5	4	6	12	13	10	4	1	6	16	9	9	7	0	0	0	1	0	0	2	2	0
November	9.6	SW.	36	NW.	1	1	3	4	2	6	18	10	16	0	3	6	21	15	10	3	2	0	0	1	0	10	0	0
December	7.2	SW.	28	SW.	0	5	3	5	6	14	15	4	10	0	9	9	13	7	6	9	0	0	0	3	0	20	0	0
Year	8.4	SW.	44	W.	13	60	114	41	35	85	208	90	95	4	70	167	129	128	97	41	12	0	6	24	11	106	41	1

DEL RIO, TEX.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	6.2	SE.	28	NW.	0	9	1	10	20	6	0	2	14	0	15	5	11	6	4	1	1	0	1	1	0	4	0	0
February	7.3	SE.	29	NW.	0	6	3	19	20	6	1	1	11	0	13	6	10	9	7	0	0	0	0	0	0	0	1	0
March	8.6	SE.	33	NW.	1	8	3	15	17	5	1	3	10	0	20	5	6	2	1	0	0	1	0	0	4	0	1	0
April	10.1	SE.	34	W.	1	6	4	11	24	6	0	0	8	1	20	6	4	2	2	0	0	0	0	0	5	0	2	0
May	7.9	SE.	29	SE.	0	4	3	16	27	4	0	4	4	0	12	9	10	9	7	0	0	0	0	0	10	0	9	0
June	11.1	SE.	27	SE.	0	1	3	9	36	6	0	0	3	0	16	13	1	3	2	0	0	0	0	0	24	0	2	0
July	9.5	SE.	27	S.	0	0	0	11	41	3	1	0	1	0	13	11	7	3	2	0	0	0	0	0	27	0	2	0
August	7.9	SE.	26	NE.	0	0	4	15	30	5	0	4	4	0	19	10	2	5	4	0	0	0	0	0	29	0	6	0
September	5.6	SE.	22	SE.	0	7	4	14	19	7	0	2	6	1	12	8	10	10	9	0	0	0	0	0	15	0	5	0
October	7.8	SE.	25	NW.	0	5	2	11	32	8	0	0	4	0	17	9	5	3	3	0	0	1	0	0	1	0	1	0
November	6.3	SE.	31	N.	0	12	1	10	20	5	1	2	9	0	11	7	12	5	2	0	0	0	1	0	0	0	0	0
December	6.3	SE.	29	NW.	0	11	1	5	21	4	1	4	14	1	17	6	8	7	4	0	0	0	2	0	0	5	0	0
Year	7.9	SE.	34	W.	2	69	29	137	309	70	5	22	88	3	185	96	86	64	47	1	1	2	4	1	115	9	29	0

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

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
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	24.765	25.070	24.240	29.2	42.9	40.6	48.4	29.4	36.6	70	−10	15	15	17	56	37	40	0.086	0.090	0.095	0.24	0.21	2.9	4.0	4.4	3.5
February	24.744	25.030	24.286	25.4	38.5	38.3	44.3	22.2	33.2	62	2	16	16	16	67	42	45	.088	.089	.090	.59	23	4.1	4.5	5.9	4.7
March	24.671	24.960	24.116	33.1	47.3	47.3	53.1	30.8	42.0	72	10	20	22	23	59	42	44	.108	.115	.122	1.40	.54	4.3	5.5	6.4	5.3
April	24.611	24.960	24.250	36.0	51.5	54.0	58.4	33.3	45.8	76	12	23	21	18	60	36	30	.123	.117	.104	1.36	.88	2.8	5.6	6.6	4.9
May	24.761	25.040	24.502	49.8	63.5	63.6	68.2	47.2	57.7	89	36	40	38	39	72	45	48	.252	.236	.246	3.06	.83	4.1	5.6	6.1	5.3
June	24.639	24.910	24.150	52.7	66.9	67.8	72.1	49.9	61.0	89	42	44	42	42	74	46	45	.297	.282	.280	2.42	1.57	4.7	4.6	6.2	5.5
July	24.813	25.060	24.510	60.8	79.2	79.4	83.6	58.5	71.0	95	52	48	44	46	65	34	35	.343	.307	.325	1.01	.57	3.4	3.9	6.4	4.5
August	24.810	25.010	24.540	59.7	78.2	77.9	83.4	57.7	70.6	96	49	43	40	42	56	28	31	.284	.249	.272	.85	.69	3.6	4.8	5.4	4.1
September	24.804	25.150	24.475	51.8	70.4	70.7	76.0	49.3	62.6	90	36	35	32	34	55	28	28	.205	.183	.203	.07	.06	2.6	2.9	4.6	3.2
October	24.757	25.040	24.230	42.5	57.4	56.7	62.2	39.3	50.8	85	24	31	28	31	67	43	47	.173	.158	.178	1.97	.93	5.0	5.3	5.9	5.1
November	24.778	25.170	24.190	32.3	46.0	43.0	50.0	29.2	39.6	72	10	21	22	26	65	42	55	.113	.117	.141	1.58	.88	3.7	4.6	5.4	4.7
December	24.748	25.100	24.340	24.1	38.8	33.0	42.9	19.6	31.2	70	2	10	14	19	54	37	57	.066	.082	.104	.06	.05	1.5	2.5	2.8	2.4
Year	24.742	25.170	24.116	41.4	56.7	56.0	61.9	38.5	50.2	96	−10	29	28	29	62	38	42	.178	.169	.180	14.61	1.57	3.6	4.5	5.4	4.4

DES MOINES, IOWA

[ϕ=41° 35′ N.; λ=93° 37′ 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	29.184	29.750	28.541	22.4	30.7	31.3	37.1	18.9	28.0	65	−8	17	18	21	78	59	64	0.107	0.116	0.126	0.11	0.05	5.2	5.1	4.5	5.1
February	29.156	29.570	28.660	26.6	33.8	32.7	38.3	22.4	30.4	62	0	21	22	23	80	62	67	.127	.131	.135	3.10	1.30	4.9	6.1	5.2	5.6
March	29.060	29.500	28.450	33.5	45.2	45.1	51.0	30.6	40.8	84	14	28	28	30	78	52	56	.156	.162	.175	1.71	.04	4.5	5.6	5.2	5.2
April	29.063	29.420	28.480	38.4	50.3	50.8	55.9	34.9	45.4	80	19	30	31	31	73	51	51	.179	.186	.187	1.95	.63	6.0	6.5	5.9	6.4
May	29.049	29.530	28.730	56.4	69.9	70.9	75.5	52.8	64.2	91	40	44	42	44	65	40	41	.306	.292	.310	2.63	2.04	4.8	5.6	4.6	5.1
June	28.922	29.240	28.560	60.6	71.9	70.9	75.4	57.0	66.2	86	48	54	52	53	80	51	56	.429	.407	.421	6.62	2.06	7.3	6.7	6.2	7.0
July	29.061	29.340	28.821	68.8	80.7	80.6	85.3	65.4	75.4	95	57	64	63	65	85	56	60	.603	.588	.629	5.68	1.20	4.4	5.2	4.5	4.9
August	29.078	29.430	28.642	66.6	79.3	78.4	83.9	63.8	73.8	94	49	62	63	65	87	60	64	.577	.602	.629	7.75	3.07	4.7	4.6	4.2	4.2
September	29.114	29.450	28.760	53.3	68.9	66.7	73.0	51.0	62.0	89	34	49	47	49	84	48	55	.364	.354	.333	1.87	.55	4.0	3.7	2.9	3.7
October	29.124	29.660	28.550	49.4	61.9	58.3	65.7	45.5	55.6	88	29	43	43	44	80	55	62	.305	.311	.312	3.08	1.71	6.1	5.5	4.5	5.6
November	29.159	29.760	28.590	36.5	43.8	42.3	47.6	33.1	40.4	67	17	32	33	33	84	69	72	.189	.196	.196	4.62	1.20	5.9	6.6	4.7	6.3
December	29.163	29.610	28.610	25.5	33.6	32.2	37.7	21.9	29.8	50	0	22	25	26	88	70	78	.127	.142	.148	1.03	.76	5.6	6.0	4.4	6.0
Year	29.089	29.760	28.450	44.8	55.8	55.0	60.5	41.4	51.0	95	−8	39	39	40	80	56	60	.289	.291	.304	40.15	3.07	5.3	5.6	4.7	5.4

DETROIT, MICH.

[ϕ=42° 20′ N.; λ=83° 03′ 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	29.189	29.740	28.190	23.1	26.6	27.7	32.5	20.3	26.4	54	2	20	22	23	86	80	82	0.118	0.128	0.136	1.36	0.55	6.9	8.3	6.8	7.5
February	29.243	29.750	28.640	24.3	29.5	28.4	33.3	20.2	27.0	45	5	21	22	23	84	72	78	.118	.125	.130	1.34	.34	6.9	7.4	5.2	6.9
March	29.132	29.680	28.380	29.8	37.3	34.7	41.5	25.9	33.7	72	11	23	26	25	76	66	67	.134	.156	.144	1.99	.58	6.7	6.2	5.7	6.5
April	29.127	29.481	28.543	39.0	47.3	44.8	52.2	35.2	43.7	73	24	32	33	34	78	59	67	.199	.203	.214	1.96	.75	6.5	6.4	5.0	6.3
May	29.177	29.712	28.819	53.7	62.8	60.1	67.8	48.7	58.2	83	34	42	41	41	66	49	52	.282	.278	.281	2.57	.81	4.6	5.7	3.9	5.0
June	29.062	29.480	28.730	60.2	67.5	65.2	71.5	55.3	63.4	84	44	54	56	55	82	68	72	.436	.458	.451	3.83	1.33	6.0	7.1	7.1	7.2
July	29.200	29.531	28.990	69.7	77.8	75.3	82.9	64.3	73.6	93	56	61	62	62	74	59	64	.540	.561	.568	4.07	1.44	4.5	5.4	4.6	5.8
August	29.249	29.520	28.980	68.3	77.6	74.7	82.3	64.1	73.2	92	53	61	60	61	80	56	63	.558	.537	.551	2.02	.41	3.7	4.9	3.7	4.6
September	29.257	29.590	28.900	55.2	65.3	61.8	68.9	52.6	60.8	86	35	48	46	48	78	52	62	.353	.342	.340	1.68	.96	3.6	5.3	2.6	5.0
October	29.290	29.704	28.900	50.7	58.9	56.1	63.3	47.5	55.4	86	28	46	44	45	84	60	68	.332	.320	.325	1.82	.34	4.9	6.0	4.7	6.0
November	29.227	29.620	28.670	39.0	44.2	42.7	47.8	37.1	42.4	71	19	35	34	35	85	68	75	.211	.204	.213	2.69	1.01	6.8	8.3	7.6	8.0
December	29.295	29.640	28.530	30.6	34.4	34.0	38.3	27.5	32.9	53	9	27	28	28	86	76	80	.153	.158	.160	1.39	.87	7.5	7.7	6.1	7.4
Year	29.204	29.750	28.190	45.3	52.4	50.5	56.9	41.6	49.2	93	2	39	40	40	80	64	69	.286	.289	.294	26.71	1.44	5.7	6.6	5.3	6.4

DEVILS LAKE, N. DAK.

[ϕ=48° 07′ N.; λ=98° 52′ W.]

Month	Monthly mean	Maximum	Minimum	8 a. m.	Noon, local time	8 p. m.	Maximum	Minimum	Monthly	Maximum	Minimum	8 a. m.	Noon, local time	8 p. m.	8 a. m.	Noon, local time	8 p. m.	8 a. m.	Noon, local time	8 p. m.	Total	Maximum in 24 hours	8 a. m.	Noon, local time	8 p. m.	Daylight
January	28.413	29.090	27.820	7.8	14.6	12.1	19.9	2.1	11.0	41	−25	5	10	9	88	83	86	0.065	0.088	0.078	0.10	0.03	4.2	4.2	3.0	4.4
February	28.452	28.760	28.040	10.6	20.8	20.0	26.1	7.6	16.8	40	−7	8	16	15	88	82	84	.065	.094	.096	.01*	.02	4.4	5.6	4.5	5.1
March	28.396	28.990	27.920	15.6	30.2	27.9	33.7	11.7	22.7	61	−9	12	22	22	83	73	78	.089	.127	.122	.67	.32	4.8	4.6	5.2	4.6
April	28.347	28.890	27.730	26.0	41.0	39.8	45.4	22.3	33.8	76	3	20	24	24	77	53	57	.110	.132	.130	1.08	.40	4.9	4.4	5.1	4.7
May	28.407	28.960	27.940	46.8	66.9	65.2	71.3	42.6	57.0	94	26	35	36	36	65	36	38	.215	.229	.221	2.44	1.13	4.3	4.2	4.4	4.3
June	28.268	28.550	27.740	52.1	64.8	63.9	68.3	46.8	57.6	83	35	47	48	48	82	58	59	.328	.341	.343	5.17	1.52	4.6	6.2	4.6	5.2
July	28.386	28.680	27.870	59.0	73.4	71.8	76.7	55.4	66.0	89	45	58	58	59	89	60	65	.448	.496	.511	3.27	.79	4.7	5.3	2.8	4.7
August	28.389	28.650	28.100	54.8	71.8	70.0	76.6	50.9	63.8	95	34	50	51	53	84	50	57	.371	.392	.415	3.34	1.04	3.9	3.6	3.3	3.8
September	28.396	28.760	27.960	42.7	61.6	57.8	65.9	39.8	52.8	87	20	38	39	39	83	47	52	.243	.258	.258	.27	.18	4.0	3.8	3.3	3.9
October	28.432	29.010	27.750	32.6	49.9	44.1	53.6	29.1	41.4	75	11	26	30	29	77	49	56	.145	.169	.160	.06	.03	5.2	4.4	3.9	5.0
November	28.436	28.970	27.630	23.4	36.6	31.9	40.2	19.8	30.0	54	6	20	27	24	86	67	74	.110	.144	.130	1.73	1.72	4.4	4.8	4.1	4.7
December	28.393	28.920	27.800	15.9	22.6	20.6	27.2	10.9	19.0	45	−17	13	18	16	87	82	85	.086	.103	.099	.81	.08	4.1	5.2	3.0	5.5
Year	28.393	29.090	27.630	32.3	46.2	43.7	50.4	28.2	39.3	95	−25	28	32	31	83	62	66	.189	.214	.214	18.46	1.72	4.5	4.7	4.1	4.7

* Feb. 29–Mar. 1.

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

DENVER, COLO.

[H_b=5,292 ft.; h_t=106 ft.; h_r=98 ft.; h_a=113 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: Thunderstorms	Electricity: Aurora
	Miles		*Mi.*																									
January	7.0	S.	28	NE.	0	10	7	4	0	17	5	11	8	0	19	10	2	3	1	5	3	0	0	2	0	24	0	0
February	6.7	S.	24	NW.	0	12	10	1	1	18	1	4	11	0	11	11	7	9	5	10	9	0	0	4	0	26	0	0
March	6.6	S.	41	NW.	1	7	6	2	4	19	4	11	9	0	8	15	8	8	7	8	7	0	0	1	0	18	0	0
April	7.7	S.	31	E.	0	6	5	3	5	14	9	9	9	0	10	13	7	5	4	7	5	0	0	1	0	12	0	0
May	6.5	S.	28	N.	0	7	11	3	6	18	7	1	9	0	11	9	11	16	15	0	0	2	0	0	0	0	5	0
June	6.7	N.	27	W.	0	14	7	6	7	10	5	5	6	0	9	12	9	11	6	0	0	2	0	0	0	0	10	0
July	6.0	S.	32	N.	0	10	4	5	8	20	5	3	7	0	13	12	6	9	5	0	0	0	1	0	7	0	14	1
August	6.5	S.	31	N.	0	5	7	1	7	18	11	6	7	0	15	12	4	7	2	0	0	0	0	0	3	0	9	0
September	6.2	S.	41	NW.	1	9	6	4	2	19	9	0	9	0	16	11	3	2	1	0	0	0	1	0	1	0	4	0
October	6.1	S.	27	NW.	0	12	7	2	4	18	2	4	13	0	14	6	11	10	6	4	3	1	0	0	0	5	1	1
November	6.2	S.	28	W.	0	11	7	6	3	23	2	2	6	0	12	10	8	6	6	5	5	0	0	4	0	14	0	0
December	6.3	S.	26	W.	0	10	6	2	4	29	3	3	5	0	20	11	0	2	1	5	2	0	2	5	0	29	0	0
Year	6.5	S.	41	NW.	2	113	85	39	51	223	63	59	99	0	158	132	76	88	59	44	34	5	4	17	11	128	43	2

DES MOINES, IOWA

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	6.8	NW.	22	NW.	0	6	4	2	4	2	16	15	13	0	14	7	10	3	2	4	0	0	0	9	0	25	0	0
February	6.9	NW.	20	SW.	0	11	3	4	4	2	10	9	14	1	9	7	13	10	8	9	7	0	0	8	0	24	0	0
March	6.7	N.	28	SW.	0	11	8	4	5	4	6	11	12	1	11	11	9	5	5	4	1	0	1	1	0	23	2	0
April	8.5	N.	28	SW.	0	16	5	4	8	4	11	3	9	0	7	7	16	9	9	5	4	1	0	0	0	12	1	0
May	6.3	N.	29	SW.	0	16	3	3	7	11	8	6	8	0	12	8	11	9	6	0	0	0	0	0	2	0	4	0
June	6.0	N.	35	SW.	1	13	6	3	5	8	7	8	9	1	4	10	6	15	11	0	0	0	1	0	0	0	10	0
July	5.3	S.	23	SW.	0	9	3	2	9	13	14	10	2	0	12	13	6	14	12	0	0	0	0	0	7	0	16	0
August	5.8	S.	27	SW.	0	14	2	3	14	11	15	2	1	0	16	8	7	11	9	0	0	0	0	0	7	0	10	1
September	5.7	S.	21	SW.	0	5	0	5	7	11	14	11	7	0	18	6	6	10	9	0	0	0	2	0	0	0	9	0
October	6.4	N.	35	SW.	1	12	3	0	7	11	7	10	12	0	12	5	14	9	6	0	0	0	0	0	0	2	2	1
November	7.4	SW.	37	SW.	1	13	2	1	2	6	13	10	13	0	11	5	14	10	9	8	5	0	0	0	0	12	1	0
December	6.0	SW.	23	SW.	0	10	2	3	5	8	13	9	12	0	9	7	15	5	4	9	4	0	1	8	0	25	1	0
Year	6.5	N.	37	SW.	3	136	41	34	77	91	134	104	112	3	135	94	137	110	90	39	21	1	5	26	16	123	56	2

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	Thunderstorms	Aurora
January	12.3	SW.	38	W.	3	2	2	2	3	4	26	18	5	0	4	8	19	11	6	17	9	0	1	13	0	26	0	0
February	10.9	SW.	40	SW.	2	5	6	3	4	7	14	11	8	0	6	7	16	15	10	16	9	0	3	13	0	27	0	0
March	10.9	NW.	41	SW.	1	3	8	4	3	5	12	13	14	0	7	10	14	11	10	16	8	0	3	7	0	25	3	0
April	11.2	SW.	48	SW.	4	1	9	5	10	9	10	7	9	0	6	11	13	10	7	9	1	0	1	0	0	12	3	0
May	7.2	SW.	26	SW.	0	6	12	9	10	1	9	5	10	0	10	11	10	12	9	0	0	0	0	0	0	0	7	0
June	8.7	SW.	30	SW.	0	0	6	8	11	5	15	9	6	0	3	10	17	12	9	0	0	0	0	0	0	0	2	0
July	7.1	SW.	27	SW.	0	4	9	5	6	2	15	12	9	0	5	18	8	8	6	0	0	0	0	0	2	0	5	2
August	7.2	SW.	26	NE.	0	4	11	8	9	4	14	4	8	0	11	15	5	8	8	0	0	0	1	0	4	0	10	1
September	9.2	SW.	31	SW.	0	3	10	4	5	0	15	16	7	0	10	11	9	8	5	0	0	0	0	0	0	0	2	0
October	8.1	SW.	33	SW.	1	6	1	3	5	10	16	14	7	0	9	8	14	14	10	2	0	1	1	0	0	2	4	0
November	10.4	SW.	38	SW.	1	6	3	4	0	3	22	16	6	0	2	8	20	11	9	6	2	0	1	1	0	7	0	0
December	9.2	SW.	36	SW.	1	4	1	4	7	6	20	17	3	0	4	8	19	11	6	11	5	0	0	7	0	24	0	0
Year	9.4	SW.	48	SW.	13	44	78	59	73	56	188	142	92	0	77	125	164	131	95	77	34	1	11	41	6	123	36	3

DEVILS LAKE, N. DAK.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	9.3	W.	38	NW.	1	2	2	0	2	5	13	24	14	0	12	12	7	6	0	10	6	0	0	20	0	30	0	0
February	8.7	NW.	34	NW.	1	5	6	2	4	3	19	11	17	0	10	10	9	1	0	8	1	0	1	19	0	29	0	1
March	8.1	NW.	30	N.	0	10	9	4	5	6	9	6	13	0	15	7	9	7	3	13	6	0	1	16	0	28	0	1
April	10.0	N.	34	N.	2	16	5	3	7	11	4	1	13	0	14	7	9	6	5	7	3	1	0	5	0	25	0	0
May	8.1	N.	29	NW.	0	12	5	5	13	5	5	11	6	0	16	7	8	6	5	0	0	0	0	0	1	4	1	1
June	7.1	W.	27	N.	0	11	7	5	12	2	9	3	11	0	10	9	11	14	11	0	0	0	0	0	0	0	2	0
July	6.4	NW.	35	NW.	1	9	14	3	11	2	5	5	13	0	13	9	9	12	11	0	0	0	0	0	0	0	10	0
August	6.0	N.	26	NE.	0	11	3	5	5	10	8	3	11	0	16	8	7	10	8	0	0	0	0	0	2	0	9	2
September	7.7	NW.	28	N.	0	5	3	7	4	9	3	17	12	0	15	8	7	6	1	0	0	1	2	0	9	7	1	0
October	8.2	NW.	38	NW.	0	13	3	2	10	3	7	9	15	0	11	9	11	3	0	2	0	0	0	1	0	19	0	0
November	8.2	W.	28	NW.	0	5	5	0	10	4	11	14	11	0	14	7	9	2	2	3	0	0	2	5	0	30	0	1
December	8.4	SW.	34	N.	1	6	4	1	8	5	12	13	13	0	11	7	13	10	3	12	9	0	1	17	0	31	0	0
Year	8.1	NW.	38	NW.	6	105	71	38	91	65	96	117	149	0	157	100	109	83	49	55	25	2	8	83	3	203	23	6

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

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
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	27.521	28.020	26.900	25.1	45.7	40.4	51.3	22.0	36.6	76	−6	17	19	19	71	39	45	0.099	0.108	0.106	0.03	0.02	3.8	2.5	1.8	2.1
February	27.485	27.800	26.950	28.2	42.5	39.7	48.0	25.1	36.6	71	9	24	26	27	82	56	63	.130	.143	.153	1.60	.78	3.4	3.9	4.0	3.1
March	27.380	27.760	26.720	35.0	52.7	51.9	58.2	32.4	45.3	81	14	29	30	29	78	47	47	.160	.166	.163	1.84	1.38	3.5	3.2	4.2	3.2
April	27.308	27.740	26.930	49.8	58.1	57.9	63.2	37.1	50.2	87	20	30	29	28	70	39	38	.172	.165	.162	2.54	1.66	3.9	3.6	4.0	3.6
May	27.391	27.774	27.090	54.3	70.4	69.4	74.9	50.9	62.9	92	41	47	48	50	78	50	54	.328	.350	.371	3.85	1.11	3.8	4.0	4.0	3.7
June	27.274	27.550	26.870	59.2	71.8	72.0	76.7	56.3	66.5	90	40	55	58	58	86	62	64	.435	.481	.495	5.30	1.52	5.4	4.9	4.0	4.6
July	27.410	27.632	27.181	68.7	85.7	83.7	89.9	66.3	78.1	100	60	61	62	61	80	47	50	.549	.553	.541	2.34	.97	3.5	2.7	3.5	3.2
August	27.438	27.680	27.158	65.5	84.4	81.4	88.3	63.4	75.8	95	44	59	58	59	80	43	50	.511	.487	.510	2.78	1.60	3.6	2.8	3.4	2.7
September	27.450	27.760	27.120	55.4	79.2	73.4	83.3	53.7	68.5	97	42	45	45	46	70	32	40	.319	.310	.324	1.13	1.08	1.1	1.1	1.5	1.1
October	27.444	27.860	27.010	48.1	65.4	59.6	70.0	45.0	57.5	92	29	40	42	42	76	48	56	.264	.280	.274	3.19	1.36	4.0	3.7	3.2	3.5
November	27.510	28.010	26.990	35.1	48.9	43.5	53.5	31.8	42.6	70	20	31	34	35	85	58	71	.178	.197	.207	2.35	.94	4.3	2.9	3.8	3.5
December	27.498	27.870	27.029	28.7	42.6	36.6	46.5	24.9	35.7	69	13	24	27	27	81	57	67	.129	.150	.148	.82	.43	4.2	3.8	2.5	3.5
Year	27.426	28.020	26.720	45.3	62.3	59.1	67.0	42.4	54.7	100	−6	38	40	40	78	48	54	.273	.282	.288	27.77	1.66	3.7	3.3	3.3	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	29.304	29.820	28.564	19.9	27.4	26.1	31.7	15.9	23.8	54	−10	17	18	20	86	66	76	0.105	0.113	0.118	0.20	0.13	5.1	5.5	4.3	5.3
February	29.305	29.760	28.820	25.0	31.7	29.8	35.3	21.1	28.2	51	0	20	21	22	80	64	74	.116	.124	.128	1.69	1.00	6.0	5.9	5.3	5.6
March	29.214	29.680	28.633	31.8	40.5	40.9	45.9	28.8	37.4	80	10	25	25	28	73	53	59	.140	.145	.162	2.14	.65	5.3	5.4	5.9	5.3
April	29.155	29.580	28.600	38.6	48.5	48.3	53.0	35.4	44.2	75	21	31	30	34	74	51	59	.180	.177	.207	1.71	.51	5.3	7.1	6.3	5.9
May	29.209	29.740	28.897	55.6	68.4	67.7	73.6	51.3	62.4	90	39	43	42	44	65	40	47	.298	.280	.314	1.55	.42	4.3	5.7	5.6	5.0
June	29.074	29.470	28.760	59.6	69.5	69.8	73.5	55.5	64.5	83	46	52	50	52	76	54	56	.397	.386	.409	3.87	1.03	7.3	8.2	6.1	7.3
July	29.228	29.530	28.960	68.1	79.1	78.5	82.8	64.3	73.6	92	51	62	62	64	82	58	62	.570	.572	.604	3.22	1.72	4.7	7.1	4.8	5.8
August	29.254	29.550	28.850	65.5	78.0	76.6	81.5	62.0	71.8	92	49	61	61	64	86	58	66	.553	.564	.610	9.38	3.73	5.2	4.8	3.7	4.7
September	29.279	29.590	28.870	52.5	67.2	62.8	70.0	49.6	59.8	82	33	47	48	49	83	51	61	.346	.360	.373	1.27	.47	4.0	4.9	2.5	3.9
October	29.289	29.800	28.700	47.8	59.8	56.7	62.7	45.0	53.8	85	25	43	43	44	83	57	65	.283	.308	.324	3.46	.90	6.1	6.3	5.0	6.0
November	29.302	29.840	28.850	36.0	42.4	40.7	45.3	33.1	39.2	64	17	30	31	32	80	66	73	.172	.180	.187	4.88	1.54	7.0	6.7	6.4	6.9
December	29.323	29.750	28.690	26.0	31.5	29.9	35.8	22.4	29.1	50	1	22	22	24	84	67	77	.127	.127	.137	1.09	.81	5.5	5.9	5.0	6.5
Year	29.245	29.840	28.564	43.9	53.7	52.3	57.6	40.4	49.0	92	−10	38	38	40	79	57	65	.275	.278	.298	34.46	3.73	5.5	6.1	5.1	5.7

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	29.421	29.870	28.780	34.2	48.4	----	53.5	32.0	42.8	75	6	28	32	----	78	54	----	0.179	0.214	----	2.30	1.02	3.6	4.1	----	4.4
February	29.388	29.750	28.890	37.0	48.2	----	54.3	34.2	44.2	67	17	31	33	----	79	60	----	.182	.205	----	2.65	1.19	5.7	5.4	----	5.8
March	29.233	29.650	28.786	45.0	55.8	----	52.7	42.0	52.4	83	26	39	40	----	80	57	----	.253	.266	----	4.15	.84	5.7	5.5	----	5.2
April	29.254	29.660	28.730	53.2	63.6	----	68.1	47.9	58.0	79	34	46	45	----	77	55	----	.329	.325	----	5.96	1.53	5.1	5.9	----	5.7
May	29.212	29.660	28.890	62.0	73.6	----	77.2	56.1	66.6	89	45	53	50	----	74	47	----	.416	.360	----	6.42	1.92	5.6	4.8	----	4.9
June	29.223	29.387	29.050	70.6	81.9	----	84.4	65.6	75.0	94	52	65	63	----	82	57	----	.617	.594	----	3.89	.75	6.1	6.6	----	6.3
July	29.291	29.499	29.120	74.1	85.3	----	89.2	69.2	79.2	96	63	70	68	----	86	57	----	.722	.684	----	2.44	.77	4.9	5.8	----	5.5
August	29.311	29.500	28.780	73.9	84.0	----	87.8	69.3	78.6	93	66	70	70	----	89	64	----	.743	.734	----	13.90	5.63	5.6	6.2	----	5.6
September	29.281	29.510	28.820	65.0	76.1	----	79.3	60.9	70.1	91	46	62	62	----	91	64	----	.576	.582	----	4.03	1.25	5.2	5.4	----	5.0
October	29.419	29.700	29.041	58.3	71.5	----	74.9	55.2	65.0	87	39	54	54	----	86	56	----	.451	.451	----	1.78	.88	4.9	3.9	----	4.3
November	29.416	29.810	29.040	44.0	59.4	----	62.4	40.4	51.4	77	18	39	39	----	83	48	----	.264	.268	----	.76	.32	4.8	4.3	----	4.3
December	29.405	29.740	28.950	37.8	50.3	----	54.2	34.5	44.4	68	22	33	35	----	83	57	----	.203	.220	----	1.20	.42	4.5	4.7	----	4.8
Year	29.321	29.870	28.730	54.6	66.6	----	70.7	50.6	60.6	96	6	49	49	----	82	56	----	.411	.410	----	49.48	5.63	5.1	5.2	----	5.2

DULUTH, MINN.

[ϕ=46° 47′ N.; λ=92° 06′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	28.715	29.330	28.040	7.5	15.6	13.0	19.1	2.5	10.8	42	−27	7	11	10	96	82	90	0.074	0.082	0.080	0.70	0.52	4.8	4.7	4.7	4.8
February	28.795	29.280	28.280	10.1	18.7	16.7	22.7	6.1	14.4	38	−18	8	12	13	92	76	83	.069	.081	.083	.30	.18	4.4	4.8	4.0	4.8
March	28.722	29.220	28.260	18.1	29.0	27.2	34.3	15.7	25.0	64	−7	14	18	19	83	62	71	.086	.101	.109	.83	.49	4.5	3.7	4.3	3.9
April	28.677	29.190	27.950	28.5	37.2	35.2	41.7	24.9	33.3	67	10	21	24	25	74	61	68	.117	.132	.138	2.90	.77	5.8	5.9	5.5	6.0
May	28.760	29.240	28.310	48.9	57.7	55.5	64.3	41.3	52.8	84	33	38	36	37	67	48	52	.232	.220	.227	.95	.67	4.0	4.7	4.3	4.9
June	28.627	28.997	28.120	51.5	60.9	57.8	64.9	45.4	55.2	84	35	45	47	48	79	65	73	.304	.340	.351	5.72	1.50	5.4	6.9	6.4	6.7
July	28.751	29.040	28.440	58.9	68.6	65.6	72.7	53.4	63.0	85	46	55	56	57	38	67	76	.443	.469	.482	7.08	1.95	4.9	5.2	3.9	4.6
August	28.770	29.020	28.500	58.4	69.4	64.8	72.5	54.7	63.6	89	44	56	59	58	90	70	82	.450	.515	.503	4.03	1.02	3.8	4.8	3.8	4.5
September	28.748	29.070	28.270	45.9	56.9	51.6	60.0	43.3	51.6	76	28	44	47	46	92	72	82	.295	.338	.322	3.86	1.32	5.1	5.9	5.6	5.7
October	28.776	29.290	28.210	39.5	48.4	43.9	51.6	36.4	44.0	69	16	36	38	37	89	70	79	.227	.244	.234	2.16	.52	6.4	5.7	5.6	6.1
November	28.775	29.320	28.030	29.8	37.2	33.0	40.2	26.5	33.4	57	10	25	26	25	80	64	73	.136	.143	.142	.30	.28	7.6	6.3	6.5	6.7
December	28.765	29.200	28.200	17.5	23.1	21.3	26.9	13.6	20.2	40	−13	15	18	17	90	78	83	.107	.107	.106	1.16	.69	6.4	6.2	6.0	5.2
Year	28.740	29.330	27.950	34.6	43.6	40.5	47.6	30.3	38.9	89	−27	30	33	33	85	68	76	.211	.231	.231	29.99	1.95	5.3	5.4	5.0	5.4

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

DODGE CITY, KANS.

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

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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: Thunderstorms	Aurora
	Miles		*Mi.*																									
January	7.3	NW.	24	NW.	0	5	8	2	6	6	8	8	19	0	26	2	3	2	0	3	1	0	0	3	0	29	0	0
February	8.3	NW.	28	N.	0	8	10	2	7	5	10	3	13	0	19	4	6	5	5	8	4	0	1	4	0	25	2	0
March	9.3	NW.	33	NE.	1	7	2	3	8	9	8	8	17	0	21	5	5	3	3	4	1	0	0	1	0	16	0	0
April	10.6	NE.	37	NE.	2	6	12	6	12	3	10	2	9	0	19	6	5	7	6	3	2	0	0	0	0	10	1	0
May	7.7	SE.	28	SW.	0	11	9	2	15	8	7	7	3	0	18	6	7	11	10	0	0	0	0	0	2	0	6	0
June	8.2	SE.	44	N.	1	7	16	4	19	3	1	6	4	0	13	9	8	21	16	0	0	0	0	0	1	0	18	0
July	7.2	SE.	29	SE.	0	5	8	3	20	10	9	5	2	0	19	8	4	10	8	0	0	0	0	0	15	0	12	0
August	7.4	S.	27	SW.	0	10	4	7	8	25	2	3	3	0	23	5	3	6	6	0	0	1	0	0	19	0	6	0
September	8.0	SE.	22	S.	0	8	5	5	11	15	6	6	4	0	26	3	1	4	1	0	0	0	1	0	9	0	4	0
October	8.3	S.	28	NW.	0	9	9	3	13	9	5	4	10	0	20	2	9	7	7	1	0	0	2	0	2	3	4	1
November	8.6	S.	31	S.	0	8	3	4	4	12	8	8	13	0	19	4	7	9	9	4	3	0	3	1	0	16	2	0
December	7.7	NW.	30	NW.	0	5	3	3	7	8	7	8	21	0	18	6	7	4	3	3	2	0	1	1	0	25	0	0
Year	8.2	SE.	44	N.	4	89	89	44	130	113	81	68	118	0	241	60	65	89	74	26	13	1	8	10	48	124	55	1

DUBUQUE, IOWA

[H_b=700 ft.; h_t=81 ft.; h_r= 76 ft.; h_a= 96 ft.]

January	6.3	NW.	32	NW.	0	5	1	2	3	13	15	1	21	1	11	9	11	5	3	10	1	0	0	13	0	27	0	0
February	6.8	NW.	24	NW.	0	4	5	1	8	10	4	5	21	0	11	7	11	8	6	11	3	0	1	8	0	27	2	0
March	6.9	NW.	28	NW.	0	11	6	3	1	15	4	3	18	1	12	8	11	7	6	6	2	0	1	1	0	24	2	0
April	7.8	NW.	26	NW.	0	8	4	3	8	11	3	2	21	0	8	12	10	12	7	6	5	1	0	2	0	9	2	0
May	5.8	NW.	26	NW.	0	11	8	2	9	11	5	1	15	0	9	14	8	11	6	0	0	1	0	0	0	0	4	0
June	5.9	NW.	26	SW.	0	14	5	2	10	11	4	3	11	0	4	8	18	13	10	0	0	0	0	0	0	0	5	0
July	4.7	S.	21	NW.	0	11	4	2	9	18	4	2	12	0	9	11	11	11	9	0	0	0	1	0	1	0	9	1
August	4.9	S.	30	SW.	0	8	2	1	16	15	6	0	14	0	13	8	10	10	9	0	0	0	1	0	3	0	8	0
September	4.8	S.	19	SE.	0	3	1	0	4	23	9	4	12	4	16	9	5	5	5	0	0	0	3	0	0	0	4	0
October	5.6	S.	28	SW.	0	4	2	1	1	27	6	1	20	0	9	8	14	12	9	0	0	0	2	0	0	4	2	0
November	7.0	NW.	24	NW.	0	9	6	2	1	14	9	3	16	0	8	5	17	12	10	8	3	0	0	1	0	12	1	0
December	5.5	S.	19	N.	0	4	2	0	7	22	6	4	16	1	6	11	14	4	3	7	2	0	5	10	0	24	0	0
Year	6.0	NW.	32	NW.	0	92	40	19	77	190	75	29	197	7	116	110	140	110	83	48	16	2	14	35	4	127	39	1

DUE WEST, S. C.

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

January	8.9	SW.	42	W.	2	0	3	2	0	0	14	10	1	1	14	9	8	6	5	1	0	1	2	4	0	15	1	0
February	8.3	SW.	39	W.	2	1	8	5	3	0	6	5	1	0	9	8	12	10	8	1	0	0	5	0	0	10	0	0
March	9.1	W.	36	W.	1	1	6	4	0	2	7	5	6	0	11	10	10	14	11	0	0	0	3	0	0	5	7	0
April	9.9	SW.	36	SW.	1	3	4	4	5	2	8	3	1	0	8	10	12	10	9	0	0	0	1	0	0	0	4	0
May	7.8	SW.	36	NE.	2	2	8	3	2	3	9	4	0	0	14	6	11	11	10	0	0	1	0	0	0	0	8	0
June	8.2	SW.	26	SW.	0	1	3	1	1	3	9	10	2	0	7	11	12	17	13	0	0	0	0	0	5	0	16	0
July	5.7	SW.	29	N.	0	1	4	3	1	6	11	5	0	0	9	14	8	9	9	0	0	0	3	0	12	0	17	0
August	6.3	SW.	36	NW.	1	0	6	7	1	0	10	6	1	0	6	20	5	14	10	0	0	0	2	0	11	0	15	0
September	6.6	NE.	40	NE.	1	2	11	5	1	2	7	1	1	0	15	6	9	12	10	0	0	0	0	0	1	0	4	0
October	6.8	E.	19	W.	0	2	12	5	2	2	4	2	1	1	14	10	7	6	4	0	0	0	2	0	0	0	3	0
November	7.7	SW.	24	W.	0	1	7	2	0	5	5	7	3	0	15	4	11	4	4	0	0	0	0	0	0	6	0	0
December	7.8	NE.	30	W.	0	2	14	4	1	3	5	2	0	0	12	8	11	6	6	0	0	0	3	0	0	17	0	0
Year	7.7	SW.	42	W.	10	16	86	45	17	28	95	60	17	2	134	116	116	119	99	2	0	2	21	4	29	53	75	0

DULUTH, MINN.

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

January	13.9	W.	61	NW.	6	2	1	1	1	1	14	22	20	0	12	11	8	8	4	14	8	0	0	23	0	31	0	0
February	12.0	W.	39	W.	2	3	12	2	1	0	10	18	12	0	13	7	9	4	3	9	4	0	1	23	0	29	0	0
March	11.8	NW.	39	NW.	4	5	10	7	1	0	5	14	20	0	15	10	6	7	5	11	7	0	2	17	0	29	0	0
April	12.0	NW.	40	NW.	6	8	14	4	2	0	5	10	17	0	8	8	14	13	10	11	8	1	4	4	0	25	2	0
May	9.4	NE.	36	SW.	1	5	25	6	0	0	7	4	15	0	11	12	8	4	3	0	0	0	2	0	0	0	2	0
June	10.0	NE.	38	NE.	2	7	22	6	2	1	5	4	12	1	7	9	14	17	14	0	0	0	8	0	0	0	5	0
July	9.1	NE.	32	NW.	0	5	23	6	2	1	4	10	10	1	13	12	6	12	11	0	0	0	6	0	0	0	7	0
August	8.3	NE.	36	NW.	1	3	15	6	1	5	8	11	13	0	15	7	9	11	9	0	0	0	6	0	0	0	7	2
September	11.0	NW.	36	NW.	2	2	14	4	1	3	6	16	13	1	9	10	11	15	10	3	1	0	6	0	0	2	2	0
October	11.1	NW.	35	NW.	1	5	13	4	1	0	7	20	11	1	8	12	11	11	9	2	0	0	2	0	0	7	3	1
November	10.9	W.	34	NW.	2	8	4	1	3	4	9	16	15	0	7	7	16	3	1	7	0	0	0	8	0	24	0	0
December	11.1	NW.	35	NW.	2	1	2	4	3	1	15	17	19	0	9	6	15	9	6	13	8	0	4	18	0	27	0	0
Year	10.9	NW.	61	NW.	29	54	155	51	18	16	95	162	177	4	127	111	128	114	85	70	34	1	41	93	0	174	28	3

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

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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.754	30.470	28.650	22.2	24.6	23.7	30.8	14.9	22.8	49	−7	16	16	14	75	67	64	0.112	0.106	0.095	3.18	0.69	7.7	6.2	6.2	6.7
February	29.892	30.590	29.170	19.4	23.9	23.5	30.7	12.7	21.7	46	−8	13	14	14	76	65	66	.093	.098	.099	1.59	.53	5.8	6.4	5.4	6.3
March	29.695	30.293	29.000	27.5	32.0	30.7	36.3	23.1	29.7	48	7	20	21	24	71	63	74	.118	.122	.135	2.47	.38	5.2	6.5	5.9	6.5
April	29.800	30.420	28.970	37.8	42.2	38.3	45.0	32.2	38.6	56	24	30	30	31	74	65	76	.175	.178	.179	2.14	.72	6.5	7.7	6.8	7.3
May	29.844	30.157	29.460	47.0	51.0	47.8	54.5	41.2	47.8	70	35	41	41	40	80	72	77	.257	.260	.251	2.06	.67	5.7	7.2	5.9	7.5
June	29.816	30.049	29.380	54.5	58.7	53.9	62.2	47.1	54.6	75	44	48	48	47	81	70	79	.339	.335	.322	3.52	1.44	5.0	6.4	5.7	7.3
July	29.843	30.100	29.570	60.8	65.6	61.4	69.8	52.8	61.3	84	50	55	55	56	83	71	83	.441	.436	.451	3.20	1.62	5.3	6.1	4.9	7.2
August	29.946	30.250	29.560	60.9	65.0	61.0	68.3	54.2	61.2	90	49	56	57	57	86	78	87	.462	.476	.466	3.94	1.35	6.1	5.8	5.3	6.8
September	29.949	30.371	29.350	54.3	57.7	54.0	60.6	48.3	54.4	73	37	49	48	48	82	71	80	.351	.340	.340	3.76	1.25	6.5	5.9	4.9	6.9
October	29.952	30.420	29.250	46.8	51.2	47.3	54.1	40.5	47.3	66	22	40	38	39	77	64	74	.261	.253	.257	2.66	.98	6.4	6.2	3.6	6.7
November	29.818	30.260	29.040	35.3	39.0	37.3	43.0	30.1	36.6	59	14	27	27	29	71	62	72	.154	.159	.173	1.71	.42	7.2	7.4	6.0	7.3
December	29.897	30.450	28.870	30.6	33.6	32.8	37.7	25.5	31.6	53	9	24	24	25	74	66	72	.137	.134	.143	2.74	.74	5.8	6.8	5.7	6.7
Year	29.850	30.590	28.650	41.4	45.4	42.6	49.4	35.2	42.3	90	−8	35	35	35	78	68	75	.242	.241	.243	32.97	1.62	6.1	6.6	5.5	6.9

ELKINS, W. VA.

[ϕ=38° 53′ N.; λ=79° 49′ W.]

Month	Monthly mean	Maximum	Minimum	8 a. m.	Noon, local time	8 p. m.	Maximum	Minimum	Monthly	Maximum	Minimum	8 a. m.	Noon, local time	8 p. m.	8 a. m.	Noon, local time	8 p. m.	8 a. m.	Noon, local time	8 p. m.	Total	Maximum in 24 hours	8 a. m.	Noon, local time	8 p. m.	Daylight
January	27.906	28.420	27.190	26.3	33.2	31.0	39.6	22.2	30.9	63	−4	20	22	22	78	64	72	0.127	0.136	0.137	2.81	1.03	6.9	6.9	5.3	7.0
February	28.004	28.350	27.411	29.2	35.3	33.4	41.2	24.4	32.8	59	9	24	25	25	82	66	71	.139	.142	.145	2.53	.56	6.8	8.0	6.8	8.2
March	27.876	28.340	27.360	31.5	41.6	40.3	49.1	27.1	38.1	75	4	27	28	28	84	61	64	.157	.164	.163	3.32	1.07	7.1	7.5	6.5	7.3
April	27.909	28.310	27.330	41.6	51.3	47.8	55.9	35.8	45.8	78	18	33	32	32	72	51	58	.199	.187	.186	6.74	1.86	6.7	6.0	7.8	7.0
May	27.935	28.392	27.580	50.4	63.9	59.0	68.2	43.2	55.7	85	30	43	42	44	76	48	60	.289	.286	.299	3.94	1.13	5.4	5.2	6.3	6.0
June	27.904	28.128	27.690	60.5	69.3	65.0	74.0	54.2	64.1	84	38	56	56	58	86	65	79	.458	.456	.489	7.99	1.36	8.1	8.5	8.1	8.0
July	28.032	28.300	27.830	63.8	76.4	70.6	80.5	58.4	69.4	90	46	60	59	64	90	57	79	.531	.514	.591	4.81	1.23	5.9	5.7	5.5	6.0
August	28.058	28.240	27.800	65.2	75.6	71.2	80.2	61.6	70.9	87	54	63	64	65	94	69	81	.579	.607	.618	4.77	1.04	7.9	7.0	7.1	7.3
September	28.045	28.292	27.680	51.7	64.3	57.6	68.0	48.8	58.4	84	33	49	50	52	92	61	83	.362	.378	.413	2.34	.81	6.1	6.1	5.8	6.6
October	28.115	28.406	27.750	46.5	62.2	54.2	66.5	42.2	54.4	84	17	44	46	47	92	57	78	.310	.335	.352	1.71	.54	6.2	6.2	4.4	6.9
November	28.036	28.377	27.530	38.6	45.5	41.5	50.6	32.0	41.3	74	16	33	35	35	83	68	80	.207	.216	.218	3.98	1.23	8.5	8.4	7.0	8.9
December	28.059	28.338	27.400	25.6	37.4	33.4	45.0	22.7	33.8	63	9	22	27	26	88	65	75	.127	.153	.150	2.68	1.36	7.6	5.5	3.6	6.7
Year	27.997	28.420	27.190	44.2	54.7	50.4	59.9	39.4	49.6	90	−4	40	40	42	85	61	73	.290	.298	.313	47.63	1.86	7.1	6.8	6.2	7.2

ELLENDALE, N. DAK.

[ϕ=45° 59′ N.; λ=98° 34′ 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	28.482	29.080	27.900	13.0	19.9	----	25.3	6.7	16.0	48	−26	8	12	----	81	70	----	0.078	0.089	----	0.26	0.12	4.9	5.1	----	5.5
February	28.509	28.801	28.110	14.1	25.0	----	30.7	11.8	21.2	48	−7	11	16	----	87	68	----	.076	.097	----	.23	.13	4.9	6.1	----	5.9
March	28.420	28.980	27.860	21.9	37.8	----	43.0	19.0	31.0	72	4	20	22	----	91	53	----	.110	.121	----	.33	.24	5.2	6.7	----	6.1
April	28.356	28.850	27.690	28.8	44.1	----	49.5	24.4	37.0	75	7	24	23	----	81	44	----	.130	.125	----	1.08	.55	6.0	5.6	----	6.2
May	28.433	28.880	28.020	49.9	68.4	----	72.9	43.3	58.1	92	30	38	36	----	63	34	----	.235	.227	----	.67	.32	4.9	5.6	----	5.5
June	28.270	28.540	27.660	54.1	67.0	----	70.9	47.5	59.2	83	34	48	49	----	81	54	----	.346	.260	----	5.63	1.80	5.7	7.2	----	6.5
July	28.400	28.660	28.030	63.0	76.4	----	79.8	58.5	69.2	89	48	60	61	----	88	60	----	.514	.544	----	4.92	1.56	4.4	4.5	----	4.5
August	28.396	28.701	28.100	58.5	72.8	----	77.8	54.5	66.2	96	39	55	57	----	90	61	----	.445	.482	----	3.35	1.36	4.5	4.2	----	4.1
September	28.425	28.759	28.020	45.7	63.2	----	67.0	42.5	54.8	86	25	41	42	----	83	50	----	.270	.288	----	2.35	1.87	4.1	4.1	----	3.9
October	28.451	29.040	27.740	36.9	52.7	----	56.6	33.5	45.0	84	16	31	33	----	80	50	----	.177	.191	----	1.42	.80	5.6	5.9	----	5.5
November	28.495	29.070	27.590	25.6	37.7	----	43.0	22.3	32.6	58	9	23	27	----	90	62	----	.125	.150	----	1.01	.97	4.0	5.9	----	5.3
December	28.432	28.930	27.980	19.2	27.6	----	32.0	12.4	22.2	51	−10	16	20	----	87	72	----	.095	.111	----	.39	.21	4.8	5.5	----	5.1
Year	28.422	29.080	27.590	35.9	49.4	----	54.0	31.4	42.7	96	−26	31	33	----	84	56	----	.217	.232	----	21.64	1.87	4.9	5.5	----	5.3

EL PASO, TEX.

[ϕ=31° 47′ N.; λ=106° 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	26.325	26.650	26.020	35.9	52.2	54.8	59.4	33.5	45.4	70	18	19	19	21	51	23	28	0.108	0.108	0.116	T.	T.	1.0	1.8	2.6	2.3
February	26.219	26.510	25.860	39.8	53.3	55.9	60.3	37.2	48.8	76	24	26	24	24	59	34	32	.143	.134	.133	0.71	0.55	3.2	3.5	3.1	3.3
March	26.146	26.390	25.720	47.8	66.5	69.2	72.1	45.7	58.9	88	28	25	20	21	41	18	17	.136	.113	.117	.05	.05	1.9	1.5	2.1	1.9
April	26.089	26.350	25.700	50.6	68.7	71.2	75.3	48.6	62.0	95	29	21	18	19	35	17	17	.113	.100	.104	.22	.19	1.8	1.9	2.2	2.3
May	26.138	26.500	25.920	62.6	78.3	79.1	83.9	59.8	71.8	97	51	41	38	37	59	26	25	.271	.230	.229	.96	.50	2.6	2.2	4.6	3.7
June	26.034	26.200	25.783	71.1	88.9	92.9	95.4	69.9	82.6	103	58	34	29	28	28	13	11	.213	.173	.163	T.	T.	1.2	.6	1.8	1.4
July	26.161	26.340	25.954	73.6	89.2	91.0	94.9	72.2	83.6	103	63	53	49	48	52	28	26	.418	.362	.344	1.15	.92	3.3	2.4	3.9	3.6
August	26.210	26.350	26.070	69.2	82.0	82.8	86.0	67.5	77.8	97	62	59	57	57	72	45	44	.507	.475	.470	2.69	1.00	4.7	3.0	3.6	4.3
September	26.215	26.400	25.980	64.1	80.4	81.4	85.5	63.4	74.4	95	54	48	48	47	60	36	34	.349	.348	.330	.04	.02	2.7	2.4	2.3	2.8
October	26.192	26.420	25.870	57.6	76.4	74.5	80.3	55.3	67.8	94	44	42	40	40	57	31	32	.275	.262	.260	1.47	.63	2.7	1.7	2.8	2.6
November	26.280	26.590	26.000	42.5	57.4	56.7	61.9	40.9	51.4	75	28	33	31	34	71	39	45	.197	.183	.203	.76	.56	2.5	2.7	3.2	3.3
December	26.278	26.570	25.810	35.7	50.8	50.5	55.1	33.6	44.8	69	19	24	24	26	62	36	40	.134	.133	.146	.13	.06	2.6	2.1	2.9	2.7
Year	26.191	26.650	25.700	54.2	70.3	71.7	76.1	52.3	64.2	103	18	35	33	34	53	29	29	.239	.218	.218	8.21	1.00	2.5	2.2	2.9	2.8

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

EASTPORT, ME.

[H_b=76 ft.; h_t=67 ft.; h_r=62 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 temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorms	Aurora
	Miles		*Mi.*																									
January	11.9	W.	45	SE.	4	8	2	3	2	5	19	12	11	0	5	9	17	17	11	13	10	0	4	18	0	28	0	0
February	11.2	W.	42	E.	2	7	6	1	1	8	13	6	16	0	8	6	15	14	11	13	11	0	2	13	0	27	0	0
March	11.1	W.	43	E.	3	4	5	7	1	12	8	20	5	0	8	9	14	21	13	17	13	1	2	4	0	24	2	0
April	11.3	S.	48	NE	4	0	6	5	1	14	13	13	7	1	3	12	15	12	8	6	4	0	5	0	0	15	0	0
May	8.0	S.	38	NE.	1	1	9	10	5	19	3	3	5	1	2	12	17	13	9	0	0	0	10	0	0	0	1	0
June	7.9	S.	25	SE.	0	1	4	9	1	25	5	8	6	1	3	13	14	14	11	0	0	0	11	0	0	0	2	0
July	7.1	S.	28	E.	0	7	4	5	2	21	9	6	7	1	3	10	18	11	8	0	0	0	13	0	0	0	2	2
August	6.1	S.	21	E.	0	4	3	10	5	23	7	3	7	0	8	5	18	12	7	0	0	0	19	0	0	0	1	0
September	7.8	S.	27	NW.	0	8	6	5	2	15	8	11	5	0	6	7	17	12	9	0	0	0	8	0	0	0	3	5
October	9.2	W.	30	E.	0	5	1	2	2	14	10	18	8	2	7	7	17	13	11	1	0	0	5	0	0	3	1	2
November	9.5	W.	38	S.	1	11	2	3	4	2	14	11	13	0	6	5	19	12	10	5	4	0	2	4	0	18	1	1
December	11.9	W.	42	NE.	3	5	2	7	1	9	7	24	7	0	8	4	19	13	11	8	5	0	3	6	0	24	0	2
Year	9.4	S.	48	NE.	18	67	50	67	27	167	116	135	97	6	67	99	200	164	119	63	47	1	84	45	0	139	13	12

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	Thunderstorms	Aurora
January	7.5	W.	33	W.	1	7	1	0	3	10	11	24	5	1	5	7	19	13	10	12	7	1	0	8	0	20	0	0
February	6.9	W.	25	W.	0	3	0	0	6	9	6	21	12	1	3	6	20	18	14	15	10	0	0	6	0	21	0	0
March	6.8	W.	28	W.	0	9	1	0	5	6	5	22	11	3	2	12	17	17	14	15	9	0	0	3	0	23	3	0
April	7.5	W.	29	W.	0	9	1	3	8	8	8	10	13	0	4	12	14	12	11	7	3	0	1	1	0	11	2	0
May	4.4	NW.	25	NW.	0	10	6	2	6	3	6	12	16	1	7	11	13	10	10	0	0	0	1	0	0	3	4	0
June	4.4	W.	30	NW.	0	6	3	1	7	13	7	19	4	0	0	9	21	25	20	0	0	0	5	0	0	0	8	0
July	3.3	W.	22	W.	0	10	4	3	8	6	5	14	8	4	6	16	9	16	14	0	0	1	14	0	1	0	10	0
August	2.9	W.	16	NW.	0	10	10	3	10	13	4	5	4	3	3	10	18	17	15	0	0	0	6	0	0	0	10	0
September	3.7	W.	18	NW.	0	11	9	2	11	7	5	5	5	5	6	11	13	10	7	0	0	0	9	0	0	0	2	0
October	4.0	W.	20	W.	0	10	6	5	7	10	1	10	9	4	5	11	15	12	9	1	1	0	11	0	0	6	1	0
November	5.7	W.	30	W.	0	3	4	2	6	10	13	11	8	3	0	5	25	15	13	9	5	0	2	2	0	19	0	0
December	3.8	W.	27	W.	0	2	14	3	6	7	2	14	7	7	8	6	17	9	7	7	3	0	4	4	0	25	0	0
Year	5.1	W.	33	W.	1	90	59	24	83	102	73	167	102	32	49	116	201	174	144	66	38	2	53	24	1	126	40	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	Thunderstorms	Aurora
January	13.0	NW.	52	NW.	4	2	3	0	0	2	8	5	11	0	9	10	12	6	3	13	3	0	0	18	0	27	0	0
February	13.2	NW.	51	NW.	2	4	3	1	1	3	2	1	14	0	5	11	12	6	2	11	4	0	2	14	0	20	0	0
March	11.4	NW.	38	N.	4	6	4	1	0	3	4	3	10	0	6	13	12	6	2	10	4	0	0	9	0	31	1	0
April	14.3	NW.	49	NW.	5	6	5	0	3	2	5	1	8	0	7	10	13	9	4	7	7	0	0	3	0	27	0	0
May	12.5	NW.	36	N.	3	6	3	1	4	5	3	2	7	0	11	10	10	8	4	0	0	0	0	0	2	2	2	0
June	10.8	NW.	40	NE.	2	4	4	2	2	5	4	1	8	0	3	17	10	12	10	0	0	2	2	0	0	0	6	2
July	9.3	NW.	53	NE.	4	6	4	1	2	5	1	3	9	0	12	16	3	14	11	0	0	0	0	0	0	0	12	4
August	10.1	NE.	48	SW.	4	3	3	1	2	7	5	3	7	0	15	10	6	11	8	0	0	1	0	0	3	0	9	0
September	11.5	NW.	45	NW.	2	3	4	0	2	4	3	1	13	0	15	10	5	7	4	0	0	0	3	0	0	5	4	0
October	11.9	NW.	37	S.	2	5	5	0	0	5	5	2	9	0	10	8	13	6	5	0	0	0	0	0	0	14	2	0
November	11.4	NW.	45	NW.	5	1	6	0	1	2	7	1	12	0	12	6	12	4	1	5	3	0	0	5	0	27	0	1
December	11.9	NW.	37	NW.	4	3	1	1	1	4	6	2	13	0	12	12	7	10	4	12	8	0	2	10	0	30	0	0
Year	11.8	NW.	53	NE.	42	49	45	8	18	47	53	25	121	0	118	133	115	99	58	58	29	3	9	59	5	192	36	7

EL PASO, TEX.

[H_b=3,778 ft.; h_t=152 ft.; h_r=145 ft.; h_a=175 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	Thunderstorms	Aurora
January	6.8	NW.	39	W.	2	2	4	11	3	2	0	20	20	0	24	3	4	0	0	1	0	0	0	0	0	14	0	0
February	10.1	W.	44	W.	4	3	7	13	4	2	2	20	7	0	15	12	2	5	3	1	0	0	0	0	0	5	0	0
March	10.5	W.	47	W.	5	1	2	6	5	1	1	25	20	1	23	7	1	2	1	2	2	0	0	0	0	2	1	0
April	12.7	W.	48	W.	0	0	4	12	4	0	1	24	14	0	21	8	1	2	1	2	1	0	0	0	2	3	0	0
May	10.6	W.	38	W.	5	3	7	19	4	1	1	20	7	0	15	14	2	8	5	0	0	0	0	0	7	0	6	0
June	12.2	W.	44	W.	8	4	3	5	4	0	2	27	15	0	26	4	0	0	0	0	0	0	0	0	25	0	2	0
July	8.5	E.	34	NW.	1	1	2	28	10	1	0	9	10	1	17	13	1	4	4	0	0	0	0	0	27	0	6	1
August	7.3	E.	48	SE.	4	1	4	22	16	0	0	9	10	0	12	17	2	12	11	0	0	0	0	0	11	0	13	0
September	7.7	E.	30	NE.	0	0	4	27	17	1	1	6	3	1	21	5	4	3	0	0	0	0	0	0	8	0	1	0
October	8.0	E.	33	W.	1	1	1	18	4	3	1	20	14	0	21	7	3	7	6	0	0	1	0	0	4	0	3	0
November	8.0	E.	35	W.	3	2	10	15	4	1	0	18	9	1	18	7	5	4	2	0	0	1	2	0	0	3	0	0
December	7.3	W.	39	NW.	1	1	9	12	0	1	0	16	23	0	20	6	5	5	2	1	0	1	0	0	0	11	1	0
Year	9.1	E.	48	W.	40	19	57	188	75	13	9	214	152	5	233	103	30	52	35	7	3	3	2	0	84	38	33	1

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

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
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.211	29.730	28.260	25.7	28.0	28.9	34.3	21.7	28.0	59	2	20	20	22	78	72	74	0.118	0.119	0.130	1.85	0.55	8.4	8.3	7.9	7.9
February	29.269	29.790	28.660	25.7	30.2	28.8	34.7	20.5	27.6	53	3	20	21	20	76	67	69	.115	.121	.115	1.62	.68	7.3	7.1	6.9	6.8
March	29.141	29.720	28.370	30.6	36.2	34.0	39.6	26.5	33.0	75	12	23	25	25	72	63	69	.133	.148	.146	2.16	.77	7.0	6.7	5.1	6.1
April	29.156	29.560	28.600	41.7	46.2	44.8	51.5	35.9	43.7	79	25	31	33	34	66	62	66	.183	.202	.208	2.57	.89	5.8	5.7	5.5	5.4
May	29.186	29.750	28.810	54.5	59.5	57.6	64.1	47.8	56.0	82	36	41	41	42	63	55	59	.271	.281	.287	.65	.39	5.3	4.6	4.0	3.9
June	29.095	29.470	28.740	62.0	66.4	64.3	70.7	55.8	63.2	89	45	54	55	54	76	70	72	.426	.456	.434	3.96	1.01	5.7	5.6	6.2	5.1
July	29.215	29.550	28.960	71.3	76.3	73.3	79.3	65.5	72.4	90	56	64	65	62	77	71	69	.591	.636	.568	3.63	1.16	4.5	4.3	4.5	3.8
August	29.266	29.510	28.980	70.5	76.3	73.5	79.8	64.9	72.4	91	53	62	63	64	76	66	72	.568	.593	.596	3.89	1.55	5.4	4.8	3.9	4.4
September	29.265	29.600	28.930	58.3	65.2	61.5	68.0	53.6	60.8	87	39	51	55	53	78	72	75	.391	.454	.422	3.43	.98	5.3	5.0	5.0	4.9
October	29.314	29.712	28.920	53.3	59.9	56.6	63.9	49.2	56.6	83	33	45	46	46	74	62	69	.325	.335	.339	3.38	.84	6.3	5.5	5.8	5.6
November	29.241	29.650	28.650	42.4	46.3	43.8	49.4	39.4	44.4	70	25	35	34	35	75	64	71	.213	.209	.212	3.88	.85	9.0	7.8	7.5	8.3
December	29.320	29.640	28.450	33.1	37.2	35.6	40.4	30.4	35.4	57	15	26	27	26	73	66	67	.141	.148	.146	.66	.24	8.1	7.8	7.4	8.1
Year	29.223	29.790	28.260	47.4	52.3	50.2	56.3	42.6	49.5	91	2	39	40	40	74	66	69	.290	.308	.300	31.68	1.55	6.5	6.1	5.8	5.9

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	29.248	29.930	28.320	15.8	21.9	20.2	26.3	11.7	19.0	45	−5	13	15	14	83	73	76	0.090	0.097	0.094	1.09	0.34	7.5	6.7	5.7	6.2
February	29.350	29.940	28.800	12.3	21.3	18.8	25.2	6.6	15.9	35	−21	10	14	13	90	72	78	.074	.089	.087	1.90	.81	5.3	6.3	4.2	5.3
March	29.258	29.750	28.670	19.5	28.8	26.9	34.0	16.1	25.0	57	−10	16	18	19	84	62	72	.094	.101	.108	2.34	.96	4.0	4.7	4.3	4.9
April	29.228	29.660	28.580	30.9	36.8	34.5	40.0	26.6	33.3	60	11	25	26	26	79	65	72	.142	.140	.146	2.36	.64	4.8	6.2	6.1	5.3
May	29.306	29.820	28.920	46.7	52.7	51.9	57.9	42.4	50.2	75	32	39	40	39	76	64	64	.245	.253	.248	1.44	.41	4.8	5.2	5.3	4.6
June	29.165	29.628	28.750	53.5	56.4	59.2	64.9	49.3	57.1	82	40	47	47	48	79	66	68	.324	.334	.344	1.95	.63	6.4	7.3	5.8	6.4
July	29.285	29.610	29.000	62.1	69.6	68.0	73.6	57.1	65.4	85	48	56	58	58	82	68	73	.463	.488	.499	4.04	1.04	4.7	4.9	3.8	4.5
August	29.336	29.600	28.830	62.1	68.7	66.8	72.3	57.5	64.9	88	43	58	59	59	85	72	77	.482	.504	.508	5.44	1.88	4.8	4.7	3.6	4.5
September	29.314	29.670	28.859	48.6	56.7	55.0	60.2	45.0	52.6	77	31	46	49	49	89	76	80	.320	.353	.365	4.78	1.24	5.6	6.7	4.1	5.5
October	29.341	29.800	28.800	43.8	50.1	47.6	52.7	40.8	47.2	71	24	40	40	40	86	70	77	.258	.263	.268	2.91	.71	7.4	7.4	6.1	6.7
November	29.331	29.800	28.740	33.6	37.5	35.9	40.8	29.7	35.2	56	16	28	29	28	80	73	73	.156	.164	.158	.55	.33	8.4	8.0	7.1	7.4
December	29.359	29.810	28.890	23.2	28.5	27.3	31.3	20.4	25.8	49	−2	19	22	21	82	74	76	.111	.123	.120	.20	.06	6.8	7.2	5.1	6.3
Year	29.293	29.940	28.320	37.7	44.1	42.7	48.4	33.6	41.0	88	−21	33	36	34	83	70	74	.230	.243	.245	29.00	1.88	5.9	6.3	5.1	5.6

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	30.154	30.393	29.750	47.0	53.7	52.5	56.4	43.5	50.0	67	30	43	44	46	86	73	79	0.281	0.302	0.315	3.58	1.02	6.1	6.3	5.9	7.0
February	30.109	30.435	29.280	46.2	53.3	52.8	55.7	43.0	49.4	70	36	42	44	45	86	71	77	.270	.289	.303	2.78	.77	5.7	6.2	7.0	6.4
March	30.010	30.360	29.530	48.9	57.8	54.0	58.3	45.9	52.1	66	40	46	48	49	91	76	84	.317	.335	.346	7.01	1.75	7.7	7.9	7.7	7.6
April	30.042	30.290	29.470	46.9	54.5	54.4	57.6	43.9	50.8	72	36	44	47	48	92	77	78	.296	.326	.334	5.86	1.19	7.1	6.2	6.7	6.4
May	30.009	30.291	29.830	49.3	55.6	55.2	57.5	48.1	52.8	65	40	47	48	49	92	77	81	.322	.338	.349	.12	.09	7.7	5.9	5.9	6.4
June	29.978	30.100	29.735	51.8	57.7	57.3	59.9	50.7	55.3	64	46	49	50	51	91	76	77	.348	.366	.370	.32	.26	7.5	5.4	6.0	6.5
July	29.964	30.080	29.770	53.4	57.8	58.1	59.9	52.6	56.2	65	48	52	52	52	94	81	81	.382	.387	.394	.02	.01	9.1	6.9	5.1	7.0
August	29.993	30.110	29.820	52.4	56.5	56.7	58.9	51.0	55.0	63	47	51	51	52	94	83	83	.371	.378	.381	.05	.03	7.5	6.2	5.8	6.8
September	29.965	30.176	29.690	52.0	57.4	56.9	60.1	50.4	55.2	82	45	50	50	51	93	78	83	.360	.364	.378	.58	.56	6.1	6.7	7.2	6.7
October	30.022	30.211	29.730	50.2	55.3	54.6	57.5	48.0	52.8	67	41	48	49	50	91	82	84	.334	.356	.350	2.21	.94	4.8	7.1	6.9	7.2
November	30.070	30.500	29.360	48.3	56.2	54.2	58.3	44.4	51.4	71	35	44	46	47	86	71	78	.291	.313	.324	4.90	1.19	5.2	6.8	6.2	6.7
December	30.091	30.480	29.570	44.4	52.5	52.3	55.8	40.4	48.1	64	32	41	43	43	87	71	72	.257	.281	.281	7.82	2.51	4.2	5.8	6.0	5.9
Year	30.034	30.500	29.280	49.2	55.7	55.0	58.0	46.8	52.4	82	30	46	48	49	90	76	80	.319	.336	.345	35.25	2.51	6.0	6.4	6.4	6.7

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
January	29.728	30.240	28.793	29.8	36.4	35.6	41.5	26.7	34.1	71	−3	24	24	26	77	61	69	0.153	0.162	0.168	1.42	0.93	5.2	5.5	5.1	5.4
February	29.691	30.100	29.150	33.9	39.7	39.2	44.4	30.1	37.2	60	15	27	28	30	76	64	70	.160	.188	.178	2.59	.61	5.9	5.9	5.9	6.1
March	29.555	29.980	28.950	39.4	48.6	48.2	54.0	36.0	45.0	79	24	32	33	35	74	56	62	.194	.206	.218	1.04	.52	6.7	6.1	5.7	5.9
April	29.513	29.960	29.080	46.9	55.4	55.7	61.2	43.8	52.5	76	31	37	34	38	69	47	53	.232	.214	.241	5.23	3.75	6.1	6.1	6.1	6.1
May	29.520	29.920	29.160	59.6	70.5	70.1	75.5	55.5	65.5	86	43	48	46	49	67	46	51	.355	.346	.374	5.11	2.61	4.5	5.6	4.5	5.1
June	29.424	29.710	29.170	66.0	73.4	72.1	77.4	62.2	69.8	87	54	60	60	61	81	64	71	.531	.530	.555	9.78	1.81	7.7	6.2	7.5	7.7
July	29.559	29.840	29.370	73.9	84.0	82.1	88.3	70.7	79.5	95	58	67	65	67	80	54	61	.682	.637	.676	1.32	.98	3.6	5.0	4.6	4.5
August	29.575	29.780	29.370	72.4	83.3	81.0	87.8	70.1	79.0	95	62	68	68	68	85	60	64	.681	.680	.676	1.41	.68	5.0	5.8	6.3	5.5
September	29.624	29.810	29.377	58.8	73.8	71.5	78.2	56.3	67.2	91	39	52	47	49	79	40	47	.414	.360	.384	.25	.14	3.2	3.8	3.4	3.3
October	29.666	30.040	29.350	55.4	67.9	65.6	71.6	53.9	62.8	90	36	51	48	49	84	53	58	.400	.378	.387	6.59	3.95	4.8	4.8	3.5	4.5
November	29.706	30.120	29.300	42.7	50.2	48.3	53.7	39.8	46.8	71	22	37	37	37	82	61	66	.236	.238	.239	3.13	1.05	6.0	6.2	5.6	5.9
December	29.704	30.040	29.110	34.7	42.5	42.2	47.1	32.5	39.8	66	18	29	30	31	80	62	65	.171	.177	.181	2.78	1.45	4.7	4.7	5.2	4.9
Year	29.605	30.240	28.793	51.1	60.3	59.3	65.1	48.1	56.6	95	−3	44	43	45	78	56	61	.251	.242	.256	41.15	3.95	5.3	5.6	5.3	5.4

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

ERIE, PA.

[H_b=714 ft.; h_t=130 ft.; h_r=122 ft.; h_a=166 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: Thunderstorms	Aurora
	Miles		*Mi.*																									
January	17.9	SW.	50	SW.	10	2	0	0	3	24	22	10	1	0	2	6	23	15	9	17	10	0	0	12	0	22	1	0
February	15.1	SW.	37	SE.	4	3	2	0	9	11	16	14	3	0	6	6	17	12	8	15	7	1	0	14	0	27	0	0
March	14.2	SW.	46	SW.	6	7	2	2	2	5	20	16	7	1	7	14	10	12	10	17	9	0	0	11	0	24	2	0
April	14.8	SW.	47	SW.	9	4	2	1	5	10	16	11	11	0	9	11	10	13	9	6	2	0	0	1	0	15	2	0
May	9.0	SW.	31	SW.	0	6	2	2	5	8	14	12	13	0	14	11	6	5	4	0	0	0	0	0	0	0	3	0
June	10.2	W.	36	SW.	1	10	3	0	8	12	10	10	7	0	12	11	7	18	14	0	0	0	1	0	0	0	6	0
July	9.5	W.	46	SW.	1	7	2	0	4	10	17	15	6	1	17	7	7	9	7	0	0	0	0	0	1	0	7	1
August	9.6	NW.	32	NW.	0	13	3	2	9	15	3	2	15	0	12	17	2	10	7	0	0	0	0	0	1	0	10	0
September	12.0	S.	36	N.	2	6	4	2	3	16	10	10	9	0	9	14	7	12	10	2	0	0	0	0	0	0	4	0
October	12.8	S.	36	W.	2	3	0	1	14	12	11	9	12	0	11	9	11	12	10	4	2	0	0	0	0	0	2	0
November	14.0	S.	36	SW.	4	2	1	1	4	22	13	3	14	0	3	4	23	18	14	9	4	0	0	0	0	4	1	0
December	12.4	S.	42	SW.	2	1	1	2	11	19	15	9	4	0	4	3	24	8	6	11	5	0	0	4	0	19	0	0
Year	12.6	SW.	50	SW.	41	64	22	13	77	164	167	121	102	2	106	113	147	144	106	81	39	1	1	42	2	111	38	1

ESCANABA, MICH.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	8.7	NW.	32	N.	0	7	1	1	2	7	17	8	19	0	9	6	16	7	5	18	7	0	0	20	0	31	0	0
February	9.0	N.	30	NW.	0	16	6	2	1	4	7	5	17	0	11	6	12	8	6	13	8	0	2	21	0	29	0	1
March	9.2	N.	44	N.	1	14	8	2	1	6	7	5	19	0	12	10	9	10	8	15	7	0	4	13	0	30	1	1
April	10.8	S.	44	N.	3	16	7	3	2	15	7	2	8	0	11	8	11	14	11	10	8	0	2	5	0	23	1	1
May	8.7	S.	31	N.	0	20	9	5	2	19	2	2	2	1	14	8	9	12	7	1	0	0	2	0	0	2	3	0
June	9.2	S.	29	N.	0	17	6	4	3	17	6	2	5	0	5	11	14	11	10	0	0	0	2	0	0	0	4	0
July	8.4	S.	32	NE.	0	17	8	0	2	16	9	4	6	0	10	14	7	12	11	0	0	0	1	0	0	0	9	2
August	8.4	S.	29	NE.	0	17	4	1	1	21	7	5	6	0	13	11	7	11	10	0	0	0	0	0	0	0	8	2
September	8.4	S.	28	NW.	0	11	3	4	2	13	13	6	8	0	8	11	11	10	8	3	0	0	2	0	0	1	3	2
October	9.9	S.	30	N.	0	15	5	1	1	14	8	7	11	0	6	7	18	14	11	3	1	0	1	0	0	5	5	3
November	10.3	NW.	30	NE.	0	8	3	0	0	8	10	9	22	0	4	5	21	11	3	14	6	0	0	2	0	20	1	1
December	8.1	SW.	23	NW.	0	3	5	0	1	6	23	13	11	0	7	7	17	4	2	15	3	0	2	14	0	24	0	0
Year	9.1	S.	44	N.	4	161	65	23	18	146	116	68	134	1	110	104	152	124	92	92	40	0	18	75	0	165	35	13

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 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	Thunderstorms	Aurora
January	5.6	SE.	27	W.	0	8	4	5	16	11	10	3	4	1	5	6	20	13	9	0	0	2	6	0	0	1	0	0
February	6.0	SE.	36	N.	1	15	3	5	13	4	9	3	4	2	8	4	17	13	10	0	0	0	0	0	0	0	0	0
March	5.7	SE.	28	SW.	0	12	5	4	20	6	9	3	3	0	4	6	21	18	13	0	0	1	3	0	0	0	1	0
April	6.7	SE.	31	SW.	0	10	2	2	14	3	10	8	9	2	6	9	15	17	15	0	0	1	0	0	0	0	0	0
May	6.5	N.	27	N.	0	22	3	3	6	4	7	4	12	1	8	10	13	3	1	0	0	0	0	0	0	0	0	0
June	6.8	N.	27	NW.	0	25	0	1	4	6	5	4	15	0	7	8	15	3	2	0	0	0	3	0	0	0	0	0
July	5.7	NW.	20	N.	0	15	1	0	2	4	8	4	27	1	2	17	12	2	0	0	0	0	1	0	0	0	0	0
August	4.8	NW.	24	NW.	0	26	1	0	3	6	5	5	13	3	5	9	17	3	0	0	0	0	4	0	0	0	0	0
September	4.1	N.	25	N.	0	14	2	2	6	6	8	7	13	2	4	10	16	3	1	0	0	0	4	0	0	0	0	0
October	5.4	N.	36	N.	1	19	7	4	9	5	6	3	5	4	5	7	19	10	5	0	0	0	10	0	0	0	0	0
November	5.4	SE.	27	SE.	0	15	1	3	17	8	8	2	5	1	7	6	17	15	14	0	0	1	4	0	0	0	0	0
December	5.0	SE.	28	SW.	0	9	6	4	12	13	7	6	3	2	10	5	16	12	11	0	0	1	1	0	0	0	1	0
Year	5.6	N.	36	N.	2	190	35	33	122	76	92	52	113	19	71	97	198	112	81	0	0	6	36	0	0	1	2	0

EVANSVILLE, IND.

[H_b=431 ft.; h_t=76 ft.; h_r=74 ft.; h_a=116 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	Thunderstorms	Aurora
January	10.1	SW.	42	W.	3	7	5	1	3	11	19	8	8	0	7	15	9	9	6	6	3	0	2	9	0	18	1	0
February	9.4	SW.	28	NW.	0	5	3	5	7	5	13	6	14	0	8	7	14	11	11	7	3	0	1	3	0	14	1	0
March	9.0	S.	37	NW.	1	10	10	4	5	9	5	10	9	0	5	15	11	8	6	3	2	2	0	0	0	10	3	0
April	10.6	S.	37	S.	2	10	6	5	5	11	6	8	9	0	5	16	9	12	10	2	0	1	0	0	0	3	5	0
May	7.8	S.	39	SW.	1	10	10	4	6	11	10	7	3	1	11	9	11	13	10	0	0	0	0	0	0	0	7	0
June	8.3	W.	30	SW.	0	6	3	6	8	12	11	8	5	1	1	11	18	20	13	0	0	0	0	0	0	0	11	0
July	5.7	S.	40	NW.	1	12	8	3	5	11	15	6	1	1	12	17	2	6	5	0	0	1	0	0	14	0	5	1
August	6.1	S.	32	NW.	0	11	4	11	5	10	16	5	0	0	7	16	8	12	8	0	0	0	0	0	14	0	10	0
September	6.7	S.	22	NW.	0	15	9	5	6	6	7	4	5	3	16	12	2	5	2	0	0	0	1	0	2	0	2	0
October	8.9	S.	22	S.	0	9	5	6	10	15	6	4	7	0	15	8	8	8	7	0	0	0	0	0	1	0	3	0
November	9.3	S.	35	SW.	1	7	0	4	6	12	9	9	12	1	12	2	16	14	9	2	0	0	2	0	0	4	0	0
December	7.8	S.	29	SW.	0	9	1	8	9	13	10	5	7	0	15	6	10	9	6	3	2	0	0	1	0	17	1	0
Year	8.1	S.	42	W.	9	111	64	62	75	126	127	80	80	7	114	134	118	127	93	23	10	4	6	13	31	66	49	1

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

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
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.704	30.240	29.010	35.0	45.9	47.0	53.0	32.8	42.9	75	2	29	30	33	77	55	59	0.177	0.193	0.209	2.66	1.60	4.5	4.5	3.6	4.3
February	29.642	30.050	29.145	38.8	47.9	48.4	54.3	36.2	45.2	72	21	32	34	35	77	59	61	.197	.213	.214	1.77	.79	6.1	5.5	5.4	5.8
March	29.487	29.940	28.920	45.3	57.6	56.5	63.2	43.0	53.1	83	33	37	38	39	74	51	52	.232	.244	.251	1.34	.51	5.7	5.7	5.8	5.6
April	29.437	29.830	28.950	51.1	61.5	61.6	66.6	47.5	57.0	81	32	42	42	44	72	53	55	.285	.295	.314	7.31	3.69	5.5	6.2	6.4	5.9
May	29.459	29.840	29.180	62.8	76.4	75.7	81.1	60.1	70.6	93	52	54	54	55	75	50	52	.433	.447	.456	5.43	1.76	3.9	3.8	5.9	4.1
June	29.343	29.610	29.060	69.6	77.3	78.2	81.7	66.5	74.1	91	53	65	64	66	85	65	67	.619	.605	.642	7.22	2.19	6.4	6.2	5.6	6.6
July	29.504	29.700	29.369	74.6	86.7	85.6	90.2	72.0	81.1	99	66	69	70	70	84	58	61	.719	.731	.741	2.48	1.08	4.5	3.4	4.0	4.0
August	29.503	29.680	29.280	75.3	87.9	85.7	92.0	72.9	82.4	98	68	71	71	70	86	58	62	.755	.760	.744	4.02	2.12	3.3	3.6	3.8	3.7
September	29.552	29.790	29.330	61.7	78.9	77.3	83.5	60.3	71.9	96	47	55	55	56	78	45	49	.445	.456	.472	.05	.05	2.7	3.1	2.4	2.8
October	29.570	29.941	29.210	58.0	74.3	71.7	78.6	56.9	67.8	92	38	54	52	53	85	48	54	.430	.419	.424	4.66	1.94	4.9	4.6	4.2	4.8
November	29.672	30.140	29.240	43.7	53.8	52.2	57.8	41.2	49.5	73	29	39	39	40	83	60	67	.253	.258	.272	2.45	1.10	6.8	6.0	5.8	6.3
December	29.660	30.010	29.218	35.5	47.3	45.8	52.7	33.5	43.1	74	23	30	32	33	82	57	62	.173	.189	.195	1.67	.87	4.1	4.8	3.9	4.3
Year	29.544	30.240	28.920	54.3	66.3	65.5	71.2	51.9	61.6	99	2	48	48	50	80	55	58	.393	.401	.411	40.48	3.69	4.9	4.8	4.7	4.8

FORT WAYNE, IND.

[ϕ=41° 06′ N.; λ=85° 10′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.109	29.540	28.200	22.5	29.0	28.9	34.3	19.2	26.8	60	−5	19	22	23	86	74	78	0.118	0.132	0.137	1.51	0.83	5.3	7.1	6.8	6.1
February	29.120	29.520	28.510	26.4	32.7	31.5	36.8	22.6	29.7	52	5	23	25	25	85	71	77	.131	.140	.145	2.05	.78	6.2	7.2	5.8	6.6
March	29.019	29.520	28.210	32.6	40.7	38.0	44.7	28.1	36.4	71	17	27	28	28	79	61	68	.158	.169	.167	1.47	.40	6.7	7.1	6.5	6.7
April	28.999	29.360	28.480	40.6	49.4	48.2	54.8	36.3	45.6	74	25	33	32	34	74	53	59	.195	.196	.210	2.00	.88	5.8	7.1	6.5	6.2
May	29.042	29.510	28.680	54.1	66.3	64.1	70.6	48.9	59.8	89	35	43	43	44	68	45	52	.293	.294	.316	4.42	3.06	5.5	5.8	4.0	5.0
June	28.928	29.320	28.620	59.8	67.6	67.1	72.0	54.6	63.3	84	43	54	54	56	82	64	69	.434	.432	.463	3.85	1.14	7.0	7.4	7.5	7.0
July	29.073	29.400	28.850	69.1	80.4	76.9	83.8	64.2	74.0	91	51	63	62	64	81	56	66	.580	.575	.608	4.32	2.06	5.1	6.1	5.3	5.8
August	29.106	29.340	28.850	67.4	79.7	76.5	84.2	62.6	73.4	94	52	62	61	61	82	54	61	.569	.554	.562	1.96	.88	4.5	4.5	4.6	4.5
September	29.124	29.410	28.790	54.1	68.7	64.6	72.1	50.8	61.4	89	32	48	46	49	80	45	58	.356	.337	.375	.56	.41	3.7	4.6	4.4	4.5
October	29.154	29.555	28.813	51.4	62.1	59.1	65.6	47.5	56.6	88	27	46	45	45	83	56	62	.341	.330	.333	1.83	.55	5.9	6.4	5.5	6.3
November	29.125	29.493	28.610	39.0	44.9	43.2	48.6	36.3	42.4	70	20	34	35	36	83	70	76	.209	.212	.220	2.67	.87	8.0	7.9	7.6	7.7
December	29.165	29.510	28.460	29.4	36.9	34.9	40.3	26.4	33.4	53	6	26	28	28	85	68	73	.146	.157	.157	1.76	.98	6.5	6.9	6.9	6.8
Year	29.080	29.555	28.200	45.5	54.9	52.8	59.0	41.5	50.2	94	−5	40	40	41	81	60	67	.294	.294	.308	28.39	3.06	5.8	6.5	6.0	6.1

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	29.483	29.920	29.050	40.4	53.2	53.6	60.1	38.2	49.2	80	10	32	37	39	70	55	58	0.197	0.247	0.255	0.46	0.45	4.7	4.2	3.9	4.5
February	29.416	29.820	29.000	44.1	54.2	54.8	60.8	42.1	51.4	74	27	37	40	42	75	66	64	.232	.258	.284	3.53	2.29	5.8	5.4	5.6	5.6
March	29.240	29.680	28.650	51.1	64.4	65.2	70.7	49.1	59.9	92	36	41	41	47	71	46	54	.276	.270	.332	1.10	.97	5.6	5.1	5.4	5.2
April	29.183	29.650	28.650	53.8	64.6	66.8	73.7	50.8	62.2	95	33	46	49	49	77	56	56	.342	.379	.371	5.70	3.51	6.6	5.1	5.7	5.7
May	29.210	29.650	28.890	65.1	80.2	81.4	85.7	62.8	74.2	103	51	57	58	59	76	49	49	.475	.494	.491	3.77	2.00	5.0	4.5	4.5	4.8
June	29.086	29.329	28.730	70.7	83.0	84.8	89.0	68.4	78.7	97	56	66	67	66	84	60	56	.630	.671	.665	1.58	4.14	5.7	5.2	4.2	5.3
July	29.254	29.420	29.038	75.8	87.8	87.9	91.9	74.3	83.0	98	69	69	69	68	81	55	55	.722	.701	.695	4.24	2.74	4.0	4.8	4.9	4.5
August	29.255	29.450	29.100	75.2	89.5	90.5	94.3	74.2	84.2	99	65	69	68	69	81	49	51	.703	.677	.705	2.13	.85	4.4	4.4	3.8	4.1
September	29.295	29.550	29.070	66.9	81.7	81.9	86.4	66.0	76.2	98	56	59	58	58	77	47	48	.519	.504	.500	.45	.38	4.5	4.7	4.2	4.5
October	29.306	29.700	28.960	62.4	77.5	76.2	82.6	60.6	71.6	97	43	57	56	56	83	52	53	.490	.480	.471	4.15	1.53	4.2	4.6	3.9	4.0
November	29.441	29.880	28.990	49.0	59.0	57.3	63.5	45.2	54.8	81	33	44	47	47	84	65	70	.314	.341	.335	1.97	1.11	5.8	5.9	5.4	6.1
December	29.430	29.810	29.080	42.0	53.3	52.1	58.0	38.8	48.2	81	29	34	37	38	74	56	60	.212	.234	.241	5.50	3.46	3.0	4.3	5.0	4.4
Year	29.300	29.920	28.650	58.0	70.7	71.0	76.4	55.9	66.1	103	10	51	52	53	78	54	56	.426	.438	.445	44.58	4.14	4.9	4.8	4.7	4.9

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
January	29.899	30.140	29.500	41.2	50.9	52.0	54.5	38.8	46.6	72	29	37	39	40	86	66	66	0.225	0.244	0.252	0.06	0.06	4.4	5.4	5.5	5.4
February	29.781	30.120	29.280	43.6	58.8	61.1	63.6	41.2	52.4	74	33	39	40	41	84	52	50	.239	.258	.265	.81	.50	2.4	3.7	2.6	3.2
March	29.711	29.980	29.490	50.9	64.8	67.3	70.2	48.5	59.4	86	39	46	47	47	83	54	52	.311	.325	.331	1.32	.56	3.9	5.6	4.8	5.0
April	29.661	29.880	29.440	50.0	68.3	72.1	74.5	48.2	61.4	90	39	44	41	40	80	38	34	.290	.261	.249	.29	.26	2.2	2.4	2.7	2.6
May	29.534	29.740	29.334	58.8	79.6	84.6	86.6	57.5	72.0	102	46	47	46	43	66	32	25	.325	.312	.285	T.	T.	2.1	1.6	3.1	2.2
June	29.469	29.620	29.170	61.6	83.4	89.6	90.8	60.3	75.6	105	50	44	43	38	55	25	18	.296	.278	.234	0	0	.4	.5	.4	.4
July	29.487	29.630	29.310	65.7	89.9	96.6	98.1	64.5	81.3	108	54	48	46	40	54	23	15	.337	.313	.261	0	0	.3	1.3	1.1	1.0
August	29.517	29.680	29.365	65.2	89.8	96.1	98.0	63.1	80.6	105	55	46	45	40	51	22	15	.315	.303	.247	0	0	.2	.1	.4	.2
September	29.526	29.790	29.269	61.4	84.8	90.3	92.4	58.7	75.6	104	49	43	43	37	54	24	17	.285	.278	.225	0	0	.6	1.0	1.2	1.0
October	29.617	29.840	29.164	54.4	72.7	74.9	78.1	51.3	64.7	92	43	43	43	41	67	36	31	.284	.286	.258	T.	T.	.8	1.2	2.0	1.5
November	29.773	30.040	29.340	46.2	60.1	61.4	65.1	42.9	54.0	75	35	42	44	45	86	55	56	.273	.294	.296	1.57	.87	2.1	2.8	3.4	3.0
December	29.839	30.120	29.427	39.5	46.7	48.8	51.5	36.7	44.1	66	26	38	40	41	94	77	76	.231	.247	.263	1.47	.50	5.6	6.6	4.6	6.3
Year	29.651	30.140	29.164	53.2	70.8	74.6	77.0	51.0	64.0	108	26	43	43	41	72	42	38	.284	.283	.264	5.54	.87	2.1	2.7	2.7	2.6

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

FORT SMITH, ARK.

[H_b=457 ft.; h_t=79 ft.; h_r=72 ft.; h_a=94 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: Thunderstorms	Aurora
	Miles		*Mi.*																									
January	6.8	E.	39	W.	1	5	2	24	2	4	8	6	11	0	16	6	9	5	4	0	0	0	2	3	0	13	2	0
February	7.9	E.	36	SW.	1	6	2	20	2	3	7	9	8	1	8	9	12	9	6	2	2	0	0	0	0	7	2	0
March	8.3	E.	33	E.	1	8	4	26	1	3	6	7	7	0	10	10	11	7	6	1	0	1	0	0	0	0	5	0
April	8.8	E.	35	SW.	1	7	3	23	5	9	4	4	5	0	10	7	13	7	7	0	0	0	0	0	0	0	8	0
May	7.0	E.	24	NW.	0	5	9	22	4	3	3	6	9	1	14	10	7	9	8	0	0	0	0	0	1	0	7	0
June	7.8	E.	32	SW.	0	2	3	26	8	9	4	6	2	0	4	13	13	14	11	0	0	0	0	0	2	0	13	0
July	5.4	E.	28	SE.	0	3	3	30	5	9	5	3	4	0	16	10	5	8	5	0	0	0	0	0	17	0	12	1
August	5.5	E.	31	W.	0	6	5	37	4	7	2	1	0	0	18	8	5	7	6	0	0	0	0	0	24	0	8	0
September	5.7	E.	17	NW.	0	6	8	33	6	0	3	1	2	1	19	6	5	1	1	0	0	0	0	0	6	0	0	0
October	6.9	E.	35	SW.	1	1	2	33	12	5	4	1	4	0	7	18	6	11	9	0	0	0	0	0	4	0	10	0
November	7.0	E.	30	SW.	0	7	0	23	4	3	5	8	10	0	7	9	14	8	6	1	0	0	2	0	0	4	1	0
December	7.8	E.	34	W.	1	5	2	26	3	2	10	4	10	0	17	4	10	6	5	1	0	0	0	0	0	17	0	0
Year	7.1	E.	39	W.	6	61	43	323	56	57	61	56	72	3	146	110	110	92	74	5	2	1	4	3	54	41	68	1

FORT WAYNE, IND.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	11.0	SW.	39	W.	2	0	1	2	5	4	31	14	5	0	7	9	15	7	3	7	2	0	2	13	0	24	0	0
February	9.6	SW.	28	SW.	0	1	3	6	5	8	16	14	5	0	5	9	15	12	10	14	4	0	1	8	0	25	0	0
March	9.9	W.	35	W.	2	3	8	3	4	5	13	13	13	0	7	7	17	10	8	10	3	1	1	4	0	24	3	0
April	10.5	W.	32	SW.	0	6	7	6	6	6	8	13	8	0	6	14	10	11	8	4	2	0	0	0	0	14	0	0
May	7.7	SW.	26	SW.	0	5	12	7	2	6	15	2	13	0	7	19	5	10	10	0	0	0	0	0	0	0	7	0
June	7.8	SW.	26	SW.	0	4	3	9	3	9	11	12	9	0	7	8	15	12	9	0	0	0	1	0	0	0	2	0
July	6.3	SW.	30	SW.	0	6	4	3	1	3	18	11	16	0	6	19	6	12	10	0	0	0	0	0	3	0	10	1
August	6.3	SW.	26	SW.	0	7	8	11	3	3	17	4	9	0	12	16	3	10	6	0	0	0	0	0	7	0	6	0
September	7.6	SW.	30	W.	0	6	8	3	4	1	20	15	3	0	11	12	7	4	4	0	0	0	0	0	0	0	1	0
October	7.6	SW.	27	NW.	0	3	0	3	8	7	23	9	8	1	7	8	16	11	8	0	0	1	1	0	0	3	2	0
November	9.8	SW.	29	N.	0	3	4	2	2	3	22	13	10	1	4	7	19	16	11	9	7	0	0	1	0	9	0	0
December	7.4	SW.	28	W.	0	2	3	5	6	5	21	13	7	0	7	7	17	6	4	11	2	0	2	6	0	24	0	0
Year	8.5	SW.	39	W.	4	46	61	60	49	60	215	133	106	2	86	135	145	121	91	55	20	2	8	32	10	123	31	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 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	Thunderstorms	Aurora
January	8.0	S.	28	NW.	0	4	4	4	10	18	8	4	10	0	15	7	9	3	2	0	0	0	1	3	0	6	0	0
February	8.6	S.	30	W.	0	9	3	5	10	7	8	10	6	0	9	10	10	6	5	1	0	0	1	0	0	4	1	0
March	9.4	NW.	38	S.	1	6	10	6	7	12	7	2	12	0	11	10	10	3	2	0	0	0	0	0	2	0	3	0
April	11.5	S.	38	SE.	2	7	4	2	14	18	3	4	6	2	9	10	11	8	7	2	0	0	0	0	2	0	6	0
May	8.8	S.	35	NW.	1	7	1	6	17	9	6	7	9	0	12	12	7	9	6	0	0	1	0	0	10	0	7	0
June	11.6	S.	35	SE.	1	0	8	5	12	25	2	4	4	0	7	13	5	11	10	0	0	0	1	0	16	0	8	0
July	8.2	S.	35	SE.	0	2	8	3	23	19	4	1	2	0	13	12	6	6	6	0	0	0	0	0	24	0	7	1
August	7.0	S.	35	SW.	0	1	10	5	14	19	6	1	6	0	16	9	6	5	5	0	0	0	0	0	27	0	5	0
September	6.3	SE.	24	SE.	0	5	11	14	13	7	2	1	7	0	14	8	8	5	1	0	0	0	0	0	11	0	1	0
October	8.2	SE.	24	S.	0	0	10	5	24	8	7	3	5	0	17	5	9	10	8	0	0	0	0	0	7	0	7	0
November	7.3	SE.	32	S.	0	9	4	2	16	5	8	6	10	0	9	7	14	8	7	0	0	0	3	0	0	0	3	0
December	7.5	NW.	27	NW.	0	4	2	5	12	5	13	9	12	0	16	6	9	7	6	0	0	0	2	0	0	4	3	0
Year	8.5	S.	38	S.	5	54	75	62	172	152	74	52	89	2	148	114	104	81	65	3	0	1	8	3	99	14	51	1

FRESNO, CALIF.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	3.1	E.	22	NW.	0	4	6	12	7	3	0	7	19	4	13	6	12	3	0	1	0	0	5	0	0	5	1	0
February	4.4	NW.	22	NW.	0	1	5	10	5	1	4	2	37	3	19	7	3	5	3	0	0	0	1	0	0	0	0	0
March	5.5	NW.	21	NW.	0	3	5	16	4	2	1	3	36	2	10	12	9	8	6	0	0	0	0	0	0	0	0	0
April	7.9	NW.	27	NW.	0	5	2	2	0	2	2	2	43	2	20	8	2	2	1	0	0	0	0	0	0	0	0	0
May	7.6	NW.	25	NW.	0	2	2	3	1	2	1	2	48	1	23	6	2	0	0	0	0	0	0	0	12	0	1	0
June	9.1	NW.	27	NW.	0	1	0	0	0	0	0	0	58	1	30	0	0	0	0	0	0	0	0	0	15	0	0	0
July	7.2	NW.	21	NW.	0	2	0	0	1	1	0	1	57	0	26	5	0	0	0	0	0	0	0	0	27	0	0	0
August	6.3	NW.	18	NW.	0	4	0	0	1	0	0	1	52	4	31	0	0	0	0	0	0	0	0	0	27	0	0	0
September	6.0	NW.	21	NW.	0	3	3	1	2	0	1	1	43	6	27	3	0	0	0	0	0	0	0	0	20	0	0	0
October	5.4	NW.	29	NW.	0	2	0	5	3	1	1	1	42	7	25	5	1	9	0	0	0	0	0	0	2	0	1	0
November	3.6	NW.	17	SE.	0	4	7	12	4	1	3	1	24	4	19	7	4	4	4	0	0	0	6	0	0	0	0	0
December	3.8	NW.	28	NW.	0	5	4	9	12	3	3	3	21	2	11	6	14	7	5	0	0	1	14	0	0	9	1	0
Year	5.8	NW.	29	NW.	0	36	34	70	42	14	16	24	460	36	254	65	47	29	19	1	0	1	26	0	103	14	4	0

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

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
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	30.195	30.640	29.840	49.4	55.2	52.9	58.3	47.5	52.9	69	20	45	44	46	85	69	79	0.334	0.330	0.342	0.41	0.21	3.8	5.9	4.3	5.0
February	30.099	30.450	29.730	52.7	56.6	56.0	60.6	50.2	55.4	75	35	48	49	50	85	78	80	.356	.369	.370	5.41	2.78	6.1	6.0	5.5	6.3
March	29.936	30.320	29.555	59.5	64.6	62.8	68.1	57.3	62.7	80	41	56	57	57	88	80	82	.469	.499	.478	.70	.24	5.3	6.2	4.4	6.1
April	29.908	30.260	29.510	61.4	65.8	64.8	68.9	58.3	63.6	80	41	56	57	57	83	74	78	.472	.489	.492	1.43	.68	5.3	4.7	4.8	4.7
May	29.910	30.200	29.660	71.1	76.6	74.8	79.2	69.7	74.4	89	61	65	65	66	83	70	76	.638	.637	.642	1.54	1.36	3.5	3.5	3.5	3.1
June	29.840	30.030	29.550	78.9	82.0	80.3	84.0	76.6	80.3	88	66	73	73	74	84	76	81	.822	.823	.839	4.23	3.52	4.8	4.8	4.7	4.2
July	29.966	30.140	29.870	81.3	85.8	83.5	87.8	79.7	83.8	91	72	74	74	74	80	68	74	.849	.836	.841	1.14	.77	3.6	3.4	3.2	3.2
August	29.944	30.075	29.770	81.7	86.3	84.5	89.2	79.4	84.3	97	72	74	75	75	79	69	73	.848	.859	.864	5.24	2.63	4.1	4.5	4.0	4.0
September	29.916	30.080	29.780	74.5	79.8	78.8	82.9	73.1	78.0	90	63	70	70	70	86	73	76	.745	.742	.744	7.20	4.43	4.8	5.2	4.3	4.8
October	30.002	30.240	29.730	72.9	77.9	75.7	80.5	70.6	75.6	88	55	67	68	66	82	68	74	.687	.661	.669	3.82	3.11	3.2	3.2	2.0	2.9
November	30.122	30.500	29.810	59.3	64.4	63.4	67.8	57.0	62.4	80	44	55	56	56	88	76	77	.454	.479	.468	3.87	2.30	4.5	4.4	4.3	4.8
December	30.125	30.470	29.750	52.1	57.4	56.3	60.9	48.8	54.8	75	38	47	48	49	84	72	78	.348	.359	.373	4.20	2.48	4.7	4.4	3.4	4.0
Year	29.997	30.640	29.510	66.2	71.0	69.5	74.0	64.0	69.0	97	20	61	61	62	84	73	77	.585	.590	.594	39.19	4.43	4.5	4.7	4.1	4.4

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	29.293	29.810	28.370	25.2	27.0	27.1	30.6	21.4	26.0	46	1	23	23	23	89	85	83	0.129	0.134	0.129	1.58	0.66	8.3	8.7	6.6	8.5
February	29.340	29.820	28.790	24.7	28.8	27.5	32.8	20.6	26.7	45	7	21	22	22	86	74	78	.118	.124	.121	1.48	.65	7.8	7.0	5.7	6.8
March	29.248	29.720	28.660	29.1	34.0	33.3	39.7	24.5	32.1	67	13	25	25	25	83	69	71	.141	.139	.144	1.59	.71	5.9	6.2	5.2	6.0
April	29.213	29.609	28.580	37.4	42.6	42.1	47.7	32.7	40.2	67	22	31	31	33	78	66	70	.182	.184	.203	2.75	.87	5.7	5.9	5.7	5.7
May	29.279	29.780	28.927	51.0	55.7	55.4	61.9	44.3	53.1	77	35	41	41	40	71	61	59	.268	.266	.260	2.08	1.37	4.2	3.7	4.7	4.4
June	29.145	29.591	28.860	57.2	60.9	60.6	67.3	50.0	58.6	82	38	51	51	50	81	72	71	.384	.382	.374	5.15	1.47	5.8	6.2	5.6	6.5
July	29.291	29.624	28.990	66.6	71.3	70.6	76.2	61.6	68.9	89	49	61	61	60	83	71	71	.544	.548	.529	1.13	.53	4.1	4.1	3.9	4.2
August	29.331	29.604	29.010	65.5	72.4	70.6	76.7	59.5	68.1	87	48	60	61	61	83	69	73	.538	.548	.549	2.34	.60	4.5	4.5	3.4	4.3
September	29.336	29.690	28.990	55.4	62.6	60.0	66.2	49.7	58.0	84	37	49	50	51	80	66	73	.369	.388	.403	2.81	1.02	4.6	5.5	4.5	5.1
October	29.357	29.800	28.960	49.9	56.0	54.1	59.4	45.5	52.4	78	26	45	45	47	83	68	77	.315	.318	.341	2.94	.87	4.5	6.7	5.8	6.7
November	29.324	29.710	28.730	39.2	42.3	41.6	45.7	35.3	40.5	59	21	34	35	36	83	76	81	.203	.207	.219	5.46	2.23	8.2	8.1	7.0	8.2
December	29.371	29.775	28.820	30.0	33.4	32.7	36.8	27.4	32.1	47	13	26	28	27	86	79	80	.150	.157	.155	2.63	1.22	8.5	8.1	7.4	8.5
Year	29.294	29.820	28.370	44.3	48.9	48.0	53.4	39.4	46.4	89	1	39	39	40	82	71	74	.278	.283	.286	31.96	2.23	6.2	6.2	5.5	6.2

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	25.555	25.970	25.000	21.9	36.7	36.0	42.4	18.7	30.6	59	4	18	21	22	84	52	55	0.094	0.110	0.114	0.27	0.22	3.0	3.5	3.3	3.2
February	25.436	25.740	25.000	27.6	42.8	43.1	47.9	25.2	36.6	56	16	19	19	19	69	38	39	.104	.105	.105	.19	.07	3.1	3.8	4.6	3.7
March	25.349	25.620	24.790	37.2	51.8	52.7	57.1	34.8	46.0	73	26	29	28	26	71	42	36	.158	.152	.140	1.24	.47	5.8	5.7	5.6	5.7
April	25.258	25.570	24.958	38.8	57.8	60.2	63.4	36.8	50.1	83	19	21	16	15	50	20	18	.116	.093	.068	.19	.09	3.6	5.1	5.6	4.6
May	25.355	25.690	25.050	53.1	71.4	70.9	76.8	51.0	63.9	91	37	41	36	35	66	30	32	.258	.218	.213	1.29	.41	4.3	4.3	6.0	4.5
June	25.218	25.480	24.840	57.7	77.4	80.5	83.7	54.6	69.2	97	43	35	30	25	47	22	16	.208	.174	.138	.84	.30	2.7	2.9	3.1	2.5
July	25.390	25.600	25.100	65.5	86.1	87.3	92.3	64.0	78.2	97	54	42	39	37	45	21	20	.279	.254	.239	.41	.20	2.8	2.7	4.3	3.0
August	25.414	25.610	25.180	61.7	82.0	83.6	87.4	60.0	73.7	97	53	43	42	40	52	26	25	.285	.269	.253	1.10	.48	2.8	3.8	4.2	3.6
September	25.407	25.640	25.070	55.8	76.8	77.9	83.0	54.1	68.6	90	45	35	33	34	47	22	22	.210	.194	.197	.61	.30	2.2	1.9	2.2	2.1
October	25.393	25.680	24.910	46.6	62.1	60.2	66.8	43.2	55.0	81	35	34	33	35	64	38	44	.195	.189	.207	3.15	1.26	3.2	3.8	3.7	3.6
November	25.481	25.870	24.950	34.2	44.4	43.0	48.9	31.3	40.1	61	24	29	29	31	80	56	62	.159	.163	.172	1.00	.55	4.8	5.6	4.6	5.4
December	25.537	25.850	25.110	17.3	29.5	28.2	34.3	14.1	24.2	44	−2	15	19	20	88	64	71	.086	.104	.109	1.12	.62	3.3	3.6	2.6	3.4
Year	25.399	25.970	24.790	43.1	59.9	60.4	65.3	40.6	53.0	97	−2	30	29	28	64	36	37	.179	.169	.165	11.50	1.26	3.5	3.9	4.2	3.8

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	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	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	29.211	29.750	28.260	24.6	28.0	26.9	31.4	20.7	26.0	53	1	21	22	21	85	77	78	0.121	0.128	0.121	1.32	0.59	8.6	8.5	7.4	8.1
February	29.259	29.750	28.710	24.2	29.8	27.7	34.0	20.1	27.0	47	5	21	21	21	84	70	73	.117	.121	.117	1.54	.46	7.5	7.2	5.4	7.2
March	29.169	29.670	28.570	29.7	36.4	34.6	41.3	25.6	33.4	71	13	23	23	23	76	57	61	.134	.132	.136	2.04	1.03	6.3	6.4	5.3	6.0
April	29.137	29.550	28.520	38.3	47.3	45.3	51.9	34.6	43.2	73	22	30	31	32	72	56	60	.183	.188	.199	2.66	.86	5.1	7.0	5.9	6.4
May	29.200	29.700	28.880	53.0	64.3	62.9	68.4	47.5	58.0	86	35	41	42	42	66	46	49	.271	.283	.287	3.09	1.19	5.5	5.7	4.8	5.1
June	29.074	29.520	28.770	59.1	66.9	64.4	70.8	53.0	61.9	82	43	51	52	51	77	61	65	.390	.400	.391	8.03	1.92	6.8	7.1	7.0	6.9
July	29.217	29.570	29.010	68.0	79.2	76.2	82.2	63.0	72.6	96	48	61	60	60	78	53	60	.540	.528	.539	.81	.36	5.4	5.3	4.5	5.2
August	29.259	29.534	28.940	65.7	78.0	75.0	81.4	61.2	71.3	92	49	59	57	59	80	51	60	.520	.489	.523	4.46	2.54	5.0	5.7	3.7	5.2
September	29.261	29.600	28.910	53.4	66.0	61.6	69.1	50.0	59.6	88	38	48	47	49	82	52	64	.351	.348	.374	3.14	1.30	4.3	6.0	4.5	6.1
October	29.287	29.730	28.900	49.1	58.8	55.0	62.1	46.2	54.2	85	29	43	44	45	81	59	70	.300	.307	.322	3.27	.76	5.6	7.1	6.2	7.5
November	29.249	29.630	28.640	38.2	42.9	41.9	46.2	35.3	40.8	65	21	33	33	34	82	69	74	.195	.191	.201	4.47	2.02	8.2	7.6	7.7	8.4
December	29.304	29.720	28.720	29.9	33.8	32.8	36.6	26.8	31.7	48	9	25	28	27	82	77	78	.141	.155	.151	2.79	1.05	8.8	8.6	6.9	8.8
Year	29.219	29.750	28.260	44.4	52.6	50.4	56.3	40.3	48.3	95	1	38	38	39	79	61	66	.272	.272	.280	37.62	2.54	6.4	6.6	5.8	6.8

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

GALVESTON, TEX.

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

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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: Thunderstorms	Aurora
	Miles		*Mi.*																									
January	9.3	N.	27	N.	0	10	12	8	10	12	5	1	4	0	8	16	7	5	4	0	0	0	7	1	0	4	0	0
February	9.2	N.	31	NW.	0	16	6	13	7	8	4	1	3	0	8	7	14	10	9	0	0	0	5	0	0	0	3	0
March	10.3	S.	36	S.	2	10	3	10	5	21	6	2	5	0	6	14	11	8	7	0	0	0	10	0	0	0	2	0
April	12.6	S.	36	W.	1	10	3	2	17	19	1	0	8	0	14	6	10	6	4	0	0	0	0	0	0	0	2	0
May	10.3	S.	33	S.	2	8	0	2	20	18	7	2	5	0	16	13	2	5	2	0	0	0	0	0	0	0	1	0
June	12.2	S.	35	SE.	2	2	0	2	9	42	5	0	0	0	11	17	2	7	5	0	0	0	0	0	0	0	6	0
July	9.1	S.	26	S.	0	0	0	0	8	36	10	6	2	0	18	11	2	5	2	0	0	0	0	0	2	0	3	0
August	7.8	S.	29	S.	0	2	0	2	14	30	9	0	5	0	13	16	2	13	8	0	0	0	0	0	7	0	9	0
September	8.1	NE.	26	SE.	0	18	9	11	12	3	1	1	5	0	14	6	10	10	9	0	0	0	0	0	1	0	3	0
October	8.7	SE.	26	S.	0	5	8	5	22	16	2	2	2	0	21	7	3	5	5	0	0	0	0	0	0	0	4	0
November	9.5	N.	27	N.	0	17	7	8	16	7	1	0	4	0	11	10	9	10	7	0	0	0	2	0	0	0	2	0
December	8.2	N.	34	NW.	1	13	6	9	5	9	4	4	11	1	13	13	5	9	9	0	0	0	0	0	0	0	1	0
Year	9.6	S.	36	W.	8	111	54	72	145	221	55	19	54	1	153	136	77	93	71	0	0	0	24	1	10	4	36	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	Thunderstorms	Aurora
January	14.4	W.	53	NW.	5	3	1	3	6	5	15	19	10	0	3	3	25	15	8	17	13	0	0	13	0	21	0	0
February	12.8	W.	48	W.	4	6	1	8	6	4	6	14	13	0	5	8	16	14	8	17	10	0	3	11	0	27	0	0
March	12.0	W.	37	W.	2	11	5	3	8	9	4	13	9	0	7	14	10	11	8	14	8	1	1	4	0	26	3	0
April	11.9	W.	49	W.	2	9	0	9	8	6	4	13	11	0	8	13	9	13	9	7	4	1	0	1	0	18	3	0
May	8.8	W.	28	S.	0	12	3	3	7	10	6	12	9	0	17	7	7	11	6	0	0	0	2	0	0	0	3	0
June	9.0	W.	28	S.	0	5	2	10	8	9	10	7	9	0	7	7	16	13	11	0	0	0	2	0	0	0	4	0
July	8.3	S.	28	SE.	0	10	1	1	4	18	10	9	9	0	14	13	4	7	5	0	0	0	2	0	0	0	4	1
August	7.8	S.	25	S.	0	9	4	7	6	9	14	10	3	0	14	11	6	8	6	0	0	0	1	0	0	0	8	1
September	9.6	SW.	36	W.	2	9	2	6	7	10	11	8	7	0	9	14	7	9	8	1	1	3	0	0	0	0	5	0
October	10.7	S.	32	W.	0	9	2	3	14	11	6	13	4	0	7	7	17	15	10	2	0	0	0	0	0	2	2	0
November	12.4	N.	46	W.	5	11	9	3	8	2	11	8	8	0	8	5	22	18	14	8	7	0	1	1	0	8	0	0
December	10.7	W.	40	W.	3	3	2	6	14	8	10	14	5	0	4	2	25	10	8	11	5	0	2	8	0	21	0	0
Year	10.7	W.	53	NW.	23	97	32	62	96	101	107	140	97	0	98	104	164	144	101	77	48	5	14	38	0	123	32	2

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	Thunderstorms	Aurora
January	3.6	SE.	29	W.	0	9	0	7	15	5	0	11	13	2	19	11	1	3	2	3	2	0	0	1	0	30	0	0
February	4.8	SE.	21	N.	0	9	7	2	13	2	3	4	16	2	16	8	5	4	3	4	2	0	0	0	0	26	0	0
March	4.9	SE.	34	NW.	1	11	4	1	17	8	1	10	10	0	8	10	13	11	9	5	1	0	0	0	0	10	1	0
April	6.8	NW.	32	SW.	0	8	3	5	6	7	6	12	11	2	9	15	6	4	3	2	2	0	0	0	0	10	1	0
May	5.7	SE.	29	S.	0	11	1	7	19	6	3	4	11	0	12	12	7	11	10	0	0	0	0	0	2	0	11	0
June	6.4	SE.	30	S.	0	5	5	4	17	7	6	10	6	0	19	9	2	3	4	0	0	0	0	0	5	0	2	0
July	6.2	SE.	30	NW.	0	12	3	7	24	3	2	4	7	0	17	12	2	7	5	0	0	0	0	0	26	0	13	1
August	5.7	SE.	28	SW.	0	18	2	4	23	5	3	3	4	0	17	10	4	8	5	0	0	2	0	0	12	0	8	0
September	5.3	SE.	30	W.	0	15	4	4	19	5	2	3	8	0	24	4	2	4	3	0	0	0	1	0	1	0	6	0
October	5.0	SE.	28	SE.	0	10	3	6	17	4	3	2	17	0	18	7	6	9	7	0	0	1	0	0	0	0	1	0
November	4.3	SE.	36	SW.	1	6	5	1	17	5	4	7	13	2	11	8	11	10	6	7	5	0	0	0	0	16	1	0
December	3.5	SE.	21	SE.	0	12	8	9	15	7	0	0	10	1	19	6	6	9	6	12	9	0	5	8	0	31	0	0
Year	5.2	SE.	36	SW.	2	126	45	57	202	64	33	70	126	9	189	112	65	85	63	33	21	3	6	9	46	123	44	1

GRAND RAPIDS, MICH.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	6.9	W.	32	W.	0	0	1	2	4	5	10	20	19	1	1	9	21	14	8	15	7	0	2	18	0	23	0	0
February	6.5	NW.	24	NW.	0	2	2	3	10	6	7	10	18	0	5	6	18	15	10	18	10	0	0	10	0	28	0	0
March	6.9	NW.	25	NW.	0	0	7	3	9	7	2	18	16	0	5	13	13	10	7	16	8	0	0	4	0	26	4	0
April	6.8	NW.	26	NW.	0	1	3	5	17	4	4	9	17	0	5	11	14	15	10	8	4	1	0	2	0	15	5	0
May	4.7	NW.	22	W.	0	0	2	4	10	5	4	13	22	2	11	11	9	9	8	0	0	1	1	0	0	0	4	0
June	5.2	W.	16	W.	0	0	1	6	14	5	8	14	12	0	5	10	15	13	10	0	0	0	0	0	0	0	3	0
July	4.7	W.	16	W.	0	2	3	2	5	6	8	18	18	0	8	15	8	8	6	0	0	0	0	0	2	0	3	0
August	4.2	W.	18	SW.	0	1	3	12	6	8	13	11	0	0	9	13	9	8	8	0	0	0	0	0	5	0	9	0
September	4.6	NW.	18	W.	0	1	4	5	4	10	10	14	9	3	7	8	15	18	9	1	0	0	0	0	0	0	5	0
October	4.9	S.	22	NW.	0	1	2	3	7	16	8	10	15	0	3	9	19	12	10	1	0	0	1	0	0	2	4	0
November	6.0	NW.	23	NW.	0	1	5	6	4	10	10	8	15	1	2	8	20	18	10	9	6	0	1	1	0	9	0	0
December	5.1	W.	28	W.	0	1	2	1	9	10	14	18	6	1	1	6	24	10	9	12	7	0	0	7	0	23	0	0
Year	5.5	W.	32	W.	0	10	35	52	99	92	93	165	178	8	62	119	185	143	105	80	42	2	5	37	7	126	37	0

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

GREEN BAY, WIS.

[ϕ=44° 31′ N.; λ=88° 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.	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	29.299	29.900	28.430	15.9	22.5	21.4	25.7	11.9	18.8	48	−9	13	16	16	86	74	78	0.090	0.103	0.099	0.36	0.10	6.2	5.7	4.1	6.0
February	29.359	29.872	28.910	16.9	23.7	22.9	27.4	11.9	19.6	39	−23	14	17	16	86	73	74	.089	.100	.096	1.89	.91	6.2	6.2	4.9	5.9
March	29.265	29.710	28.685	24.2	32.0	32.4	38.3	20.6	29.4	67	−4	19	22	23	80	65	67	.111	.122	.131	2.40	.95	4.7	4.6	4.9	4.8
April	29.225	29.670	28.560	34.2	41.5	39.8	46.0	29.1	37.6	67	12	28	27	29	78	59	66	.161	.154	.167	2.29	.56	5.6	6.7	5.8	6.4
May	29.291	29.820	28.940	50.8	62.2	59.3	67.3	45.6	56.4	84	36	42	41	41	72	49	54	.272	.271	.271	1.17	.37	5.0	4.6	5.4	5.6
June	29.155	29.598	28.810	57.2	65.3	63.8	69.9	51.3	60.6	84	42	49	49	49	75	59	61	.355	.361	.369	5.50	3.51	6.1	6.8	6.5	6.7
July	29.292	29.586	29.000	65.9	74.9	73.0	78.7	60.9	69.8	91	50	60	60	61	82	62	68	.525	.532	.548	3.46	1.34	4.5	5.5	4.5	5.0
August	29.332	29.602	28.800	63.6	74.4	72.1	78.1	58.8	68.4	93	45	58	59	59	84	60	65	.501	.516	.518	3.82	1.27	4.3	4.7	3.3	4.4
September	29.327	29.690	28.880	50.2	62.6	58.7	66.1	47.1	56.6	80	32	47	48	48	89	59	68	.341	.350	.352	2.34	.85	5.9	5.8	4.7	6.0
October	29.347	29.802	28.850	46.0	54.6	51.3	57.9	42.5	50.2	82	24	41	42	43	84	65	75	.275	.291	.294	3.71	.89	6.4	6.5	5.5	6.6
November	29.347	29.800	28.790	34.7	39.5	37.7	42.4	31.7	37.0	58	17	28	29	30	77	67	74	.156	.164	.169	1.18	.83	8.5	7.6	7.3	7.5
December	29.369	29.830	28.800	24.0	29.3	27.9	31.9	20.5	26.2	45	−6	20	22	23	86	74	80	.119	.129	.130	.92	.39	6.5	7.4	6.5	6.7
Year	29.301	29.900	28.430	40.3	48.5	46.7	52.5	36.0	44.2	93	−23	35	36	36	82	64	69	.250	.258	.262	29.04	3.51	5.8	6.0	5.3	6.0

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	29.042	29.450	28.420	35.5	46.5	44.4	52.1	32.8	42.4	74	5	26	29	30	68	52	56	0.170	0.193	0.195	2.99	1.12	3.8	3.6	2.7	3.9
February	29.017	29.390	28.510	38.0	46.6	46.6	53.9	33.3	44.6	67	19	32	35	34	77	66	64	.185	.211	.210	3.30	1.57	5.0	5.6	3.8	4.9
March	28.876	29.300	28.460	45.0	55.0	53.7	61.4	42.0	51.7	81	27	38	40	40	78	61	62	.246	.273	.266	4.24	1.02	5.7	5.1	4.1	5.5
April	28.894	29.360	28.420	51.3	60.1	60.1	65.9	44.[illegible]	56.6	79	34	45	46	45	80	63	61	.310	.323	.313	5.66	1.28	5.4	6.5	6.7	6.4
May	28.855	29.310	28.540	61.5	71.9	69.0	76.7	55.[illegible]	66.8	87	44	52	50	52	72	51	58	.395	.383	.400	4.47	2.46	5.0	4.8	5.9	5.3
June	28.865	29.040	28.710	69.5	77.6	74.4	82.9	66.[illegible]	73.9	93	55	63	65	64	82	66	71	.586	.617	.593	4.36	2.12	6.4	6.5	6.8	6.7
July	28.949	29.167	28.790	73.5	83.3	78.1	87.8	69.3	78.6	94	64	68	67	69	84	60	74	.686	.671	.706	7.58	3.99	4.8	5.5	7.5	6.1
August	28.970	29.180	28.460	72.9	82.6	77.5	86.5	69.3	77.9	92	66	69	69	70	88	64	78	.712	.704	.726	13.36	6.52	4.7	6.1	7.0	5.9
September	28.941	29.190	28.543	64.2	74.4	71.0	78.5	61.1	69.8	91	48	59	61	61	83	64	72	.516	.549	.551	3.64	1.86	4.9	5.4	4.6	5.0
October	29.066	29.360	28.680	59.0	69.2	65.3	73.2	56.5	64.8	86	39	52	53	53	79	59	68	.418	.428	.433	1.84	.83	4.3	4.4	3.7	4.1
November	29.050	29.440	28.670	46.4	57.3	53.4	61.5	42.8	52.2	74	22	38	39	38	71	52	58	.246	.260	.256	.88	.62	5.0	4.8	3.8	4.5
December	29.042	29.350	28.560	40.0	48.7	46.1	53.3	36.3	44.8	66	25	31	33	34	70	56	63	.184	.201	.204	1.51	.75	4.4	4.5	3.1	4.8
Year	28.964	29.450	28.420	54.7	64.4	61.6	69.5	51.2	60.3	94	5	48	49	49	78	60	65	.388	.401	.404	54.13	6.52	5.0	5.2	4.9	5.3

GROESBECK, TEX.

[ϕ=31° 30′ N.; λ=96° 28′ 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	29.736	30.260	29.330	41.3	54.6	----	59.4	39.7	49.6	78	14	36	36	----	81	51	----	0.248	0.254	----	0.34	0.19	6.0	4.6	----	4.8
February	29.660	30.000	29.240	44.1	53.9	----	58.6	42.4	50.5	76	29	40	41	----	85	64	----	.262	.272	----	4.38	2.34	6.6	5.9	----	5.6
March	29.479	29.880	29.000	52.2	64.9	----	70.8	49.0	59.9	92	34	47	46	----	82	54	----	.341	.331	----	.80	.47	5.9	4.3	----	4.9
April	29.445	29.770	28.970	54.0	65.5	----	71.7	51.0	61.4	87	34	50	48	----	86	57	----	.385	.374	----	2.42	1.05	5.1	4.9	----	4.8
May	29.456	29.798	29.090	65.5	81.1	----	85.2	62.5	73.8	98	51	60	57	----	82	47	----	.528	.488	----	2.73	2.03	4.6	3.9	----	4.2
June	29.349	29.568	29.010	72.7	82.8	----	87.6	69.5	78.6	94	56	69	68	----	88	63	----	.712	.698	----	7.71	4.09	6.5	4.4	----	4.9
July	29.505	29.670	29.320	75.3	88.7	----	92.4	72.2	82.3	98	66	73	70	----	92	55	----	.803	.730	----	4.03	1.64	4.4	4.3	----	3.9
August	29.504	29.620	29.330	75.2	91.2	----	95.4	73.0	84.2	100	68	71	69	----	88	48	----	.763	.700	----	.01	.01	3.3	3.4	----	3.1
September	29.512	29.690	29.340	66.2	83.1	----	87.6	65.3	76.4	96	54	62	59	----	86	47	----	.578	.527	----	1.03	.63	4.7	4.4	----	4.2
October	29.550	29.850	29.210	61.4	70.4	----	83.7	59.9	71.8	95	38	58	56	----	90	49	----	.523	.493	----	1.47	.58	5.4	4.1	----	4.1
November	29.672	30.060	29.300	48.8	60.7	----	64.9	45.9	55.4	81	34	44	44	----	84	58	----	.318	.325	----	1.41	.36	6.2	6.4	----	5.7
December	29.670	30.030	29.280	40.7	54.9	----	58.8	37.9	48.4	75	27	36	38	----	84	55	----	.227	.247	----	4.97	2.70	3.5	4.3	----	4.1
Year	29.545	30.260	28.970	58.1	71.7	----	76.3	55.7	66.0	100	14	54	53	----	86	54	----	.474	.453	----	31.30	4.09	5.2	4.6	----	4.5

HANNIBAL, MO.

[ϕ=39° 41′ N.; λ=91° 20′ W.]

Month	Monthly mean	Maximum	Minimum	8 a. m.	Noon, local time	8 p. m.	Maximum	Minimum	Monthly	Maximum	Minimum	8 a. m.	Noon, local time	8 p. m.	8 a. m.	Noon, local time	8 p. m.	8 a. m.	Noon, local time	8 p. m.	Total	Maximum in 24 hours	8 a. m.	Noon, local time	8 p. m.	Daylight
January	29.558	30.090	28.870	25.4	33.0	----	39.3	22.5	30.9	70	−14	19	22	----	75	62	----	0.121	0.134	----	0.41	0.20	4.4	5.2	----	4.6
February	29.518	29.920	29.020	30.2	37.5	----	43.8	27.7	35.8	61	7	24	25	----	77	61	----	.138	.150	----	2.02	.89	5.8	5.4	----	5.4
March	29.417	29.880	28.780	36.6	47.8	----	54.0	34.0	44.0	82	17	29	29	----	73	48	----	.167	.173	----	.93	.28	4.2	6.1	----	4.9
April	29.357	29.770	28.830	43.5	54.3	----	59.6	40.4	50.0	82	25	34	33	----	69	48	----	.204	.209	----	2.61	1.00	5.9	4.9	----	5.3
May	29.394	29.862	29.060	58.7	71.3	----	76.3	53.5	64.9	91	40	48	46	----	69	44	----	.356	.338	----	3.28	1.54	3.5	5.6	----	4.6
June	29.252	29.591	28.900	62.7	71.2	----	75.9	58.2	67.0	85	50	56	54	----	79	58	----	.461	.442	----	5.08	1.54	7.6	7.9	----	7.1
July	29.411	29.710	29.240	72.2	82.5	----	87.0	68.5	77.8	95	59	66	64	----	82	56	----	.650	.622	----	2.76	.94	4.8	5.6	----	4.8
August	29.431	29.720	29.200	69.7	81.9	----	86.1	67.0	76.6	95	58	64	65	----	84	57	----	.619	.621	----	.96	.47	4.4	5.0	----	4.1
September	29.437	29.750	29.200	54.5	70.8	----	74.4	51.6	63.0	93	32	50	50	----	84	49	----	.381	.387	----	4.42	2.53	3.7	3.5	----	3.6
October	29.483	29.960	29.070	52.0	64.8	----	70.3	50.0	60.2	89	33	46	49	----	81	60	----	.341	.385	----	3.97	.90	4.2	5.4	----	4.9
November	29.519	30.070	28.990	40.1	47.6	----	51.3	37.0	44.2	70	21	35	36	----	81	66	----	.214	.226	----	3.82	1.85	5.6	6.7	----	6.0
December	29.538	29.940	28.960	30.2	38.0	----	42.6	27.1	34.8	56	11	25	28	----	82	66	----	.143	.159	----	1.92	1.38	4.5	5.0	----	5.0
Year	29.447	30.090	28.780	48.0	58.4	----	63.4	44.8	54.1	95	−14	41	42	----	78	56	----	.316	.320	----	32.18	2.53	4.9	5.5	----	5.0

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

GREEN BAY, WIS.

[H_b=617 ft.; h_t=109 ft.; h_r=101 ft.; h_a=141 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: Thunderstorms	Aurora
	Miles		*Mi.*																									
January	11.4	W.	38	W.	1	4	2	0	2	13	19	17	5	0	10	7	14	7	6	11	6	0	0	18	0	31	0	0
February	10.9	W.	37	NW.	1	7	8	2	2	11	8	12	8	0	8	11	10	7	6	9	4	0	0	17	0	29	0	0
March	10.3	W.	35	NW.	2	13	5	4	5	9	7	13	6	0	11	11	9	8	7	10	4	1	0	10	0	26	4	0
April	11.7	S.	40	N.	5	10	4	5	9	13	3	9	7	0	7	9	14	16	8	8	7	1	0	4	0	20	2	0
May	8.7	S.	29	NW.	0	9	9	5	10	15	3	6	5	0	8	13	10	13	6	0	0	1	1	0	0	0	2	0
June	9.9	S.	35	S.	2	6	10	4	9	14	7	3	7	0	4	12	14	13	11	0	0	0	0	0	0	0	6	0
July	8.4	S.	34	S.	2	12	3	5	3	15	10	8	5	1	12	10	9	11	9	0	0	0	0	0	2	0	7	3
August	8.1	S.	32	SW.	0	7	5	4	9	22	3	8	4	0	15	10	6	12	11	0	0	0	0	0	3	0	8	0
September	9.2	S.	34	S.	1	4	3	4	5	18	10	11	5	0	8	9	13	8	6	1	0	0	3	0	0	1	5	0
October	10.2	S.	33	NW.	1	7	2	2	4	22	5	17	3	0	6	9	16	14	11	1	0	0	0	0	0	4	3	0
November	11.4	S.	42	SW.	2	7	6	1	2	12	12	9	11	0	5	7	18	7	3	8	4	0	0	3	0	15	0	0
December	9.1	S.	24	NW.	0	6	1	4	1	23	15	8	3	1	6	10	15	9	5	11	4	0	0	14	0	26	0	0
Year	9.9	S.	42	SW.	17	92	58	40	61	187	102	121	69	2	100	118	148	125	89	59	29	3	4	66	5	152	37	3

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	Thunderstorms	Aurora
January	8.5	W.	38	W.	4	5	14	1	0	4	14	21	3	0	19	5	7	7	6	1	1	0	1	4	0	14	0	0
February	8.4	NE.	39	W.	1	6	17	3	2	5	12	7	6	0	12	7	10	10	8	1	0	0	3	0	0	6	0	0
March	8.0	NE.	34	SW.	1	6	19	4	1	7	7	11	7	0	9	9	13	14	13	1	0	0	2	0	0	1	6	0
April	9.5	NE.	34	SW.	1	6	15	4	3	10	11	9	2	0	7	9	14	12	11	0	0	0	2	0	0	0	3	0
May	7.8	SW.	31	NE.	0	11	15	1	3	7	15	6	4	0	9	11	11	13	13	0	0	1	0	0	0	0	11	0
June	8.2	SW.	28	SW.	0	3	7	7	0	11	20	8	4	0	6	10	14	18	12	0	0	0	0	0	4	0	15	0
July	5.1	W.	34	W.	1	2	12	5	6	8	11	11	6	1	4	18	9	15	14	0	0	0	0	0	10	0	17	0
August	6.3	SW.	36	N.	1	5	11	9	1	8	11	11	5	1	5	18	8	12	10	0	0	0	0	0	3	0	10	0
September	6.5	NE.	36	NE.	1	9	27	5	1	7	6	2	3	0	13	8	9	10	8	0	0	0	0	0	2	0	2	0
October	7.0	NE.	25	W.	0	7	25	11	1	6	4	6	2	0	15	8	8	8	5	0	0	0	0	0	0	0	0	0
November	7.3	SW.	30	S.	0	9	12	1	3	7	14	6	8	0	13	7	10	4	3	0	0	0	0	0	0	5	0	0
December	6.9	NE.	30	SW.	0	6	29	1	0	6	7	8	4	1	14	6	11	8	7	1	0	0	3	0	0	8	0	0
Year	7.5	NE.	39	W.	10	75	203	52	21	86	132	106	54	3	126	116	124	131	110	4	1	1	11	4	19	34	64	0

GROESBECK, TEX.

[H_b=461 ft.; h_t=11 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	Thunderstorms	Aurora
January	9.3	S.	38	SW.	1	4	4	1	4	9	3	4	2	0	13	9	9	4	3	0	0	0	1	1	0	8	0	0
February	9.5	N.	33	NE.	1	3	5	2	4	6	1	2	6	0	11	2	16	12	9	0	0	0	0	0	0	4	4	0
March	11.0	S.	35	NE.	1	3	3	3	5	4	6	0	7	0	15	6	10	6	3	1	0	1	0	0	1	0	5	0
April	14.4	S.	36	SE.	2	3	4	1	3	12	3	1	3	0	14	7	9	8	8	1	0	0	0	0	0	0	4	0
May	10.2	S.	26	SE.	0	3	1	1	7	10	4	0	5	0	13	13	5	7	5	0	0	0	0	0	6	0	6	0
June	12.4	S.	36	NW.	2	2	0	2	6	17	2	0	1	0	11	13	6	11	10	0	0	2	0	0	12	0	12	0
July	8.1	SE.	42	SW.	1	0	0	0	4	17	10	0	0	0	17	9	5	8	5	0	0	1	0	0	27	0	9	2
August	7.5	S.	26	E.	0	3	1	2	6	12	4	0	1	2	17	12	2	1	0	0	0	0	0	0	30	0	4	0
September	7.0	NE.	27	N.	0	4	8	8	4	5	0	0	1	0	14	7	9	6	5	0	0	0	0	0	15	0	3	0
October	8.7	SE.	29	SE.	0	0	4	3	11	7	2	0	2	2	13	15	3	5	5	0	0	0	2	0	9	0	5	1
November	8.4	N.	37	S.	1	4	6	2	1	9	1	3	4	0	9	8	13	12	8	0	0	0	1	0	0	0	2	0
December	8.9	N.	27	NW.	0	7	2	0	4	3	6	3	6	0	14	9	8	7	5	0	0	0	1	0	0	6	3	0
Year	9.6	S.	42	SW.	9	36	38	25	59	111	42	13	38	4	161	110	95	87	66	2	0	4	5	1	100	18	57	3

HANNIBAL, MO.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	9.1	SW.	29	W.	0	3	2	1	1	1	15	2	6	0	15	7	9	5	2	4	3	0	1	9	0	20	0	0
February	9.1	SW.	26	SW.	0	0	1	4	1	1	9	5	8	0	10	7	12	9	7	7	4	0	1	4	0	19	0	0
March	9.1	SW.	25	NE.	0	2	5	1	5	0	8	4	6	0	10	13	8	9	8	2	2	1	0	0	0	19	8	0
April	9.8	W.	34	S.	2	2	4	2	2	7	6	2	5	0	12	7	11	9	8	3	1	0	0	0	0	5	3	0
May	7.8	SW.	22	N.	0	6	1	6	1	0	9	4	4	0	13	10	8	8	4	0	0	1	0	0	1	0	4	0
June	7.4	SW.	29	W.	0	1	2	5	1	2	8	3	8	0	2	12	16	14	12	0	0	0	2	0	0	0	7	0
July	8.1	SW.	35	SE.	1	4	1	8	0	1	11	3	3	2	13	10	8	8	6	0	0	0	0	0	13	0	7	1
August	6.5	SW.	28	W.	0	2	4	7	0	1	12	2	3	0	16	11	4	9	7	0	0	0	0	0	12	0	11	0
September	6.4	SW.	35	NW.	1	3	0	2	1	1	13	5	3	2	18	5	7	9	8	0	0	0	2	0	2	0	4	0
October	6.9	S.	32	SW.	0	2	5	1	2	4	6	5	5	1	14	7	10	9	9	0	0	0	1	0	0	0	6	0
November	8.7	SW.	30	S.	0	0	2	1	2	1	12	3	9	0	11	5	14	11	8	3	1	0	0	0	0	8	1	0
December	7.5	SW.	31	SW.	0	1	1	5	6	4	12	4	3	1	13	6	12	7	6	4	2	0	1	4	0	22	0	0
Year	7.9	SW.	35	NW.	4	26	28	41	16	23	121	42	63	6	147	100	119	107	85	23	13	2	8	17	28	93	46	1

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

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
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.646	30.147	28.660	29.4	35.4	32.5	40.1	24.9	32.5	60	6	20	22	21	68	56	62	0.118	0.126	0.119	2.65	1.02	6.9	4.7	4.9	6.3
February	29.699	30.290	28.950	28.4	34.0	34.6	39.9	25.1	32.5	59	11	21	21	23	74	59	62	.120	.121	.131	3.46	1.25	6.9	6.0	7.7	6.7
March	29.537	30.100	28.810	34.1	40.3	40.9	46.9	31.5	39.2	75	20	26	24	28	70	52	62	.143	.138	.171	3.56	1.31	5.9	6.2	4.9	6.0
April	29.568	30.060	28.880	43.1	52.0	50.8	57.3	38.8	48.0	80	28	32	32	33	65	49	55	.192	.184	.201	6.22	2.99	6.6	5.8	4.7	6.1
May	29.538	30.097	29.180	55.9	65.5	63.9	70.9	50.9	60.9	89	41	44	42	45	66	45	54	.306	.295	.323	2.22	1.30	5.1	6.1	6.9	6.7
June	29.504	29.807	29.210	63.6	70.7	68.8	75.1	59.3	67.2	86	51	57	55	58	80	61	70	.477	.455	.499	8.16	2.75	6.7	7.1	7.9	7.2
July	29.586	29.880	29.350	71.3	80.2	77.0	84.8	66.0	75.4	94	56	64	64	64	78	58	67	.600	.596	.617	5.20	1.74	4.3	4.9	5.0	4.6
August	29.639	29.900	29.330	70.2	78.8	76.2	83.4	66.5	75.0	93	58	66	65	66	85	64	72	.637	.627	.653	3.64	1.10	6.9	6.6	6.9	6.9
September	29.664	30.020	29.320	57.6	66.0	63.9	70.0	54.8	62.4	86	40	52	51	55	82	61	72	.405	.400	.451	2.86	1.02	6.6	6.8	5.0	6.3
October	29.759	30.126	29.340	50.9	61.4	58.4	65.5	48.2	56.8	85	29	44	45	48	79	56	68	.315	.329	.358	.80	.38	4.1	5.2	3.7	5.2
November	29.661	30.091	29.100	42.4	49.6	47.8	53.5	39.3	46.4	76	23	34	36	35	73	60	61	.212	.226	.218	2.25	.88	8.1	7.0	4.2	7.0
December	29.752	30.100	28.900	32.8	39.4	38.0	43.9	30.2	37.0	58	16	24	25	26	70	56	61	.136	.142	.148	.62	.56	6.1	5.0	4.0	5.4
Year	29.629	30.290	28.660	48.3	56.1	54.4	60.9	44.6	52.8	94	6	40	40	42	74	56	64	.305	.303	.324	41.64	2.99	6.2	6.0	5.4	6.2

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	29.805	30.430	28.630			31.9	38.1	24.3	31.2	56	6			19			57			0.117	2.29	1.03			3.9	4.4
February	29.876	30.550	29.110			31.4	37.1	21.2	29.2	55	0			20			62			.123	4.04	1.11			4.4	4.7
March	29.704	30.310	29.030			36.8	43.4	28.5	36.0	68	15			24			58			.135	3.11	1.21			3.5	4.7
April	29.776	30.320	29.150			46.9	54.9	36.4	45.6	77	26			32			58			.195	4.71	1.69			4.2	5.0
May	29.745	30.230	29.360			58.5	66.5	48.4	57.4	79	39			45			64			.316	1.97	.74			5.1	5.1
June	29.735	29.990	29.390			65.7	73.4	57.0	65.2	85	50			56			72			.457	4.41	.79			5.5	5.7
July	29.793	30.100	29.540			74.0	82.8	65.3	74.0	95	54			64			73			.614	4.88	2.87			5.0	4.6
August	29.869	30.150	29.430			72.6	81.9	65.4	73.6	96	54			66			80			.640	4.08	.88			5.3	5.5
September	29.889	30.190	29.530			61.2	68.8	52.2	60.5	84	39			52			72			.411	4.20	1.65			5.4	5.5
October	29.939	30.370	29.410			55.4	65.2	45.4	55.3	88	27			43			64			.312	1.09	.34			2.9	3.1
November	29.811	30.280	29.320			44.1	50.7	36.4	43.6	72	19			32			63			.194	1.88	.78			4.3	5.6
December	29.927	30.320	29.010			37.4	43.8	29.2	36.5	57	13			25			60			.142	.92	.34			4.3	4.4
Year	29.822	30.550	28.630			51.3	58.9	42.5	50.7	96	0			40			65			.305	37.58	2.87			4.5	4.9

HATTERAS, N. C.

[ϕ=35° 15′ N.; λ=75° 40′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	30.114	30.580	29.490	43.1	49.6	46.2	53.0	39.0	46.0	68	20	36	38	38	75	66	73	0.231	0.258	0.258	0.80	0.57	4.9	4.2	3.8	4.8
February	30.115	30.540	29.390	46.8	52.4	49.0	55.0	42.4	48.6	67	27	40	43	44	77	71	82	.263	.292	.298	6.66	2.03	5.5	4.9	5.1	5.3
March	29.951	30.450	29.340	52.2	56.0	53.1	60.4	46.4	53.4	72	36	44	47	45	76	74	75	.316	.348	.319	2.26	.78	4.5	5.1	3.5	4.5
April	29.999	30.468	29.350	60.3	63.4	59.2	66.8	53.7	60.2	76	41	51	52	53	72	68	81	.390	.404	.421	9.25	4.49	4.3	5.0	4.2	4.3
May	29.906	30.450	29.580	66.3	69.4	64.3	71.3	59.5	65.4	82	49	59	60	59	78	74	82	.508	.536	.507	2.34	.73	5.1	5.8	4.7	5.0
June	29.939	30.130	29.730	77.1	80.1	74.3	81.6	70.5	76.0	89	60	69	70	69	77	73	84	.722	.755	.716	1.46	.81	5.2	5.0	5.2	4.6
July	30.009	30.240	29.820	79.3	82.9	77.1	84.3	72.8	78.6	88	67	72	73	72	80	73	83	.796	.820	.777	2.17	1.15	5.1	4.4	5.0	4.0
August	30.038	30.240	29.690	80.8	84.8	78.2	85.9	73.5	79.7	92	66	73	74	73	76	70	84	.806	.835	.805	1.13	.45	5.0	3.9	4.0	4.3
September	29.996	30.230	29.410	74.3	77.3	73.2	79.4	68.4	73.9	86	50	68	68	67	81	75	82	.703	.714	.689	17.55	9.32	5.9	5.4	4.9	5.2
October	30.135	30.437	29.670	67.1	72.2	66.7	73.2	62.1	67.6	83	50	60	62	60	78	70	79	.532	.568	.534	1.31	.76	4.6	4.1	2.8	4.1
November	30.096	30.546	29.630	54.1	61.0	56.2	62.5	49.7	56.1	78	30	48	52	49	80	72	78	.361	.413	.376	4.79	3.54	5.0	4.9	4.0	4.6
December	30.094	30.437	29.630	48.2	52.9	47.8	54.9	43.5	49.2	71	32	44	46	44	86	79	83	.300	.328	.300	10.09	1.85	6.6	5.5	5.0	5.9
Year	30.033	30.580	29.340	62.5	66.8	62.1	69.0	56.8	62.9	92	20	55	57	56	78	72	81	.494	.523	.500	59.81	9.32	5.1	4.8	4.4	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	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	27.431	27.960	26.890	18.3	25.9	23.9	29.7	11.9	20.8	50	−28	13	18	18	81	73	76	0.094	0.111	0.109	0.14	0.07	5.6	6.1	5.5	6.0
February	27.469	27.800	27.070	21.8	32.9	30.9	37.1	17.2	27.2	57	−11	17	28	21	81	62	66	.099	.121	.118	.23	.23	4.4	4.1	4.1	4.7
March	27.287	27.740	26.730	27.6	43.1	42.5	48.0	24.3	36.2	75	7	22	26	26	78	53	55	.117	.142	.143	.34	.19	6.6	5.9	5.7	6.2
April	27.251	27.920	26.850	31.5	48.1	48.7	52.9	29.1	41.0	84	9	26	27	27	78	48	45	.137	.148	.140	.64	.18	6.2	6.6	6.5	6.4
May	27.343	27.687	26.850	47.9	70.6	71.2	75.7	45.4	60.6	96	33	36	36	35	64	31	29	.217	.218	.215	.45	.34	3.6	4.2	4.5	4.5
June	27.224	27.560	26.880	50.7	65.2	65.8	69.5	48.0	58.8	84	34	45	45	44	82	51	49	.304	.304	.294	4.33	1.42	6.1	6.9	6.6	6.7
July	27.344	27.504	27.114	58.7	76.8	79.9	82.5	56.5	69.5	95	48	54	56	53	86	50	41	.424	.447	.407	1.44	.37	3.7	3.8	4.9	4.2
August	27.364	27.638	27.060	51.9	71.2	74.3	77.0	50.1	63.6	98	36	46	46	45	83	46	41	.322	.320	.301	1.88	.52	4.1	4.5	4.3	4.5
September	27.390	27.730	26.840	42.6	65.1	65.5	70.3	40.9	55.8	88	18	36	38	38	78	39	39	.217	.239	.237	.42	.24	3.7	3.5	4.1	4.1
October	27.395	27.874	26.940	34.4	50.5	47.9	56.0	30.2	43.1	81	14	28	30	30	77	48	51	.153	.168	.168	.16	.12	6.3	6.2	5.7	6.2
November	27.407	27.970	26.820	23.6	42.4	37.9	48.1	19.1	33.6	68	4	18	23	22	79	46	53	.100	.124	.117	.02	.02	3.4	4.6	3.8	4.3
December	27.377	27.870	26.815	20.5	28.0	26.5	35.0	12.8	23.9	52	−31	15	18	18	80	67	72	.094	.100	.106	.85	.41	5.0	6.6	5.1	5.9
Year	27.357	27.970	26.730	35.8	51.6	51.2	56.9	32.1	44.5	98	−31	30	33	31	79	51	51	.190	.204	.197	10.89	1.42	4.9	5.2	5.1	5.3

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

HARRISBURG, PA.

[H_b=374 ft.; h_t=94 ft.; h_r=42 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: Thunderstorms	Aurora
	Miles		*Mi.*																									
January	7.4	W.	32	SW.	0	2	3	4	9	1	10	18	15	0	5	13	13	9	6	7	2	0	2	2	10	0	21	0	0
February	6.9	W.	27	W.	0	2	11	2	7	1	10	11	14	0	5	10	14	13	11	12	4	0	2	6	0	0	23	1	0
March	7.6	NW.	26	S.	0	2	7	7	4	4	6	13	18	1	6	11	14	9	7	11	5	0	2	0	0	0	20	2	0
April	8.3	W.	34	SW.	2	2	9	3	9	5	6	20	6	0	7	10	13	10	9	3	2	0	0	0	0	0	2	1	0
May	5.6	NW.	33	SW.	1	8	7	8	4	9	5	8	13	0	6	8	17	10	7	0	0	0	1	0	0	0	0	7	0
June	5.6	S.	26	W.	0	1	7	5	14	9	8	15	11	0	4	9	17	16	14	0	0	0	0	0	0	0	0	7	0
July	4.5	W.	34	NW.	1	4	0	5	4	11	15	16	7	0	15	8	8	13	11	6	0	2	0	0	5	0	9	0	0
August	4.5	SW.	18	N.	0	10	7	4	8	7	7	8	10	1	4	9	18	15	9	0	0	0	1	0	5	0	8	0	0
September	5.0	NW.	19	NE.	0	7	5	4	6	7	10	11	9	1	7	12	11	11	11	0	0	0	1	0	0	0	0	3	0
October	5.2	S.	23	SW.	0	2	3	8	12	9	7	15	6	0	10	11	10	5	5	1	0	0	3	0	0	0	2	1	0
November	6.0	W.	40	SW.	1	1	2	7	5	3	17	13	12	0	4	10	16	7	5	7	2	0	1	0	0	0	2	0	0
December	5.3	W.	26	SW.	0	5	6	7	5	5	13	9	12	0	11	10	10	3	2	1	0	0	0	2	0	0	20	0	0
Year	6.0	W.	40	SW.	5	46	67	64	87	71	114	147	133	3	84	121	161	121	97	42	15	2	13	18	10	90	39	0

HARTFORD, CONN.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	------	*SW.	----	-------	----	1	1	1	0	5	13	0	10	0	13	12	6	10	7	10	4	0	0	12	0	22	0	0
February	------	SW.	----	-------	----	3	1	0	0	6	10	1	8	0	13	7	9	9	9	11	4	0	2	9	0	23	0	0
March	------	NW.	----	-------	----	5	2	1	0	6	6	3	8	0	14	7	10	10	9	14	4	0	0	2	0	22	0	0
April	------	S.	----	-------	----	4	3	1	0	10	2	4	6	0	11	9	10	13	11	4	0	0	0	0	0	11	0	0
May	------	S.	----	-------	----	5	1	2	1	10	6	0	6	0	14	6	11	10	8	0	0	1	0	0	0	0	3	0
June	------	S.	----	-------	----	2	3	3	1	11	5	0	5	0	11	7	12	14	13	0	0	0	0	0	0	0	3	0
July	------	SW.	----	-------	----	2	3	1	0	8	13	1	3	0	14	6	11	12	9	0	0	0	0	0	3	0	8	2
August	------	SW.	----	-------	----	1	4	2	1	8	8	3	4	0	10	10	11	14	11	0	0	0	0	0	7	0	7	0
September	------	NE.	----	-------	----	3	7	1	0	4	6	3	6	0	9	10	11	14	7	0	0	0	1	0	0	0	1	0
October	------	S.	----	-------	----	4	0	1	0	10	8	3	5	0	19	6	6	7	5	1	0	0	2	0	0	4	1	0
November	------	SW.	----	-------	----	5	3	0	0	5	8	3	6	0	9	10	11	8	8	7	2	0	3	1	0	11	0	0
December	------	SW.	----	-------	----	6	4	0	1	1	11	3	5	0	16	5	10	8	7	2	1	0	0	2	0	19	0	0
Year	------	SW.	----	-------	----	41	32	13	4	84	96	24	72	0	153	95	118	129	104	49	15	1	8	26	10	112	23	2

HATTERAS, N. C.

[H_b=11 ft.; h_t=5 ft.; h_r=4 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	Thunderstorms	Aurora
January	12.9	W.	46	SW.	5	11	4	1	0	4	11	20	11	0	14	7	10	7	3	1	0	0	1	2	0	11	0	0
February	13.4	NE.	48	W.	6	7	15	0	4	3	15	8	6	0	11	8	10	14	10	0	0	0	0	0	0	3	0	0
March	13.9	NE.	37	NW.	4	7	17	0	0	8	13	10	7	0	14	10	7	11	9	0	0	0	1	0	0	0	4	0
April	14.9	SW.	38	S.	7	4	11	5	2	6	22	6	4	0	14	8	8	10	7	0	0	0	0	0	0	0	4	0
May	12.3	SW.	38	NE.	3	8	11	6	2	6	20	5	4	0	11	11	9	14	7	0	0	1	0	0	0	0	8	0
June	12.6	SW.	40	NW.	1	3	6	3	1	7	32	5	3	0	12	12	6	5	5	0	0	0	0	0	0	0	4	0
July	9.9	SW.	30	SW.	0	1	8	2	3	10	32	1	5	0	12	11	8	10	10	0	0	0	0	0	0	0	6	1
August	8.5	SW.	38	SW.	1	2	9	7	5	8	25	5	1	0	17	6	8	7	5	0	0	0	0	0	1	0	4	0
September	10.6	NE.	40	SW.	2	7	19	4	6	8	11	2	3	0	11	10	9	16	15	0	0	0	0	0	0	0	11	0
October	10.9	NE.	34	N.	1	13	26	2	1	7	6	4	3	0	16	11	4	6	6	0	0	0	0	0	0	0	2	0
November	13.7	NW.	60	N.	5	11	10	0	0	2	14	9	14	0	12	12	6	11	7	0	0	0	0	0	0	1	0	0
December	14.1	N.	42	N.	5	24	16	1	1	1	5	4	10	0	11	6	14	18	14	0	0	0	0	0	0	0	2	0
Year	12.3	SW.	60	N.	40	98	152	31	25	70	206	79	71	0	155	112	99	129	98	1	0	1	2	2	1	15	45	1

HAVRE, MONT.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	8.0	SW.	31	SW.	0	2	3	11	0	1	22	11	12	0	11	5	15	5	2	10	5	0	0	16	0	26	0	0
February	7.9	SW.	32	W.	0	3	3	6	1	0	20	14	10	1	10	13	6	1	1	10	1	0	0	8	0	28	0	0
March	7.4	E.	36	SW.	1	6	5	17	1	1	15	5	11	1	7	10	14	6	3	9	5	0	0	5	0	27	0	0
April	7.5	SW.	31	SW.	0	6	8	14	3	0	15	7	7	0	5	14	11	10	7	12	8	0	0	2	0	22	0	0
May	6.1	SW.	28	SW.	0	5	4	12	3	5	12	13	8	0	10	17	4	5	3	0	0	1	1	0	5	0	4	1
June	6.2	SW.	33	SW.	1	4	4	14	0	6	15	10	7	0	4	13	13	13	12	0	0	1	0	0	0	0	7	0
July	5.3	E.	28	NW.	0	4	6	17	3	4	11	8	9	0	12	14	5	9	7	0	0	1	0	0	7	0	9	1
August	4.6	SW.	19	W.	0	5	5	15	1	4	12	12	7	1	15	7	9	9	9	0	0	0	0	0	5	0	4	1
September	5.4	SW.	30	W.	0	3	11	13	5	0	13	9	6	0	17	6	7	3	3	0	0	1	1	0	0	5	1	0
October	6.1	SW.	33	SW.	1	3	7	11	0	5	16	10	10	0	6	12	13	4	2	4	2	0	1	1	0	16	0	1
November	5.3	SW.	28	SW.	0	2	5	13	2	0	17	15	6	0	14	8	8	1	0	3	1	0	0	1	0	26	0	0
December	7.4	SW.	28	SW.	0	5	4	5	1	1	30	9	7	0	4	18	9	7	4	9	7	0	1	12	0	29	0	0
Year	6.4	SW.	36	SW.	3	48	65	148	20	27	198	123	100	3	115	137	114	73	53	57	29	4	4	45	17	179	25	4

*By eye observations at this station.

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

HELENA, MONT.

[ϕ=46° 34′ N.; λ=42° 04′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	25.897	26.230	25.240	21.8	26.2	25.5	31.5	16.5	24.0	55	−20	16	19	19	78	75	76	0.098	0.112	0.107	1.41	0.76	7.6	7.0	7.0	7.5
February	25.920	26.170	25.490	18.3	26.6	27.6	32.2	14.4	23.3	45	−14	14	17	17	83	64	62	.084	.093	.093	.14	.10	4.6	4.8	5.3	5.2
March	25.732	26.100	25.220	30.4	41.7	43.6	47.3	27.9	37.6	73	4	22	24	21	71	49	43	.120	.129	.114	.52	.39	5.6	6.2	6.5	6.1
April	25.692	26.250	25.280	33.5	46.4	47.8	52.1	31.1	41.6	77	11	26	29	26	72	52	44	.140	.170	.153	.55	.39	6.4	7.8	7.7	7.5
May	25.822	26.067	25.430	47.0	66.1	67.9	71.5	44.6	58.0	86	32	36	37	35	66	37	33	.216	.227	.213	.24	.12	4.5	5.8	5.8	5.5
June	25.717	25.939	25.480	49.1	62.1	61.8	66.4	46.4	56.4	80	39	39	40	39	70	47	47	.245	.257	.244	2.98	1.00	6.5	7.0	6.9	6.9
July ‖	25.829	26.080	25.590	56.2	73.9	75.8	79.9	54.2	67.0	95	47	48	51	50	75	48	44	.339	.381	.369	1.65	.63	4.3	5.2	5.3	5.1
August	25.838	26.080	25.570	51.9	69.5	72.6	76.3	49.9	63.1	98	43	44	52	45	76	57	43	.287	.390	.300	1.99	.70	4.0	4.5	4.4	4.1
September	25.851	26.130	25.470	45.2	63.4	64.8	69.1	43.2	56.2	84	35	36	41	41	70	46	44	.215	.271	.265	.05	.02	4.1	4.1	4.0	4.4
October	25.837	26.140	25.422	38.8	49.0	48.0	54.2	34.7	44.4	78	19	30	32	31	71	55	55	.166	.187	.177	.26	.08	5.5	7.5	6.1	6.9
November	25.864	26.260	25.270	31.3	41.4	38.5	45.2	27.5	36.4	60	13	22	26	25	68	55	58	.116	.137	.133	.02	.02	4.4	6.4	5.5	6.1
December	25.848	26.240	25.320	20.4	26.0	25.9	32.7	14.7	23.7	51	−10	15	18	19	79	72	73	.089	.101	.102	.94	.31	4.6	6.8	5.6	6.6
Year	25.821	26.260	25.220	37.0	49.4	50.0	54.9	33.8	44.3	98	−20	29	32	31	73	55	52	.176	.205	.189	10.75	1.00	5.2	6.1	5.8	6.0

HONOLULU, HAWAII

[ϕ=21° 19′ N.; λ=157° 52′ W.]

Month	Monthly mean	Maximum	Minimum	8 a. m.	Noon, local time	8 p. m.	Maximum	Minimum	Monthly	Maximum	Minimum	8 a. m.	Noon, local time	8 p. m.	8 a. m.	Noon, local time	8 p. m.	8 a. m.	Noon, local time	8 p. m.	Total	Maximum in 24 hours	8 a. m.	Noon, local time	8 p. m.	Daylight
January	* 30.048	30.170	29.850	† 71.3	74.6	† 71.5	76.2	67.5	71.8	80	64	† 60	61	† 61	† 68	62	† 70	† 0.523	0.532	† 0.541	1.97	0.76	† 4.9	5.8	† 5.5	5.3
February	30.033	30.140	29.880	70.1	74.3	70.4	76.2	65.4	70.8	79	61	60	60	61	70	61	71	.517	.516	.529	.61	.34	2.7	4.4	3.0	4.1
March	29.999	30.170	29.800	72.4	76.4	72.7	78.4	67.8	73.1	81	60	63	62	63	72	62	72	.570	.563	.577	1.02	.27	4.6	5.1	5.6	5.2
April	29.998	30.090	29.880	74.8	77.2	73.5	78.9	69.6	74.2	80	67	64	65	65	70	66	74	.602	.611	.612	3.40	1.88	5.2	5.4	6.3	6.1
May	30.019	30.110	29.890	75.4	77.6	74.3	79.5	70.5	75.0	82	68	64	64	63	67	64	69	.587	.596	.583	.63	.39	4.6	6.0	5.6	5.1
June	29.972	30.050	29.830	76.4	79.3	75.6	81.0	72.0	76.5	84	68	64	64	64	66	60	68	.599	.595	.601	.29	.16	4.7	4.6	4.9	4.9
July	29.992	30.100	29.840	77.1	79.7	76.4	81.5	73.5	77.5	84	71	66	65	66	68	62	70	.631	.620	.634	1.41	.47	4.5	4.5	5.0	4.4
August	29.998	30.090	29.880	77.6	81.0	77.1	82.8	73.6	78.2	85	71	67	66	67	70	61	70	.651	.641	.653	.75	.22	4.4	4.6	4.9	4.6
September	29.972	30.053	29.850	77.5	80.4	76.8	82.5	73.3	77.9	84	70	66	66	66	68	61	70	.635	.631	.644	.51	.13	4.1	4.5	4.0	4.3
October	29.962	30.060	29.830	76.9	79.9	76.4	81.6	73.1	77.4	84	71	66	66	66	70	62	70	.641	.629	.637	.21	.13	5.1	5.9	5.7	5.6
November	30.010	30.190	29.850	74.1	76.9	74.1	79.0	70.1	74.6	83	66	65	65	66	75	68	75	.629	.628	.629	2.37	.67	6.0	6.2	5.6	6.3
December	30.039	30.210	29.880	72.6	75.5	72.7	77.3	69.3	73.3	82	67	62	61	62	70	62	69	.557	.547	.553	2.17	.58	3.7	4.2	3.6	4.3
Year	30.004	30.210	29.800	74.7	77.7	74.3	79.6	70.5	75.0	85	60	64	64	64	70	63	71	.595	.592	.599	15.34	1.88	4.6	5.1	5.0	5.0

HOUGHTON, MICH.

[ϕ=47° 07′ N.; λ=88° 34′ 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	29.165	29.890	28.390	16.6	19.3	----	23.0	11.8	17.4	41	−4	14	16	----	88	85	----	0.092	0.096	----	3.00	0.77	8.2	8.7	----	8.5
February	29.284	29.840	28.670	9.7	17.3	----	23.5	4.7	14.1	38	−20	6	12	----	86	79	----	.063	.077	----	.96	.31	5.9	7.0	----	6.7
March	29.201	29.650	28.638	19.5	26.4	----	32.1	15.9	24.0	64	−8	14	17	----	79	67	----	.091	.098	----	1.49	.49	5.5	5.7	----	5.9
April	29.168	29.680	28.480	30.0	36.7	----	41.5	26.1	33.8	72	12	23	23	----	76	60	----	.126	.125	----	3.88	.88	6.3	6.3	----	6.5
May	29.241	29.740	28.750	47.1	56.4	----	61.2	41.0	51.1	86	31	38	38	----	74	53	----	.238	.233	----	1.72	1.20	5.6	5.4	----	6.4
June	29.101	29.530	28.610	52.4	59.9	----	64.3	46.3	55.3	81	37	45	45	----	78	61	----	.309	.304	----	3.15	.69	6.8	6.6	----	6.8
July	29.222	29.542	28.900	58.1	68.0	----	72.8	55.0	63.9	87	46	55	55	----	82	64	----	.445	.448	----	3.81	1.15	4.9	5.8	----	6.1
August	29.255	29.500	28.890	60.5	69.9	----	73.5	55.1	64.3	89	46	55	55	----	84	62	----	.446	.442	----	2.39	.76	4.7	5.0	----	5.6
September	29.224	29.551	28.728	48.4	56.1	----	59.2	45.2	52.2	79	34	44	45	----	87	68	----	.300	.306	----	4.08	.76	6.4	6.2	----	6.6
October	29.249	29.720	28.670	43.2	48.4	----	51.4	40.2	45.8	72	29	38	38	----	84	71	----	.238	.241	----	3.75	1.39	8.1	8.6	----	8.4
November	29.251	29.750	28.580	32.5	36.4	----	40.3	29.0	34.6	58	17	27	28	----	79	70	----	.149	.152	----	.72	.21	8.4	7.9	----	7.9
December	29.249	29.710	28.790	24.4	27.2	----	31.0	20.3	25.6	45	5	21	22	----	86	80	----	.119	.120	----	1.27	.41	8.6	7.8	----	8.0
Year	29.218	29.890	28.390	36.9	43.6	----	47.8	32.6	40.2	89	−20	32	33	----	82	68	----	.218	.220	----	30.22	1.39	6.6	6.8	----	7.0

HOUSTON, TEX.

[ϕ=29° 47′ N.; λ=95° 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	30.098	30.560	29.730	47.4	57.4	----	61.5	45.1	53.3	78	16	40	39	----	78	55	----	0.298	0.289	----	0.40	0.30	5.7	6.4	----	5.3
February	30.009	30.340	29.600	49.5	56.6	----	62.5	47.3	54.9	77	31	44	44	----	83	66	----	.317	.316	----	3.85	2.13	7.3	6.8	----	6.2
March	29.835	30.230	29.410	58.2	67.7	----	73.1	55.4	64.2	94	38	53	57	----	85	71	----	.435	.498	----	1.35	.37	6.9	5.9	----	5.2
April	29.811	30.190	29.390	57.9	67.6	----	71.4	55.3	63.4	80	38	54	57	----	86	71	----	.438	.494	----	1.54	.84	5.1	5.7	----	4.8
May	29.817	30.110	29.530	68.1	80.4	----	84.3	66.0	75.2	98	54	62	60	----	83	52	----	.582	.527	----	2.14	1.93	4.5	5.0	----	3.5
June	29.730	29.920	29.420	75.1	84.1	----	88.2	72.0	80.1	93	65	72	70	----	91	63	----	.802	.730	----	4.71	1.07	3.9	6.3	----	4.7
July	29.860	30.010	29.750	78.0	88.3	----	92.8	75.8	84.3	98	70	74	70	----	88	56	----	.846	.746	----	3.43	.98	2.3	5.3	----	4.0
August	29.849	29.970	29.680	78.0	88.7	----	92.7	76.2	84.4	98	70	74	70	----	87	55	----	.833	.741	----	2.14	.72	1.7	5.7	----	4.0
September	29.828	30.000	29.670	69.9	79.7	----	83.8	68.9	76.4	94	58	66	66	----	87	65	----	.652	.652	----	6.18	2.86	4.2	5.9	----	5.4
October	29.904	30.130	29.610	67.3	78.7	----	82.5	65.7	74.1	94	49	62	62	----	86	58	----	.603	.577	----	4.02	2.94	2.2	4.6	----	3.5
November	30.028	30.420	29.730	54.9	64.5	----	68.0	52.3	60.2	81	39	51	54	----	86	71	----	.396	.449	----	2.66	1.19	5.6	5.9	----	5.3
December	30.027	30.370	29.660	49.0	57.9	----	62.5	45.4	54.0	80	33	42	45	----	77	65	----	.293	.331	----	4.37	1.99	4.6	5.1	----	5.0
Year	29.900	30.560	29.390	62.8	72.6	----	76.9	60.4	68.7	98	16	58	58	----	85	62	----	.541	.529	----	36.79	4.5	2.94	5.7	----	4.7

* No diurnal correction applied.

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

‖ At Helena, July 16, 8 a. m., thermometers could not be read, nor their readings estimated; July, 8 a. m., data for Helena are for only 30 days, except cloudiness and wind for 31.

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

HELENA, MONT.

[H_b=4,110 ft.; h_t=87 ft.; h_r=80 ft.; h_a=112 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: Thunderstorms	Electricity: Aurora
	Miles		*Mi.*																									
January	6.0	SW.	52	SW.	2	5	2	0	3	4	30	8	10	0	4	6	21	10	5	15	9	0	0	13	0	30	0	2
February	6.4	SW.	28	SW.	0	2	2	0	0	5	22	15	10	2	10	9	10	5	1	13	5	0	0	10	0	28	0	0
March	6.7	SW.	33	SW.	1	0	1	0	0	9	29	13	7	3	8	6	17	7	3	11	5	0	0	1	0	17	0	0
April	7.8	SW.	30	W.	0	5	2	3	0	8	23	13	5	1	3	7	20	8	3	16	7	0	0	0	0	15	1	0
May	7.6	SW.	40	SW.	1	6	5	2	1	8	23	14	2	1	11	11	9	3	2	0	0	0	0	0	0	1	6	4
June	7.9	SW.	33	SW.	1	6	4	1	2	7	26	11	3	0	3	14	13	17	12	0	0	2	0	0	0	0	9	0
July	6.7	SW.	35	SW.	1	7	8	2	1	10	24	6	4	0	8	18	5	9	7	0	0	1	0	0	5	0	16	3
August	6.9	SW.	23	N.	0	2	6	1	1	9	21	17	5	0	15	9	7	7	6	0	0	0	0	0	3	0	5	0
September	7.2	SW.	25	SW.	0	10	2	1	0	9	23	11	4	0	12	14	4	4	0	0	0	0	0	0	0	0	1	0
October	7.2	SW.	29	W.	0	6	1	0	0	8	32	7	8	0	3	12	16	9	3	5	3	0	0	2	0	14	0	1
November	6.7	SW.	30	SW.	0	2	1	0	1	11	30	8	6	1	6	13	11	1	0	7	1	0	0	1	0	22	0	0
December	5.5	SW.	31	SW.	0	4	3	0	0	11	24	16	2	2	4	15	12	9	6	16	9	0	1	18	0	31	0	0
Year	6.9	SW.	52	SW.	6	55	37	10	9	99	307	139	66	10	87	134	145	89	48	83	39	3	1	45	8	158	38	10

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	Thunderstorms	Aurora
January	10.5	E.	31	E.	0	2	13	37	2	0	2	3	3	0	8	14	9	13	10	0	0	0	0	0	0	0	0	0
February	6.6	E.	24	E.	0	4	19	23	1	0	8	2	1	0	14	10	5	5	2	0	0	0	0	0	0	0	1	0
March	7.7	E.	28	SW.	0	4	18	25	0	4	8	0	3	0	10	13	8	9	5	0	0	0	0	0	0	0	0	0
April	7.2	E.	26	E.	0	0	12	39	2	4	3	0	0	0	3	17	10	15	11	0	0	0	0	0	0	0	0	0
May	8.4	E.	27	E.	0	1	22	35	1	0	8	0	0	0	15	6	10	5	3	0	0	0	0	0	0	0	0	0
June	8.3	E.	22	E.	0	0	13	45	1	0	1	0	0	0	7	22	1	9	2	0	0	0	0	0	0	0	0	0
July	10.1	E.	29	NE.	0	0	9	51	1	1	0	0	0	0	13	14	4	10	7	0	0	0	0	0	0	0	0	0
August	8.3	E.	22	NE.	0	0	17	45	0	0	0	0	0	0	9	18	4	15	9	0	0	0	0	0	0	0	0	0
September	9.1	E.	24	E.	0	1	10	48	0	1	0	0	0	0	6	24	0	9	6	0	0	0	0	0	0	0	0	0
October	8.5	E.	24	E.	0	0	7	50	1	1	2	0	1	0	5	20	6	8	1	0	0	0	0	0	0	0	0	0
November	7.8	E.	36	E.	1	6	21	27	2	3	0	0	1	0	9	6	15	17	14	0	0	0	0	0	0	0	0	0
December	10.1	E.	42	NE.	2	4	13	44	0	0	0	1	0	0	12	16	3	15	9	0	0	0	0	0	0	0	0	0
Year	8.6	E.	42	NE.	3	22	174	469	11	14	27	6	9	0	111	180	75	130	79	0	0	0	0	0	0	0	1	0

HOUGHTON, MICH.

[H_b=668 ft.; h_t=64 ft.; h_r=57 ft.; h_a=99 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	10.7	W.	36	NW.	2	0	2	2	3	2	1	13	8	0	2	4	25	19	15	22	17	0	1	21	0	28	0	0
February	9.3	W.	37	W.	1	2	2	9	0	0	2	7	5	2	6	9	14	13	8	14	13	0	1	22	0	29	0	0
March	10.2	W.	37	W.	1	1	1	7	1	1	1	16	3	0	8	12	11	14	11	17	13	0	0	18	0	28	0	0
April	10.0	W.	35	N.	2	5	2	9	2	0	0	9	2	1	6	11	13	13	11	11	10	1	0	5	0	22	2	1
May	8.5	W.	28	N.	0	2	1	9	0	1	2	12	4	0	8	9	14	5	4	0	0	0	2	0	0	1	4	1
June	8.9	E.	40	N.	2	3	1	14	0	1	1	8	2	0	5	10	15	13	10	0	0	0	2	0	0	0	2	0
July	8.3	W.	48	NW.	1	1	1	10	0	1	1	16	1	0	6	15	10	13	12	0	0	0	3	0	0	0	10	1
August	6.8	E.	29	W.	0	1	1	14	2	1	2	6	2	2	9	11	11	10	8	0	0	0	6	0	0	0	7	2
September	9.2	W.	30	E.	0	1	2	13	1	1	1	7	4	0	7	6	17	15	12	4	3	0	5	0	0	0	3	0
October	8.7	W.	31	W.	0	2	1	13	0	0	2	7	5	1	1	7	23	15	12	4	0	0	0	0	0	4	3	1
November	9.5	W.	40	W.	3	4	1	7	2	1	2	7	6	0	2	8	20	12	9	13	7	0	0	3	0	22	0	0
December	7.8	W.	31	W.	0	1	1	9	0	1	5	7	6	1	4	4	23	11	9	16	10	0	0	14	0	26	0	0
Year	9.0	W.	48	NW.	12	23	16	116	11	10	20	115	48	7	64	106	196	153	121	101	73	1	20	83	0	160	31	6

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	Thunderstorms	Aurora
January	11.2	E.	33	NW.	1	4	8	4	5	2	2	2	4	0	9	12	10	5	4	1	0	0	2	1	0	5	0	0
February	11.1	E.	29	NW.	0	9	4	6	2	3	1	0	4	0	7	7	15	9	8	0	0	0	1	0	0	1	3	0
March	11.6	S.	35	N.	1	5	2	5	5	9	1	0	4	0	12	8	11	9	8	0	0	0	2	0	2	0	4	0
April	15.2	SE.	50	NE.	5	5	2	2	12	4	0	1	4	0	14	5	11	7	4	0	0	0	0	0	0	0	1	0
May	11.2	SE.	32	NW.	0	2	0	7	7	4	3	2	5	1	13	17	1	7	5	0	0	0	2	0	4	0	5	0
June	12.1	SE.	35	N.	2	1	1	3	15	9	0	0	1	0	11	13	6	12	8	0	0	0	0	0	10	0	10	0
July	8.6	S.	33	NE.	1	0	0	2	6	15	6	2	0	0	15	14	2	8	8	0	0	0	0	0	26	0	12	0
August	8.1	S.	37	SE.	2	2	2	3	1	12	1	2	5	3	13	16	2	9	7	0	0	0	0	0	25	0	13	0
September	10.0	NE.	37	NE.	1	5	13	5	2	0	1	1	3	0	13	6	11	11	9	0	0	0	2	0	7	0	6	0
October	10.2	E.	28	SE.	0	5	3	8	5	4	1	2	3	0	16	12	3	4	4	0	0	0	0	0	4	0	4	0
November	11.3	E.	37	SE.	1	2	5	9	5	0	0	3	6	0	11	9	10	14	9	0	0	0	1	0	0	0	1	0
December	11.3	NW.	39	NW.	1	7	1	6	1	3	5	1	7	0	11	9	11	11	6	0	0	1	0	0	0	0	2	0
Year	11.0	SE.	50	NE.	15	47	41	60	66	65	21	16	46	4	145	128	93	106	80	1	0	1	10	1	78	6	61	0

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

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

HURON, S. DAK.

[ϕ=44° 21′ N.; λ=98° 14′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	28.701	29.290	28.000	14.7	24.2	21.4	28.7	9.2	19.0	51	−24	11	15	15	85	67	75	0.085	0.098	0.098	0.02	0.02	3.5	5.2	3.7	4.5
February	28.700	29.040	28.294	18.3	28.2	28.5	34.8	15.4	25.1	53	−7	15	16	18	86	60	66	.090	.099	.106	.59	.51	4.6	4.8	5.0	4.7
March	28.591	29.090	27.970	26.3	42.5	42.0	48.2	24.2	36.2	78	10	22	22	23	85	45	48	.124	.121	.127	.28	.23	5.5	6.1	5.7	5.6
April	28.532	29.000	27.890	30.9	47.2	47.8	53.1	27.0	40.0	80	6	25	24	24	80	42	40	.141	.132	.133	1.27	.62	5.4	5.2	4.5	5.1
May	28.585	29.021	28.180	51.2	70.9	70.4	74.9	46.8	60.8	95	34	39	37	37	65	32	35	.252	.232	.238	1.25	.64	5.3	4.8	4.5	4.5
June	28.444	28.710	27.740	55.4	69.7	70.8	74.6	51.5	63.0	87	40	49	47	47	81	49	48	.362	.340	.347	6.50	3.01	4.3	6.1	5.0	5.7
July	28.573	28.840	28.190	65.4	78.8	80.2	83.4	61.5	72.4	91	52	61	61	62	86	55	54	.542	.542	.558	2.28	.64	3.6	4.0	2.8	3.7
August	28.567	28.940	28.230	61.5	78.4	78.3	83.6	58.9	71.2	100	39	57	58	58	85	52	52	.477	.490	.500	2.14	1.00	4.2	3.5	3.4	4.1
September	28.612	28.980	28.200	48.0	67.3	65.1	72.4	45.9	59.2	91	27	41	40	40	77	41	43	.272	.277	.268	1.30	.54	3.4	3.5	3.5	3.6
October	28.645	29.220	28.040	40.4	54.9	52.9	60.7	37.3	49.0	92	23	34	34	34	78	50	54	.199	.200	.200	1.28	.56	5.3	5.9	5.1	5.5
November	28.689	29.310	27.770	28.4	39.4	35.9	43.3	25.6	34.4	61	11	24	27	27	85	62	71	.137	.150	.152	1.07	.47	3.6	5.2	4.9	5.1
December	28.654	29.110	28.190	21.1	32.0	28.9	37.1	15.8	26.4	62	−2	17	21	20	84	65	69	.098	.121	.112	.09	.04	3.8	4.3	3.3	4.8
Year	28.608	29.310	27.740	38.5	52.8	51.8	57.9	34.9	46.4	100	−24	33	34	34	81	52	55	.232	.234	.237	18.07	3.01	4.2	4.9	4.3	4.7

INDIANAPOLIS, IND.

[ϕ=39° 46′ N.; λ=86° 10′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.217	29.680	28.350	24.7	31.5	31.1	36.7	21.1	28.9	65	−8	20	22	23	79	68	71	0.126	0.144	0.146	1.74	0.78	5.0	5.6	5.0	5.7
February	29.198	29.600	28.650	29.3	34.5	33.8	38.9	25.6	32.2	55	9	24	24	26	79	66	71	.138	.139	.146	3.44	1.71	6.8	7.0	6.3	6.8
March	29.088	29.549	28.400	35.1	43.0	41.8	47.6	30.8	39.2	77	16	28	28	28	75	55	57	.169	.167	.160	2.44	1.52	6.1	6.1	5.7	5.6
April	29.060	29.440	28.600	42.6	51.1	51.7	57.0	38.7	47.8	76	24	33	32	32	68	49	49	.195	.191	.192	2.76	1.85	5.9	5.3	6.2	5.5
May	29.092	29.530	28.720	56.3	66.5	66.4	71.2	51.5	61.4	86	37	44	42	43	64	44	46	.301	.284	.297	3.04	1.14	5.2	5.7	4.5	5.2
June	28.983	29.310	28.700	61.6	68.9	67.6	73.3	57.4	65.4	86	49	55	56	57	79	66	71	.445	.466	.474	8.77	1.71	7.6	7.4	7.1	7.1
July	29.128	29.430	28.890	70.9	80.2	78.9	84.8	66.6	75.7	91	55	62	60	63	75	52	60	.573	.541	.589	3.07	2.20	4.5	5.2	4.5	4.9
August	29.150	29.380	28.820	69.0	80.5	77.5	84.3	64.8	74.6	91	55	62	63	63	80	56	63	.577	.580	.585	3.81	1.01	3.4	5.2	4.3	4.3
September	29.186	29.404	28.890	55.3	69.2	66.9	72.9	53.0	63.0	88	36	49	46	48	79	45	52	.367	.343	.367	.92	.71	3.6	3.2	4.0	3.5
October	29.221	29.608	28.916	52.5	63.0	61.0	67.0	49.8	58.4	86	29	47	45	45	81	55	59	.348	.335	.336	2.93	1.47	5.5	4.8	4.4	4.9
November	29.219	29.590	28.800	39.3	45.8	44.2	50.0	36.7	43.4	69	19	34	33	34	82	64	70	.209	.204	.212	3.66	2.01	7.4	7.4	5.9	7.3
December	29.230	29.560	28.570	31.6	38.5	36.8	42.4	28.4	35.4	55	8	26	28	27	80	64	67	.152	.159	.155	2.19	.98	5.9	5.8	6.3	6.1
Year	29.148	29.680	28.350	47.4	56.1	54.8	60.5	43.7	52.1	91	−8	40	40	41	77	57	61	.300	.296	.305	38.77	2.20	5.6	5.7	5.4	5.6

IOLA, KANS.

[ϕ=37° 55′ N.; λ=95° 25′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.104	29.610	28.440	27.0	38.2	36.8	44.4	23.9	34.2	69	−12	23	26	----	83	63	----	0.136	0.151	----	0.20	0.12	4.0	3.7	----	4.0
February	29.061	29.450	28.540	31.4	42.4	40.7	48.0	28.1	38.0	68	10	28	32	----	87	67	----	.169	.202	----	2.22	1.42	4.8	5.9	----	5.4
March	28.926	29.326	28.270	38.5	54.4	52.2	60.9	35.9	48.4	85	18	34	34	----	84	49	----	.206	.210	----	1.78	1.29	5.2	4.0	----	4.6
April	28.856	29.290	28.430	44.2	58.1	55.9	63.6	41.5	52.6	82	25	38	36	----	78	48	----	.240	.236	----	4.24	1.43	5.2	5.0	----	4.9
May	28.911	29.310	28.590	56.7	74.4	72.3	79.8	54.5	67.2	94	42	50	49	----	80	44	----	.379	.366	----	4.34	3.44	3.4	3.9	----	4.1
June	28.781	29.060	28.370	62.6	73.8	72.5	79.0	60.0	69.5	90	50	59	61	----	89	67	----	.515	.554	----	10.58	3.66	6.2	5.8	----	5.8
July	28.938	29.150	28.740	70.8	84.8	82.6	89.0	68.9	79.0	95	60	67	68	----	89	59	----	.670	.700	----	3.31	1.65	4.5	3.9	----	4.2
August	28.950	29.180	28.690	69.3	85.3	81.3	90.5	67.5	79.0	100	56	66	68	----	91	57	----	.655	.689	----	2.52	1.08	4.7	4.2	----	4.3
September	29.006	29.260	28.690	56.0	76.6	71.6	81.7	54.4	68.0	94	41	51	51	----	84	43	----	.397	.412	----	1.06	.73	4.0	3.0	----	3.2
October	28.987	29.420	28.490	52.7	69.6	62.9	73.9	49.7	61.8	90	35	48	50	----	85	52	----	.354	.394	----	4.87	1.51	4.3	3.9	----	4.8
November	29.057	29.610	28.520	39.6	50.1	45.8	54.3	35.0	44.6	72	22	36	38	----	87	65	----	.227	.242	----	9.01	6.27	5.5	5.3	----	5.8
December	29.051	29.426	28.510	32.0	41.0	38.4	46.2	28.3	37.2	64	14	29	30	----	87	66	----	.163	.173	----	2.23	1.05	4.7	5.4	----	5.8
Year	28.969	29.610	28.270	48.4	62.4	59.4	67.6	45.6	56.6	100	−12	44	45	----	85	57	----	.343	.361	----	46.36	6.27	4.7	4.5	----	4.7

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	29.068	29.670	28.100	24.1	29.1	----	35.2	20.4	27.8	55	−2	20	20	----	79	65	----	0.113	0.114	----	0.98	0.23	8.1	7.6	----	7.1
February	29.154	29.790	28.530	22.3	28.4	----	33.7	17.3	25.5	52	−2	17	20	----	79	68	----	.106	.114	----	2.05	.68	7.3	7.1	----	7.3
March	28.995	29.580	28.230	30.2	35.0	----	39.6	23.3	31.4	76	8	22	25	----	77	66	----	.122	.138	----	2.33	1.01	7.8	7.8	----	7.9
April	29.053	29.470	28.510	38.8	47.8	40.8	51.8	32.6	42.2	81	20	30	31	31	71	53	64	.176	.180	.182	3.64	1.17	6.6	6.5	6.1	6.6
May	29.007	29.612	28.670	53.0	62.6	56.0	66.3	42.9	54.6	88	29	42	40	42	67	47	61	.280	.270	.283	2.90	.80	4.8	7.0	5.7	6.1
June	28.977	29.300	28.638	61.3	67.5	62.4	71.8	53.2	62.5	84	41	54	54	55	75	65	78	.433	.434	.439	5.86	.82	6.1	6.8	6.9	6.6
July	29.066	29.362	28.810	69.0	77.2	71.4	80.5	60.2	70.4	92	46	62	62	63	79	61	74	.563	.568	.577	2.84	1.03	6.1	6.4	5.6	5.7
August	29.136	29.421	28.830	67.9	77.6	70.3	80.7	60.5	70.6	90	46	63	64	64	84	64	80	.582	.607	.603	3.04	1.08	5.7	6.6	4.5	5.9
September	29.141	29.500	28.780	55.1	64.4	57.2	68.1	47.8	58.0	86	34	49	49	50	81	59	78	.368	.370	.378	1.22	.84	6.1	6.2	4.4	6.1
October	29.188	29.630	28.800	48.2	57.2	51.4	61.4	42.2	51.8	86	15	43	43	43	83	62	75	.303	.314	.305	2.59	1.45	6.5	6.1	3.5	6.1
November	29.082	29.500	28.470	37.8	43.7	40.2	47.0	34.2	40.6	69	19	32	34	33	80	69	76	.190	.201	.197	3.19	.93	8.5	7.0	6.7	7.6
December	29.176	29.500	28.270	31.1	36.0	32.2	39.3	27.1	33.2	54	9	24	26	25	76	66	74	.135	.143	.140	.13	.05	7.8	6.8	5.9	7.0
Year	29.002	29.790	28.100	44.9	52.2	----	56.3	38.5	47.4	92	−2	38	39	----	78	62	----	.281	.288	----	30.77	1.45	6.8	6.8	----	6.7

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

HURON, S. DAK.

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

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 35 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more, melted	Hail	Dense fog	Maximum temp. 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorms	Aurora
	Miles		*Mi.*																									
January	7.4	NW.	33	NW.	1	5	4	2	2	13	6	9	21	0	13	10	8	1	0	10	1	0	0	17	0	29	0	0
February	9.0	NW.	27	NW.	0	9	3	2	7	5	1	9	22	0	12	9	8	4	1	9	2	0	0	10	0	29	0	0
March	7.8	NW.	27	N.	0	8	6	5	5	10	3	4	21	0	7	15	9	4	1	10	4	0	0	2	0	26	0	0
April	10.4	NW.	36	W.	2	5	8	4	12	9	1	1	20	0	6	18	6	7	4	7	3	0	0	1	0	18	1	0
May	8.6	S.	33	S.	1	7	14	4	8	8	7	3	10	1	16	9	6	7	5	6	0	0	0	0	1	0	4	1
June	7.8	NW.	32	SE.	0	5	8	3	10	10	4	2	17	1	4	21	5	13	8	0	0	2	1	0	0	0	6	0
July	7.1	S.	45	W.	1	6	9	5	10	17	0	2	12	1	16	14	1	10	7	0	0	1	0	0	1	0	10	1
August	8.3	S.	30	NE.	0	7	7	5	12	20	2	0	9	0	13	13	5	11	10	0	0	1	0	0	10	0	11	2
September	7.8	NW.	28	N.	0	4	7	2	7	11	4	2	23	0	15	10	5	5	3	0	0	0	1	0	1	3	4	0
October	8.3	NW.	28	S.	0	4	8	4	6	14	2	0	22	2	13	7	11	8	8	1	1	0	1	0	1	8	3	0
November	8.3	NW.	42	NW.	1	7	5	3	3	17	1	4	20	0	10	11	9	4	3	3	1	0	1	2	0	23	0	0
December	7.5	NW.	25	NW.	0	5	1	1	6	17	5	5	20	2	13	10	8	4	1	12	4	0	3	10	0	30	0	0
Year	8.2	NW.	45	W.	6	72	80	40	88	151	36	41	217	7	138	147	81	78	51	52	16	4	7	42	14	166	39	4

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 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	Thunderstorms	Aurora
January	11.9	SW.	42	W.	3	4	2	2	3	6	23	13	9	0	10	6	15	9	5	6	2	0	2	12	0	23	1	0
February	11.7	W.	34	NW.	1	2	1	4	4	10	14	10	13	0	6	8	15	12	11	11	5	0	0	6	0	21	0	0
March	12.0	NW.	47	W.	2	6	7	6	3	9	10	8	13	0	9	11	11	9	8	7	1	1	0	2	0	22	4	0
April	13.2	W.	38	W.	3	7	9	5	5	8	11	10	5	0	10	10	10	14	7	4	0	0	0	0	0	9	3	0
May	9.7	NE.	29	N.	0	9	12	8	3	10	12	1	7	0	10	13	8	13	10	0	0	0	0	0	0	0	8	0
June	9.6	S.	44	W.	1	1	4	6	7	11	16	8	6	1	4	11	15	18	16	0	0	0	0	0	0	0	9	0
July	7.1	S.	37	W.	1	12	4	5	0	16	9	11	5	0	7	21	3	10	7	0	0	0	0	0	8	0	9	1
August	7.9	S.	42	S.	3	10	13	6	3	14	10	1	5	0	13	15	3	10	7	0	0	0	0	0	3	0	11	0
September	8.9	S.	29	W.	0	4	11	2	2	12	11	10	8	0	15	13	2	7	4	0	0	0	0	0	0	0	2	0
October	9.7	S.	26	W.	0	5	4	1	12	17	9	4	10	0	11	11	9	12	10	0	0	0	0	0	0	0	2	1
November	11.5	S.	34	NW.	1	4	1	3	2	15	13	13	9	0	7	5	18	17	9	10	3	0	0	1	0	9	0	0
December	9.2	S.	34	W.	1	3	1	3	7	18	12	9	9	0	9	8	14	10	7	8	2	0	1	6	0	22	0	0
Year	10.2	S.	47	W.	16	67	69	51	51	146	150	98	99	1	111	132	123	141	101	46	13	1	3	27	11	108	49	2

IOLA, KANS.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	6.0	S.	22	NE.	0	5	4	1	0	6	7	1	6	1	19	5	7	4	1	2	2	0	0	4	0	23	0	0
February	6.4	S.	23	N.	0	4	3	2	1	6	5	3	4	1	9	10	10	8	6	3	1	0	1	3	0	22	1	0
March	6.6	S.	26	N.	0	5	2	2	5	6	2	2	7	0	12	13	6	5	4	3	2	0	0	0	0	11	0	0
April	8.0	S.	25	NW.	0	3	6	3	2	8	2	1	5	0	15	6	9	9	8	1	0	0	0	0	0	5	4	0
May	5.5	N.	19	S.	0	7	3	5	4	5	1	0	6	0	16	8	7	10	8	0	0	1	0	0	1	0	7	0
June	5.3	SE.	26	NW.	0	6	2	5	7	3	4	0	3	0	8	11	11	16	14	0	0	0	0	0	1	0	13	0
July	4.4	S.	19	NE.	0	4	1	5	1	14	1	0	3	2	16	9	6	7	4	0	0	0	0	0	16	0	3	0
August	4.1	S.	22	N.	0	5	5	2	6	7	1	0	0	5	15	13	3	8	7	0	0	0	0	0	19	0	10	0
September	4.4	S.	15	N.	0	4	4	2	4	7	0	0	2	7	19	10	1	4	3	0	0	0	0	0	6	0	3	0
October	5.1	S.	22	N.	0	4	5	3	2	9	2	1	1	4	14	7	10	13	8	0	0	0	0	0	0	0	5	0
November	6.0	S.	20	SW.	0	6	2	0	4	8	2	3	5	0	11	5	14	11	7	2	2	0	1	0	0	13	3	0
December	5.2	S.	24	NW.	0	7	1	0	5	7	5	3	1	2	11	6	14	9	5	3	3	0	0	1	0	23	0	0
Year	5.6	S.	26	NW.	0	60	38	30	41	86	32	14	43	22	165	103	98	104	75	14	10	1	2	8	43	97	49	0

ITHACA, N. Y.

[H_b=836 ft.; h_t=5 ft.; h_r=4 ft.; h_a=100 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	Thunderstorms	Aurora
January	11.1	SW.	44	SE.	1	*0	*0	*1	*5	*5	*6	*6	*8	*0	2	12	17	14	7	16	6	0	1	11	0	23	0	0
February	10.4	NW.	27	SE.	0	2	1	1	3	6	4	3	9	0	4	6	19	14	10	19	8	0	0	13	0	26	0	0
March	10.8	NW.	32	NW.	0	5	1	0	4	5	3	4	9	0	2	8	21	14	8	20	9	0	0	9	0	24	2	0
April	11.1	NW.	46	SE.	5	2	3	3	7	14	7	5	19	0	6	9	15	15	8	11	7	0	0	0	0	16	1	0
May	6.0	NW.	23	NW.	0	15	1	5	7	11	2	4	17	0	6	14	11	8	6	0	0	1	0	0	0	3	6	0
June	7.7	SE.	25	S.	0	3	1	7	15	13	7	3	11	0	4	11	15	19	19	0	0	0	2	0	0	0	8	0
July	6.4	NW.	22	NW.	0	7	2	2	8	18	5	3	17	0	9	11	11	11	10	0	0	0	0	0	1	0	8	1
August	6.3	NW.	29	NW.	0	10	5	4	13	9	7	1	13	0	5	15	11	12	8	0	0	0	1	0	3	0	8	0
September	7.2	NW.	29	SE.	0	9	3	9	7	12	9	4	7	0	6	14	10	8	5	0	0	0	0	0	0	0	2	1
October	8.5	S.	36	S.	1	4	0	9	10	17	7	4	11	0	9	8	14	12	10	3	2	0	0	0	0	7	1	0
November	8.2	NW.	33	NW.	1	3	4	7	10	11	9	4	12	0	3	7	20	17	11	11	8	0	1	1	0	18	0	0
December	8.2	NW.	34	SE.	2	7	1	4	10	13	8	8	11	0	5	9	17	5	1	9	2	0	1	7	0	25	0	0
Year	8.6	NW.	46	SE.	10	67	22	52	99	134	74	49	144	0	61	124	181	149	103	89	42	1	6	41	4	142	36	2

* One observation per day at Ithaca before April.

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

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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	30.182	30.590	29.780	45.2	57.0	54.2	61.6	43.4	52.5	78	19	37	40	39	74	54	58	0.255	0.288	0.281	0.68	0.28	3.8	5.0	3.6	4.8
February	30.100	30.450	29.690	52.2	61.5	57.2	65.3	48.8	57.0	80	25	46	46	47	79	61	72	.336	.348	.348	3.54	1.70	6.4	6.9	5.1	6.4
March	29.977	30.300	29.450	58.1	67.8	64.4	73.2	54.4	63.8	87	42	51	50	50	78	56	62	.402	.399	.387	4.38	2.06	5.5	5.4	3.6	4.9
April	29.982	30.350	29.540	63.1	71.0	67.0	74.6	58.0	66.6	85	47	54	51	54	73	52	64	.439	.398	.433	8.19	2.41	4.4	5.1	3.4	4.5
May	29.912	30.250	29.530	68.3	76.4	71.7	79.4	63.9	71.6	89	48	61	56	60	78	52	68	.546	.465	.524	2.33	1.04	4.5	5.3	4.5	5.2
June	29.959	30.080	29.830	76.2	84.5	77.0	87.5	70.4	79.0	95	64	69	67	68	79	57	75	.710	.672	.689	4.10	1.01	4.7	5.9	5.9	5.7
July	30.004	30.110	29.870	78.7	86.9	79.3	89.5	73.5	81.5	94	69	73	70	72	82	59	79	.802	.747	.778	8.96	2.88	5.0	6.0	6.9	6.2
August	29.987	30.150	29.660	79.0	84.8	79.3	87.5	74.4	81.0	94	70	74	71	73	84	65	81	.831	.770	.805	5.85	1.53	4.7	7.7	7.3	6.5
September	29.921	30.090	28.850	74.5	81.0	76.3	83.8	71.2	77.5	92	63	70	70	70	87	70	81	.742	.739	.735	9.25	4.57	5.8	6.4	5.3	6.2
October	30.050	30.320	29.780	68.1	76.7	72.2	79.2	66.2	72.7	87	50	64	63	65	86	64	79	.618	.597	.641	2.33	1.15	3.3	5.9	2.3	4.6
November	30.116	30.420	29.790	55.3	66.0	61.6	68.9	53.2	61.0	80	34	48	49	50	76	56	68	.373	.383	.402	.67	.27	5.2	5.3	3.6	5.1
December	30.097	30.310	29.820	49.8	60.1	55.9	63.1	48.2	55.6	75	32	44	46	46	82	62	72	.311	.336	.331	1.34	.91	5.4	5.2	4.3	5.4
Year	30.024	30.590	28.850	64.0	72.8	68.0	76.1	60.5	68.3	95	19	58	57	58	80	59	72	.530	.512	.530	51.62	4.57	4.9	5.8	4.6	5.5

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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
	*																									
January	29.753	30.370	28.690	33.2	34.9	33.7	36.8	29.1	33.0	46	19	28	28	29	84	80	84	0.161	0.166	0.167	13.46	3.35	6.8	8.3	8.0	8.0
February	29.972	30.550	29.160	33.6	37.4	37.4	39.2	30.9	35.0	50	20	30	31	30	87	78	78	.169	.173	.172	5.32	1.08	7.3	7.3	7.4	7.4
March	29.614	30.330	28.820	30.5	34.6	35.0	37.1	27.3	32.2	47	11	26	25	24	82	68	68	.147	.141	.143	6.74	1.50	7.4	8.3	7.9	7.8
April	29.748	30.480	29.250	36.2	41.8	42.6	44.3	33.7	39.0	54	24	27	26	28	73	58	53	.159	.155	.158	4.66	2.21	7.7	7.7	7.6	7.4
May	29.854	30.350	29.340	41.6	49.2	50.0	51.7	39.6	45.6	65	32	39	38	39	90	68	69	.239	.232	.244	8.25	2.02	9.1	8.7	8.5	8.3
June	29.936	30.180	29.638	48.0	61.8	64.3	65.2	46.2	55.7	78	40	43	44	44	84	54	51	.281	.285	.292	.93	.47	6.2	6.5	5.1	5.4
July	29.936	30.240	29.520	51.4	60.3	61.5	63.0	49.6	56.3	85	44	48	49	49	88	70	68	.333	.350	.350	4.61	2.01	7.1	7.3	7.4	7.1
August	29.965	30.330	29.340	49.9	55.5	56.6	58.3	48.0	53.2	70	43	48	49	50	93	80	80	.333	.346	.354	6.10	1.06	8.0	8.5	8.0	7.7
September	29.846	30.230	29.030	47.6	51.2	51.8	53.7	45.1	49.4	66	41	45	47	47	92	86	86	.304	.321	.329	8.44	1.05	8.7	9.1	8.7	8.8
October	29.728	30.440	28.920	42.9	46.4	45.7	48.2	39.0	43.6	54	30	36	38	38	80	74	76	.217	.230	.231	11.43	2.32	8.0	7.8	8.2	8.1
November	29.650	30.270	28.770	38.3	40.3	39.4	42.8	34.7	38.8	58	22	33	34	34	82	77	82	.195	.199	.202	9.02	1.29	7.3	8.3	8.4	8.2
December	29.680	30.550	28.750	34.8	35.0	34.7	37.6	31.2	34.4	45	20	30	30	30	84	83	82	.174	.172	.171	10.47	1.58	8.5	8.5	9.2	8.7
Year	29.807	30.550	28.690	40.7	45.7	46.1	46.5	37.9	43.0	55	11	36	37	37	85	73	74	.226	.231	.234	89.37	3.35	7.7	8.0	7.9	7.7

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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	27.087	27.490	26.340	20.5	25.3	26.4	28.7	17.9	23.3	49	−9	19	20	22	92	80	83	0.107	0.114	0.123	1.15	0.57	8.7	9.0	9.0	8.5
February	27.095	27.370	26.590	18.8	28.7	29.9	33.5	15.8	24.6	45	−9	16	21	22	90	70	71	.096	.114	.121	.14	.10	4.9	5.7	5.3	5.4
March	26.871	27.290	26.370	29.9	41.1	42.9	45.6	28.0	36.8	66	5	26	27	27	85	58	55	.143	.149	.149	.74	.47	5.6	6.0	6.5	5.9
April	26.838	27.470	26.450	34.0	43.9	46.3	48.9	32.1	40.5	68	20	28	28	28	80	56	50	.156	.157	.153	1.80	.40	6.2	7.6	6.5	6.4
May	26.939	27.190	26.690	44.6	54.3	57.6	59.7	43.4	56.6	84	30	38	36	35	78	37	31	.235	.219	.208	.61	.18	2.6	3.8	3.3	3.6
June	26.830	27.120	26.571	48.2	61.7	62.7	66.0	47.1	56.6	82	38	42	43	43	81	53	52	.279	.284	.286	2.51	.64	6.1	6.2	6.4	5.9
July	26.923	27.120	26.680	54.3	72.9	75.6	77.9	53.3	65.6	92	45	49	51	50	84	48	44	.352	.376	.367	1.49	.65	3.9	3.5	4.3	3.8
August	26.946	27.170	26.723	48.1	69.3	72.2	74.8	46.7	60.8	94	36	41	42	41	78	42	36	.260	.275	.260	1.14	.73	3.3	3.7	3.8	3.7
September	26.945	27.240	26.571	43.0	64.9	66.2	69.0	41.3	55.2	83	32	34	37	36	72	37	34	.201	.224	.218	.04	.03	1.7	3.2	2.8	2.7
October	26.967	27.210	26.548	37.4	48.9	48.3	52.8	33.6	43.2	68	21	30	33	33	74	56	56	.168	.193	.195	.82	.27	5.1	5.4	5.0	5.4
November	27.023	27.400	26.470	28.8	37.9	37.2	41.5	27.2	34.4	58	15	26	28	29	87	68	73	.138	.155	.162	.50	.19	5.8	7.2	6.3	6.8
December	27.039	27.520	26.460	19.6	25.1	25.0	28.3	15.7	22.0	46	−3	17	20	21	90	80	84	.095	.107	.111	1.00	.40	8.5	8.8	7.7	8.4
Year	26.959	27.520	26.340	35.6	48.7	50.0	53.1	33.5	43.3	94	−9	30	32	32	83	57	56	.186	.197	.196	11.94	.73	5.2	5.8	5.6	5.5

KANSAS CITY, MO.

[ϕ=39° 05′ N.; λ=94° 37′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.106	29.630	28.483	28.5	35.1	37.9	41.4	25.9	33.6	64	−8	23	24	25	78	63	60	0.134	0.139	0.147	0.21	0.11	4.1	3.8	2.7	4.0
February	29.063	29.470	28.606	32.3	40.5	40.5	45.5	28.8	37.2	66	8	26	28	28	76	61	62	.153	.167	.170	2.77	2.04	5.4	5.3	4.6	5.3
March	28.939	29.360	28.320	39.3	52.7	52.5	58.4	36.5	47.4	84	17	31	30	32	72	44	48	.184	.182	.191	.36	.21	4.6	4.7	4.6	4.7
April	28.883	29.310	28.456	44.8	55.9	56.6	60.8	41.9	51.4	84	25	34	34	36	67	47	49	.208	.212	.222	2.32	1.20	4.9	4.5	4.3	4.8
May	28.922	29.325	28.580	59.5	73.1	73.4	78.3	57.3	67.8	91	49	46	47	48	63	43	44	.330	.344	.353	2.34	.78	3.8	4.0	4.2	3.8
June	28.802	29.080	28.480	62.8	72.8	72.1	76.8	59.8	68.3	88	50	56	57	58	79	59	64	.458	.476	.503	5.43	1.10	6.9	6.1	5.1	6.1
July	28.951	29.230	28.750	72.6	83.7	83.8	86.7	70.1	78.4	95	61	66	65	66	78	55	56	.633	.633	.648	2.64	1.34	4.3	4.5	3.7	4.1
August	28.967	29.240	28.680	70.4	82.8	81.5	86.4	68.1	77.2	94	54	65	60	66	82	57	61	.616	.645	.649	8.79	3.87	4.1	4.1	3.3	3.9
September	29.012	29.310	28.710	58.6	72.7	71.5	76.6	56.8	66.7	92	43	50	49	51	73	44	49	.377	.374	.397	3.12	1.91	3.9	3.3	2.4	3.4
October	29.011	29.500	28.500	53.8	66.9	63.9	70.3	51.4	60.8	91	36	46	47	47	74	51	58	.327	.351	.352	2.64	.84	4.9	4.6	3.9	4.6
November	29.069	29.680	28.570	40.1	49.1	47.9	53.1	37.2	45.2	74	21	34	35	35	79	61	63	.206	.218	.216	8.55	5.79	5.1	4.8	4.7	5.2
December	29.066	29.470	28.530	32.6	39.5	38.5	43.6	29.6	36.6	57	15	27	28	28	78	65	66	.152	.160	.156	1.83	.66	4.0	5.7	4.1	5.4
Year	28.983	29.680	28.320	49.6	60.4	60.0	64.8	47.0	55.9	95	−8	42	42	43	75	54	57	.315	.325	.334	41.00	5.79	4.7	4.6	4.0	4.6

* No diurnal correction applied.

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

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	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Number of 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	SW.	32	SW.	0	13	9	0	5	3	10	12	10	0	13	7	11	5	4	0	0	0	6	0	0	6	0	0
February	10.3	NE.	49	SW.	2	11	17	4	4	2	8	5	7	0	6	8	15	10	8	0	0	0	3	0	0	1	2	0
March	11.0	SW.	40	W.	3	7	6	4	4	8	15	12	6	0	10	14	7	11	9	0	0	0	2	0	0	0	8	0
April	11.4	S.	35	NW.	3	5	2	8	15	10	5	7	8	0	12	11	7	9	7	0	0	0	0	0	0	0	6	0
May	10.8	SW.	29	E.	0	5	6	14	3	4	17	6	7	0	10	11	10	6	5	0	0	0	0	0	0	0	7	0
June	9.0	SW.	38	SW.	1	4	1	5	14	11	18	5	2	0	7	13	10	12	11	0	0	0	0	0	9	0	18	0
July	7.9	SW.	40	S.	3	2	2	5	10	9	21	11	2	0	4	16	11	13	13	0	0	0	0	0	14	0	19	0
August	9.7	E.	38	SW.	3	2	9	17	12	8	5	7	1	1	5	14	12	16	12	0	0	0	0	0	8	0	14	0
September	9.9	NE.	48	E.	4	10	14	12	5	6	6	4	3	0	5	14	11	13	12	0	0	0	0	0	2	0	8	0
October	9.1	NE.	25	NE.	0	17	19	10	7	0	5	1	3	0	12	11	8	9	7	0	0	0	2	0	0	0	9	0
November	9.9	N.	27	SW.	0	19	10	8	5	3	1	6	8	0	9	13	8	4	4	0	0	0	4	0	0	0	0	0
December	9.4	N.	32	W.	0	22	16	5	2	2	5	6	4	0	12	7	12	7	5	0	0	0	7	0	0	1	0	0
Year	9.9	SW.	49	SW.	19	117	111	92	86	66	116	82	61	1	105	139	122	115	97	0	0	0	24	0	33	8	89	0

JUNEAU, ALASKA

[H_b=80 ft.; h_t=11 ft.; h_r=4 ft.; h_a=50 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Number of 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	SE.	32	SE.	0	3	0	8	30	6	0	8	6	1	5	3	23	21	20	13	7	0	0	6	0	19	0	1
February	5.2	SE.	26	E.	0	4	0	8	20	10	2	4	8	2	6	3	20	18	15	14	8	0	1	1	0	16	0	3
March	7.8	SE.	25	S.	0	4	0	12	27	7	0	2	8	2	5	4	22	18	15	17	10	0	0	7	0	20	0	2
April	7.2	SE.	32	SE.	0	2	1	19	27	11	0	0	0	0	5	4	21	16	13	9	6	0	0	0	0	8	0	1
May	6.4	SE.	21	SE.	0	3	2	16	27	15	0	2	3	0	3	5	23	25	23	1	0	0	1	0	0	0	0	1
June	6.0	NW.	23	NW.	0	11	2	12	3	3	0	1	25	1	11	10	9	9	5	0	0	0	0	0	0	0	0	0
July	6.0	SE.	24	NW.	0	4	0	4	16	15	0	12	11	0	9	0	22	13	12	0	0	0	0	0	0	0	0	1
August	5.9	SE.	28	SE.	0	2	1	2	21	10	4	11	9	2	6	3	22	18	17	0	0	0	0	0	0	0	0	5
September	5.6	SE.	25	E.	0	1	1	7	26	10	5	8	2	0	2	3	25	24	22	0	0	0	1	0	0	0	0	1
October	8.6	E.	36	E.	1	1	1	19	27	3	3	6	2	0	3	6	22	22	19	0	0	0	1	0	0	2	0	1
November	9.3	E.	40	SE.	1	1	1	19	25	2	1	5	6	0	5	0	25	23	23	8	8	0	0	0	0	11	0	5
December	8.7	SE.	35	E.	2	3	3	23	24	4	1	4	0	0	3	2	26	22	21	12	10	0	0	7	0	12	0	0
Year	7.0	SE.	40	SE.	4	39	12	143	273	98	16	63	80	8	63	43	260	229	205	74	49	0	4	21	0	88	0	21

KALISPELL, MONT.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Number of 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.	25	W.	0	9	5	0	1	7	4	5	28	3	1	5	25	11	5	17	10	0	0	19	0	30	0	0
February	3.8	NW.	24	SW.	0	2	2	0	5	4	3	13	29	0	10	9	10	4	1	6	4	0	0	11	0	29	0	0
March	4.8	NW.	27	SW.	0	4	4	6	14	6	4	8	16	0	9	10	12	10	3	9	5	0	0	1	0	19	0	0
April	5.8	NW.	29	W.	0	1	4	3	11	8	9	12	12	0	4	17	9	13	9	14	9	0	1	0	0	16	0	0
May	5.9	NW.	21	W.	0	3	4	2	11	3	6	11	22	0	18	10	3	6	4	1	0	0	0	0	0	1	3	0
June	5.2	NW.	38	SW.	1	3	6	1	14	3	6	8	19	0	6	16	8	15	14	0	0	0	1	0	0	0	7	0
July	4.7	NW.	16	W.	0	2	4	2	12	6	3	7	24	2	16	13	2	11	7	0	0	0	0	0	3	0	9	2
August	5.3	NW.	34	SW.	1	2	4	2	11	3	1	8	31	0	15	11	5	7	5	0	0	0	0	0	2	0	4	0
September	5.2	NW.	23	NE.	0	2	3	1	12	2	4	6	30	0	20	7	3	2	0	0	0	0	0	0	0	2	1	0
October	4.7	NW.	17	NW.	0	6	4	1	3	5	13	10	20	0	12	9	10	9	6	0	0	0	0	0	0	14	1	1
November	3.5	NW.	20	SW.	0	3	3	0	8	2	4	9	31	0	7	5	18	5	4	6	2	0	0	4	0	25	0	0
December	3.6	NW.	23	SW.	0	7	2	1	3	2	7	8	32	0	2	7	22	11	9	14	11	0	0	21	0	31	0	0
Year	4.6	NW.	38	SW.	2	44	45	19	105	51	64	105	294	5	120	119	127	104	67	67	41	0	2	56	5	167	25	3

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	Number of 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.	36	W.	3	7	3	4	4	9	17	5	13	0	16	8	7	3	3	3	2	1	1	6	0	18	1	0
February	10.4	NW.	34	NW.	2	9	2	3	3	12	8	10	9	0	10	9	10	8	7	6	4	0	2	3	0	20	1	0
March	10.4	S.	37	NW.	2	13	5	7	2	13	7	10	5	0	12	13	6	2	2	3	1	0	0	0	0	14	0	0
April	11.6	S.	42	NW.	3	10	5	8	4	16	3	1	13	0	13	9	8	6	5	2	1	1	1	0	0	5	4	0
May	9.0	S.	51	N.	1	14	4	8	8	14	5	2	7	0	14	12	5	9	8	0	0	1	0	0	1	0	8	0
June	8.2	SE.	38	SW.	3	12	3	12	12	8	2	6	5	0	5	14	11	17	14	0	0	3	0	0	0	0	14	0
July	7.3	S.	32	NE.	0	9	5	7	6	18	10	4	3	0	15	11	5	11	6	0	0	1	0	0	12	0	11	0
August	7.3	S.	40	N.	2	9	4	10	10	21	1	5	2	0	16	11	4	9	9	0	0	0	0	0	10	0	10	0
September	7.9	S.	25	N.	0	10	3	8	12	12	8	3	4	0	18	8	4	8	6	0	0	0	0	0	1	0	4	0
October	8.4	S.	27	W.	0	10	6	8	8	15	4	4	7	0	10	12	9	10	9	0	0	0	1	0	1	0	6	1
November	10.1	S.	30	SW.	0	14	2	4	4	17	6	6	7	0	14	4	12	10	8	5	2	1	1	0	0	7	3	0
December	9.4	S.	32	W.	0	12	3	2	5	17	7	11	5	0	11	8	12	8	5	5	5	0	0	1	0	19	0	0
Year	9.2	S.	51	N.	16	129	45	83	78	172	78	67	80	0	154	119	93	101	82	24	15	8	6	10	25	83	6	1

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

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
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.451	29.980	28.750	24.4	31.0	31.6	37.3	21.7	29.5	64	−10	18	19	21	75	59	63	0.117	0.120	0.129	0.41	0.33	5.0	5.4	3.3	4.9
February	29.417	29.830	28.910	29.2	35.7	35.3	42.0	26.3	34.2	59	6	22	23	25	74	59	65	.129	.135	.147	1.75	.73	6.2	5.6	4.1	5.6
March	29.315	29.780	28.660	35.5	45.8	45.6	51.9	33.2	42.6	81	15	29	27	28	76	49	51	.169	.164	.165	1.39	.52	5.7	5.8	4.0	5.4
April	29.258	29.670	28.720	42.4	52.5	52.7	58.5	38.9	48.7	82	23	33	32	34	71	50	52	.202	.199	.208	2.79	1.12	6.1	5.9	5.0	5.8
May	29.296	29.800	28.961	58.6	70.8	70.0	76.0	53.6	64.8	88	40	46	44	45	63	41	43	.328	.312	.315	2.55	1.30	4.9	5.7	4.9	5.4
June	29.171	29.530	28.850	62.4	70.9	71.0	75.8	57.7	66.8	85	50	56	53	55	79	56	60	.455	.423	.455	5.15	1.56	7.9	7.4	6.5	7.4
July	29.321	29.620	29.133	72.3	82.7	81.6	87.2	67.7	77.4	96	56	65	63	65	79	52	58	.631	.585	.627	2.93	1.44	4.5	5.1	4.8	4.9
August	29.345	29.670	29.010	69.4	81.1	79.7	85.3	66.5	75.9	94	56	63	63	65	81	56	62	.596	.600	.628	2.67	1.23	4.9	4.6	3.7	4.4
September	29.384	29.680	29.070	56.3	69.6	66.5	73.5	52.7	63.1	93	35	50	47	50	79	48	57	.380	.362	.383	4.18	2.69	3.9	4.0	2.3	3.5
October	29.395	29.890	28.950	51.6	63.5	60.4	67.5	49.5	58.5	86	31	45	46	48	79	55	64	.326	.342	.359	5.91	1.65	4.3	6.1	4.2	5.6
November	29.422	29.990	28.890	39.0	46.1	43.8	49.5	36.3	42.9	69	20	33	33	35	80	63	72	.197	.205	.214	5.18	3.18	6.1	7.0	4.8	6.3
December	29.437	29.840	28.902	29.3	36.1	34.3	40.5	25.5	33.0	52	5	25	25	28	82	64	75	.139	.146	.159	1.85	.83	4.9	5.3	5.7	5.5
Year	29.351	29.990	28.660	47.5	57.2	56.0	62.1	44.1	53.1	96	−10	40	40	42	76	54	60	.306	.299	.316	36.76	3.18	5.4	5.7	4.4	5.4

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	30.143	30.430	29.940	63.3	69.2	65.5	72.2	60.9	66.6	81	48	58	59	59	84	71	80	0.508	0.528	0.520	0.20	0.16	3.4	3.7	3.9	4.2
February	30.071	30.340	29.880	68.7	74.3	70.1	77.0	66.1	71.6	84	51	64	63	64	85	68	81	.611	.597	.610	.07	.04	3.5	3.2	2.4	3.1
March	30.013	30.250	29.670	72.3	77.4	71.9	79.7	68.6	74.2	85	55	65	65	64	79	66	76	.637	.639	.610	.34	.18	2.7	2.5	2.3	2.4
April	29.981	30.240	29.750	74.5	78.8	74.4	81.2	70.9	76.0	87	62	66	66	66	75	66	75	.650	.659	.644	1.74	1.19	3.5	3.1	2.7	3.0
May	29.930	30.080	29.710	76.9	81.0	76.6	83.1	72.7	77.9	88	68	67	67	67	72	63	72	.671	.679	.667	1.50	1.11	3.4	3.1	3.9	3.1
June	29.965	30.040	29.850	81.8	85.0	81.7	87.8	77.3	82.6	90	70	73	74	73	76	70	76	.821	.837	.815	2.61	.87	4.5	4.2	3.5	4.0
July	30.013	30.150	29.940	83.4	86.2	82.5	88.9	78.5	83.7	92	73	74	75	74	73	69	75	.831	.855	.834	1.73	.93	4.7	4.5	4.3	4.5
August	29.969	30.080	29.705	82.7	85.6	82.5	88.4	78.0	83.2	91	74	74	75	74	77	71	76	.854	.868	.844	5.25	1.64	4.6	5.3	4.9	5.3
September	29.898	30.080	29.460	81.7	85.5	81.8	87.7	76.9	82.3	90	73	76	76	75	82	73	80	.894	.887	.875	8.13	3.68	6.9	6.3	5.0	6.4
October	29.969	30.160	29.830	79.0	82.5	78.5	84.5	74.8	79.6	87	70	72	71	70	78	69	77	.776	.770	.749	4.55	1.86	2.8	4.0	3.0	3.9
November	30.054	30.300	29.800	71.6	76.3	72.2	77.8	69.0	73.4	86	58	65	66	65	80	71	79	.636	.659	.632	2.34	1.60	3.9	3.8	3.4	4.3
December	30.077	30.240	29.900	66.7	72.7	67.7	74.7	64.1	69.4	83	53	62	64	62	86	73	83	.579	.605	.576	2.26	2.26	3.7	1.6	1.4	2.5
Year	30.007	30.430	29.460	75.2	79.5	75.4	81.9	71.5	76.7	92	48	68	68	68	79	69	78	.705	.715	.698	30.72	3.68	4.0	3.8	3.4	3.9

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
January	29.115	29.570	28.320	31.8	41.5	41.8	47.2	29.5	38.4	70	0	26	28	28	78	59	58	0.233	0.185	0.185	2.27	0.64	5.1	5.5	4.3	5.1
February	29.074	29.420	28.600	34.8	45.4	44.9	50.8	33.1	42.0	67	17	30	29	31	80	54	59	.172	.171	.183	2.40	1.32	5.9	5.4	4.6	5.6
March	28.935	29.290	28.411	41.7	53.1	52.2	58.6	38.9	48.8	83	28	35	36	36	77	56	57	.213	.232	.233	4.79	1.84	5.9	6.3	4.7	5.7
April	28.929	29.310	28.560	49.7	60.1	58.6	65.6	45.6	55.6	79	32	41	40	39	73	50	51	.269	.262	.252	5.54	1.10	6.6	7.3	6.7	6.6
May	28.915	29.290	28.600	58.0	70.1	64.7	75.8	54.5	65.2	89	44	50	49	49	77	52	56	.379	.373	.362	6.17	2.15	4.8	5.2	5.8	5.5
June	28.890	29.068	28.700	66.8	75.7	72.9	81.0	62.8	71.9	93	51	62	62	62	84	64	71	.554	.563	.568	11.83	3.19	8.2	8.1	7.7	7.9
July	28.990	29.170	28.830	71.6	83.2	78.5	87.8	68.1	78.0	94	62	67	66	67	86	57	70	.667	.645	.668	2.56	1.41	5.2	6.3	6.4	6.0
August	29.008	29.187	28.710	71.4	81.8	77.7	86.6	68.1	77.4	93	63	68	68	69	89	65	76	.687	.694	.711	4.58	1.23	4.4	6.3	6.2	5.8
September	29.009	29.230	28.770	60.0	72.7	69.5	76.6	57.5	67.0	90	42	56	56	58	88	59	69	.472	.479	.508	3.02	.97	5.0	5.3	4.1	5.2
October	29.096	29.350	28.820	54.5	68.2	64.5	71.7	52.3	62.0	85	38	51	53	53	89	60	68	.397	.427	.436	3.81	1.58	4.8	4.6	3.1	5.0
November	29.112	29.430	28.613	43.5	53.2	50.9	57.6	39.6	48.6	75	22	38	39	39	80	60	65	.244	.261	.259	3.43	2.31	5.7	5.9	4.5	5.8
December	29.101	29.370	28.570	35.3	46.1	44.2	50.9	32.1	41.5	65	23	30	33	34	83	60	67	.176	.194	.209	1.15	.65	4.6	5.4	2.7	5.5
Year	29.014	29.570	28.320	51.6	62.6	60.0	67.5	48.5	58.0	94	0	46	47	47	82	58	64	.372	.374	.380	51.55	3.19	5.5	6.0	5.1	5.8

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	29.260	29.840	28.540	16.6	24.8	23.1	28.8	12.2	20.5	50	−15	13	16	18	86	68	78	0.091	0.112	0.111	0.50	0.26	5.6	5.5	4.2	5.9
February	29.280	29.697	28.860	19.3	28.6	26.7	32.6	15.8	24.2	51	−19	17	19	19	88	65	72	.104	.111	.113	2.18	1.18	4.9	5.5	5.0	5.2
March	29.186	29.630	28.600	27.4	39.4	38.3	44.8	24.1	34.4	78	6	24	25	25	87	56	57	.133	.144	.146	1.09	.44	4.0	4.5	5.0	4.7
April	29.126	29.590	28.530	36.2	47.1	46.4	52.0	32.7	42.4	73	17	31	32	32	81	59	58	.180	.191	.189	2.41	.85	5.5	5.9	5.9	6.0
May	29.184	29.696	28.830	55.4	68.4	67.0	73.3	49.9	61.6	93	38	45	43	44	69	42	46	.308	.289	.306	2.99	1.50	4.1	4.9	4.9	4.9
June	29.046	29.432	28.660	57.8	69.4	68.2	73.4	52.7	63.0	85	39	51	50	51	78	54	58	.379	.379	.394	3.25	.98	6.4	6.6	7.1	7.0
July	29.188	29.457	28.882	66.1	79.4	76.5	82.8	62.6	72.7	92	50	62	63	64	88	58	67	.565	.582	.614	6.14	2.05	5.3	5.4	4.1	4.9
August	29.217	29.550	28.790	63.6	76.6	73.7	80.5	59.9	70.2	95	45	60	62	64	89	63	72	.533	.578	.612	8.69	2.16	4.9	4.5	3.9	4.7
September	29.231	29.550	28.830	51.6	65.7	60.5	68.5	48.5	58.5	82	31	48	50	51	88	58	71	.358	.379	.397	4.73	3.10	4.4	4.6	5.1	5.0
October	29.246	29.800	28.690	40.9	58.4	53.7	61.7	42.4	52.0	86	22	42	43	44	84	60	70	.289	.311	.315	3.06	1.03	6.6	6.0	5.4	6.0
November	29.271	29.830	28.670	34.4	41.3	38.9	44.9	31.6	38.2	61	16	29	30	30	82	64	72	.185	.166	.173	1.64	.66	7.3	6.5	6.8	6.9
December	29.280	29.710	28.770	24.0	29.4	28.0	33.8	20.0	26.9	47	−10	21	22	23	86	71	79	.122	.128	.130	1.10	.56	7.1	6.5	6.6	6.5
Year	29.210	29.840	28.530	41.6	52.4	50.1	56.4	37.7	47.0	95	−19	37	38	39	84	60	67	.269	.281	.292	37.78	3.10	5.5	5.5	5.3	5.6

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

KEOKUK, IOWA

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

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	No. of 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 or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorms	Aurora
	Miles		*Mi.*																									
January	8.0	SW.	36	NW.	1	2	2	4	1	8	20	7	18	0	12	10	9	2	2	5	1	0	3	10	0	20	1	0
February	7.8	NW.	25	SW.	0	0	2	9	4	7	8	14	14	0	11	5	13	8	6	7	2	0	2	5	0	20	0	0
March	7.7	NW.	25	W.	0	14	5	5	3	11	7	5	11	1	11	8	12	7	6	2	2	1	0	0	0	19	3	0
April	8.7	N.	34	W.	1	15	3	6	4	9	5	11	7	0	10	5	15	11	9	2	2	1	0	0	0	6	3	0
May	6.4	N.	24	W.	0	16	2	10	5	10	7	4	7	1	9	9	13	8	6	0	0	0	0	0	0	0	6	0
June	6.2	NW.	26	S.	0	7	1	9	7	9	7	8	12	0	4	7	19	12	9	0	0	0	2	0	0	0	9	0
July	5.1	S.	27	SW.	0	7	2	5	5	20	4	8	11	0	13	7	11	7	6	0	0	2	0	0	10	0	9	1
August	5.5	S.	24	S.	0	13	4	13	3	20	5	1	3	0	15	9	7	7	7	0	0	0	0	0	10	0	7	0
September	5.5	S.	27	NW.	0	3	3	7	6	12	8	6	9	6	18	5	7	9	8	0	0	1	1	0	1	0	5	0
October	6.1	S.	25	SW.	0	7	3	8	9	18	1	10	6	0	10	8	13	9	8	0	0	0	0	0	0	1	4	0
November	7.6	S.	31	S.	0	6	4	4	5	19	2	8	12	0	10	4	16	10	8	3	2	0	1	1	0	9	0	0
December	6.7	S.	34	W.	1	8	3	3	11	15	6	7	6	3	12	5	14	6	6	6	3	1	3	6	0	21	0	0
Year	6.8	S.	36	NW.	3	98	34	83	63	158	80	89	116	11	135	82	149	96	81	25	12	6	12	22	21	96	47	1

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	No. of 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 or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Aurora
January	9.7	NE.	30	NW.	0	19	24	11	5	1	1	0	1	0	15	7	9	4	2	0	0	0	1	0	0	0	0	0
February	9.4	NE.	37	NW.	1	11	14	12	13	4	1	0	2	1	20	5	4	2	1	0	0	0	0	0	0	0	0	0
March	8.9	SE.	34	W.	1	11	7	8	23	6	1	0	6	0	21	9	1	4	2	0	0	0	0	0	0	0	4	0
April	11.5	SE.	33	W.	1	7	6	16	18	8	2	1	2	0	22	3	5	4	4	0	0	0	0	0	0	0	2	0
May	10.1	E.	39	SW.	2	3	6	17	6	6	5	7	12	0	19	8	4	6	3	0	0	0	0	0	0	0	2	0
June	7.4	SE.	21	NE.	0	2	4	12	35	2	1	0	4	0	18	5	7	11	6	0	0	0	0	0	1	0	15	0
July	7.1	SE.	25	SE.	0	3	5	19	31	3	0	0	0	1	13	11	7	6	4	0	0	0	0	0	12	0	13	0
August	8.9	E.	36	SW.	1	4	8	26	11	6	2	3	2	0	8	14	9	16	14	0	0	0	0	0	5	0	13	0
September	10.0	E.	39	W.	3	1	3	28	12	3	7	4	1	1	4	14	12	21	16	0	0	0	0	0	2	0	19	0
October	8.5	E.	24	SE.	0	1	21	31	5	0	0	0	4	0	19	9	3	13	12	0	0	0	0	0	0	0	5	0
November	9.7	NE.	24	NW.	0	10	22	16	6	0	2	0	3	1	14	10	6	7	5	0	0	0	0	0	0	0	2	0
December	8.0	NE.	25	N.	0	19	24	8	7	0	2	0	2	0	24	7	0	2	2	0	0	0	0	0	0	0	1	0
Year	9.1	SE.	39	SW.	9	91	144	204	172	39	24	15	39	4	197	102	67	96	71	0	0	0	1	0	20	0	76	0

KNOXVILLE, TENN.

[H_b=995 ft.; h_t=102 ft.; h_r=96 ft.; h_a=111 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	No. of 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 or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Aurora
January	6.5	SW.	36	SW.	1	5	12	3	1	2	26	11	2	0	10	14	7	8	8	6	0	0	1	6	0	15	0	0
February	6.3	SW.	28	SW.	0	11	10	1	1	2	21	10	2	0	10	7	12	11	7	1	1	0	2	0	0	15	0	0
March	6.6	SW.	36	SW.	1	10	6	4	2	5	19	13	3	0	8	10	13	14	12	4	2	1	0	0	0	8	4	0
April	8.7	SW.	30	SW.	0	8	7	4	2	11	16	6	6	0	2	16	12	15	13	4	3	0	0	0	0	0	7	0
May	5.5	SW.	28	W.	0	10	12	4	3	7	16	7	3	0	11	6	14	11	11	0	0	1	3	0	0	0	7	0
June	6.7	SW.	36	SW.	2	8	7	5	2	5	27	4	2	0	0	10	20	19	17	0	0	2	2	0	2	0	11	0
July	4.2	SW.	31	N.	0	9	12	5	2	9	19	2	4	0	5	19	7	12	10	0	0	0	2	0	9	0	13	0
August	4.4	SW.	25	W.	0	8	12	4	4	6	19	7	2	0	5	20	6	13	11	0	0	0	4	0	4	0	13	0
September	4.3	N.	19	N.	0	17	16	3	3	5	9	3	3	1	12	8	10	7	6	0	0	0	4	0	1	0	2	0
October	4.3	NE.	23	S.	0	7	26	6	4	4	9	5	1	0	12	9	10	10	9	0	0	0	3	0	0	0	2	0
November	5.7	SW.	25	S.	0	9	14	4	1	10	12	4	5	1	10	7	13	7	6	2	0	0	3	0	0	4	1	0
December	4.7	NE.	28	SW.	0	14	15	2	4	6	13	8	0	0	11	7	13	8	7	1	0	0	11	0	0	19	0	0
Year	5.6	SW.	36	SW.	4	116	149	45	29	72	206	80	33	2	96	133	137	135	117	18	6	4	35	6	16	61	60	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	No. of 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 or more melted	Hail	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Aurora
January	4.2	NW.	20	NW.	0	5	0	1	9	13	6	12	14	2	7	12	12	9	2	13	7	0	0	17	0	30	0	0
February	4.3	NW.	21	NW.	0	5	4	2	8	7	6	10	15	1	12	6	11	7	5	8	5	0	0	10	0	27	0	0
March	5.0	NW.	21	NW.	0	10	3	3	3	11	3	7	18	4	15	6	10	6	5	6	3	0	0	2	0	27	0	0
April	6.2	NW.	22	NW.	0	11	3	2	10	7	5	10	12	0	8	10	12	10	7	7	6	0	0	3	0	16	2	0
May	3.8	NW.	18	SW.	0	17	1	4	6	12	6	1	11	4	12	9	10	6	5	0	0	0	0	0	2	0	3	2
June	3.6	NW.	15	NW.	0	13	4	4	6	10	5	5	13	0	5	8	17	8	6	0	0	0	0	0	0	0	5	0
July	2.9	S.	21	NE.	0	7	2	1	13	14	8	6	11	0	14	5	12	11	9	0	0	0	2	0	1	0	10	0
August	2.9	S.	14	SW.	0	10	2	1	14	18	6	5	6	0	14	8	9	11	11	0	0	1	3	0	2	0	12	0
September	3.6	S.	14	SW.	0	0	1	2	11	17	8	10	10	1	13	9	8	8	8	1	0	0	4	0	0	1	7	0
October	4.1	S.	15	NW.	0	5	0	0	7	22	6	9	11	2	12	5	14	10	7	0	0	1	4	0	0	4	3	0
November	5.4	NW.	26	SW.	0	10	3	0	2	16	10	2	17	0	7	6	17	7	5	5	2	0	0	2	0	13	0	0
December	4.7	S.	14	NW.	0	2	1	2	9	22	8	8	10	0	9	6	16	8	5	11	6	0	0	13	0	24	0	0
Year	4.2	NW.	26	SW.	0	95	24	22	98	169	77	85	148	14	128	90	148	101	75	51	29	2	13	47	5	142	42	2

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

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
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	24.694	25.016	24.103	15.6	28.7	27.6	35.3	11.2	23.2	58	−15	9	16	16	72	56	60	0.069	0.090	0.089	0.31	0.15	4.1	4.6	5.1	4.8
February	24.687	24.950	24.200	13.1	27.4	29.1	35.8	8.8	22.3	50	−9	8	17	19	79	65	66	.063	.095	.104	1.49	.52	3.9	4.0	4.0	4.0
March	24.580	24.870	24.060	23.7	40.7	43.4	47.5	21.4	34.4	67	−4	18	25	26	76	54	50	.099	.133	.136	.45	.37	5.1	4.9	4.4	4.6
April	24.529	24.940	24.120	29.8	45.2	47.5	52.2	27.3	39.8	72	9	23	28	32	75	52	56	.129	.154	.178	.89	.72	4.0	5.1	6.3	5.1
May	24.682	24.944	24.420	46.7	63.4	63.6	68.5	42.6	55.6	82	26	39	36	38	75	40	44	.241	.216	.232	2.04	.88	3.9	4.7	6.4	5.2
June	24.554	24.830	24.160	47.6	62.6	64.2	68.4	42.8	55.6	85	36	40	43	44	77	53	49	.256	.296	.295	2.96	.75	3.3	4.2	5.1	4.6
July	24.718	25.000	24.420	55.4	77.2	78.5	84.1	52.0	68.0	93	43	47	51	48	74	42	36	.328	.386	.341	.37	.18	2.3	3.3	4.5	4.3
August	24.714	24.940	24.460	51.9	75.9	76.1	81.7	48.4	65.0	94	39	40	39	38	67	29	29	.247	.242	.237	.24	.11	1.9	2.4	2.7	3.0
September	24.719	25.020	24.350	42.7	67.2	68.8	73.5	40.5	57.0	87	29	32	33	35	68	30	30	.184	.191	.209	.02	.02	2.5	2.7	4.4	3.9
October	24.683	24.900	24.170	34.9	51.4	49.1	56.5	30.5	43.5	79	18	27	29	31	77	48	56	.146	.160	.173	3.62	1.98	3.9	4.8	5.5	5.4
November	24.709	25.050	24.120	21.8	32.6	30.3	37.5	17.2	27.4	63	−7	19	25	25	89	74	84	.103	.134	.138	2.55	1.20	3.2	4.3	5.5	4.9
December	24.683	25.070	24.180	3.7	17.3	14.6	23.6	−1.7	11.0	53	−20	1	10	11	90	72	87	.045	.067	.074	.16	.11	2.9	2.6	2.9	3.4
Year	24.663	25.090	24.000	32.2	49.1	49.4	55.4	28.4	41.9	94	−20	25	29	30	77	51	54	.159	.180	.184	15.10	1.98	3.4	4.0	4.7	4.4

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	29.023	29.570	28.030	21.4	26.5	25.5	30.4	17.8	24.1	51	−5	20	22	23	95	84	89	0.119	0.129	0.132	1.50	0.79	7.3	8.0	6.5	7.4
February	29.073	29.580	28.490	22.3	29.4	26.2	32.8	16.3	24.6	44	−2	21	24	23	93	81	86	.119	.135	.130	1.60	.69	6.4	6.7	4.7	5.8
March	28.972	29.490	28.311	27.6	36.3	31.9	39.4	21.6	30.5	73	9	26	28	27	92	73	82	.148	.165	.156	2.43	1.19	5.6	6.3	5.0	5.5
April	28.957	29.330	28.350	38.1	46.2	43.8	52.0	32.0	42.0	74	20	33	34	34	81	60	69	.199	.206	.209	1.81	.59	4.6	6.2	5.5	5.4
May	29.020	29.535	28.680	52.3	64.3	59.5	67.4	44.8	56.1	87	31	44	44	45	79	51	62	.305	.303	.322	4.47	1.20	4.4	5.1	4.4	4.4
June	28.903	29.340	28.580	58.5	67.2	63.6	69.9	50.7	60.3	81	36	53	54	54	84	67	74	.423	.442	.441	3.12	1.05	5.6	6.1	6.2	6.0
July	29.041	29.390	28.820	66.9	78.6	73.5	81.3	59.7	70.5	91	46	62	62	62	85	57	70	.566	.569	.579	1.89	.71	4.5	4.9	4.3	4.4
August	29.088	29.360	28.750	64.3	77.9	70.7	80.1	58.0	69.0	91	45	62	60	62	90	56	74	.558	.541	.566	2.79	1.14	3.6	4.3	3.0	4.0
September	29.094	29.430	28.720	50.9	65.2	57.5	67.1	46.4	56.8	85	32	49	50	52	93	60	81	.364	.386	.403	2.14	1.16	4.0	5.6	4.5	4.6
October	29.117	29.540	28.734	47.4	59.1	52.3	61.4	42.5	52.0	82	22	45	47	47	92	65	82	.323	.342	.344	3.96	.96	5.0	6.0	5.2	5.6
November	29.067	29.450	28.500	36.5	42.6	39.3	44.5	33.2	38.8	66	19	34	35	35	92	76	86	.206	.306	.213	4.07	1.57	7.6	7.8	6.7	7.6
December	29.121	29.520	28.480	27.4	32.9	30.2	35.0	23.2	29.1	46	2	26	29	28	93	85	91	.147	.164	.159	1.81	.93	7.8	8.0	6.5	7.7
Year	29.040	29.580	28.030	42.8	52.2	47.8	55.1	37.2	46.2	91	−5	40	41	41	89	68	79	.290	.307	.304	31.59	1.57	5.5	6.2	5.2	5.7

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
January	29.450	29.830	28.690	31.2	36.2	----	38.0	29.2	33.6	50	10	26	28	----	82	72	----	0.146	0.157	----	2.46	0.58	8.4	9.1	----	8.9
February	29.449	29.780	28.850	31.0	42.6	----	46.9	28.7	37.8	54	19	27	30	----	83	60	----	.144	.163	----	.18	.04	4.5	4.8	----	5.0
March	29.208	29.610	28.650	40.1	52.8	----	58.0	37.8	47.9	75	24	33	34	----	78	50	----	.196	.204	----	1.47	.50	6.4	7.1	----	6.9
April	29.176	29.790	28.700	42.1	57.0	----	61.3	40.4	50.8	84	28	35	36	----	77	46	----	.208	.214	----	.98	.21	7.1	6.9	----	7.0
May	29.197	29.470	28.810	50.2	74.7	----	81.4	48.2	64.8	101	34	42	45	----	73	35	----	.266	.301	----	.23	.20	3.3	3.0	----	2.9
June	29.071	29.300	28.730	56.2	73.9	----	80.0	53.9	67.0	102	43	46	46	----	71	39	----	.317	.316	----	1.03	.43	5.1	5.5	----	6.0
July	29.104	29.270	28.840	63.7	86.7	----	93.0	62.1	77.6	113	55	51	48	----	65	29	----	.380	.337	----	.88	.49	3.4	3.3	----	3.5
August	29.160	29.410	28.800	57.3	82.5	----	88.8	56.3	72.6	101	46	42	43	----	59	26	----	.277	.284	----	.03	.02	2.5	2.0	----	2.2
September	29.168	29.500	28.790	50.0	73.1	----	81.2	48.0	64.6	100	38	38	39	----	63	31	----	.228	.241	----	.26	.15	3.0	3.2	----	3.5
October	29.240	29.530	28.820	44.0	60.3	----	65.0	41.6	53.3	83	29	38	39	----	81	47	----	.237	.248	----	.94	.30	5.4	4.7	----	5.5
November	29.351	29.770	28.770	36.7	46.0	----	49.8	33.9	41.8	64	24	31	33	----	81	64	----	.178	.192	----	.39	.15	6.2	7.8	----	7.6
December	29.388	29.920	28.770	30.9	38.0	----	41.3	27.5	34.4	57	16	24	26	----	76	62	----	.132	.141	----	.39	.11	7.2	6.9	----	7.3
Year	29.247	29.920	28.650	44.4	60.3	----	65.4	42.3	53.8	113	10	36	37	----	74	47	----	.226	.233	----	9.24	.58	5.2	5.4	----	5.5

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	29.082	29.530	28.200	29.0	35.6	----	40.1	25.1	32.6	67	−4	24	26	----	83	70	----	0.158	0.173	----	2.68	1.37	4.7	4.3	----	5.1
February	29.058	29.430	28.580	32.6	38.3	----	42.8	28.2	35.5	64	11	27	29	----	80	69	----	.160	.167	----	2.30	.70	6.1	5.9	----	5.9
March	28.919	29.370	28.330	37.8	46.4	----	51.5	32.7	42.1	77	18	31	34	----	77	65	----	.188	.213	----	2.67	1.05	6.5	6.8	----	6.2
April	28.919	29.260	28.510	45.9	53.7	52.7	59.6	41.7	50.6	77	28	37	39	----	71	60	----	.232	.260	----	2.79	1.01	6.3	6.8	----	5.8
May	28.928	29.310	28.540	57.5	66.7	65.2	71.5	52.8	62.2	85	38	47	49	----	69	56	----	.337	.372	----	2.12	1.24	4.3	4.4	----	4.0
June	28.854	29.100	28.640	63.6	71.2	69.7	75.0	59.4	67.2	85	50	59	62	----	85	73	----	.513	.560	----	10.62	5.50	8.0	6.8	----	6.8
July	28.979	29.230	28.790	72.2	80.1	77.4	83.9	67.7	75.8	90	58	66	67	----	82	65	----	.651	.666	----	5.16	2.56	3.2	5.1	----	3.4
August	29.000	29.160	28.760	70.6	79.1	75.8	82.8	67.5	75.2	90	60	67	66	----	88	67	----	.656	.650	----	4.30	1.50	4.8	5.1	----	5.2
September	29.020	29.200	28.740	58.3	69.0	66.5	73.5	55.0	64.2	88	36	52	50	----	78	52	----	.402	.391	----	.71	.36	3.6	3.7	----	3.0
October	29.076	29.370	28.780	54.5	66.2	62.2	69.7	52.2	61.0	85	30	38	48	----	79	54	----	.362	.362	----	2.69	1.19	3.8	4.3	----	3.8
November	29.079	29.420	28.650	40.8	47.8	46.5	52.1	37.7	44.9	73	17	36	36	----	84	67	----	.223	.230	----	3.79	1.64	6.1	6.0	----	6.5
December	29.086	29.362	28.400	35.4	41.9	40.3	46.7	32.1	39.4	60	14	29	30	----	76	63	----	.165	.169	----	1.92	.79	5.0	4.2	----	4.5
Year	29.000	29.530	28.200	49.9	58.0	61.8	62.4	46.0	54.2	90	−4	44	45	----	79	63	----	.337	.351	----	41.75	5.50	5.2	5.3	----	5.0

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

LANDER, WYO.

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

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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: Thunderstorms	Aurora
	Miles		*Mi.*																									
January	3.5	SW.	36	W.	1	8	7	9	4	3	15	12	4	0	10	18	3	5	4	5	5	0	0	11	0	30	0	0
February	3.0	SW.	24	N.	0	8	7	3	3	5	17	11	3	1	14	8	7	7	7	7	7	0	0	9	0	29	0	0
March	4.7	SW.	44	SW.	2	3	2	11	3	6	17	12	7	1	13	15	3	3	3	4	3	0	0	1	0	29	0	0
April	7.1	W.	36	SW.	5	7	5	3	2	6	16	14	7	0	7	21	2	5	4	6	5	0	0	2	0	21	0	0
May	5.2	SW.	36	W.	1	2	4	6	5	5	21	9	9	1	11	14	6	10	5	2	1	0	0	0	0	3	6	0
June	4.9	W.	31	SW.	0	9	2	7	4	3	9	17	9	0	10	15	5	13	10	0	0	1	0	0	0	0	7	0
July	4.5	SW.	32	SW.	0	5	1	5	1	9	18	16	6	1	14	15	2	7	2	0	0	0	0	0	7	0	6	1
August	4.9	W.	36	NW.	1	4	2	9	2	4	13	19	8	1	20	10	1	4	3	0	0	0	0	0	6	0	4	0
September	4.4	W.	35	NW.	1	7	5	9	1	4	9	20	5	0	15	11	4	1	0	0	0	0	0	0	0	2	2	0
October	3.8	SW.	35	SW.	2	5	9	0	6	9	13	14	6	0	11	13	7	5	5	6	5	0	0	2	0	19	1	0
November	2.7	N.	28	W.	0	14	4	5	2	5	9	12	7	2	14	6	10	5	5	7	5	0	3	9	0	29	0	0
December	3.1	W.	35	SW.	1	2	2	8	6	8	13	18	4	1	18	11	2	3	1	5	3	0	1	24	0	31	0	0
Year	4.3	SW.	44	SW.	14	74	50	75	39	67	170	174	75	8	157	157	52	68	49	42	34	1	4	58	13	193	26	1

LANSING, MICH.

[H_b=878 ft.; h_t=6 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	Thunderstorms	Aurora
January	7.1	SW.	22	NW.	0	2	2	1	2	6	19	20	8	2	3	11	17	13	7	17	10	0	4	13	0	26	0	0
February	6.4	NW.	22	NW.	0	2	2	2	7	5	13	10	15	2	7	10	12	16	10	20	14	0	3	11	0	28	1	0
March	7.0	NW.	24	NW.	0	6	7	4	3	8	12	14	8	0	11	9	11	13	11	16	10	1	4	6	0	28	4	2
April	7.1	W.	25	NW.	0	6	6	3	9	12	6	11	7	0	8	14	8	13	9	11	5	0	1	2	0	21	3	0
May	4.6	NW.	22	N.	0	8	7	4	5	8	11	8	11	0	13	10	8	11	9	0	0	2	2	0	0	2	9	2
June	4.5	S.	15	NW.	0	4	4	4	8	12	6	12	10	0	10	7	13	12	8	0	0	0	3	0	0	0	8	2
July	3.7	W.	16	W.	0	11	4	2	3	8	13	11	10	0	16	10	5	10	9	0	0	0	2	0	2	0	7	9
August	3.5	SW.	15	W.	0	11	5	6	3	14	9	8	6	0	16	9	6	12	9	0	0	0	1	0	2	0	12	7
September	4.0	SW.	15	W.	0	4	7	2	5	6	22	7	6	1	11	13	6	13	7	3	1	0	4	0	0	0	6	7
October	4.6	S.	18	NW.	0	3	3	2	0	18	15	10	11	0	9	12	10	17	13	1	0	3	4	0	0	5	6	3
November	6.0	SW.	25	NW.	0	1	6	3	2	7	13	12	16	0	5	6	19	14	10	8	4	0	2	1	0	16	1	2
December	4.6	SW.	23	W.	0	5	1	2	3	13	20	13	4	1	6	3	22	12	9	14	7	0	1	11	0	26	0	0
Year	5.3	SW.	25	NW.	0	63	54	35	50	117	159	136	112	6	115	114	137	156	111	90	51	6	31	44	4	152	57	34

LEWISTON, IDAHO

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	3.1	E.	15	NE.	0	4	5	14	3	2	2	0	0	1	1	3	27	12	8	7	5	0	3	6	0	20	0	0
February	2.5	E.	25	NW.	0	1	3	7	2	2	6	0	1	7	12	6	11	6	2	3	2	0	3	0	0	23	0	0
March	3.6	E.	21	NW.	0	5	5	10	3	1	2	2	1	2	7	3	21	16	11	0	0	0	0	0	0	6	0	0
April	4.4	E.	28	NW.	0	0	4	12	4	3	2	2	2	1	3	14	13	14	8	0	0	0	0	0	0	2	0	0
May	3.1	E.	23	NW.	0	2	5	11	1	2	1	3	1	5	19	11	1	4	1	0	0	0	0	0	6	0	2	0
June	3.6	E.	28	NW.	0	2	4	11	4	3	2	3	0	1	5	14	11	11	6	0	0	0	0	0	4	0	7	0
July	2.7	E.	20	NW.	0	1	2	15	5	2	1	2	0	3	17	8	6	7	5	0	0	0	0	0	20	0	9	1
August	3.0	E.	18	N.	0	0	2	6	6	4	1	0	2	10	22	6	3	2	0	0	0	0	0	0	15	0	3	0
September	2.5	E.	21	NW.	0	4	1	5	1	2	1	1	3	12	17	6	7	2	2	0	0	0	0	0	7	0	1	0
October	2.1	E.	23	NW.	0	2	2	2	7	3	2	5	3	5	10	11	10	8	6	0	0	0	0	0	0	3	1	0
November	2.3	E.	18	NW.	0	2	1	7	0	1	3	5	2	9	3	8	19	10	4	1	1	0	0	0	0	11	0	0
December	3.0	E.	19	NW.	0	2	3	10	5	0	2	3	3	3	5	7	19	9	4	5	4	0	1	1	0	23	0	0
Year	3.0	E.	28	NW.	0	25	37	110	41	25	25	26	18	59	121	97	148	101	57	16	12	0	7	7	52	88	23	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	Thunderstorms	Aurora
January	13.4	SW.	52	W.	4	1	1	0	3	3	15	3	5	0	12	7	12	9	6	6	3	0	1	9	0	20	1	0
February	13.2	SW.	35	NW.	2	0	2	2	3	2	11	4	5	0	11	2	16	11	10	5	4	0	1	4	0	19	0	0
March	12.8	SW.	42	NW.	3	1	0	4	3	1	12	4	6	0	10	7	14	12	10	6	3	0	0	2	0	19	3	0
April	14.1	SW.	46	NW.	7	0	7	4	3	1	10	3	2	0	7	13	10	12	9	2	0	0	0	0	0	5	1	0
May	11.2	SW.	26	NW.	0	0	6	3	3	2	8	6	3	0	15	10	6	7	6	0	0	0	0	0	0	0	3	0
June	11.8	SW.	36	NE.	3	1	1	3	3	3	11	3	5	0	4	13	13	21	17	0	0	0	1	0	0	0	11	0
July	8.0	SW.	28	SW.	0	1	2	4	3	3	8	8	1	1	20	8	3	10	8	0	0	0	0	0	0	0	10	1
August	8.5	SW.	31	SW.	0	2	5	5	1	1	14	2	1	0	9	15	7	12	10	0	0	0	0	0	1	0	9	0
September	9.4	SW.	31	NW.	0	1	5	3	5	3	9	1	3	0	20	7	3	3	2	0	0	0	1	0	0	0	0	0
October	11.6	SW.	30	SW.	0	1	3	2	3	7	9	2	4	0	17	8	6	9	7	0	0	0	4	0	0	1	4	0
November	12.3	SW.	38	SW.	2	3	0	2	3	0	12	1	9	0	7	7	16	16	11	5	2	0	4	1	0	9	0	0
December	11.1	SW.	40	NW.	2	1	3	0	5	4	11	3	3	1	14	6	11	10	6	0	2	0	0	3	0	16	0	0
Year	11.4	SW.	52	W.	23	12	35	32	38	30	130	40	47	2	146	103	117	132	102	30	14	0	12	19	1	89	42	1

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

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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	28.847	29.400	28.160	22.3	35.6	34.3	41.2	19.7	30.4	68	−11	16	18	19	74	50	55	0.097	0.115	0.117	0.06	0.03	4.8	4.1	3.9	4.7
February	28.821	29.210	28.380	26.8	37.2	35.7	42.2	23.2	32.7	65	5	20	21	22	73	54	58	.117	.126	.126	.92	.52	5.7	4.8	5.4	5.6
March	28.705	29.080	28.150	33.6	50.0	49.9	56.0	30.8	43.4	87	15	26	26	25	74	41	40	.147	.148	.142	.46	.20	3.5	5.8	5.2	5.2
April	28.643	29.100	28.150	39.3	55.3	54.8	60.5	35.8	48.2	88	20	30	28	26	69	39	37	.174	.166	.146	1.18	.79	5.8	4.9	6.0	5.6
May	28.690	29.130	28.320	56.1	72.4	71.7	77.0	52.3	64.6	93	39	44	44	45	66	40	43	.307	.302	.319	2.75	1.35	4.7	5.2	4.5	4.7
June	28.568	28.838	28.158	60.8	72.7	71.5	76.1	57.4	66.8	88	48	54	53	52	80	53	55	.433	.414	.412	3.97	1.38	7.0	7.0	6.4	6.6
July	28.700	28.960	28.450	69.5	83.9	82.9	87.3	66.7	77.0	101	57	63	63	65	82	51	56	.588	.594	.627	5.72	1.25	5.6	5.5	4.7	5.6
August	28.708	29.060	28.360	68.8	83.3	81.3	87.1	65.2	76.2	97	45	63	63	62	82	52	55	.580	.593	.582	3.65	1.42	3.7	3.7	2.5	3.9
September	28.752	29.100	28.380	54.9	73.5	69.5	77.5	51.8	64.6	95	34	46	45	46	72	38	46	.331	.330	.342	2.01	1.61	4.3	3.1	3.3	3.6
October	28.766	29.300	28.214	48.9	63.0	58.8	66.5	44.5	55.5	91	34	42	41	41	78	50	56	.280	.271	.269	4.21	2.01	5.0	5.7	4.3	5.4
November	28.819	29.430	28.180	35.3	44.8	41.2	48.3	32.2	40.2	66	16	31	32	32	82	63	69	.177	.186	.183	2.87	.82	5.3	6.0	4.3	6.1
December	28.812	29.230	28.340	27.0	34.9	33.5	39.2	23.2	31.2	57	9	22	24	24	81	65	69	.124	.135	.138	.03	.02	5.6	5.1	4.2	5.5
Year	28.736	29.430	28.150	45.3	58.9	57.1	63.2	41.9	52.6	101	−11	38	38	38	76	50	53	.280	.282	.284	27.83	2.01	5.1	5.1	4.6	5.2

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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.829	30.400	29.160	37.5	46.9	47.7	53.1	34.6	43.8	76	5	28	30	31	69	52	54	0.192	0.202	0.210	1.18	0.87	4.8	4.6	2.6	4.2
February	29.765	30.140	29.350	40.1	48.3	49.2	53.9	37.8	45.8	71	22	34	34	34	77	58	58	.210	.209	.212	2.57	1.20	5.6	5.9	4.7	5.7
March	29.609	30.040	29.110	46.6	57.9	58.6	63.4	44.4	53.9	82	34	39	38	38	75	50	50	.256	.242	.249	1.70	.97	4.9	6.1	5.9	5.6
April	29.574	29.930	29.140	51.3	61.9	61.3	66.8	48.5	57.6	80	35	43	43	44	74	52	55	.300	.304	.307	7.01	2.46	5.8	5.7	6.9	5.9
May	29.573	29.880	29.250	65.2	76.0	75.9	80.2	60.4	70.3	89	51	54	54	56	73	50	52	.432	.441	.459	3.86	2.23	4.8	4.7	5.4	4.6
June	29.487	29.740	29.130	69.9	79.6	78.6	83.4	66.2	74.8	90	53	66	66	66	86	64	67	.635	.644	.655	6.72	1.71	6.8	7.5	4.8	6.6
July	29.629	29.840	29.500	75.5	86.6	84.0	89.8	72.1	81.0	95	68	69	69	70	81	57	64	.718	.712	.728	2.79	1.59	4.2	5.6	5.0	4.7
August	29.629	29.780	29.470	75.1	86.9	84.4	90.8	72.7	81.8	97	64	71	70	71	87	58	65	.755	.734	.764	4.70	1.53	3.6	5.2	5.5	4.6
September	29.668	29.900	29.460	63.2	77.8	76.1	81.4	61.7	71.6	91	49	55	55	57	75	47	53	.451	.463	.492	.52	.52	2.5	3.4	2.4	2.6
October	29.700	30.070	29.370	59.6	73.1	70.7	76.8	57.4	67.1	90	38	55	52	56	84	50	60	.460	.429	.469	3.06	.72	4.4	4.3	4.0	4.2
November	29.791	30.220	29.410	45.4	55.2	54.2	59.4	43.3	51.4	74	30	39	40	41	80	59	63	.258	.267	.280	2.59	1.56	5.9	5.5	5.4	5.7
December	29.775	30.160	29.280	38.3	48.4	47.8	53.0	35.5	44.2	70	25	32	32	33	76	55	58	.186	.191	.196	5.68	3.13	3.5	4.2	2.9	3.8
Year	29.669	30.400	29.110	55.5	66.6	65.7	71.0	52.9	61.9	97	5	49	49	50	78	54	58	.404	.403	.418	42.38	3.13	4.7	5.2	4.6	4.8

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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.788	29.970	29.413	54.5	67.8	64.2	71.5	51.4	61.4	84	40	33	35	40	48	34	45	0.198	0.221	0.257	0.02	0.02	1.5	2.8	3.1	2.7
February	29.717	30.000	29.380	53.8	65.9	63.5	69.3	50.8	60.0	82	43	37	34	38	57	36	45	.230	.212	.250	1.43	1.36	3.5	3.3	2.4	3.0
March	29.688	29.860	29.514	54.1	65.4	63.2	68.6	52.6	60.6	83	48	47	45	48	80	54	60	.332	.319	.338	1.99	.76	4.9	4.7	4.5	5.1
April	29.611	29.790	29.383	54.4	68.6	66.2	72.3	52.2	62.2	83	48	45	45	43	73	43	44	.307	.302	.284	.29	.29	3.5	3.3	2.7	3.4
May	29.580	29.710	29.420	58.7	68.2	66.0	71.4	57.0	64.2	93	54	54	54	52	84	62	64	.414	.415	.400	.29	.26	8.0	5.3	4.4	6.1
June	29.512	29.620	29.339	59.0	70.2	68.4	72.9	57.9	65.4	80	54	55	55	55	87	60	63	.437	.440	.437	.01	.01	7.3	3.1	2.0	4.2
July	29.553	29.710	29.451	61.5	75.7	73.0	78.7	59.8	69.2	85	56	57	58	56	86	54	56	.470	.474	.451	0	0	5.8	.8	1.0	2.8
August	29.580	29.690	29.453	62.2	76.6	72.9	79.3	60.9	70.1	86	56	58	59	58	87	54	61	.487	.497	.489	T.	T.	6.7	1.1	.5	2.5
September	29.521	29.690	29.272	61.5	79.4	73.7	82.1	59.9	71.0	95	56	55	55	54	81	44	53	.439	.430	.420	0	0	3.2	1.1	.7	1.6
October	29.601	29.800	29.160	56.8	70.3	64.8	72.5	54.9	63.7	85	48	50	51	51	78	53	64	.361	.385	.386	.29	.27	3.5	2.7	2.8	3.0
November	29.706	29.930	29.480	56.2	69.8	64.9	72.5	53.9	63.2	85	49	39	40	43	58	38	49	.256	.257	.286	1.67	1.33	3.0	3.0	3.4	3.5
December	29.754	30.010	29.490	52.3	64.4	62.2	67.9	49.8	58.8	82	42	34	36	41	54	38	49	.209	.217	.265	2.70	1.26	1.8	2.5	2.8	2.4
Year	29.634	30.010	29.160	57.1	70.2	66.9	73.2	55.1	64.2	95	40	47	47	48	73	48	54	.345	.347	.355	8.69	1.36	4.4	2.8	2.5	3.4

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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.591	30.080	28.610	29.2	36.5	36.0	41.5	25.6	33.6	70	−5	23	24	25	76	61	65	0.147	0.153	0.159	2.01	1.02	4.9	4.8	4.5	5.3
February	29.561	29.970	29.041	33.4	38.9	37.9	43.7	29.1	36.4	63	14	27	26	28	77	61	67	.157	.154	.156	2.51	.74	6.6	6.4	5.5	6.4
March	29.426	29.880	28.750	38.2	48.2	47.0	53.1	34.8	44.0	79	21	32	32	33	78	56	59	.194	.204	.196	2.66	1.18	6.4	6.6	3.9	6.0
April	29.398	29.780	28.940	46.5	55.5	55.4	61.3	43.3	52.3	79	29	39	37	40	76	53	59	.245	.231	.262	4.15	2.01	7.1	5.9	5.7	6.3
May	29.401	29.810	29.030	57.6	68.8	68.0	73.3	54.1	63.7	87	41	48	46	49	73	48	56	.356	.330	.373	5.63	2.78	5.0	5.2	3.5	4.7
June	29.311	29.600	29.040	64.7	72.6	71.8	76.8	61.4	69.1	86	53	60	60	62	84	66	73	.518	.532	.565	7.25	1.42	7.5	7.3	6.8	7.0
July	29.441	29.719	29.240	72.5	82.3	80.5	85.8	68.8	77.3	92	57	66	66	66	82	58	64	.656	.640	.660	2.17	1.20	3.9	5.1	3.4	4.4
August	29.464	29.660	29.210	71.0	81.3	79.0	85.3	68.6	77.0	92	62	67	67	68	88	63	70	.668	.660	.687	3.23	.96	4.5	5.1	4.7	4.6
September	29.499	29.680	29.210	68.4	71.7	69.9	75.7	55.9	65.8	90	39	52	49	50	81	46	51	.411	.383	.396	.78	.71	4.1	3.7	2.7	3.5
October	29.549	29.920	29.220	54.5	67.1	64.4	70.6	52.3	61.4	88	32	50	50	51	83	55	64	.380	.385	.410	4.45	2.64	4.6	4.5	2.4	4.1
November	29.573	29.970	29.140	42.4	50.0	48.7	54.0	39.2	46.6	74	21	36	36	37	80	60	66	.227	.226	.237	2.94	1.10	6.2	6.0	5.7	6.1
December	29.586	29.903	28.870	33.8	42.2	42.4	47.1	31.3	39.2	63	15	30	31	32	84	64	67	.171	.179	.188	3.31	1.19	4.7	4.3	3.0	4.3
Year	29.483	30.080	28.610	50.2	59.6	58.4	64.0	47.0	55.5	92	−5	44	44	45	80	58	63	.344	.340	.357	41.09	2.78	5.5	5.4	4.3	5.2

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

LINCOLN, NEBR.

[H_b=1,189 ft.; h_t=11 ft.; h_r=4 ft.; h_a=81 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: Thunderstorms	Electricity: Aurora
	Miles		*Mi.*																									
January	8.5	S.	40	NW.	1	7	5	2	2	19	5	10	11	1	14	7	10	2	0	3	1	0	0	7	0	25	0	0
February	9.4	NW.	28	NW.	0	13	2	2	1	15	3	9	13	0	12	6	11	5	5	7	4	0	1	6	0	23	0	0
March	9.3	N.	34	NW.	1	19	6	4	5	13	2	3	10	0	13	5	13	4	4	4	1	0	0	0	0	21	0	0
April	11.5	S.	36	NW.	1	10	11	9	4	11	0	5	10	0	8	14	8	5	4	5	1	0	0	0	0	9	0	0
May	8.5	N.	30	NE.	0	15	5	6	6	12	7	7	4	0	14	5	12	7	5	0	0	0	0	0	3	0	6	0
June	7.6	S.	33	NW.	1	14	3	7	9	11	2	7	7	0	2	16	12	17	14	0	0	1	0	0	0	0	11	0
July	7.0	S.	58	W.	2	13	3	10	11	14	3	6	2	0	8	12	11	13	11	0	0	1	0	0	13	0	13	0
August	7.7	S.	44	W.	1	7	1	10	13	23	3	2	3	0	15	10	6	7	5	0	0	0	2	0	17	0	8	0
September	8.1	S.	36	NW.	1	7	2	6	12	16	6	6	4	1	18	4	8	6	4	0	0	0	0	0	3	0	8	0
October	8.4	S.	31	S.	0	14	5	6	7	21	2	3	4	1	13	5	13	11	7	0	0	0	1	0	1	0	4	0
November	9.8	S.	34	W.	1	10	4	1	1	20	5	6	12	1	8	6	16	7	6	5	3	0	0	2	0	16	1	0
December	8.3	S.	31	W.	0	13	0	3	6	14	6	13	7	0	11	7	13	2	0	6	0	0	4	7	0	22	0	0
Year	8.7	S.	58	W.	9	142	47	65	77	189	44	77	87	4	136	97	133	86	65	30	10	2	8	22	37	116	51	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	Thunderstorms	Aurora
January	8.4	S.	37	W.	1	8	3	1	2	28	8	5	5	2	15	8	8	7	4	1	0	0	2	3	0	13	1	0
February	7.9	S.	33	W.	1	10	1	7	7	17	5	4	6	1	8	11	10	9	8	1	0	0	0	0	0	7	1	0
March	8.7	N.	33	N.	1	12	7	11	6	9	7	3	7	0	9	10	12	4	4	0	0	0	0	0	0	0	4	0
April	10.3	S.	33	E.	1	12	7	5	6	13	8	4	5	0	10	5	15	12	10	1	0	1	0	0	0	0	8	0
May	7.8	S.	28	NW.	0	9	5	5	8	13	10	1	10	1	15	8	8	8	5	0	0	2	1	0	0	0	6	0
June	8.4	S.	37	NW.	2	4	6	10	4	17	9	6	2	2	6	9	15	15	10	0	0	0	1	0	2	0	9	0
July	5.8	SW.	24	W.	0	4	4	7	0	22	10	7	7	1	14	7	10	9	8	0	0	0	0	0	18	0	11	2
August	6.3	S.	34	NW.	1	9	7	12	3	15	8	1	7	0	14	10	7	10	10	0	0	0	1	0	23	0	11	0
September	6.5	NE.	20	N.	0	16	12	6	8	10	1	0	6	1	20	6	4	1	1	0	0	0	0	0	1	0	1	0
October	6.5	S.	25	SE.	0	4	8	6	15	14	5	5	5	0	15	8	8	9	8	0	0	0	0	0	0	0	5	0
November	7.7	S.	24	SW.	0	10	4	6	5	12	8	4	11	0	10	7	13	7	7	0	0	0	1	0	0	2	0	0
December	8.1	SW.	31	NW.	0	9	6	6	5	9	12	5	10	0	19	5	7	8	8	0	0	0	2	0	0	13	2	0
Year	7.7	S.	37	W.	7	107	70	82	69	179	91	45	81	8	155	94	117	99	83	3	0	3	8	3	44	35	59	2

LOS ANGELES, CALIF.

[H_b=388 ft.; h_t=159 ft.; h_r=151 ft.; h_a=191 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	4.6	NE.	15	SW.	0	12	18	1	2	2	12	13	2	0	21	9	1	1	0	0	0	1	0	0	0	0	0	0
February	5.1	NE.	18	NW.	0	9	15	3	6	3	16	5	1	0	18	6	5	2	2	0	0	1	0	0	0	0	1	0
March	4.8	SW.	24	NW.	0	2	10	8	6	7	19	7	2	1	14	5	12	6	5	0	0	0	5	0	0	0	1	0
April	5.5	SW.	21	NW.	0	1	13	7	4	0	23	6	4	2	14	14	2	1	1	0	0	0	3	0	0	0	0	0
May	4.6	SW.	13	W.	0	1	5	5	12	2	29	6	2	0	5	15	11	3	1	0	0	0	0	0	2	0	1	0
June	4.8	SW.	15	W.	0	1	4	9	9	4	28	3	2	0	15	9	6	1	0	0	0	0	0	0	0	0	0	0
July	4.5	SW.	13	SW.	0	0	0	10	9	7	26	8	1	1	22	9	0	0	0	0	0	0	3	0	0	0	0	0
August	4.4	SW.	12	W.	0	1	4	6	9	2	28	10	2	0	21	10	0	0	0	0	0	0	1	0	0	0	0	0
September	3.9	SW.	15	SW.	0	1	4	7	8	4	22	12	1	1	25	5	0	0	0	0	0	0	3	0	3	0	0	0
October	4.2	SW.	21	NW.	0	3	8	8	3	1	20	16	3	0	19	9	3	2	1	0	0	0	5	0	0	0	3	0
November	4.3	NE.	18	W.	0	10	10	5	3	4	10	14	4	0	17	6	7	3	3	0	0	0	2	0	0	0	1	0
December	4.9	NE.	28	NW.	0	9	17	4	3	3	9	14	3	0	21	5	5	5	5	0	0	0	0	0	0	0	0	0
Year	4.6	SW.	28	NW.	0	50	108	73	74	39	242	114	27	5	212	102	52	24	18	0	0	2	22	0	5	0	7	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	Thunderstorms	Aurora
January	11.1	S.	40	W.	3	6	2	1	3	19	13	16	2	0	10	10	11	7	5	6	1	0	0	9	0	18	2	0
February	10.3	SW.	32	W.	0	3	3	6	5	12	10	9	9	1	10	2	17	12	9	6	3	0	0	3	0	17	0	0
March	10.5	S.	45	NW.	2	9	4	3	6	9	12	6	13	0	6	13	12	8	6	5	2	0	0	0	0	12	3	0
April	12.2	S.	41	S.	4	8	9	4	3	13	8	7	8	0	7	9	14	9	9	1	0	0	0	0	0	3	4	0
May	8.9	N.	29	NW.	0	15	7	4	8	11	6	2	9	0	10	13	8	9	9	0	0	0	0	0	0	0	6	0
June	9.5	S.	29	W.	0	3	5	3	12	8	13	9	7	0	1	17	12	17	16	0	0	0	0	0	0	0	11	0
July	6.4	S.	28	N.	0	11	9	1	7	15	10	4	4	1	10	19	2	7	6	0	0	0	0	0	6	0	9	1
August	7.0	S.	28	SE.	0	15	10	4	9	14	7	1	2	0	11	14	6	11	10	0	0	0	1	0	6	0	12	0
September	7.8	N.	29	NE.	0	14	9	1	5	13	4	7	7	0	16	11	3	3	2	0	0	0	0	0	1	0	1	0
October	8.4	S.	30	S.	0	5	5	7	14	11	6	6	8	0	16	9	6	8	7	0	0	0	0	0	0	1	4	1
November	10.5	S.	31	S.	0	4	1	4	6	17	9	6	13	0	10	3	17	14	10	4	2	0	1	0	0	5	0	0
December	8.2	S.	30	W.	0	5	4	4	9	21	6	7	6	0	16	6	9	8	6	4	0	0	0	1	0	20	0	0
Year	9.2	S.	45	NW.	9	98	68	42	87	163	104	80	88	2	123	126	117	113	95	26	8	0	2	13	13	76	52	2

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

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	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	29.252	29.823	28.320	23.8	25.5	25.8	29.1	19.8	24.4	41	−4	21	21	22	88	84	82	0.122	0.124	0.123	1.48	0.48	8.2	7.7	6.5	7.8
February	29.314	29.811	28.820	22.6	26.5	26.3	31.2	18.4	24.8	44	−1	19	20	20	85	76	74	.108	.114	.111	2.25	1.52	6.9	6.3	6.6	6.5
March	29.224	29.680	28.700	28.1	31.5	31.7	37.3	24.2	30.8	64	11	24	24	24	82	72	72	.131	.133	.136	1.99	.97	4.9	5.6	4.3	5.4
April	29.187	29.600	28.570	36.0	39.7	39.6	45.3	31.3	38.3	64	20	31	31	32	80	73	73	.178	.183	.188	2.97	.96	5.5	5.3	5.2	5.4
May	29.268	29.760	28.950	49.2	51.5	52.0	58.9	42.5	50.7	71	32	41	41	42	77	70	71	.269	.267	.275	1.62	.82	3.5	4.0	4.2	3.6
June	29.134	29.586	28.840	55.0	58.5	58.2	64.3	48.7	56.5	80	38	48	49	48	80	72	72	.351	.356	.354	3.29	1.29	5.0	5.3	5.4	5.6
July	29.271	29.601	28.960	64.1	67.9	68.8	72.8	59.9	66.4	84	51	60	60	60	86	78	74	.519	.534	.521	1.84	.68	4.7	3.6	3.3	3.7
August	29.312	29.598	28.910	63.5	69.1	68.5	73.3	58.0	65.6	85	45	58	59	59	84	73	72	.500	.515	.504	2.66	.92	4.3	3.0	3.0	3.5
September	29.306	29.660	28.955	54.2	60.3	57.9	63.6	50.2	56.9	79	36	48	49	49	81	68	74	.362	.375	.375	1.94	1.10	4.4	4.7	4.2	4.6
October	29.324	29.760	28.890	49.3	53.5	53.2	57.1	45.7	51.4	75	29	44	45	46	82	73	76	.302	.314	.327	3.92	1.10	6.2	6.2	5.0	6.3
November	29.302	29.710	28.750	38.1	40.6	40.3	43.9	34.5	39.2	56	22	33	34	34	83	78	80	.191	.196	.203	4.39	2.02	8.0	7.3	7.3	7.8
December	29.337	29.750	28.770	31.0	33.1	32.7	36.4	28.0	32.2	47	12	28	29	29	88	84	86	.160	.165	.167	1.55	.72	8.9	7.7	6.7	7.7
Year	29.269	29.823	28.320	42.9	46.5	46.2	51.1	38.4	44.8	85	−4	38	38	39	83	75	76	.266	.273	.274	29.90	2.02	6.0	5.6	5.1	5.7

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	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	29.350	29.790	28.580	33.5	41.3	40.5	49.3	29.2	39.2	73	6	21	23	28	60	51	62	0.134	0.149	0.182	2.53	0.98	4.4	4.0	3.2	4.3
February	29.371	29.810	28.710	34.2	43.1	42.2	50.4	30.9	40.6	68	20	23	26	29	63	51	62	.130	.145	.168	2.40	.88	4.9	5.5	3.8	5.4
March	29.202	29.720	28.650	40.1	51.5	50.2	59.0	36.0	47.5	81	23	29	31	33	65	47	54	.169	.186	.204	1.93	.66	3.7	4.1	3.2	4.2
April	29.237	29.740	28.620	47.8	56.3	56.8	64.0	42.3	53.2	80	29	36	39	43	66	55	62	.229	.250	.296	4.55	2.08	5.2	5.3	5.6	5.5
May	29.190	29.755	28.800	59.1	70.8	68.4	76.6	52.2	64.4	95	39	47	48	53	65	47	60	.333	.351	.412	.66	.29	4.0	4.4	4.7	4.7
June	29.175	29.430	28.900	67.5	76.4	74.0	81.5	62.1	71.8	92	49	59	60	61	74	58	66	.509	.523	.550	2.98	.72	5.3	6.1	6.3	5.8
July	29.274	29.553	29.050	73.6	83.4	79.5	88.1	67.4	77.8	96	60	65	66	66	76	56	65	.629	.639	.648	3.55	1.20	3.3	4.4	3.3	4.6
August	29.309	29.550	28.890	72.7	82.4	76.5	86.4	68.4	77.4	98	60	68	68	69	84	63	78	.678	.683	.707	14.87	7.59	5.0	5.4	6.8	5.6
September	29.312	29.650	28.800	59.4	68.5	65.3	73.9	55.6	64.8	89	39	54	56	59	84	66	80	.442	.467	.514	6.01	1.97	5.8	6.2	4.4	6.3
October	29.425	29.790	29.060	54.0	65.8	60.5	70.1	50.1	60.1	87	27	48	50	53	80	57	76	.358	.387	.430	.65	.49	4.3	4.5	4.2	5.2
November	29.363	29.765	28.890	43.9	55.0	50.9	60.3	39.3	49.8	77	22	35	36	41	70	50	68	.221	.234	.272	.79	.23	4.6	3.9	2.8	4.8
December	29.398	29.740	28.730	34.2	44.6	41.9	51.3	29.9	40.6	62	20	25	28	30	68	51	62	.143	.157	.174	1.02	.87	5.1	3.8	3.5	5.3
Year	29.300	29.810	28.580	51.7	61.6	58.9	67.6	47.0	57.3	98	6	42	44	47	71	54	66	.331	.348	.380	41.94	7.59	4.6	4.8	4.3	5.1

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	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	29.825	30.270	29.270	36.8	51.3	50.0	56.5	34.5	45.5	78	8	30	31	32	78	48	51	0.201	0.216	0.216	0.59	0.47	4.4	5.5	3.4	5.2
February	29.760	30.100	29.300	40.3	52.8	51.9	58.5	37.9	48.2	70	20	36	36	36	83	57	58	.220	.233	.225	3.54	1.13	6.5	7.0	3.0	6.3
March	29.610	30.010	29.100	49.1	61.4	59.2	66.7	46.2	56.4	85	31	43	43	44	81	54	61	.303	.302	.316	5.21	1.55	6.6	5.4	3.9	5.5
April	29.612	30.000	29.150	54.9	66.7	64.9	71.0	50.3	60.6	81	37	48	44	46	80	51	54	.356	.315	.329	8.02	3.43	5.2	5.5	4.5	5.1
May	29.556	29.960	29.160	64.5	75.6	72.5	80.2	58.4	69.3	89	43	57	54	55	76	51	58	.470	.439	.452	3.43	2.17	5.3	5.2	4.8	5.1
June	29.575	29.730	29.420	73.4	82.6	78.2	87.4	67.8	77.6	96	55	67	67	68	82	60	73	.669	.660	.702	4.41	1.86	6.5	6.5	6.2	6.1
July	29.640	29.830	29.490	76.3	86.4	81.4	89.9	71.5	80.7	95	67	72	74	73	86	66	78	.771	.829	.818	5.48	1.50	5.1	4.6	5.4	4.6
August	29.644	29.840	29.055	75.4	85.4	79.0	89.0	71.5	80.2	93	68	72	72	73	90	66	83	.788	.798	.814	20.52	8.36	6.0	6.3	6.2	5.6
September	29.616	29.840	29.120	67.7	78.9	74.5	82.5	64.1	73.3	91	46	64	66	67	89	67	79	.615	.661	.681	3.73	1.54	5.6	5.7	4.2	5.4
October	29.742	30.060	29.430	61.3	74.3	68.7	77.5	58.2	67.8	89	42	57	57	58	87	57	71	.497	.500	.520	2.30	1.00	4.6	4.4	1.4	4.3
November	29.794	30.130	29.460	46.0	60.9	56.4	64.5	43.0	53.8	81	26	40	40	42	81	48	62	.277	.275	.291	.73	.54	4.6	4.4	2.5	4.1
December	29.777	30.040	29.350	39.7	54.1	50.2	58.6	36.6	47.6	71	25	35	35	38	82	52	63	.218	.224	.240	2.75	1.33	3.9	4.7	2.9	4.7
Year	29.679	30.270	29.055	57.1	69.2	65.6	73.5	53.3	63.4	96	8	52	52	53	83	56	66	.449	.454	.467	60.71	8.36	5.4	5.4	4.0	5.2

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	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	28.961	29.430	28.200	17.5	23.2	22.8	28.3	13.7	21.0	50	−11	15	18	18	89	78	82	0.099	0.110	0.111	0.40	0.17	5.7	5.4	3.9	5.5
February	28.988	29.420	28.532	20.9	27.2	26.7	32.3	17.8	25.0	47	−6	18	20	21	88	72	77	.108	.115	.119	1.76	.66	5.9	5.2	4.0	5.4
March	28.903	29.340	28.350	28.3	35.8	36.5	42.4	25.1	33.8	75	6	23	25	27	81	65	69	.129	.146	.158	2.91	1.46	5.2	5.2	5.2	4.9
April	28.851	29.270	28.280	35.9	44.3	44.7	49.6	33.2	41.4	69	18	30	30	32	78	58	62	.170	.174	.191	2.57	.70	5.9	6.6	5.5	6.0
May	28.925	29.430	28.600	53.6	64.6	64.3	70.2	49.8	60.0	87	37	42	42	44	66	47	51	.276	.286	.304	2.97	1.85	4.4	5.5	6.6	5.2
June	28.796	29.210	28.500	58.4	66.2	66.1	70.5	54.5	62.5	83	45	50	51	52	76	61	63	.379	.388	.400	6.33	2.14	6.5	7.8	6.8	7.1
July	28.949	29.236	28.710	67.6	76.3	75.6	80.2	63.6	71.9	90	54	62	62	62	81	62	65	.555	.556	.575	2.64	1.78	4.1	6.5	5.0	5.5
August	28.980	29.290	28.630	64.9	75.1	74.2	78.9	61.6	70.2	91	51	60	61	61	84	63	66	.528	.552	.563	4.69	1.48	4.7	4.9	3.5	4.4
September	28.984	29.320	28.600	52.6	64.5	61.1	67.7	50.3	59.0	80	34	47	47	48	81	54	62	.340	.348	.356	1.78	.76	3.8	3.4	3.1	3.5
October	28.997	29.480	28.540	47.5	56.0	54.7	59.9	44.8	52.4	84	27	42	44	45	81	64	70	.284	.310	.323	3.34	1.12	5.9	5.8	3.9	5.8
November	28.989	29.450	28.550	34.7	40.0	38.8	42.8	32.2	37.5	60	17	30	31	32	82	72	76	.169	.179	.183	4.86	1.34	7.4	7.0	6.1	7.0
December	29.006	29.400	28.340	24.5	28.8	28.4	33.4	20.5	27.0	51	−4	22	23	24	88	78	82	.124	.131	.137	1.64	1.12	5.7	6.2	5.2	6.3
Year	28.944	29.480	28.200	42.2	50.2	49.5	54.7	38.9	46.8	91	−11	37	38	39	81	64	69	.263	.275	.285	35.89	2.14	5.4	5.8	4.9	5.6

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

LUDINGTON, MICH.

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

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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: Thunderstorms	Aurora
	Miles		*Mi.*																									
January	12.7	W.	40	W.	3	3	2	4	6	7	10	17	13	0	5	3	23	15	11	16	13	0	0	16	0	22	0	0
February	11.3	W.	38	SW.	1	10	5	9	5	7	2	13	7	0	6	8	15	14	6	16	11	0	1	13	0	29	0	0
March	11.0	N.	37	SW.	1	13	7	5	5	10	0	13	9	0	10	10	11	10	7	14	8	0	1	10	0	26	2	0
April	10.3	N.	31	S.	0	13	4	4	9	10	2	7	11	0	12	9	9	13	8	9	5	1	0	3	0	19	4	0
May	7.4	N.	29	S.	0	15	2	3	9	13	7	7	5	1	17	8	6	8	5	0	0	0	3	0	0	0	2	0
June	8.3	S.	25	S.	0	11	3	9	4	17	8	2	6	0	9	10	11	14	12	0	0	0	2	0	0	0	7	0
July	7.9	S.	22	S.	0	12	5	4	2	27	4	7	1	0	17	8	6	10	7	0	0	0	0	0	0	0	5	2
August	7.4	S.	42	SW.	2	14	1	8	10	19	3	3	4	0	18	8	5	10	7	0	0	0	1	0	0	0	6	3
September	9.2	S.	36	S.	1	11	2	5	8	14	5	7	7	1	10	13	7	9	7	0	0	1	0	0	0	0	3	2
October	10.2	S.	36	S.	1	10	2	3	7	20	4	10	6	0	7	10	14	12	11	1	0	0	1	0	0	2	1	2
November	11.5	N.	40	SW.	3	14	7	7	4	6	9	7	6	0	3	5	22	18	13	10	8	0	0	1	0	9	0	0
December	9.9	W.	29	N.	0	6	2	5	9	9	10	15	6	0	4	7	20	11	7	12	8	0	1	8	0	19	0	0
Year	9.8	S.	42	SW.	12	132	42	66	78	159	64	108	81	2	118	99	149	144	101	78	53	2	10	51	0	126	30	9

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	Thunderstorms	Aurora
January	8.8	W.	35	W.	2	4	6	2	0	0	13	19	18	0	18	4	9	9	8	5	4	0	0	6	0	17	1	0
February	7.2	W.	35	NW.	1	3	6	5	1	2	5	25	10	1	8	12	9	8	8	3	0	0	0	0	0	16	1	0
March	8.2	W.	37	SW.	1	6	8	2	2	5	9	13	16	1	13	14	4	8	7	3	3	0	2	0	0	7	2	0
April	9.2	SW.	28	S.	0	5	11	1	1	7	14	10	11	0	11	8	11	10	10	0	0	0	0	0	0	3	2	0
May	6.4	W.	30	NE.	0	9	7	8	2	4	4	20	8	0	12	13	6	10	4	0	0	0	0	0	2	0	2	0
June	6.7	W.	36	W.	2	6	2	7	3	5	16	17	4	0	4	17	9	16	12	0	0	0	0	0	3	0	9	0
July	5.0	W.	30	N.	0	15	2	7	3	5	10	14	6	0	12	17	2	8	5	0	0	0	0	0	11	0	9	1
August	4.8	W.	28	S.	0	8	6	6	6	2	9	17	8	0	5	17	9	18	15	0	0	0	0	0	11	0	13	0
September	5.0	NE.	35	NE.	2	8	15	6	4	5	7	8	6	1	7	10	13	12	9	0	0	0	5	0	0	0	1	0
October	4.9	SW.	22	NW.	0	5	5	2	9	5	12	14	8	2	9	10	12	6	2	0	0	0	3	0	0	2	1	0
November	7.5	NW.	30	SW.	0	8	1	3	3	1	17	17	10	0	10	14	6	6	5	0	0	0	0	0	0	7	0	0
December	4.8	W.	26	NW.	0	10	4	3	2	9	6	14	10	4	12	11	8	6	3	1	0	0	1	0	0	21	0	0
Year	6.5	W.	37	SW.	8	87	73	52	36	50	122	188	115	9	121	147	98	117	88	12	7	0	11	6	27	73	41	1

MACON, GA.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	5.8	NW.	23	NW.	0	4	0	0	0	12	11	9	24	2	10	11	10	4	3	1	0	0	2	3	0	12	0	0
February	5.7	NW.	25	NW.	0	10	5	5	3	2	7	7	18	1	6	9	14	10	9	1	0	0	0	0	0	6	0	0
March	6.2	NW.	24	SW.	0	9	6	4	3	9	8	5	18	0	13	3	15	15	12	0	0	1	0	0	0	2	4	0
April	6.8	S.	25	NW.	0	3	8	0	8	16	6	7	12	0	14	4	12	11	11	0	0	0	1	0	0	6	5	0
May	5.4	SW.	22	NW.	0	9	4	3	8	9	13	2	11	3	11	8	12	11	9	0	0	0	0	0	0	0	6	0
June	5.6	S.	21	W.	0	3	1	3	2	22	14	7	8	0	7	9	14	14	9	0	0	0	0	0	0	10	0	11
July	4.4	S.	24	N.	0	9	1	5	3	18	11	5	10	0	14	10	7	14	12	0	0	0	0	0	0	16	0	11
August	4.9	S.	32	N.	0	4	8	8	4	13	11	4	9	1	7	17	7	16	16	0	0	1	0	0	0	18	0	14
September	4.4	NW.	26	NW.	0	10	10	7	2	8	6	1	15	1	12	4	14	10	8	0	0	0	1	0	3	0	2	0
October	4.9	E.	19	NW.	0	12	12	12	3	6	2	1	13	1	13	11	7	9	7	0	0	0	2	0	0	0	3	0
November	5.5	NW.	19	NW.	0	11	4	4	5	11	3	5	17	0	15	5	10	5	4	0	0	0	0	0	0	3	0	0
December	5.1	NW.	19	NW.	0	16	3	5	3	6	3	5	20	1	15	6	10	7	4	1	0	0	3	0	0	11	0	0
Year	5.4	NW.	32	N.	0	100	62	56	44	132	95	58	175	10	137	97	132	126	104	3	0	2	9	3	47	34	56	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	Thunderstorms	Aurora
January	8.9	NW.	32	W.	0	3	3	1	1	6	18	10	20	0	10	8	13	8	5	12	6	0	0	16	0	28	0	0
February	8.9	NW.	28	NW.	0	9	2	4	8	5	7	9	14	0	13	3	13	8	8	11	5	0	3	11	0	27	0	2
March	9.3	NW.	32	NE.	0	7	7	0	6	7	8	5	22	0	14	6	11	9	8	8	4	0	0	4	0	25	3	1
April	9.7	NW.	30	NW.	0	0	6	6	9	7	5	7	14	0	7	13	10	11	8	6	5	0	0	2	0	13	2	1
May	6.8	NW.	26	S.	0	9	6	2	7	10	6	4	17	1	9	14	8	10	6	0	0	0	2	0	0	0	6	5
June	7.1	N.	25	NE.	0	8	5	1	12	7	6	8	12	1	4	13	13	11	10	0	0	0	0	0	0	0	9	3
July	5.8	SW.	19	NW.	0	7	4	1	3	10	17	7	13	0	10	11	10	7	5	0	0	0	2	0	1	0	6	3
August	6.2	S.	36	SW.	1	8	5	1	9	16	11	7	8	0	15	8	8	9	9	0	0	0	2	0	1	0	11	4
September	6.9	SW.	20	NW.	0	2	2	1	7	7	18	15	8	0	17	8	5	8	7	2	0	0	2	0	0	0	5	2
October	7.9	NW.	26	SW.	0	2	3	1	5	19	10	9	13	0	10	8	13	12	6	0	0	0	1	0	0	3	3	4
November	10.4	NW.	32	S.	0	8	8	1	2	8	12	7	14	0	7	5	18	10	8	8	2	0	2	3	0	10	1	4
December	7.4	S.	22	SW.	0	4	1	2	3	17	11	8	16	0	7	8	16	9	3	12	5	0	5	12	0	25	0	2
Year	7.9	NW.	36	SW.	1	70	52	21	72	119	129	96	171	2	123	105	138	112	83	59	27	0	19	48	2	131	46	31

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

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
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.096	29.810	28.210	17.6	22.1	19.5	26.7	13.1	19.9	48	−4	14	16	16	83	76	83	0.088	0.098	0.094	1.83	0.38	8.3	7.1	6.0	7.4
February	29.215	29.780	28.620	15.1	20.3	18.3	25.9	10.7	18.3	39	−12	12	14	15	86	76	84	.078	.087	.091	1.92	.45	8.5	7.4	5.7	7.1
March	29.125	29.593	28.568	22.2	28.1	27.0	34.0	19.0	26.5	58	−1	17	19	21	80	69	77	.098	.107	.016	1.67	.65	6.9	6.5	5.5	6.5
April	29.095	29.560	28.420	32.8	37.0	35.2	41.7	27.9	34.8	67	15	25	26	26	73	66	71	.134	.147	.146	4.68	1.34	5.9	6.9	6.8	6.7
May	29.175	29.690	28.720	48.7	52.9	51.4	58.5	42.4	50.4	80	33	36	38	39	65	61	64	.220	.238	.241	1.94	.83	4.9	5.6	6.5	5.9
June	29.045	29.480	28.580	53.2	57.4	55.6	63.3	47.1	55.2	80	38	46	48	48	77	72	76	.314	.344	.336	8.48	2.48	6.7	8.0	7.6	7.2
July	29.155	29.480	28.850	62.0	66.7	63.6	71.5	55.4	63.4	88	48	57	59	58	85	78	83	.477	.512	.493	2.63	1.09	6.4	5.6	5.9	6.0
August	29.195	29.424	28.820	61.8	67.1	63.9	72.3	56.1	64.2	85	46	56	57	57	82	73	80	.453	.476	.479	4.48	1.26	4.5	6.2	5.2	6.0
September	29.166	29.504	28.670	49.9	56.4	52.9	60.1	46.2	53.2	79	34	44	46	46	80	70	79	.294	.317	.324	4.31	1.10	5.8	6.9	6.0	6.6
October	29.189	29.650	28.610	44.0	49.9	46.2	54.5	40.7	47.6	86	22	38	40	41	80	72	81	.240	.261	.264	5.10	1.13	7.9	9.0	6.5	8.7
November	29.183	29.660	28.570	33.5	37.4	35.1	41.2	29.4	35.3	57	17	27	29	29	78	72	78	.148	.160	.163	1.93	.55	8.7	8.8	7.1	8.5
December	29.194	29.650	28.760	24.8	29.8	27.1	32.7	21.2	27.0	49	0	20	22	22	83	73	80	.115	.122	.118	1.13	.30	8.0	7.7	6.8	7.9
Year	29.153	29.810	28.210	38.8	43.8	41.3	48.5	34.1	41.3	88	−12	33	34	35	79	72	78	.222	.239	.230	40.10	2.48	6.9	7.1	6.3	7.0

MEDFORD, OREG.

[ϕ=42° 20′ N.; λ=122° 51′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	28.689	28.960	28.180	34.8	41.8	43.5	47.5	32.2	39.8	64	19	33	37	37	94	83	80	0.193	0.221	0.226	2.08	0.89	5.8	6.5	6.2	8.1
February	28.646	28.970	27.900	34.1	48.8	52.7	55.9	31.1	43.5	66	20	30	35	34	87	60	52	.172	.209	.199	.73	.20	4.2	5.6	4.7	5.5
March	28.492	28.790	28.020	41.0	55.7	56.8	60.2	38.5	49.4	81	31	38	44	41	90	65	59	.235	.287	.263	3.24	.92	7.3	8.2	8.1	8.5
April	28.516	28.840	27.898	40.7	56.6	57.9	61.9	38.1	50.0	77	30	37	41	37	86	58	48	.221	.262	.224	.99	.20	7.3	6.9	6.3	7.0
May	28.481	28.760	28.250	45.3	73.5	75.9	80.3	44.2	62.2	98	31	42	49	46	86	43	36	.266	.362	.316	.01	.01	3.2	3.5	4.6	4.2
June	28.446	28.620	28.132	49.6	72.7	75.9	78.2	48.5	63.4	92	42	45	48	48	84	44	40	.300	.344	.344	.82	.79	4.5	3.9	4.2	4.4
July	28.439	28.630	28.269	53.8	83.9	88.4	90.8	52.8	71.8	106	45	46	54	51	77	37	30	.320	.427	.392	T.	T.	1.6	1.6	1.9	2.0
August	28.478	28.700	28.220	51.4	81.9	87.4	89.6	49.7	69.6	98	44	45	51	48	78	36	26	.296	.365	.338	0	0	1.3	1.1	1.2	.9
September	28.472	28.720	28.250	47.3	74.6	76.8	81.7	45.6	63.6	99	37	42	45	45	84	37	36	.274	.304	.302	1.23	.65	1.8	2.0	2.9	2.4
October	28.547	28.760	28.160	42.3	61.0	60.7	66.0	40.2	53.1	80	27	40	43	44	92	54	58	.256	.288	.302	1.28	.52	4.7	4.9	4.9	5.2
November	28.604	29.150	27.850	38.9	48.8	48.3	53.8	34.9	44.4	70	23	36	38	39	91	68	73	.218	.235	.244	1.11	.36	6.2	6.7	6.9	7.3
December	28.632	29.020	28.050	32.1	39.0	39.5	44.5	28.6	36.6	58	16	30	35	35	90	84	84	.166	.204	.204	2.84	1.26	4.9	5.4	5.5	8.2
Year	28.537	29.150	27.850	42.6	61.5	63.6	67.5	40.4	54.0	106	16	39	43	42	87	56	52	.243	.294	.280	14.33	1.26	4.4	4.7	4.8	5.3

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: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	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	29.786	30.300	29.128	37.0	43.7	45.1	49.4	34.3	41.8	72	4	28	28	30	70	55	56	0.188	0.191	0.198	1.65	0.62	4.6	4.9	3.1	4.4
February	29.725	30.110	29.300	40.1	46.9	47.4	52.4	37.1	44.8	73	19	32	33	33	74	60	58	.202	.210	.203	2.42	1.07	5.6	6.2	5.2	5.9
March	29.576	30.000	29.120	46.1	54.3	55.8	60.1	43.4	51.8	78	29	39	42	42	77	64	62	.258	.283	.283	3.14	1.02	5.0	5.5	6.3	5.6
April	29.540	29.890	29.120	51.6	60.1	61.1	66.1	48.6	57.4	77	35	41	42	42	68	54	53	.277	.297	.291	6.70	2.18	5.7	6.0	5.7	5.9
May	29.530	29.830	29.220	63.6	73.5	74.2	78.4	60.5	69.4	86	48	54	55	54	73	56	53	.440	.464	.447	2.51	.86	4.6	4.1	4.2	4.2
June	29.450	29.692	29.143	70.9	76.9	76.8	81.5	67.0	74.2	89	56	66	66	66	85	70	71	.644	.653	.652	3.96	1.13	7.2	7.0	5.9	7.2
July	29.581	29.800	29.440	76.1	84.5	84.4	88.4	73.2	80.8	94	64	70	70	70	82	62	63	.735	.731	.739	1.36	.78	4.4	4.8	3.9	4.1
August	29.582	29.730	29.400	76.1	84.6	84.0	89.0	73.5	81.2	94	61	71	72	72	85	68	68	.760	.795	.778	3.91	2.44	4.0	5.4	5.0	4.9
September	29.617	29.790	29.390	63.2	75.8	75.0	79.8	62.1	71.0	92	46	54	57	57	74	54	55	.446	.497	.494	.06	.06	3.1	2.9	2.2	2.7
October	29.665	30.010	29.380	60.2	70.9	69.6	75.2	58.0	66.6	88	38	54	57	56	82	64	65	.448	.495	.476	5.15	1.74	4.2	4.5	3.7	4.3
November	29.746	30.160	29.410	46.4	53.3	53.8	58.7	43.9	51.3	80	28	40	43	43	80	69	67	.270	.293	.295	4.06	1.30	5.8	5.9	5.2	5.6
December	29.726	30.070	29.250	40.4	47.3	47.2	52.4	37.2	44.8	70	23	32	34	34	72	61	62	.190	.204	.207	4.13	1.73	4.0	3.5	4.2	4.0
Year	29.627	30.300	29.120	56.0	64.3	64.5	69.3	53.2	61.3	94	4	48	50	50	77	61	61	.405	.426	.422	39.05	2.44	4.8	5.1	4.6	4.9

MERIDIAN, MISS.

[ϕ=32° 21′ N.; λ=88° 40′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.844	30.270	29.350	39.8	51.6	49.7	56.7	37.0	46.8	76	12	33	32	33	77	49	54	0.230	0.226	0.225	0.86	0.60	5.4	4.8	3.8	5.3
February	29.758	30.120	29.400	41.2	54.1	53.6	59.0	39.4	49.2	73	20	36	36	38	82	52	56	.229	.235	.248	1.99	.73	5.1	5.6	5.2	5.3
March	29.606	30.030	29.190	50.2	61.4	60.7	66.9	47.0	57.0	87	31	44	43	46	79	56	60	.309	.315	.338	6.18	3.42	6.2	6.5	5.7	6.4
April	29.589	29.910	29.180	53.9	65.9	64.8	71.6	49.5	60.6	85	36	48	46	46	80	52	53	.349	.335	.328	9.94	3.21	5.7	4.8	4.3	4.8
May	29.561	29.790	29.250	63.8	76.0	75.1	80.6	59.2	69.9	92	46	56	53	55	78	49	54	.474	.434	.460	1.15	.40	4.6	3.7	4.0	4.0
June	29.539	29.750	29.290	72.6	82.1	80.5	86.2	69.1	77.6	93	59	68	66	68	86	59	66	.690	.636	.682	10.01	3.89	6.8	6.7	5.8	6.1
July	29.635	29.770	29.510	75.2	86.8	82.3	90.3	71.4	80.8	95	68	71	70	72	87	58	72	.760	.734	.774	8.08	4.04	4.3	5.4	5.5	4.8
August	29.629	29.780	29.350	75.3	87.8	82.3	91.2	72.1	81.6	97	68	72	70	72	88	58	73	.770	.748	.786	5.32	1.32	2.6	5.5	6.5	4.9
September	29.620	29.790	29.420	65.4	80.0	76.2	83.5	62.9	73.2	91	46	60	60	63	84	53	64	.545	.546	.584	1.04	.82	3.8	4.4	4.1	4.0
October	29.703	29.950	29.430	60.4	76.0	70.4	79.3	57.7	68.5	91	41	56	56	58	87	52	67	.483	.475	.507	1.50	.83	4.3	3.6	2.7	3.9
November	29.793	30.170	29.410	47.2	60.0	55.5	64.7	43.9	54.3	80	27	42	42	44	82	54	68	.293	.302	.321	3.00	1.86	5.4	4.4	4.4	4.8
December	29.776	30.010	29.400	39.7	53.4	50.0	58.2	35.9	47.0	74	21	35	36	38	83	53	64	.216	.231	.244	1.70	.87	4.8	5.3	2.9	5.0
Year	29.671	30.270	29.180	57.1	69.6	66.8	74.0	53.8	63.9	97	12	52	51	53	83	54	63	.446	.435	.458	50.77	4.04	4.9	5.1	4.5	4.9

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

MARQUETTE, MICH.

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

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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: Thunderstorms	Aurora
	Miles		*Mi.*																									
January	9.5	W.	34	NW.	1	5	0	0	2	8	5	28	13	1	4	9	18	15	10	20	13	0	0	19	0	28	0	0
February	9.5	W.	34	W.	1	3	0	2	1	11	6	13	21	1	6	8	15	13	10	18	12	0	0	21	0	29	0	0
March	9.7	NW.	33	SW.	1	13	1	3	2	7	3	12	21	0	6	10	15	13	9	17	11	0	0	19	0	29	0	0
April	10.9	NW.	35	S.	1	11	2	4	3	9	4	8	18	1	7	7	16	15	13	11	10	1	0	6	0	22	1	0
May	8.4	NW.	42	SW.	3	4	4	4	7	5	4	10	23	1	8	12	11	7	5	0	0	0	3	0	0	0	1	0
June	7.1	W.	34	SE.	1	2	5	10	5	8	3	11	14	2	3	10	17	16	14	0	0	0	0	0	0	0	5	0
July	6.9	NW.	31	SW.	0	4	4	8	1	5	6	15	17	2	6	14	11	12	8	0	0	0	4	0	0	0	5	0
August	7.7	S.	26	W.	0	3	1	8	7	12	7	9	15	0	9	7	15	13	9	0	0	0	4	0	0	0	7	0
September	9.1	W.	30	S.	0	1	6	2	3	9	7	21	10	1	7	7	16	14	11	3	3	1	1	0	0	0	3	0
October	9.6	W.	32	SW.	0	5	2	5	2	12	7	21	8	0	2	4	25	21	16	4	2	0	0	0	0	3	3	0
November	10.0	W.	33	S.	1	5	4	0	3	8	4	21	15	0	3	2	25	16	13	13	11	0	0	2	0	23	0	0
December	8.7	W.	28	SW.	0	2	0	2	2	10	9	30	7	0	5	3	23	12	8	17	11	0	0	13	0	25	0	0
Year	8.9	W.	42	SW.	9	58	29	48	38	104	65	199	182	9	66	93	207	167	126	103	73	2	12	80	0	159	25	0

MEDFORD, OREG.

[H_b=1,425 ft.; h_t=4 ft.; h_r=67 ft.; h_a=80 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	Thunderstorms	Aurora
January	------	NW.*	26	SE.	0	5	6	1	12	6	5	9	17	1	3	7	21	11	8	1	1	0	15	0	0	12	0	0
February	------	NW.	30	SE.	0	7	1	3	12	7	6	10	12	0	10	9	10	8	7	0	0	0	1	0	0	16	0	0
March	------	W.	24	SE.	0	12	2	6	4	10	3	19	6	0	2	5	24	15	13	1	0	0	1	0	0	1	0	0
April	------	NW.	25	S.	0	11	6	4	5	8	1	8	17	0	3	10	17	14	9	3	0	2	0	0	0	3	0	0
May	------	NW.	18	N.	0	11	2	4	8	14	1	2	18	2	15	8	8	1	0	0	0	0	0	0	2	3	3	0
June	------	NW.	18	NW.	0	17	1	3	10	4	0	0	25	0	13	8	9	3	1	0	0	0	0	0	3	0	0	0
July	------	NW.	20	N.	0	6	1	5	11	8	2	1	26	2	23	5	3	0	0	0	0	0	0	0	15	0	0	2
August	------	NW.	16	N.	0	15	0	11	9	7	1	0	19	0	28	3	0	0	0	0	0	0	0	0	17	0	0	0
September	------	NW.	19	SE.	0	9	1	0	15	9	3	1	22	0	21	5	4	4	3	0	0	1	0	0	9	0	2	0
October	------	N.	21	NW.	0	18	6	2	17	4	4	4	7	0	13	5	13	9	8	0	0	0	4	0	0	4	0	0
November	------	W.	30	SE.	0	9	4	2	11	6	7	11	10	0	5	5	20	14	7	1	1	0	8	0	0	13	0	0
December	------	SE.	31	SE.	0	7	2	2	22	4	7	5	8	5	1	9	21	9	7	2	0	0	12	2	0	21	0	0
Year	------	NW.	31	SE.	0	127	32	43	136	87	40	70	187	10	137	79	150	88	63	8	2	3	41	2	46	73	5	2

MEMPHIS, TENN.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	8.0	SW.	45	W.	2	10	6	3	2	13	19	2	7	0	14	9	8	9	8	2	1	1	1	4	0	14	2	0
February	7.6	SW.	31	W.	0	7	4	6	5	9	14	8	4	1	7	11	11	10	5	2	1	0	1	2	0	10	2	0
March	7.6	N.	32	W.	0	12	7	11	3	7	14	2	6	0	10	9	12	8	7	3	2	0	0	0	0	3	3	0
April	9.0	SW.	32	W.	0	10	11	7	3	11	13	2	3	0	10	7	13	13	11	0	0	1	0	0	0	0	5	0
May	6.5	SW.	35	W.	1	8	12	8	2	13	15	2	2	0	15	5	11	6	6	0	0	0	1	0	0	0	5	0
June	7.5	SW.	38	N.	3	3	2	11	5	9	20	7	3	0	1	12	17	16	12	0	0	0	0	0	0	0	9	0
July	5.6	SW.	28	SW.	0	7	5	9	2	8	24	6	1	0	14	13	4	6	5	0	0	0	0	0	13	0	7	0
August	5.6	SW.	24	W.	0	7	9	13	4	6	19	1	1	2	10	14	7	9	7	0	0	0	1	0	15	0	10	0
September	5.4	NE.	19	N.	0	10	19	11	4	5	8	2	1	0	21	8	1	1	1	0	0	0	0	0	2	0	1	0
October	5.4	E.	24	NW.	0	5	10	13	8	12	8	4	2	0	17	6	8	9	9	0	0	0	0	0	0	0	5	1
November	6.8	SW.	28	SW.	0	8	4	10	2	14	11	3	7	1	10	7	13	10	9	1	0	0	1	0	0	2	0	0
December	6.9	SW.	25	NW.	0	8	6	10	7	7	10	9	5	0	18	5	8	7	7	0	0	0	0	0	0	9	0	0
Year	6.8	SW.	45	W.	6	95	95	112	47	114	175	48	42	4	147	106	113	104	87	8	4	2	5	6	30	38	49	1

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	Thunderstorms	Aurora
January	5.6	SW.	32	W.	0	9	10	3	2	5	19	5	8	1	9	12	10	4	3	1	0	0	2	3	0	11	0	0
February	5.6	N.	23	NW.	0	9	11	3	5	5	11	5	5	4	11	8	10	7	5	1	0	0	1	0	0	7	0	0
March	6.1	NE.	27	SE.	0	9	11	6	1	15	7	4	7	2	7	9	15	13	11	0	0	1	2	0	0	1	8	0
April	7.3	SW.	25	NW.	0	10	3	2	6	13	14	2	8	2	15	4	11	9	8	0	0	0	0	0	0	0	6	0
May	5.1	SW.	24	SW.	0	12	6	8	4	4	7	7	9	5	16	8	7	10	7	0	0	0	0	0	2	0	6	0
June	5.9	SW.	31	SW.	0	2	1	2	3	16	23	10	3	0	5	15	10	11	9	0	0	0	0	0	9	0	13	0
July	3.9	SW.	22	NW.	0	5	5	4	4	4	21	9	8	2	10	17	4	10	8	0	0	0	1	0	17	0	15	0
August	3.8	SW.	29	SW.	0	3	3	9	8	9	16	6	3	5	9	18	4	14	11	0	0	0	0	0	23	0	15	0
September	3.9	NE.	14	N.	0	11	17	9	9	2	1	1	2	8	15	8	7	2	2	0	0	0	1	0	3	0	2	0
October	4.2	SE.	15	W.	0	4	8	11	14	5	2	1	5	12	17	4	10	7	4	0	0	0	1	0	5	0	3	0
November	5.1	N.	17	NW.	0	15	6	5	11	4	5	1	11	2	14	5	11	9	6	0	0	0	1	0	0	2	0	0
December	4.6	NW.	21	SE.	0	11	8	7	8	5	7	2	8	6	11	11	9	8	7	0	0	0	0	0	0	11	0	0
Year	5.1	SW.	32	W.	0	100	89	69	75	87	133	53	77	49	139	119	108	104	81	2	0	1	9	3	59	32	68	0

* By eye observations at this station.

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

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: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	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	30.480	29.940	60.8	69.3	65.9	71.2	56.7	64.0	82	32	53	56	56	78	63	71	0.445	0.478	0.480	0.42	0.13	5.9	6.0	4.3	5.3
February	30.094	30.330	29.910	66.2	73.3	71.0	75.4	63.5	69.4	83	38	61	62	61	82	69	74	.560	.575	.572	2.02	1.21	4.1	4.9	3.3	4.8
March	30.033	30.260	29.660	67.9	76.0	72.7	77.9	64.1	71.0	83	46	61	62	62	80	63	71	.572	.586	.588	.45	.17	3.5	3.6	2.1	3.8
April	30.014	30.300	29.770	71.9	76.8	74.1	79.0	68.1	73.6	87	48	62	64	64	73	65	72	.585	.607	.614	.42	.29	5.2	5.1	2.9	5.0
May	29.946	30.140	29.660	74.0	79.3	75.8	81.2	67.0	74.1	89	57	65	65	64	73	62	69	.621	.630	.616	10.67	3.74	3.1	4.6	4.5	4.3
June	29.993	30.100	29.890	80.6	83.2	80.1	85.1	73.9	79.5	88	68	72	72	72	75	69	77	.786	.782	.789	6.14	1.63	5.3	6.0	6.3	6.0
July	30.044	30.150	29.950	81.8	85.0	81.2	86.6	76.4	81.5	89	70	73	73	73	75	67	76	.809	.800	.805	3.65	1.30	5.7	5.9	6.3	6.2
August	29.994	30.140	29.780	81.3	83.9	81.3	86.2	76.9	81.6	89	72	74	74	74	79	72	78	.837	.829	.831	9.75	3.04	6.1	7.0	5.1	6.4
September	29.914	30.120	28.950	80.4	83.4	80.6	85.5	75.2	80.4	88	70	74	74	74	82	74	80	.839	.843	.836	17.00	8.61	7.9	7.5	6.6	7.8
October	29.996	30.200	29.860	77.0	81.8	79.0	82.8	73.6	78.2	86	62	69	70	70	78	67	73	.722	.728	.722	3.63	.80	5.4	6.4	4.1	5.9
November	30.074	30.320	29.800	69.4	75.9	72.3	77.1	66.4	71.8	87	47	60	62	63	74	64	73	.566	.590	.595	.42	.17	5.7	6.5	6.4	6.7
December	30.087	30.220	29.920	62.7	72.6	68.2	74.5	60.1	67.3	81	46	57	58	59	82	60	73	.489	.497	.519	.74	.72	4.1	3.6	3.4	3.7
Year	30.029	30.480	28.950	72.8	78.4	75.2	80.2	68.5	74.4	89	32	65	66	66	78	66	74	.653	.662	.664	55.31	8.61	5.2	5.6	4.6	5.5

MILWAUKEE, WIS.

[ϕ=43° 02′ N.; λ=87° 54′ W.]

Month	Monthly mean	Extremes: Maximum	Extremes: Minimum	Mean: 8 a. m.	Mean: Noon, local time	Mean: 8 p. m.	Mean: Maximum	Mean: Minimum	Mean: Monthly	Extremes: Maximum	Extremes: Minimum	Dew point: 8 a. m.	Dew point: Noon, local time	Dew point: 8 p. m.	Relative humidity: 8 a. m.	Relative humidity: Noon, local time	Relative humidity: 8 p. m.	Vapor pressure: 8 a. m.	Vapor pressure: Noon, local time	Vapor pressure: 8 p. m.	Precipitation: Total	Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.262	29.720	28.410	20.6	26.0	25.3	29.9	16.7	23.3	52	−6	16	17	18	81	67	72	0.105	0.110	0.112	0.36	0.21	5.4	5.5	4.5	5.4
February	29.295	29.730	28.790	23.9	29.4	28.5	33.9	20.4	27.2	50	−4	18	19	20	77	62	67	.111	.112	.115	1.36	.81	6.0	5.0	4.6	5.6
March	29.210	29.640	28.650	30.2	36.3	35.6	42.5	26.3	34.4	70	6	23	22	24	73	57	62	.130	.128	.141	2.22	.86	4.9	4.9	5.1	5.3
April	29.161	29.580	28.567	38.3	43.5	40.8	48.7	33.5	41.1	68	20	30	31	32	73	64	71	.176	.188	.188	1.79	.84	4.7	5.5	5.6	5.6
May	29.235	29.720	28.870	53.2	57.9	54.9	63.1	46.7	54.9	87	39	40	41	42	63	57	64	.260	.269	.278	2.44	1.95	4.0	4.0	5.1	4.5
June	29.099	29.560	28.810	57.9	63.1	59.8	68.3	51.8	60.0	85	45	50	50	50	76	65	71	.371	.369	.367	6.95	3.05	6.6	6.2	6.6	6.7
July	29.247	29.570	29.020	68.2	75.7	72.5	80.4	63.1	71.8	94	54	60	59	59	75	59	66	.521	.514	.515	1.47	.47	4.8	4.5	3.5	4.7
August	29.283	29.660	28.890	67.5	74.4	71.9	78.3	63.0	70.6	93	51	59	61	61	77	64	70	.527	.544	.547	4.02	1.10	4.1	4.0	3.0	3.9
September	29.285	29.630	28.920	54.9	64.7	61.0	68.8	51.6	60.2	87	34	47	46	48	76	53	63	.352	.342	.355	1.50	.76	3.4	4.3	2.8	3.9
October	29.301	29.760	28.880	49.0	56.0	55.0	60.8	46.1	53.4	86	28	42	44	45	79	66	71	.287	.304	.325	3.05	.92	6.1	6.1	4.7	6.3
November	29.287	29.730	28.750	37.0	42.1	41.1	45.4	34.5	40.0	64	19	31	32	33	78	69	73	.175	.184	.192	4.88	2.74	7.2	7.0	6.3	7.3
December	29.319	29.720	28.690	27.0	32.5	31.3	36.5	24.0	30.2	52	−2	22	24	25	81	71	77	.131	.140	.147	1.97	1.68	6.8	6.8	4.8	6.6
Year	29.249	29.760	28.410	44.0	50.1	48.1	54.7	39.8	47.3	94	−6	36	37	38	76	63	69	.262	.267	.274	32.01	3.05	5.3	5.3	4.7	5.5

MINNEAPOLIS, MINN.

[ϕ=44° 59′ N.; λ=93° 18′ W.]

Month	Monthly mean	Extremes: Maximum	Extremes: Minimum	Mean: 8 a. m.	Mean: Noon, local time	Mean: 8 p. m.	Mean: Maximum	Mean: Minimum	Mean: Monthly	Extremes: Maximum	Extremes: Minimum	Dew point: 8 a. m.	Dew point: Noon, local time	Dew point: 8 p. m.	Relative humidity: 8 a. m.	Relative humidity: Noon, local time	Relative humidity: 8 p. m.	Vapor pressure: 8 a. m.	Vapor pressure: Noon, local time	Vapor pressure: 8 p. m.	Precipitation: Total	Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.038	29.580	28.420	----	20.9	19.3	24.8	9.6	17.2	46	−20	----	12	13	----	67	74	----	0.090	0.091	0.33	0.15	----	6.0	5.6	6.0
February	29.064	29.424	28.740	----	23.6	23.8	28.5	14.9	21.7	47	−5	----	16	17	----	69	75	----	.095	.103	1.51	1.02	----	5.7	4.7	5.6
March	28.962	29.460	28.380	----	35.3	37.1	41.5	24.3	32.9	76	4	----	20	22	----	54	54	----	.116	.126	.93	.67	----	5.0	4.7	5.2
April	28.901	29.360	28.270	----	43.3	44.5	48.2	31.0	39.6	74	18	----	26	27	----	52	53	----	.147	.153	2.33	.98	----	7.1	6.7	6.8
May	28.960	29.440	28.520	----	66.7	67.1	71.0	51.1	61.0	89	41	----	39	39	----	38	39	----	.252	.257	2.38	1.15	----	5.4	6.3	5.6
June	28.835	29.140	28.300	----	67.4	67.8	71.4	53.8	62.6	82	45	----	47	48	----	51	52	----	.335	.351	2.59	.55	----	7.3	6.2	7.0
July	28.958	29.231	28.660	----	78.1	77.6	81.9	62.7	72.3	94	54	----	59	59	----	53	54	----	.517	.516	3.68	1.16	----	6.5	3.7	5.6
August	28.976	29.280	28.690	----	75.2	74.8	79.8	60.9	70.4	94	49	----	57	58	----	55	58	----	.486	.504	5.84	1.44	----	4.9	3.7	4.7
September	28.979	29.280	28.520	----	64.6	61.7	67.8	48.8	58.3	81	34	----	44	45	----	49	56	----	.317	.323	2.17	.81	----	4.7	5.0	5.1
October	29.016	29.560	28.440	----	56.2	52.8	59.2	42.1	50.6	90	23	----	37	38	----	52	59	----	.245	.248	3.17	1.59	----	5.8	6.5	6.3
November	29.033	29.590	28.240	----	40.1	38.5	42.8	30.0	36.4	59	15	----	27	27	----	61	62	----	.152	.148	.35	.21	----	6.9	6.4	6.8
December	29.027	29.450	28.460	----	28.4	27.4	32.9	18.4	25.6	45	−11	----	21	20	----	71	74	----	.120	.120	.43	.12	----	6.2	6.2	6.4
Year	28.979	29.590	28.240	----	50.0	49.4	54.2	37.3	45.7	94	−20	----	34	34	----	56	59	----	.239	.245	25.71	1.59	----	6.0	5.5	5.9

MOBILE, ALA.

[ϕ=30° 41′ N.; λ=88° 02′ W.]

Month	Monthly mean	Extremes: Maximum	Extremes: Minimum	Mean: 8 a. m.	Mean: Noon, local time	Mean: 8 p. m.	Mean: Maximum	Mean: Minimum	Mean: Monthly	Extremes: Maximum	Extremes: Minimum	Dew point: 8 a. m.	Dew point: Noon, local time	Dew point: 8 p. m.	Relative humidity: 8 a. m.	Relative humidity: Noon, local time	Relative humidity: 8 p. m.	Vapor pressure: 8 a. m.	Vapor pressure: Noon, local time	Vapor pressure: 8 p. m.	Precipitation: Total	Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	30.194	30.610	29.750	44.7	53.5	52.1	57.6	42.0	49.8	74	18	37	41	38	76	64	63	0.267	0.300	0.279	0.91	0.29	5.2	6.5	5.1	5.9
February	30.093	30.470	29.750	47.1	55.9	54.7	60.6	45.4	53.0	72	27	41	42	44	80	63	68	.282	.297	.307	3.52	2.42	7.4	6.4	5.7	6.5
March	29.945	30.320	29.628	56.4	65.3	63.0	69.7	54.3	62.0	80	36	51	52	52	82	64	71	.400	.420	.425	5.47	2.15	6.4	6.5	6.1	6.4
April	29.934	30.290	29.540	59.0	67.6	64.8	71.5	54.8	63.2	79	41	53	54	56	82	68	74	.429	.435	.464	6.86	2.34	5.0	4.8	5.1	4.9
May	29.896	30.130	29.580	67.8	77.6	73.9	81.1	64.2	72.6	88	51	62	60	63	81	57	70	.567	.534	.589	3.57	2.02	3.5	4.7	4.3	3.9
June	29.899	30.130	29.680	76.5	81.4	79.0	85.0	72.4	78.7	92	64	71	70	71	84	69	77	.766	.730	.760	7.13	2.83	5.7	6.3	6.7	5.9
July	29.968	30.100	29.830	78.4	86.0	81.7	89.8	75.1	82.4	96	71	74	71	73	85	63	75	.824	.765	.803	3.33	1.02	4.5	6.8	6.9	6.0
August	29.954	30.090	29.680	78.1	86.9	81.8	90.7	74.8	82.8	96	70	74	72	73	87	63	76	.834	.798	.813	5.74	1.73	3.6	6.3	8.2	5.6
September	29.920	30.070	29.650	70.8	82.1	77.3	85.2	69.2	77.2	93	55	67	67	69	88	62	76	.668	.685	.713	4.65	2.18	5.9	5.3	6.4	5.5
October	30.029	30.300	29.800	66.2	77.6	73.6	80.9	64.3	72.6	90	49	62	61	64	86	58	72	.584	.569	.618	3.46	1.38	3.5	3.9	3.4	3.9
November	30.130	30.510	29.720	51.4	63.2	60.1	67.0	49.0	58.0	77	32	46	46	48	81	57	66	.337	.354	.368	1.61	.77	5.3	5.3	4.5	5.3
December	30.116	30.350	29.730	46.3	57.2	54.8	61.1	43.5	52.3	74	26	41	42	44	81	58	68	.275	.287	.307	5.82	2.99	4.7	5.4	6.0	5.4
Year	30.006	30.610	29.540	61.9	71.2	68.1	75.0	59.1	67.0	96	18	57	56	58	83	62	71	.519	.514	.537	57.07	2.99	5.1	5.7	5.7	5.4

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

MIAMI, FLA.

[H_b=25 ft.; h_t=71 ft.; h_r=64 ft.; h_a=164 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	9.7	E.	25	N.	0	11	6	16	5	10	1	1	12	0	9	15	7	8	4	0	0	0	0	0	0	0	0	0
February	10.4	S.	26	NW.	0	6	8	12	4	15	3	1	9	0	11	13	5	9	5	0	0	0	1	0	0	0	0	0
March	10.1	S.	33	S.	1	11	5	4	8	24	3	3	4	0	16	10	5	5	4	0	0	0	0	0	0	0	4	0
April	12.3	E.	30	S.	0	9	3	19	12	11	3	1	2	0	11	12	7	6	3	0	0	0	0	0	0	0	0	0
May	10.0	E.	31	S.	0	6	8	17	3	12	8	3	5	0	12	12	7	9	9	0	0	0	0	0	0	0	7	0
June	6.9	SE.	35	W.	1	7	4	13	25	4	2	3	2	0	6	12	12	16	13	0	0	0	0	0	0	0	18	0
July	6.8	SE.	24	SE.	0	7	1	18	18	8	1	3	6	0	6	14	11	9	7	0	0	0	0	0	0	0	9	0
August	9.4	E.	38	S.	2	4	4	29	5	13	2	0	5	0	7	11	13	17	16	0	0	0	0	0	0	0	13	0
September	10.3	E.	60	W.	4	5	7	24	8	9	4	1	2	0	2	7	21	21	18	0	0	0	0	0	0	0	13	0
October	8.7	E.	26	NE.	0	14	15	26	1	1	1	1	3	0	7	14	10	16	13	0	0	0	0	0	0	0	4	0
November	10.9	E.	29	E.	0	10	7	19	5	5	2	3	9	0	4	11	15	9	3	0	0	0	0	0	0	0	2	0
December	8.8	NW.	23	NW.	0	12	2	14	5	9	2	3	15	0	15	13	3	2	2	0	0	0	0	0	0	0	0	0
Year	9.5	E.	60	W.	8	102	70	211	99	121	32	23	74	0	106	144	116	127	97	0	0	0	1	0	0	0	70	0

MILWAUKEE, WIS.

[H_b=681 ft.; h_t=125 ft.; h_r=117 ft.; h_a=221 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	14.6	W.	39	NW.	5	3	1	2	1	2	9	29	15	0	11	8	12	5	2	13	3	0	0	14	0	26	0	0
February	13.6	NW.	34	N.	4	6	3	5	5	4	8	13	14	0	11	5	13	11	7	11	6	0	2	10	0	26	0	0
March	13.7	W.	42	NW.	5	14	5	2	3	6	6	15	11	0	8	13	10	8	6	13	5	1	0	3	0	24	3	0
April	13.2	NW.	39	SW.	6	9	8	3	9	8	2	8	13	0	10	9	11	10	6	7	4	0	0	1	0	11	3	0
May	9.8	SE.	31	N.	0	12	7	3	12	9	4	6	9	0	13	10	8	9	5	0	0	1	3	0	0	0	4	0
June	11.2	SE.	38	SW.	3	12	6	8	9	5	8	6	6	0	6	7	17	14	11	0	0	0	3	0	0	0	7	0
July	9.4	W.	35	SW.	1	10	5	8	2	11	10	12	4	0	14	9	8	9	6	0	0	0	0	0	1	0	5	1
August	10.2	SE.	28	SW.	0	11	4	4	9	13	7	8	6	0	18	6	7	9	8	0	0	0	0	0	2	0	9	0
September	11.5	W.	36	S.	2	4	1	2	2	11	8	23	9	0	17	6	7	7	5	0	0	0	2	0	0	0	3	0
October	12.2	SW.	34	N.	3	9	1	0	5	11	12	13	11	0	9	6	16	11	9	0	0	0	0	0	0	2	2	0
November	14.7	W.	44	SW.	7	10	7	2	0	5	9	14	13	0	6	6	18	10	7	9	4	0	0	1	0	9	1	0
December	11.5	SW.	43	SE.	3	6	1	2	1	7	22	10	13	0	9	6	16	8	5	12	4	0	1	9	0	23	0	0
Year	12.1	W.	44	SW.	30	106	49	41	58	92	105	157	124	0	132	91	143	111	77	65	26	2	11	38	3	121	37	1

MINNEAPOLIS, MINN.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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.	43	NW.	3	2	2	0	2	3	5	10	7	0	9	9	13	7	4	11	6	0	0	18	0	27	0	0
February	10.8	NW.	41	NW.	1	5	1	1	4	4	3	5	6	0	10	7	12	7	4	8	6	0	0	17	0	28	0	0
March	10.2	NW.	37	NW.	1	4	4	4	3	1	1	6	8	0	14	5	12	2	2	8	1	0	0	8	0	25	0	0
April	12.7	NW.	42	N.	3	6	3	1	4	4	0	4	8	0	7	7	16	8	7	8	4	1	0	1	0	17	2	0
May	10.0	N.	38	NW.	1	11	3	2	3	8	1	1	2	0	9	13	9	8	7	0	0	0	0	0	0	0	3	2
June	10.0	NW.	34	NW.	1	5	2	5	3	4	2	3	6	0	6	7	17	13	8	0	0	0	1	0	0	0	6	0
July	8.2	S.	34	NW.	1	7	1	1	7	4	2	4	5	0	7	17	7	11	5	0	0	0	0	0	3	0	10	1
August	9.6	S.	54	N.	4	5	1	2	3	10	4	2	4	0	14	8	9	11	10	0	0	2	0	0	5	0	10	1
September	11.0	S.	56	S.	2	5	0	1	0	10	2	7	5	0	10	10	10	8	7	1	0	0	0	0	0	0	6	0
October	10.8	S.	32	NW.	0	7	1	0	0	11	1	5	6	0	7	10	14	12	8	0	0	1	1	0	0	3	4	2
November	10.8	NW.	35	NW.	3	5	0	0	2	7	4	2	10	0	7	8	15	4	2	6	1	0	0	3	0	18	0	0
December	9.7	S.	33	NW.	1	2	1	1	3	8	1	8	7	0	7	9	15	9	6	13	6	0	1	14	0	26	6	0
Year	10.4	NW.	54	N.	21	64	19	18	34	74	26	57	74	0	107	110	149	100	70	55	24	4	3	61	8	144	41	6

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	8.5	N.	29	NW.	0	17	4	4	6	10	10	2	9	0	9	5	17	6	4	0	0	0	4	1	0	6	0	0
February	9.2	N.	34	SE.	2	14	9	5	9	5	6	1	9	0	6	8	15	8	5	0	0	0	0	0	0	2	0	0
March	9.3	S.	31	N.	0	12	7	4	10	13	6	3	7	0	5	10	16	13	12	0	0	1	2	0	0	0	7	0
April	11.4	S.	40	NW.	4	9	4	3	14	11	9	1	9	0	12	8	10	8	8	0	0	1	0	0	0	0	5	0
May	9.2	SW.	28	SE.	0	8	4	2	5	10	15	5	13	0	12	16	3	9	7	0	0	0	1	0	0	0	7	0
June	9.2	S.	33	W.	1	4	1	1	3	22	20	4	5	0	4	15	11	13	10	0	0	0	0	0	2	0	11	0
July	5.9	SW.	20	NW.	0	4	3	4	4	4	18	11	14	0	3	22	6	13	10	0	0	0	0	0	14	0	18	0
August	6.5	SW.	30	E.	0	10	8	7	2	8	11	6	9	1	3	23	5	12	8	0	0	0	1	0	18	0	20	0
September	7.5	N.	27	N.	0	22	15	6	3	5	3	4	2	0	11	8	11	11	8	0	0	0	0	0	5	0	4	0
October	7.8	N.	29	SE.	0	18	12	4	10	9	5	0	4	0	14	13	4	7	6	0	0	0	0	0	0	0	7	0
November	9.5	N.	28	SW.	0	22	4	8	8	4	1	4	9	0	8	16	6	5	5	0	0	0	1	0	0	1	0	0
December	8.3	N.	29	SE.	0	18	11	6	4	6	5	1	11	0	11	7	13	7	7	0	0	0	3	0	0	3	1	0
Year	8.5	N.	40	NW.	7	158	82	54	78	107	109	42	101	1	98	151	117	112	90	0	0	2	12	1	39	12	80	0

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

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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	24.754	25.120	24.210	20.4	36.0	33.2	39.2	16.2	27.7	54	−2	18	22	23	91	59	66	0.102	0.122	0.122	0.18	0.09	2.9	3.5	3.0	3.6
February	24.655	24.950	24.310	25.1	43.1	42.6	46.9	22.1	34.5	56	12	19	20	20	78	39	42	.105	.107	.112	.57	.42	2.4	3.7	3.9	3.7
March	24.597	24.800	24.210	32.9	50.8	50.8	55.3	29.5	42.4	71	20	28	28	28	82	45	47	.153	.156	.159	1.01	.44	4.5	5.2	5.3	4.7
April	24.531	24.760	24.280	32.2	56.2	57.9	61.6	29.2	45.1	79	13	19	17	13	58	22	17	.105	.097	.081	T.	T.	2.5	3.9	3.6	3.2
May	24.586	24.840	24.360	43.7	68.9	68.0	72.9	42.0	57.4	86	27	34	32	33	70	28	33	.199	.189	.201	1.76	.56	2.1	4.6	4.8	3.7
June	24.499	24.710	24.090	48.5	75.3	78.0	80.5	46.2	63.4	93	35	28	29	26	45	22	17	.152	.165	.142	.26	.16	1.5	1.7	1.9	1.8
July	24.645	24.810	24.460	54.0	84.6	84.9	88.6	53.1	70.8	96	42	36	36	34	52	20	18	.225	.227	.203	1.05	.55	1.2	2.5	3.5	2.2
August	24.556	24.820	24.430	54.1	81.8	81.9	86.6	52.4	69.5	96	41	35	36	34	52	22	20	.219	.224	.203	.96	.45	1.3	2.0	2.7	1.7
September	24.649	24.860	24.380	45.6	77.5	78.1	81.4	43.2	62.3	89	31	26	29	26	46	19	15	.142	.165	.144	.19	.19	1.1	1.5	1.6	1.5
October	24.618	24.910	24.096	36.0	62.2	60.7	66.2	32.1	49.4	81	23	23	27	26	60	29	29	.126	.148	.143	.23	.13	2.4	4.0	3.3	3.5
November	24.687	25.030	24.260	27.7	46.8	42.2	50.4	23.2	36.8	66	8	21	26	24	76	46	50	.116	.141	.133	.22	.18	2.7	5.2	4.1	4.3
December	24.707	25.020	24.170	13.4	32.2	26.3	36.5	8.9	22.7	56	−11	11	21	19	90	64	73	.079	.113	.108	.52	.28	2.5	3.5	2.7	3.1
Year	24.632	25.120	24.090	36.1	59.6	58.7	63.8	33.2	48.5	96	−11	25	27	26	67	35	36	.144	.154	.146	6.95	.56	2.3	3.4	3.4	3.1

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
January	30.007	30.440	29.450	40.0	50.8	50.8	55.9	37.6	46.8	75	11	33	33	32	75	53	50	0.223	0.239	0.221	1.08	0.53	5.2	6.3	4.5	5.7
February	29.916	30.280	29.545	43.6	53.5	54.1	59.5	41.2	50.4	72	21	37	35	36	77	53	53	.237	.228	.232	3.18	1.26	6.4	6.8	6.0	6.6
March	29.764	30.170	29.340	51.9	61.3	61.7	66.7	49.1	57.9	85	33	44	43	45	76	55	58	.313	.312	.337	5.22	1.33	5.8	7.1	7.0	6.5
April	29.751	30.110	29.330	55.6	66.1	65.1	71.2	51.6	61.4	82	39	48	47	47	76	53	56	.347	.344	.343	9.58	3.40	4.9	5.6	5.2	5.5
May	29.710	30.030	29.360	65.5	76.8	74.5	81.0	61.5	71.2	90	49	57	54	55	74	49	54	.479	.440	.449	2.60	1.01	5.3	5.4	5.1	5.2
June	29.716	29.900	29.540	72.6	80.4	80.0	85.3	69.0	77.2	92	63	68	66	68	86	65	67	.700	.654	.679	15.59	7.81	7.0	7.5	5.9	7.0
July	29.789	29.930	29.610	76.1	86.0	82.1	90.5	72.5	81.5	95	69	71	70	70	85	59	71	.763	.730	.747	3.69	.92	5.1	5.3	5.8	5.5
August	29.781	29.940	29.480	76.5	86.7	81.7	90.4	73.4	81.9	95	70	72	71	72	86	60	74	.785	.761	.788	3.40	2.31	3.2	5.9	7.5	5.8
September	29.763	29.960	29.450	68.6	80.6	77.4	84.7	66.4	75.6	93	51	64	63	64	84	58	66	.609	.603	.623	2.61	1.12	5.1	5.4	4.8	5.1
October	29.873	30.150	29.650	63.1	75.8	71.6	79.2	60.5	69.8	89	46	57	55	58	83	53	63	.502	.475	.503	2.61	1.01	4.4	4.6	3.1	4.3
November	29.954	30.320	29.560	48.2	61.4	58.4	65.5	45.8	55.6	80	28	40	40	40	75	48	52	.273	.280	.274	1.07	.80	4.6	4.9	3.6	4.4
December	29.941	30.180	29.530	42.1	54.3	53.1	59.1	39.5	49.3	71	27	36	38	37	80	55	56	.226	.245	.238	1.96	1.18	4.4	5.3	3.4	4.7
Year	29.830	30.440	29.330	58.7	69.5	67.5	74.1	55.7	64.9	95	11	52	51	52	80	55	60	.455	.443	.453	52.59	7.81	5.1	5.8	5.2	5.5

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	29.022	29.700	28.400	9.4	16.1	15.1	21.6	3.7	12.6	43	−25	7	9	11	90	72	84	0.071	0.079	0.085	0.22	0.10	3.4	6.4	4.1	5.7
February	29.649	29.410	28.650	13.4	21.2	22.7	27.6	10.2	18.9	42	−11	10	12	17	87	66	77	.076	.084	.099	.44	.23	5.2	7.0	5.0	6.4
March	28.973	29.580	28.460	19.8	31.9	32.6	37.2	17.3	27.2	65	−4	17	20	24	87	60	69	.100	.118	.135	.71	.55	6.2	6.1	4.8	5.5
April	28.905	29.420	28.140	29.2	41.8	42.1	47.6	25.6	36.6	77	9	23	24	24	76	50	51	.126	.135	.137	1.37	.39	5.3	6.6	6.1	6.0
May	28.952	29.440	28.520	50.0	69.1	68.4	72.9	45.3	59.1	92	30	36	33	35	60	27	32	.225	.195	.221	.46	.18	4.9	5.6	5.4	5.2
June	28.806	29.070	28.150	54.4	67.8	66.8	71.9	48.6	60.2	85	35	47	47	47	76	52	52	.332	.348	.336	3.13	1.44	5.7	7.8	5.8	6.3
July	28.927	29.220	28.550	53.2	74.8	75.0	79.3	59.3	69.3	89	51	59	59	60	87	59	62	.504	.508	.533	7.17	1.99	4.9	5.7	3.9	4.9
August	28.935	29.250	28.660	59.2	74.1	73.1	78.4	56.0	67.2	96	42	54	55	56	85	54	58	.438	.456	.471	6.42	3.30	4.6	4.6	3.4	4.2
September	28.951	29.310	28.520	46.5	61.0	59.6	65.6	44.0	54.8	83	29	42	43	44	84	54	59	.281	.298	.310	2.23	1.68	5.0	5.7	4.5	5.2
October	28.990	29.589	28.360	38.0	51.4	49.2	56.0	35.4	45.7	79	17	32	33	34	78	52	58	.184	.195	.207	1.01	.67	5.7	5.9	6.7	6.0
November	29.019	29.650	28.129	26.6	37.0	34.4	40.7	23.2	32.0	58	8	23	24	26	87	62	71	.128	.139	.144	.30	.20	5.3	6.3	3.7	5.9
December	28.993	29.520	28.360	19.4	25.8	25.8	30.4	13.9	22.2	46	−15	16	18	19	87	72	83	.101	.111	.112	.44	.19	6.2	6.3	6.5	6.0
Year	28.960	29.700	28.129	35.8	47.7	47.1	52.4	31.9	42.2	96	−25	30	31	33	82	57	63	.214	.222	.232	23.95	3.30	5.2	6.2	5.0	5.6

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	29.927	30.550	28.990	32.7	37.0	33.1	40.5	28.0	34.2	53	14	26	25	26	77	62	76	0.151	0.142	0.152	3.22	1.47	5.5	4.5	3.1	5.7
February	30.024	30.670	29.060	30.1	33.9	31.1	37.6	24.7	31.2	49	10	25	25	25	80	70	78	.146	.146	.146	4.81	1.42	6.3	4.5	4.3	5.9
March	29.840	30.440	29.210	35.2	39.3	35.4	42.5	29.8	36.2	55	19	28	29	30	74	67	80	.162	.170	.172	3.22	.91	5.2	4.8	3.4	5.2
April	29.924	30.534	29.210	43.2	48.7	42.7	49.4	38.0	43.7	62	30	36	35	37	73	66	82	.211	.218	.229	3.44	1.24	4.5	5.1	3.6	5.0
May	29.894	30.303	29.560	52.0	55.8	49.1	58.1	46.1	52.1	69	41	46	46	45	81	73	88	.315	.325	.307	3.13	1.60	5.3	6.3	5.7	6.5
June	29.898	30.150	29.580	60.7	64.4	57.9	66.8	54.5	60.6	77	49	56	56	55	87	76	92	.460	.455	.443	4.34	.98	6.2	6.5	4.7	6.5
July	29.949	30.240	29.710	68.0	71.0	65.1	73.8	61.6	67.7	82	56	64	64	63	87	80	94	.594	.596	.579	3.50	1.92	3.8	6.2	4.9	6.2
August	30.022	30.310	29.630	70.0	74.5	67.4	77.0	64.3	70.6	87	56	66	66	64	88	76	90	.647	.646	.609	.57	.35	5.2	5.1	4.6	5.3
September	30.030	30.370	29.640	62.4	66.3	60.5	68.2	57.0	62.6	80	45	56	54	54	80	69	81	.464	.454	.442	6.98	3.70	6.4	6.0	6.0	6.5
October	30.091	30.550	29.450	55.7	60.9	55.7	61.5	48.8	55.2	75	30	48	47	48	75	63	77	.359	.350	.344	.61	.32	4.3	4.5	2.3	5.0
November	29.958	30.435	29.440	45.2	48.4	45.6	50.9	39.8	45.4	63	22	38	38	38	77	67	76	.243	.243	.249	4.24	1.63	6.6	7.2	4.4	7.3
December	30.049	30.456	29.250	37.7	42.1	38.2	44.4	34.1	39.2	54	21	33	32	32	82	69	78	.196	.187	.187	3.61	1.16	5.6	4.6	3.3	5.5
Year	29.967	30.670	28.990	49.4	53.3	48.3	55.9	43.9	49.9	87	16	43	43	43	80	70	83	.329	.328	.322	41.67	1.70	5.4	5.4	4.2	5.9

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

MODENA, UTAH

[H_b=5,473 ft.; h_t=10 ft.; h_r=2 ft.; h_a=43 ft.]

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 35 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	0.01 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	W.	33	SW.	2	5	7	12	1	1	3	28	2	3	17	11	3	4	3	5	4	0	4	7	0	31	0	0
February	7.9	W.	32	NE.	0	3	10	7	5	4	7	18	4	0	16	8	5	3	2	3	3	0	0	1	0	27	0	0
March	9.1	W.	50	SW.	3	4	7	10	2	2	14	21	2	0	11	11	9	8	5	8	1	0	2	0	0	28	1	0
April	11.7	W.	41	SW.	7	2	10	3	0	2	13	22	7	1	17	10	3	0	0	1	0	0	0	0	0	20	0	0
May	8.6	W.	35	SW.	2	5	5	6	1	6	9	22	8	0	15	15	1	10	6	0	0	2	0	0	0	2	13	0
June	11.3	SW.	48	SW.	6	4	2	4	1	3	26	17	3	0	24	3	3	2	2	0	0	2	0	0	2	0	2	0
July	9.8	SW.	33	S.	1	3	3	3	1	1	24	25	2	0	21	10	0	3	3	0	0	1	0	0	12	0	12	1
August	9.8	SW.	36	NE.	5	1	4	0	2	3	30	18	3	1	26	4	1	6	3	0	0	1	0	0	10	0	10	0
September	9.4	SW.	42	NW.	4	1	4	4	3	6	30	9	3	0	25	5	0	2	1	0	0	0	0	0	0	1	3	0
October	8.5	W.	42	S.	3	5	2	11	1	3	19	20	1	0	17	10	4	3	2	3	1	0	0	0	0	15	0	0
November	8.1	SW.	38	SW.	4	9	2	15	3	1	16	10	4	0	14	10	6	4	1	5	3	0	0	0	0	27	0	0
December	6.9	W.	36	SW.	1	1	6	13	3	4	17	17	1	0	19	8	4	6	3	8	5	0	0	9	0	31	0	0
Year	9.0	W.	50	SW.	38	43	62	88	23	36	208	227	40	5	222	105	39	51	31	33	17	6	6	17	24	180	41	1

MONTGOMERY, ALA.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 35 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.01 inch and 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	SW.	30	W.	0	6	6	3	9	10	11	3	14	0	9	10	12	5	5	0	0	0	3	3	0	10	0	0
February	6.3	N.	22	NW.	0	12	5	7	7	6	6	7	8	0	7	7	15	7	6	1	1	0	0	0	0	5	0	0
March	6.6	N.	23	SW.	0	15	5	6	8	6	8	6	8	0	7	9	15	14	12	0	0	1	1	0	0	8	0	0
April	7.2	S.	24	N.	0	7	7	0	11	17	8	5	5	0	10	8	12	11	10	0	0	1	0	0	0	0	5	0
May	6.1	SW.	25	W.	0	9	7	6	9	3	11	8	9	0	11	12	8	10	7	0	0	0	0	0	1	0	5	0
June	5.8	SW.	31	NW.	0	1	0	2	11	14	17	10	5	0	4	11	15	16	15	0	0	1	0	0	8	0	16	0
July	4.5	SW.	30	NE.	0	5	8	3	4	11	16	11	4	0	6	17	8	12	11	0	0	0	0	0	18	0	13	0
August	4.8	SE.	26	N.	0	5	8	6	13	13	5	7	4	1	4	18	9	12	11	0	0	0	0	0	19	0	17	0
September	4.6	NE.	22	NE.	0	8	14	15	10	3	1	7	0	2	13	6	11	10	8	0	0	0	0	0	5	0	4	0
October	5.2	SE.	18	SE.	0	8	10	16	17	4	0	2	5	0	14	10	7	9	7	0	0	0	0	0	0	0	2	0
November	6.0	N.	23	NW.	0	14	9	7	12	4	3	3	8	0	14	7	9	5	4	0	0	0	0	0	0	1	1	0
December	5.2	N.	26	SE.	0	15	6	13	3	7	1	6	9	2	13	10	8	7	6	1	0	0	1	0	0	7	1	0
Year	5.7	SE.	31	NW.	0	105	85	84	114	98	87	75	79	5	112	125	129	118	102	2	1	3	5	3	51	23	72	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 35 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.01 inch and 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	SW.	36	NW.	1	11	1	0	2	10	17	11	10	0	10	6	15	6	2	14	5	0	0	21	0	30	0	0
February	7.8	N	35	NW.	1	15	4	0	3	12	5	8	11	0	5	11	13	6	4	13	4	0	1	17	0	29	0	0
March	7.2	N.	26	N.	0	18	6	3	5	12	4	3	11	0	12	8	11	7	3	13	7	0	0	15	0	27	0	0
April	9.7	N.	31	NW.	0	21	6	0	3	15	2	1	12	0	6	12	12	7	7	8	5	0	3	4	0	24	1	0
May	7.7	N.	24	SW.	0	23	4	6	5	14	4	3	3	0	12	8	11	7	3	0	0	0	0	0	2	1	2	0
June	6.9	N	22	NW.	0	10	5	5	9	11	7	3	10	0	8	6	16	11	9	0	0	0	0	0	0	0	6	0
July	6.1	N.	46	NW.	1	18	6	2	8	13	4	4	7	0	12	13	6	10	8	0	0	1	0	0	0	0	8	2
August	6.4	S.	24	N.	0	12	4	5	5	20	5	3	8	0	17	6	8	9	8	0	0	2	1	0	5	0	9	2
September	7.3	NW.	25	E.	0	9	5	4	3	16	5	9	9	0	9	11	10	8	6	0	0	0	0	0	0	4	5	0
October	7.5	N	24	NW.	0	13	2	3	4	12	7	7	14	0	8	9	14	4	4	1	0	1	0	0	0	11	1	1
November	7.4	NW.	27	NW.	0	14	1	1	3	10	11	10	10	0	9	10	11	3	1	4	1	0	0	4	0	26	0	0
December	7.7	S.	25	NW.	0	12	4	1	3	20	7	6	9	0	10	9	12	8	5	13	6	0	1	14	0	30	0	0
Year	7.5	N.	46	NW.	3	176	48	30	53	165	78	68	114	0	118	109	139	86	60	66	28	4	6	75	7	182	32	5

NANTUCKET, MASS.

[H_b=12 ft.; h_t=14 ft.; h_r=4 ft.; h_a=30 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	0.01 inch and 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	17.5	W.	54	SW.	11	5	2	0	3	3	14	27	8	0	10	7	14	12	9	9	5	0	1	8	0	19	0	0
February	14.9	W.	42	SE.	5	7	3	3	2	7	8	15	13	0	10	8	11	13	11	8	6	0	4	7	0	22	1	0
March	16.0	W.	43	SW.	11	6	3	5	3	3	12	20	10	0	11	9	11	11	8	6	3	1	9	3	0	22	0	0
April	17.5	SW.	48	NE.	13	6	3	3	2	8	19	13	6	0	12	11	7	11	6	0	0	0	3	0	0	4	1	0
May	12.8	SW.	36	NE.	3	11	11	1	9	6	15	6	3	0	5	13	13	15	10	0	0	0	14	0	0	0	3	0
June	13.8	SW.	36	SW.	3	6	6	3	4	14	18	6	3	0	6	11	13	14	13	0	0	0	20	0	0	0	2	0
July	13.4	SW.	43	NE.	2	3	7	1	3	11	28	6	3	0	7	11	13	12	10	0	0	0	16	0	0	0	5	0
August	11.1	SW.	30	NE.	0	4	15	2	5	5	23	5	3	0	10	10	11	6	4	0	0	0	17	0	0	0	4	0
September	13.3	SW.	48	NE.	5	5	9	6	5	5	12	12	6	0	7	10	13	14	11	0	0	0	4	0	0	0	2	1
October	13.3	SW.	36	SW.	2	2	3	2	7	8	16	12	12	0	11	12	8	9	4	0	0	0	2	0	0	2	1	0
November	14.0	W.	37	SW.	6	6	3	1	1	5	10	18	16	0	3	11	16	11	8	2	1	1	3	1	0	4	1	0
December	13.9	W.	54	NE.	6	5	7	2	5	2	8	17	16	0	12	10	9	12	8	1	0	0	3	1	0	9	0	0
Year	14.3	SW.	54	SW.	67	66	72	29	49	77	183	157	99	0	104	123	139	140	102	26	15	2	96	20	0	82	20	1

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

NASHVILLE, TENN.

[ϕ=36° 10′ N.; λ=86° 47′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.634	30.120	28.850	33.9	42.3	42.2	47.5	31.2	39.4	72	0	27	30	29	77	60	60	0.181	0.195	0.190	2.55	0.79	3.9	4.9	3.9	4.8
February	29.587	29.970	29.140	36.5	44.8	44.3	50.1	33.2	41.6	69	18	31	31	31	79	58	62	.186	.190	.190	2.64	.85	5.7	5.7	5.2	5.6
March	29.442	29.810	28.790	43.2	52.8	52.1	58.6	39.7	48.8	81	27	36	35	36	74	54	57	.223	.226	.228	3.26	1.23	5.5	5.5	5.5	5.5
April	29.408	29.757	28.950	51.0	59.5	59.8	65.0	46.2	55.6	77	33	40	38	37	67	47	46	.264	.247	.239	3.22	.82	6.1	5.7	5.6	6.2
May	29.401	29.720	29.050	60.1	71.5	71.0	76.4	56.4	66.4	87	47	49	47	49	69	45	49	.369	.348	.368	2.89	1.52	4.7	4.9	4.5	4.7
June	29.337	29.660	29.140	68.3	76.1	74.3	79.4	64.0	71.7	90	54	62	62	63	80	63	69	.562	.566	.579	11.64	4.39	7.1	6.8	6.4	7.0
July	29.453	29.670	29.310	74.1	84.3	81.6	88.3	69.7	79.0	93	64	68	67	68	82	58	64	.693	.672	.688	3.62	1.16	4.3	6.0	6.0	5.5
August	29.469	29.640	29.230	73.0	83.9	81.1	87.7	70.1	78.9	92	62	69	68	69	86	59	67	.701	.675	.704	4.62	3.09	3.7	5.9	5.4	5.2
September	29.489	29.650	29.240	59.9	75.5	73.1	79.5	57.5	68.5	90	42	53	51	52	79	44	49	.427	.408	.426	.08	.63	4.0	3.9	3.1	3.9
October	29.555	29.870	29.270	57.1	69.7	67.4	73.6	54.5	64.0	88	38	51	51	52	82	54	60	.405	.410	.422	6.82	3.78	4.9	5.1	3.5	4.7
November	29.603	29.990	29.240	44.2	53.2	51.9	57.3	41.1	49.2	73	21	37	37	38	78	56	61	.236	.238	.251	2.63	.69	5.7	5.4	5.8	5.8
December	29.593	29.880	29.070	36.4	46.9	46.1	52.6	33.0	42.8	71	22	30	31	30	78	54	55	.173	.181	.179	1.38	.84	5.1	4.2	3.4	4.4
Year	29.498	30.120	28.790	53.1	63.4	62.1	68.0	49.7	58.8	93	0	46	46	46	78	54	58	.368	.363	.372	45.95	4.39	5.1	5.3	4.9	5.3

NEW HAVEN, CONN.

[ϕ=41° 18′ N.; λ=72° 56′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.869	30.510	28.770	29.1	35.5	32.6	39.5	25.1	32.3	55	10	22	25	23	72	64	67	0.127	0.145	0.136	1.92	0.78	3.7	5.8	3.5	4.4
February	29.958	30.620	29.130	26.9	33.6	32.6	38.6	23.3	31.0	57	2	21	25	24	76	70	72	.124	.143	.143	4.90	1.48	5.0	5.7	4.1	4.9
March	29.780	30.370	29.100	33.3	39.8	37.5	43.9	29.5	36.7	65	16	25	31	29	71	70	72	.145	.182	.169	2.98	.94	4.8	5.9	3.9	4.8
April	29.842	30.410	29.200	41.8	49.1	47.3	54.6	36.9	45.8	77	28	34	38	37	75	66	68	.205	.236	.227	5.11	1.75	5.3	6.1	4.1	5.1
May	29.808	30.312	29.430	54.4	60.7	56.8	65.5	49.2	57.4	74	41	45	46	48	72	63	74	.307	.332	.342	2.26	.69	5.8	5.5	5.5	5.3
June	29.790	30.083	29.440	62.9	68.9	65.3	73.2	57.9	65.6	84	49	57	59	58	82	72	79	.468	.501	.496	6.09	1.69	6.8	6.3	6.4	5.9
July	29.849	30.174	29.600	71.5	78.4	73.7	82.8	65.6	74.2	92	55	63	64	65	76	64	75	.585	.614	.620	7.86	2.44	4.5	4.8	4.5	4.5
August	29.923	30.240	29.570	71.0	77.4	73.3	81.5	66.4	74.0	96	56	65	67	66	82	72	80	.627	.675	.659	3.51	1.00	6.4	5.5	5.7	5.3
September	29.941	30.256	29.600	58.9	66.6	62.6	69.5	53.9	61.7	84	40	53	56	55	80	69	77	.418	.463	.457	3.85	1.68	5.1	5.7	5.2	5.3
October	30.010	30.430	29.470	51.0	61.0	56.3	64.5	46.4	55.4	87	28	46	53	50	84	75	79	.833	.424	.382	1.38	.66	4.7	4.1	2.4	3.5
November	29.890	30.390	29.420	41.1	47.9	45.6	51.4	37.6	44.5	71	21	36	39	38	80	71	76	.223	.257	.252	3.59	1.98	5.0	6.2	4.5	6.0
December	29.991	30.378	29.100	33.5	41.2	38.4	43.9	30.5	37.2	56	16	26	28	27	72	58	64	.146	.157	.157	1.60	.66	5.2	4.1	4.2	4.7
Year	29.888	30.620	28.770	48.0	55.0	51.8	59.1	43.5	51.3	96	2	41	44	43	77	68	74	.309	.344	.337	45.05	2.44	5.2	5.5	4.5	5.0

NEW ORLEANS, LA.

[ϕ=29° 57′ N.; λ=90° 04′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	30.202	30.600	29.830	47.6	55.7	54.3	59.7	45.3	52.5	77	21	41	43	42	78	62	66	0.291	0.322	0.310	2.29	1.72	4.5	5.8	5.7	6.0
February	30.099	30.470	29.790	49.7	57.7	56.3	61.4	48.3	54.8	74	32	45	44	45	85	63	68	.320	.319	.320	7.63	3.17	6.6	6.7	5.4	6.6
March	29.948	30.360	29.590	60.4	69.8	66.2	72.9	57.3	65.1	86	41	55	53	55	82	57	69	.457	.440	.461	5.42	2.34	5.5	6.1	5.9	6.0
April	29.931	30.300	29.600	60.9	69.9	67.4	73.7	57.5	65.6	85	46	54	55	55	78	61	66	.441	.451	.459	7.47	3.18	5.6	4.9	4.2	5.2
May	29.906	30.110	29.670	70.6	79.6	76.9	83.4	66.7	75.0	91	61	63	59	61	79	53	61	.599	.540	.564	6.48	3.44	3.6	4.1	3.6	3.9
June	29.891	30.060	29.640	77.0	83.6	81.3	87.6	73.0	80.3	93	67	72	69	71	86	63	71	.794	.707	.756	12.68	5.48	4.4	5.9	4.4	5.1
July	29.974	30.140	29.850	79.4	85.4	82.4	90.3	75.5	82.9	96	70	74	72	73	83	64	74	.828	.771	.812	5.81	1.28	4.3	6.5	7.2	6.4
August	29.953	30.090	29.710	80.4	88.1	84.4	91.6	77.9	84.8	97	72	74	75	73	83	61	70	.853	.804	.815	6.61	1.50	3.5	5.7	6.7	5.6
September	29.918	30.070	29.720	73.8	82.1	78.6	84.7	72.1	78.4	92	62	68	68	70	83	64	76	.703	.694	.734	3.85	2.33	6.1	5.8	6.1	5.9
October	30.017	30.250	29.800	69.2	80.3	74.5	82.4	67.4	74.9	91	53	64	63	64	85	57	71	.633	.604	.617	3.36	2.25	3.3	3.8	2.8	3.6
November	30.129	30.500	29.770	55.9	66.1	62.1	69.3	53.5	61.4	83	37	50	44	49	80	55	65	.387	.378	.389	5.10	3.78	5.3	4.5	3.8	4.4
December	30.119	30.370	29.830	49.2	59.0	56.1	62.2	47.2	54.7	76	33	44	46	45	83	64	67	.308	.336	.318	6.06	2.96	4.6	5.3	4.5	5.4
Year	30.007	30.600	29.590	64.5	73.1	70.0	76.6	61.8	69.2	97	21	59	57	59	82	60	69	.551	.530	.546	72.76	5.48	4.8	5.4	5.0	5.3

NEW YORK, N. Y.

[ϕ=40° 43′ N.; λ=74° 00′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.664	30.260	28.580	30.9	35.3	33.6	41.4	26.1	33.8	55	11	20	20	22	60	53	61	0.114	0.117	0.130	1.41	0.52	4.9	4.9	4.5	5.4
February	29.732	30.350	28.920	29.4	34.8	34.6	40.4	25.4	32.9	55	6	21	21	22	69	57	60	.125	.127	.132	4.35	1.37	5.7	5.8	4.2	5.8
March	29.567	30.130	28.924	34.9	40.1	39.9	45.4	31.2	38.3	69	17	24	25	25	63	54	55	.142	.144	.143	2.54	1.01	5.1	5.8	4.0	5.6
April	29.621	30.167	28.990	43.7	49.8	49.1	55.6	39.4	47.5	77	28	32	33	34	63	55	59	.186	.204	.209	4.71	1.32	6.1	6.6	4.4	6.2
May	29.583	30.110	29.200	55.1	62.0	58.4	65.8	51.0	58.4	80	41	41	43	45	63	53	65	.275	.292	.315	1.98	.76	5.6	6.6	5.7	6.6
June	29.560	29.867	29.220	63.6	70.4	66.7	73.6	59.6	66.6	85	53	56	56	57	78	62	71	.462	.464	.483	6.12	1.47	7.7	7.0	6.8	7.2
July	29.637	29.947	29.360	72.1	79.8	75.1	82.9	67.2	75.0	92	61	64	63	63	76	59	69	.596	.597	.594	7.72	2.86	5.3	6.1	5.8	5.9
August	29.710	29.970	29.320	71.7	78.0	74.3	80.8	68.1	74.4	90	61	66	65	67	82	67	77	.639	.636	.648	4.26	1.14	7.5	7.0	5.0	6.8
September	29.727	30.080	29.410	66.8	66.8	64.4	69.8	57.8	63.8	84	43	53	53	54	76	62	71	.426	.431	.447	3.36	1.40	6.2	6.5	4.6	6.2
October	29.800	30.200	29.300	53.5	62.0	58.4	65.7	50.0	57.8	83	31	44	45	47	71	55	66	.319	.336	.353	1.27	.87	4.2	4.0	3.1	4.3
November	29.688	30.151	29.170	43.8	48.8	47.6	52.9	40.3	46.6	71	21	34	36	36	70	62	66	.215	.230	.234	2.16	.97	7.2	7.4	5.6	7.3
December	29.777	30.140	28.950	36.2	41.1	39.9	45.8	33.0	39.4	58	20	28	28	30	71	59	66	.161	.160	.172	.85	.36	5.6	5.7	4.7	5.7
Year	29.673	30.350	28.580	49.6	55.7	53.5	60.0	45.8	52.9	92	6	40	41	42	70	58	66	.305	.312	.322	40.78	2.86	5.9	6.1	4.9	6.1

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

NASHVILLE, TENN.

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

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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: Thunderstorms	Aurora
	Miles		*Mi*																									
January	8.2	W.	42	W.	2	3	7	2	1	12	10	12	15	0	10	13	8	8	6	2	1	1	1	5	0	15	1	0
February	9.1	W.	33	NW.	1	5	3	6	6	6	10	12	10	9	10	7	12	9	8	2	1	0	1	1	0	13	1	0
March	9.4	W.	42	NW.	2	9	2	7	2	10	7	15	10	0	11	8	12	12	8	1	1	2	0	0	0	5	5	0
April	11.5	S.	46	SE.	5	5	11	6	1	8	12	8	9	0	7	10	13	12	11	0	0	0	0	0	0	0	4	0
May	8.4	NE.	36	NW.	1	6	10	8	3	8	6	7	12	2	13	8	10	10	9	0	0	1	1	0	0	0	9	0
June	8.3	W.	35	NW.	2	3	4	6	6	13	11	14	3	0	2	11	17	13	11	0	0	0	0	0	0	0	11	0
July	5.5	W.	36	N.	1	4	7	9	3	9	9	19	2	0	4	21	6	12	8	0	0	1	2	0	12	0	10	1
August	5.7	SW.	33	NW.	1	4	12	10	5	4	22	4	1	0	9	16	6	9	8	0	0	0	1	0	12	0	12	0
September	6.3	NE.	28	NE.	0	3	16	7	4	9	3	13	5	0	13	15	2	2	2	0	0	0	1	0	2	0	0	0
October	7.4	S.	29	S.	0	5	10	7	9	15	5	7	3	1	11	10	10	9	7	0	0	0	2	0	0	0	5	1
November	8.7	W.	34	S.	1	1	1	3	6	13	6	15	14	1	10	7	13	10	9	0	0	0	2	0	0	5	1	0
December	7.6	W.	34	W.	1	6	1	10	11	11	6	14	3	0	13	9	9	7	4	1	0	0	1	0	0	18	0	0
Year	8.0	W.	46	SE.	17	54	84	81	57	118	107	140	87	4	113	135	118	113	91	6	3	5	12	6	26	56	59	2

NEW HAVEN, CONN.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	9.7	SW.	39	SW.	2	6	5	2	2	6	18	16	7	0	12	15	4	8	8	8	2	0	1	9	0	21	0	0
February	8.8	SW.	31	SE.	0	15	4	1	6	6	10	12	4	0	12	8	9	11	10	8	3	0	1	6	0	22	1	0
March	9.0	W.	31	NE.	0	9	13	0	5	4	8	14	9	0	12	11	8	10	8	10	2	0	2	2	0	19	0	0
April	10.5	SW.	38	W.	3	9	11	1	4	8	13	7	7	0	9	15	6	12	10	4	0	0	0	0	0	7	3	0
May	7.8	NE.	27	N.	0	14	12	5	9	8	8	1	5	0	10	11	10	12	10	0	0	0	0	0	0	0	2	0
June	7.7	S.	25	NE.	0	9	11	2	5	9	13	3	3	0	8	12	10	13	13	0	0	0	2	0	0	0	7	0
July	7.3	SW.	36	NE.	1	6	9	0	3	12	20	4	8	0	15	9	7	14	12	0	0	1	0	0	5	0	6	1
August	6.4	SW.	24	NE.	0	6	15	1	5	13	17	3	2	0	12	8	11	15	13	0	0	0	0	0	7	0	5	0
September	7.4	NE.	26	NE.	0	9	20	0	2	5	11	7	6	0	10	13	7	10	8	0	0	0	0	0	0	0	2	0
October	7.2	S.	26	S.	0	10	2	1	2	13	13	3	17	1	16	12	3	6	5	1	0	0	1	0	0	4	0	0
November	7.8	SW.	26	SW.	0	11	5	1	2	6	18	5	12	0	8	10	12	9	7	6	0	0	0	1	0	8	0	0
December	7.6	N.	28	S.	0	16	2	0	2	8	7	16	11	0	14	8	9	8	8	1	1	0	1	2	0	18	0	0
Year	8.1	SW.	39	SW.	6	120	109	14	47	98	161	91	91	1	138	132	96	128	112	33	8	1	8	20	12	99	26	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	Thunderstorms	Aurora
January	5.7	NE.	20	NW.	0	2	17	9	6	5	8	3	10	2	10	5	16	8	4	0	0	0	6	0	0	5	2	0
February	5.9	NE.	24	SW.	0	7	23	5	8	2	6	3	3	1	8	7	14	9	7	0	0	0	5	0	0	1	4	0
March	6.4	SW.	20	N.	0	4	9	7	10	8	14	4	6	0	7	12	12	7	5	0	0	0	3	0	0	0	4	0
April	7.3	SE.	26	SE.	0	4	10	4	14	10	9	4	4	1	13	5	12	7	6	0	0	0	0	0	0	0	6	0
May	5.8	SE.	20	N.	0	5	7	5	14	8	6	4	12	1	14	14	3	5	5	0	0	0	1	0	3	0	6	0
June	5.5	SW.	20	SW.	0	2	1	1	16	17	16	6	0	1	9	14	7	11	10	0	0	0	0	0	7	0	9	0
July	4.0	W.	26	NE.	0	3	1	3	10	7	12	16	9	1	3	18	10	17	13	0	0	0	0	0	17	0	20	0
August	4.2	NE.	22	NE.	0	5	13	8	10	4	8	11	3	0	6	20	5	16	13	0	0	0	0	0	24	0	22	0
September	6.5	NE.	19	NE.	0	5	30	11	4	2	2	5	1	0	8	10	12	10	8	0	0	0	1	0	4	0	7	0
October	5.4	SE.	17	E.	0	2	14	13	16	6	2	5	2	2	15	14	2	10	7	0	0	0	0	0	2	0	8	0
November	5.1	NE.	20	NW.	0	10	16	9	10	2	3	2	8	0	15	6	9	7	7	0	0	0	0	0	0	0	2	0
December	5.4	NE.	20	NE.	0	5	17	9	10	2	5	4	8	2	11	7	13	7	7	0	0	0	3	0	0	0	1	0
Year	5.7	NE.	26	NE.	0	54	158	84	128	73	91	67	66	11	119	132	115	114	92	0	0	0	19	0	57	6	91	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	Thunderstorms	Aurora
January	19.8	W.	72	W.	14	3	1	3	3	4	12	18	18	0	8	15	8	9	5	6	4	0	2	8	0	19	0	0
February	16.6	NW.	49	SE.	11	5	5	1	6	6	10	8	17	0	9	9	11	11	8	6	3	0	3	6	0	22	2	0
March	17.4	NW.	53	NW.	17	8	6	6	3	2	7	10	20	0	7	14	10	11	7	7	2	0	2	0	0	19	1	0
April	18.3	NW.	61	NW.	16	2	8	4	5	9	5	10	17	0	8	10	12	11	10	3	1	0	0	0	0	3	0	0
May	11.6	NW.	42	N.	4	5	7	12	10	9	5	1	13	0	5	14	12	12	7	0	0	0	1	0	0	0	2	0
June	12.6	S.	51	NW.	5	4	7	6	5	12	8	9	9	0	2	15	13	17	13	0	0	0	0	0	0	0	8	0
July	12.3	S.	50	N.	4	7	6	1	1	15	14	9	9	0	6	14	11	14	13	0	0	0	0	0	2	0	14	1
August	10.9	S.	45	S.	1	1	8	4	11	11	11	10	6	0	5	12	14	15	12	0	0	0	0	0	3	0	7	0
September	12.7	NW.	43	NW.	5	6	13	5	3	4	12	6	11	0	7	13	10	11	8	0	0	1	1	0	0	0	3	0
October	14.3	SW.	42	NW.	9	5	2	2	0	16	12	9	16	0	13	15	3	5	4	1	0	0	1	0	0	1	1	1
November	15.5	NW.	48	SW.	11	3	3	4	2	5	12	11	20	0	3	14	13	10	9	2	0	1	1	0	0	4	1	0
December	14.5	NW.	48	SW.	11	7	5	4	1	8	7	15	15	0	10	10	11	7	5	2	1	0	1	2	0	16	0	0
Year	14.7	NW.	72	W.	108	56	71	52	50	101	115	116	171	0	83	155	128	133	101	27	11	2	12	16	5	84	39	2

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

NORFOLK, VA.

[ϕ=36° 51′ N.; λ=76° 17′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	30.618	30.480	29.220	35.9	44.2	42.9	50.4	32.0	41.2	74	12	26	28	28	67	54	57	0.158	0.169	0.175	1.51	0.42	4.9	4.7	4.2	4.6
February	30.035	30.490	29.280	39.6	46.0	44.8	51.5	35.7	43.6	65	25	33	32	34	76	61	67	.200	.199	.208	2.85	.93	4.8	4.9	5.1	5.2
March	29.863	30.420	29.220	44.3	52.1	50.5	57.5	39.7	48.6	82	30	36	35	36	72	54	59	.227	.223	.223	2.73	1.15	5.0	5.4	3.9	5.6
April	29.905	30.440	29.180	52.4	59.7	58.1	66.7	46.6	56.6	80	37	41	40	44	68	51	62	.277	.262	.306	4.24	1.67	5.5	4.4	5.2	5.1
May	29.834	30.400	29.480	60.5	67.7	65.2	73.6	56.0	64.8	91	47	51	49	53	72	55	66	.383	.366	.409	2.14	.62	6.2	5.6	5.8	5.9
June	29.838	30.080	29.560	70.6	77.8	73.2	82.2	65.4	73.8	89	57	63	63	64	78	62	75	.588	.592	.607	7.84	2.19	7.0	6.1	7.5	6.6
July	29.920	30.200	29.670	75.7	83.2	78.1	87.2	70.7	79.0	93	66	69	67	68	79	60	72	.707	.676	.694	4.41	1.25	4.7	4.4	4.4	4.8
August	29.940	30.190	29.470	75.1	83.6	78.2	87.7	71.1	79.4	94	61	69	67	69	82	59	75	.715	.672	.720	2.05	.60	4.7	5.5	5.2	5.0
September	29.943	30.260	29.410	67.2	72.5	68.7	76.6	62.9	69.8	89	50	61	60	62	83	68	79	.573	.557	.565	9.79	3.48	6.3	5.9	5.1	6.0
October	30.081	30.450	29.630	59.7	68.3	63.1	72.0	57.1	64.6	83	39	53	50	54	79	54	73	.424	.397	.444	1.24	.44	4.5	4.0	3.9	4.2
November	30.017	30.480	29.540	47.4	56.2	53.3	60.1	44.5	52.3	77	27	40	40	40	76	55	63	.274	.268	.277	1.92	1.16	5.1	6.2	4.7	5.3
December	30.060	30.430	29.420	40.9	46.5	44.3	51.3	38.0	44.6	65	29	33	34	35	75	64	70	.198	.207	.209	3.85	1.34	5.8	5.8	5.6	5.9
Year	29.955	30.490	29.180	55.8	63.2	60.0	68.1	51.6	59.9	94	12	48	47	49	76	58	68	.394	.382	.403	44.57	3.48	5.4	5.2	5.0	5.4

NORTHFIELD, VT.

[ϕ=44° 10′ N.; λ=72° 41′ 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	28.926	29.666	27.761	16.9	23.0	21.1	29.6	9.6	19.6	45	−14	14	16	16	86	72	78	0.095	0.098	0.100	2.26	0.98	7.2	7.3	7.5	7.3
February	29.049	29.750	28.420	13.6	21.4	20.4	28.1	7.3	17.7	47	−17	10	13	14	84	66	76	.079	.087	.091	1.57	.52	6.6	5.8	6.7	6.5
March	28.868	29.450	28.160	23.2	29.9	27.0	34.7	15.7	25.2	65	−5	19	19	20	83	64	76	.111	.113	.116	2.14	.73	7.0	6.9	7.2	6.9
April	28.961	29.460	28.420	35.2	41.6	37.8	47.1	26.9	37.0	78	5	29	26	28	77	56	69	.165	.147	.160	3.39	.74	7.0	8.1	6.2	7.1
May	28.983	29.450	28.610	50.2	57.4	53.2	61.6	39.7	50.6	77	21	41	40	41	72	58	67	.267	.266	.271	3.27	.67	6.6	7.5	7.2	7.1
June	28.951	29.227	28.520	58.9	65.5	60.2	69.0	47.7	58.4	83	37	54	53	54	85	68	80	.431	.425	.425	2.79	1.03	7.2	7.9	7.3	7.4
July	29.019	29.262	28.720	66.9	74.2	67.7	78.3	54.5	66.4	89	41	62	68	64	86	81	88	.571	.680	.597	1.99	.74	5.1	7.1	6.5	6.6
August	29.105	29.418	28.750	65.9	74.1	67.0	77.9	57.2	67.6	90	42	63	70	64	93	86	92	.593	.737	.613	4.12	1.30	6.2	6.7	6.1	6.8
September	29.110	29.465	28.750	48.9	60.8	52.0	63.8	41.1	52.6	80	26	46	50	49	90	70	89	.327	.388	.357	3.96	2.06	7.0	6.9	6.0	7.3
October	29.129	29.530	28.630	43.2	54.6	46.5	58.9	35.6	47.2	83	14	39	41	40	86	62	78	.258	.288	.270	1.80	.68	6.6	5.8	5.5	6.7
November	29.006	29.431	28.429	31.4	39.2	34.5	43.3	25.1	34.2	64	3	27	29	28	85	67	78	.159	.170	.168	2.24	.59	7.8	7.2	6.7	7.8
December	29.097	29.490	28.110	24.9	31.0	27.1	35.4	18.7	27.0	54	4	21	22	22	85	68	78	.118	.122	.119	1.15	.71	8.3	7.2	6.8	7.6
Year	29.018	29.750	27.761	39.9	47.7	42.9	52.3	31.6	42.0	90	−17	35	37	37	84	68	79	.264	.293	.274	30.68	2.06	6.9	7.0	6.6	7.1

NORTH HEAD, WASH.

[ϕ=46° 16′ N.; λ=124° 04′ 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	29.866	30.170	29.430	44.0	46.4	46.1	49.3	41.0	45.2	59	31	40	41	41	87	83	84	0.253	0.263	0.265	7.43	1.54	7.8	8.2	8.3	8.5
February	29.925	30.290	29.140	43.2	47.3	47.1	50.1	40.8	45.4	62	35	37	39	39	81	73	76	.225	.236	.243	2.61	.86	7.6	7.1	7.2	7.8
March	29.689	30.000	29.010	47.0	50.3	50.1	53.2	44.0	48.6	76	37	42	44	44	84	82	82	.270	.292	.288	7.23	1.21	7.7	8.3	8.2	8.5
April	29.742	30.223	29.010	45.5	50.8	49.4	53.0	43.2	48.1	71	37	40	42	42	83	74	78	.251	.269	.268	5.88	.90	8.4	8.4	8.4	8.7
May	29.823	30.100	29.470	49.7	54.2	54.2	56.2	48.7	52.4	71	44	46	48	48	89	81	81	.318	.338	.339	.58	.26	8.8	7.4	7.4	8.3
June	29.779	29.960	29.510	53.8	57.4	57.4	59.2	52.8	56.0	63	49	50	52	52	89	83	81	.364	.395	.384	1.42	.63	9.9	8.6	8.6	9.2
July	29.803	29.940	29.500	55.5	59.2	59.3	60.8	54.5	57.6	64	52	54	55	54	93	86	85	.411	.434	.426	.77	.40	8.2	7.5	7.1	8.1
August	29.849	30.000	29.614	55.2	58.7	59.0	60.6	53.9	57.2	66	46	54	55	55	95	87	87	.411	.429	.434	.20	.09	8.0	7.1	5.6	7.5
September	29.793	30.000	29.460	53.9	57.5	57.0	59.6	51.5	55.6	87	48	51	52	53	91	84	86	.372	.385	.397	2.13	.85	6.1	5.4	5.5	6.1
October	29.818	30.010	29.080	50.9	53.5	53.0	55.1	48.6	51.8	61	42	49	50	50	93	88	90	.348	.362	.360	4.59	.96	7.0	6.7	7.3	6.7
November	29.849	30.500	29.090	47.0	50.3	49.3	52.7	44.2	48.4	62	38	44	46	46	90	88	90	.293	.317	.314	6.32	1.09	7.0	7.6	7.6	8.0
December	29.865	30.390	29.010	42.7	45.6	44.8	48.6	39.9	44.2	53	33	39	42	41	87	86	88	.242	.264	.263	4.75	.89	6.5	6.5	6.6	6.3
Year	29.817	30.500	29.010	49.0	52.6	52.2	54.9	46.9	50.9	87	31	46	47	47	88	83	84	.313	.332	.332	43.91	1.54	7.8	7.4	7.3	7.8

NORTH PLATTE, NEBR.

[ϕ=41° 08′ N.; λ=100° 45′ W.]

Month	Monthly mean	Maximum	Minimum	8 a. m.	Noon, local time	8 p. m.	Maximum	Minimum	Monthly	Maximum	Minimum	8 a. m.	Noon, local time	8 p. m.	8 a. m.	Noon, local time	8 p. m.	8 a. m.	Noon, local time	8 p. m.	Total	Maximum in 24 hours	8 a. m.	Noon, local time	8 p. m.	Daylight
January	27.154	27.602	26.530	20.7	38.0	32.5	43.2	17.4	30.3	67	−13	17	21	23	84	52	69	0.099	0.119	0.127	0.13	0.09	3.5	4.5	3.5	3.9
February	27.135	27.440	26.670	21.5	39.3	37.0	45.0	18.4	31.7	68	2	17	19	21	82	45	54	.098	.104	.114	.17	.12	4.1	3.6	4.1	4.0
March	27.029	27.370	26.450	29.2	49.3	48.5	54.4	27.1	40.8	83	7	23	25	26	78	42	45	.128	.135	.142	1.40	.70	3.7	5.0	5.8	4.7
April	26.970	27.390	26.500	34.9	55.5	55.4	60.6	32.5	46.6	85	14	26	24	25	68	33	34	.140	.132	.133	.04	.02	5.4	5.6	5.4	5.6
May	27.057	27.410	26.710	52.0	72.6	70.0	75.9	49.1	62.5	96	35	45	43	43	78	40	44	.304	.290	.289	3.62	.90	4.5	4.2	5.9	4.9
June	26.951	27.220	26.450	54.9	68.0	68.0	72.2	52.3	62.2	85	44	50	50	52	84	56	59	.364	.376	.396	4.64	1.21	6.1	5.5	7.7	6.1
July	27.078	27.340	26.740	64.4	80.4	81.1	84.2	62.7	73.4	98	55	60	61	62	87	55	55	.526	.543	.566	5.04	1.88	6.1	3.9	4.4	4.3
August	27.077	27.330	26.730	61.6	83.1	81.4	87.1	60.2	73.6	99	39	55	55	54	79	41	41	.444	.450	.440	.11	.11	3.4	2.4	4.0	2.8
September	27.105	27.430	26.760	48.9	74.0	68.5	77.4	47.4	62.4	98	30	42	40	42	78	32	41	.282	.266	.290	.96	.60	3.9	2.7	3.5	3.1
October	27.098	27.560	26.490	42.2	60.4	56.3	64.9	39.5	52.2	90	24	35	35	35	77	46	52	.209	.209	.214	2.61	1.27	5.2	5.0	4.9	5.0
November	27.148	27.650	26.430	28.9	43.8	39.4	48.2	25.8	37.0	72	11	24	27	28	79	55	64	.128	.150	.155	.99	.64	4.2	4.7	4.3	5.1
December	27.116	27.510	26.690	21.4	34.9	29.9	38.8	17.8	28.3	63	3	17	23	22	82	62	73	.096	.121	.120	.08	.05	3.4	4.6	2.4	4.1
Year	27.076	27.650	26.430	40.0	58.3	55.7	62.7	37.5	50.1	99	−13	34	35	36	80	47	53	.235	.241	.249	19.79	1.88	4.5	4.3	4.7	4.5

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

NORFOLK, VA.

[H_b=91 ft.; h_i=170 ft.; h_r=178 ft.; h_a=205 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: Thunderstorms	Electricity: Aurora
	Miles		*Mi.*																									
January	13.7	W.	50	W.	7	6	7	4	3	9	15	14	4	0	15	3	13	6	6	1	1	0	1	4	0	13	2	0
February	12.2	NE	41	W.	2	5	10	5	7	6	9	12	4	0	13	3	13	13	9	1	1	0	0	0	0	9	1	0
March	13.0	NE.	46	SW.	7	5	8	7	6	9	6	16	5	0	8	12	11	6	5	0	0	0	3	0	0	3	1	0
April	14.2	S.	40	SW.	6	5	8	6	3	18	11	6	3	0	11	8	11	10	7	0	0	0	1	0	0	0	1	0
May	11.2	S.	35	NE.	2	6	11	9	3	14	11	7	1	0	8	10	13	8	7	0	0	0	0	0	1	0	4	0
June	11.6	SW.	46	NW.	5	4	3	8	7	16	15	3	4	0	2	17	11	17	12	0	0	0	0	0	0	0	10	0
July	9.6	S.	45	SW.	3	2	4	3	10	15	18	1	8	1	13	10	8	12	8	0	0	0	0	0	9	0	12	1
August	9.4	S.	39	W.	4	3	2	6	12	21	8	7	3	0	10	13	8	9	8	0	0	0	0	0	12	0	9	0
September	9.6	NE.	53	NE.	2	13	10	7	10	8	6	2	4	0	11	4	15	14	12	0	0	0	0	0	0	0	3	0
October	9.9	S.	29	N.	0	11	9	12	7	14	4	3	2	0	13	13	5	6	4	0	0	0	1	0	0	0	1	0
November	12.8	SW.	38	NW.	4	9	7	0	2	15	10	8	9	0	11	7	12	10	8	1	0	0	1	0	0	4	0	0
December	11.0	NE.	32	NW.	0	16	12	4	8	7	4	7	4	0	10	5	16	12	10	4	2	0	2	0	0	4	0	0
Year	11.5	S.	53	NE.	42	85	91	71	78	152	117	86	51	1	125	105	136	123	96	7	4	0	9	4	22	33	44	1

NORTHFIELD, VT.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	7.4	SW.	33	SW.	1	14	2	0	4	13	18	4	7	0	6	8	17	14	10	18	10	0	0	15	0	28	0	0
February	6.7	N.	26	SW.	0	13	5	0	3	11	18	4	4	0	9	4	16	12	8	21	10	0	0	20	0	27	0	0
March	6.8	N.	33	SE.	1	12	3	2	2	18	14	2	9	0	7	7	17	17	11	17	14	0	0	13	0	28	0	0
April	7.4	S.	35	SW.	1	7	4	2	1	19	11	7	9	0	4	10	16	13	13	14	8	0	0	1	0	24	1	0
May	6.3	S.	22	S.	0	7	14	1	3	19	8	3	6	1	5	10	16	18	13	0	0	0	2	0	0	8	3	0
June	6.0	S.	24	W.	0	10	6	1	4	22	12	2	3	0	0	17	13	13	11	0	0	0	0	0	0	0	2	0
July	5.3	S.	22	SW.	0	13	9	0	4	21	10	1	3	1	1	21	9	13	8	0	0	0	1	0	0	0	5	1
August	5.2	S.	24	SW.	0	16	3	0	5	31	5	0	2	0	4	13	14	14	13	0	0	0	6	0	1	0	6	2
September	4.7	S.	18	SE.	0	11	5	0	2	26	11	4	1	0	3	12	15	12	8	0	0	0	11	0	0	6	4	3
October	4.7	S.	26	SW.	0	11	3	0	2	24	14	1	7	0	6	11	14	12	11	2	1	0	5	0	0	12	1	2
November	5.1	N.	30	SW.	0	15	6	2	1	17	12	2	5	0	2	8	20	14	10	9	5	0	0	3	0	21	0	0
December	5.6	N.	23	SE.	0	15	3	1	3	19	11	3	7	0	2	11	18	9	6	8	8	0	0	10	0	30	0	0
Year	5.9	S.	35	SW	3	144	63	9	34	240	144	33	63	2	49	132	185	161	122	89	56	0	25	62	1	184	22	8

NORTH HEAD, WASH.

[H_b=211 ft.; h_i=11 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	Thunderstorms	Aurora
January	16.5	SE.	50	S.	11	8	0	16	21	11	4	2	0	0	4	1	26	22	18	0	0	0	1	0	0	1	0	0
February	11.3	E.	62	S.	7	10	4	11	17	4	0	8	4	0	4	8	17	17	11	0	0	3	0	0	0	0	0	0
March	17.6	S.	62	S.	14	4	1	8	10	15	14	6	4	0	3	2	26	24	21	0	0	4	2	0	0	0	1	0
April	15.5	S.	54	S.	11	5	1	6	7	13	11	12	5	0	2	4	24	25	22	0	0	4	1	0	0	0	1	0
May	15.7	N.	60	S.	5	33	1	1	3	6	5	8	5	0	1	9	21	7	3	0	0	1	2	0	0	0	0	0
June	10.8	N.	32	N.	0	19	0	2	1	4	8	9	17	0	0	3	27	15	9	0	0	0	0	0	0	0	1	0
July	12.8	N.	37	N.	1	32	1	1	1	7	5	3	12	0	4	4	23	8	5	0	0	0	4	0	0	0	0	0
August	11.0	N.	36	NW.	2	42	0	0	0	1	4	5	10	0	4	8	19	7	2	0	0	0	6	0	0	0	0	0
September	10.2	N.	54	S.	3	27	6	1	2	8	8	4	4	0	9	6	15	12	7	0	0	0	7	0	0	0	0	0
October	13.1	S.	68	S.	8	23	3	2	7	18	6	2	1	0	6	10	15	16	13	0	0	0	6	0	0	0	1	0
November	14.5	SE.	58	S.	11	12	1	5	20	17	2		1	0	4	6	20	16	16	0	0	2	4	0	0	0	2	0
December	15.0	SE.	72	S.	13	8	5	14	17	10	2	5	1	0	10	5	16	16	14	0	0	0	0	0	0	0	1	0
Year	13.7	N.	72	S.	86	223	23	67	106	114	69	66	64	0	51	66	249	185	141	0	0	14	33	0	0	1	7	0

NORTH PLATTE, NEBR.

[H_b=2,821 ft.; h_i=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	Thunderstorms	Aurora
January	5.7	W.	26	NW.	0	9	4	1	3	1	4	26	14	0	16	9	6	2	2	6	2	0	0	5	0	29	0	0
February	6.6	N.	27	N.	0	13	2	2	1	5	7	11	14	3	14	7	8	5	2	7	4	0	2	3	0	27	0	0
March	6.9	N.	24	N.	0	17	2	3	2	4	5	16	13	0	12	11	8	5	4	6	3	1	0	1	0	20	1	0
April	8.2	N.	31	N.	0	13	8	6	6	6	5	5	11	0	8	11	11	2	0	4	0	0	0	1	0	13	0	0
May	6.5	N.	25	NE.	0	9	10	5	7	9	5	9	7	1	14	8	9	13	12	0	0	0	0	0	3	0	8	0
June	5.6	SE.	26	W.	0	9	6	4	12	9	5	5	5	5	7	11	12	19	14	0	0	1	1	0	0	0	13	0
July	4.3	S.	24	NE.	0	7	4	14	13	13	1	3	3	4	16	8	7	14	10	0	0	0	0	0	6	0	15	0
August	5.1	S.	26	N.	0	9	6	1	10	18	6	4	4	4	21	8	2	1	1	0	0	0	0	0	14	0	5	0
September	5.0	SE.	24	N.	0	6	8	3	12	9	3	5	9	5	20	5	5	7	4	0	0	0	0	0	3	1	7	0
October	6.7	N.	21	N.	0	10	8	8	9	7	5	9	6	0	13	7	11	7	6	3	3	0	2	1	0	7	1	0
November	6.2	N.	28	NW.	0	15	5	2	6	4	3	15	10	0	14	4	12	7	4	7	5	0	0	2	0	25	1	0
December	5.9	W.	24	N.	0	5	3	2	3	3	5	30	11	0	16	7	8	2	1	8	2	0	2	7	0	30	0	0
Year	6.1	W.	31	N.	0	122	66	51	84	88	54	138	107	22	171	96	99	84	60	41	19	2	7	20	26	152	51	0

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

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
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	28.885	29.450	28.280	32.3	45.6	43.9	52.3	30.5	41.4	75	2	24	26	28	73	51	55	0.142	0.155	0.165	0.51	0.35	3.0	3.6	2.7	3.6
February	28.828	29.250	28.270	36.2	47.5	45.9	52.4	33.2	42.8	71	16	30	32	32	78	56	61	.183	.193	.198	1.33	.33	4.6	4.9	5.4	4.9
March	28.686	29.130	28.070	43.4	58.5	57.6	64.5	41.7	53.1	88	25	35	34	35	73	43	46	.214	.206	.210	1.75	1.34	5.6	6.2	5.3	5.6
April	28.610	29.050	28.190	48.8	61.5	61.1	66.4	45.9	56.2	85	30	39	38	39	71	47	47	.266	.250	.259	3.68	1.41	6.1	6.4	6.3	6.3
May	28.604	29.120	28.406	61.4	77.0	74.9	80.5	58.8	69.6	98	46	52	53	53	74	47	50	.408	.417	.420	1.92	1.15	4.4	4.5	4.0	4.5
June	28.529	28.900	28.185	68.1	78.8	78.4	83.5	66.0	74.8	96	52	63	64	64	85	61	63	.592	.600	.616	4.21	1.84	5.9	6.8	5.1	5.6
July	28.702	28.870	28.530	72.9	87.0	84.4	90.5	71.3	80.9	98	66	68	67	67	86	53	58	.694	.673	.673	2.86	1.02	5.1	4.7	3.0	4.4
August	28.708	28.890	28.510	72.9	89.1	85.7	92.6	71.4	82.0	100	62	67	66	66	81	47	53	.656	.637	.635	1.98	1.32	4.4	5.1	3.5	4.3
September	28.750	28.970	28.460	61.7	80.3	77.5	84.3	60.9	72.6	95	51	53	53	53	73	40	44	.415	.424	.427	.61	.39	3.4	3.1	2.4	2.9
October	28.742	29.135	28.390	57.3	75.4	70.4	78.9	55.5	67.2	95	39	49	50	49	75	44	51	.373	.382	.367	2.74	1.64	4.4	5.4	3.7	4.4
November	28.852	29.360	28.400	42.7	53.3	49.0	56.7	38.9	47.8	76	28	38	38	38	84	59	67	.251	.248	.241	3.88	2.98	6.2	5.7	5.7	6.0
December	28.842	29.240	28.400	35.0	46.5	43.5	50.8	32.3	41.6	71	21	30	31	31	81	57	63	.170	.177	.178	2.01	1.59	3.7	5.1	4.3	5.0
Year	28.733	29.450	28.070	52.7	66.7	64.4	71.1	50.5	60.8	100	2	46	46	46	78	50	55	.364	.364	.366	27.48	2.98	4.7	5.1	4.3	4.8

OMAHA, NEBR.

[ϕ=41° 16′ N.; λ=95° 56′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	28.932	29.500	28.270	23.5	32.4	33.7	38.1	21.0	29.6	67	−11	18	22	22	77	64	62	0.107	0.127	0.129	0.01	0.01	3.7	4.5	4.5	4.3
February	28.905	29.300	28.440	26.8	34.2	34.4	39.5	23.7	31.6	64	4	21	23	25	78	64	68	.122	.132	.138	.93	.42	4.7	4.5	4.7	4.8
March	28.795	29.180	28.250	35.0	48.0	48.6	53.3	33.1	43.2	84	18	28	28	29	74	48	49	.153	.163	.160	.47	.22	4.3	5.3	4.9	5.0
April	28.737	29.177	28.240	39.6	52.4	53.0	58.2	36.7	47.4	88	19	29	30	27	66	44	41	.176	.176	.152	1.51	.98	5.1	5.1	5.2	5.4
May	28.784	29.238	28.432	57.6	70.2	71.5	75.4	54.8	65.1	92	46	43	44	45	60	43	44	.296	.306	.319	1.97	.79	4.5	5.5	4.2	4.8
June	28.661	28.932	28.250	61.8	71.9	71.3	75.2	59.0	67.1	87	51	54	52	53	77	51	55	.429	.400	.413	5.20	2.26	5.8	5.6	5.3	5.5
July	28.792	29.061	28.550	70.4	82.3	82.3	86.5	67.7	77.1	99	58	63	64	65	78	54	56	.584	.598	.623	6.55	3.86	4.5	4.2	3.6	4.1
August	28.802	29.130	28.430	69.0	80.9	80.6	85.3	66.6	76.0	96	48	63	64	64	82	57	58	.591	.602	.610	3.12	1.00	3.5	4.1	2.4	3.4
September	28.843	29.190	28.420	55.2	70.0	68.6	74.6	53.1	63.8	89	36	47	48	49	74	47	50	.340	.361	.372	2.73	2.04	2.1	3.1	2.3	2.5
October	28.856	29.420	28.320	49.5	61.4	58.8	66.0	46.5	56.2	91	32	41	42	41	75	54	56	.280	.291	.275	3.33	1.75	4.6	4.9	3.5	4.5
November	28.902	29.520	28.240	36.6	44.0	42.6	47.6	33.5	40.6	65	18	31	32	32	79	65	66	.178	.187	.186	2.87	.86	5.6	4.7	4.0	4.9
December	28.896	29.300	28.400	27.7	33.6	33.7	38.1	24.5	31.3	55	9	23	24	25	80	69	69	.125	.136	.137	.40	.25	5.6	5.4	4.1	5.1
Year	28.825	29.520	28.240	46.1	56.8	55.6	61.5	43.4	52.4	99	−11	38	39	40	75	55	56	.252	.290	.293	29.09	3.86	4.5	4.7	4.1	4.5

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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.564	30.280	28.520	24.7	27.3	27.5	34.0	20.5	27.2	47	3	21	22	23	85	79	82	0.119	0.124	0.129	2.17	0.48	8.8	8.9	8.1	8.9
February	29.655	30.355	29.042	21.7	26.1	25.9	31.3	18.4	23.8	46	−6	18	20	22	85	78	83	.109	.116	.122	2.78	.78	8.0	8.2	8.8	8.1
March	29.515	30.100	28.680	28.7	32.3	32.1	36.9	24.2	30.6	68	10	24	25	26	81	74	80	.130	.142	.148	2.82	.65	8.9	8.0	7.3	7.7
April	29.548	30.010	28.970	39.0	44.0	41.9	48.6	33.6	41.1	78	25	32	31	33	76	62	71	.186	.181	.196	2.96	.79	7.0	6.2	5.8	6.0
May	29.557	30.134	29.170	50.6	54.7	53.1	60.4	43.7	52.0	81	34	43	44	43	76	70	70	.285	.302	.283	2.39	1.20	5.0	6.7	6.5	6.1
June	29.495	29.860	29.130	59.8	63.1	63.0	68.4	53.0	60.7	86	42	54	53	54	81	73	73	.426	.419	.423	3.67	.66	6.7	7.1	6.6	6.9
July	29.573	29.920	29.340	68.1	72.8	70.3	77.4	61.9	69.6	92	54	61	61	61	78	68	72	.542	.537	.535	3.62	1.17	5.7	5.5	5.8	5.4
August	29.645	29.940	29.350	69.5	74.7	71.2	77.8	63.8	70.8	90	56	64	63	64	82	69	77	.592	.594	.594	2.66	.60	5.3	5.8	5.1	5.6
September	29.652	30.020	29.270	56.9	63.1	59.2	66.4	51.0	58.7	85	38	50	49	50	77	61	72	.372	.366	.377	2.68	1.28	7.3	5.8	5.4	6.0
October	29.698	30.170	29.310	50.3	55.3	53.5	60.2	45.2	52.7	82	22	43	44	44	78	65	72	.305	.312	.317	3.50	.98	6.6	6.4	5.7	6.4
November	29.610	30.021	29.020	39.6	43.2	41.8	46.7	35.3	41.0	70	20	34	35	35	80	74	78	.206	.215	.217	3.76	1.23	8.4	8.2	8.3	8.3
December	29.713	30.070	28.750	31.4	35.1	33.9	38.8	28.5	33.6	55	11	27	28	28	83	75	78	.149	.156	.157	1.76	.78	8.1	8.9	7.8	8.1
Year	29.603	30.355	28.520	45.0	49.3	47.8	53.9	39.6	46.8	92	−6	39	40	40	80	71	76	.285	.289	.292	34.46	1.28	7.2	7.1	6.8	7.0

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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.694	30.200	29.310	43.3	53.6	53.8	58.4	41.2	49.8	77	12	35	34	37	71	50	54	0.241	0.235	0.256	0.99	0.90	5.7	5.6	3.8	5.4
February	29.615	29.950	29.200	45.1	53.5	54.5	59.0	42.0	50.5	75	28	38	39	40	76	61	61	.250	.255	.267	4.85	2.74	6.7	5.7	5.3	5.8
March	29.445	29.870	29.000	53.0	63.3	64.0	68.9	49.6	59.2	90	36	48	50	48	85	64	59	.359	.383	.356	1.92	.78	5.9	5.0	4.0	4.9
April	29.413	29.770	28.950	54.5	64.8	65.4	70.4	51.1	60.8	85	34	49	50	51	82	63	62	.376	.395	.400	2.68	.98	5.3	5.9	4.7	5.2
May	29.422	29.752	29.120	65.6	79.3	79.3	84.2	62.9	73.6	97	51	59	58	58	80	51	50	.515	.504	.488	.58	.26	3.7	3.4	3.2	3.3
June	29.325	29.540	29.021	72.2	81.3	82.5	87.1	69.3	78.2	93	55	68	68	69	88	66	65	.669	.697	.702	7.07	3.22	6.7	4.2	2.2	4.6
July	29.479	29.650	29.335	75.2	86.0	85.8	91.4	73.3	82.4	95	69	72	70	70	90	60	60	.785	.792	.736	2.81	2.27	4.6	3.9	2.7	3.8
August	29.463	29.610	29.315	75.5	89.4	89.0	94.4	73.9	84.2	98	70	71	68	69	87	51	53	.769	.697	.716	2.45	2.36	2.9	3.1	2.4	2.6
September	29.479	29.690	29.316	66.3	80.6	80.0	85.4	65.0	75.2	93	53	61	60	62	84	52	56	.559	.546	.556	.90	.47	4.1	4.7	3.6	4.2
October	29.527	29.810	29.225	62.9	77.0	74.4	81.9	60.6	71.2	94	42	58	59	58	86	56	60	.520	.524	.518	2.94	5.73	5.2	4.2	2.7	3.9
November	29.645	30.080	29.335	49.6	59.8	58.0	64.2	45.6	54.9	80	31	44	45	45	81	61	67	.316	.335	.336	6.59	.94	5.2	6.3	4.5	5.6
December	29.638	30.020	29.240	41.8	54.2	53.0	59.7	38.8	49.2	76	26	36	37	38	80	54	59	.224	.239	.249	5.56	3.21	2.9	4.4	3.3	3.8
Year	29.512	30.200	28.950	58.8	70.2	70.0	75.4	56.1	65.8	98	12	53	53	54	82	57	59	.468	.452	.465	39.34	5.73	4.9	4.7	3.5	4.4

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

OKLAHOMA CITY, OKLA.

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

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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°: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorms	Aurora
	Miles		*Mi.*																									
January	8.7	S.	30	NW.	0	14	0	1	5	26	2	2	11	1	19	4	8	2	2	2	0	0	4	3	0	16	1	0
February	9.5	S.	30	N.	0	14	5	2	4	17	4	5	6	1	13	6	10	8	6	5	2	0	2	1	0	15	1	0
March	9.2	N.	35	N.	1	16	3	4	10	12	6	2	9	0	9	12	10	4	3	3	1	1	0	0	0	6	4	0
April	11.0	S.	30	N.	0	11	9	1	14	16	1	2	6	0	8	9	13	7	7	1	0	3	0	0	0	4	5	0
May	7.9	S.	27	S.	0	12	4	2	10	18	3	2	10	1	14	7	10	8	5	0	0	0	1	0	3	0	7	0
June	9.4	S.	26	SE	0	6	6	14	11	16	2	1	4	0	7	15	8	12	9	0	0	0	1	0	7	0	13	0
July	7.7	S.	19	N.	0	5	3	4	12	31	3	1	2	1	14	12	5	9	8	0	0	0	0	0	17	0	7	1
August	7.1	S.	32	SW.	0	3	3	6	10	31	2	3	2	2	17	7	7	7	4	0	0	0	0	0	24	0	6	0
September	7.9	S.	20	S.	0	9	5	9	4	29	1	0	2	1	19	8	3	4	3	0	0	0	0	0	8	0	3	0
October	9.0	S.	26	NW.	0	6	5	4	14	21	3	3	6	0	12	13	6	5	5	0	0	0	0	0	7	0	2	1
November	8.7	S.	25	S.	0	12	1	2	2	26	2	1	14	0	11	4	15	9	5	2	1	1	2	0	0	4	2	0
December	9.1	S.	23	NW.	0	12	1	3	10	17	6	3	10	0	12	10	9	8	5	1	1	0	2	0	0	18	0	0
Year	8.8	S.	35	N.	1	120	45	52	106	260	35	25	82	7	155	107	104	83	62	14	5	5	12	4	66	63	51	2

OMAHA, NEBR.

[H_b=1,165 ft.; h_i=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	Thunderstorms	Aurora
January	7.4	NW.	31	NW.	0	8	2	3	1	15	9	2	22	0	13	11	7	1	0	4	0	0	1	9	0	24	0	0
February	8.8	NW.	31	N.	0	7	3	2	2	11	6	5	22	0	12	9	8	7	5	10	7	0	1	7	0	23	0	0
March	7.8	NW.	31	N.	0	13	5	4	7	8	2	5	16	2	12	9	10	4	2	6	1	0	0	0	0	18	0	0
April	9.4	NW.	42	N.	1	16	5	8	4	11	3	3	10	0	10	8	12	5	3	2	2	1	0	1	0	10	1	0
May	6.9	N.	23	N.	0	13	4	7	10	13	2	3	9	1	12	11	8	8	7	0	0	0	0	0	2	0	6	0
June	6.4	N.	26	N.	0	14	2	5	8	11	3	3	14	0	11	9	10	12	11	0	0	1	0	0	0	0	9	0
July	5.4	SE.	32	SW.	0	16	3	5	9	19	1	5	4	0	13	16	2	7	7	0	0	1	1	0	9	0	8	0
August	6.1	SE.	26	N.	0	7	6	7	12	20	3	2	4	1	17	10	4	8	7	0	0	1	0	0	12	0	9	0
September	6.4	S.	33	NW.	1	6	3	2	12	15	8	4	8	2	20	9	1	6	5	0	0	0	0	0	0	0	7	0
October	7.0	NW.	28	NW.	0	9	4	3	8	14	4	4	15	1	15	6	10	8	7	0	0	0	1	0	1	1	3	1
November	8.5	NW.	28	N.	0	8	4	1	2	14	7	6	18	0	12	9	9	8	8	5	4	0	1	2	0	14	1	0
December	7.2	NW.	30	NW.	0	7	1	3	5	16	12	3	15	0	12	7	12	5	2	9	3	0	2	7	0	24	0	0
Year	7.3	NW.	42	N.	2	124	42	50	80	167	60	45	157	7	159	114	93	79	64	36	17	4	7	26	24	114	44	1

OSWEGO, N. Y.

[H_b=335 ft.; h_i=76 ft.; h_r=68 ft.; h_a=91 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	11.9	SW.	38	W.	3	5	1	0	11	14	16	3	12	0	0	4	27	22	15	22	17	0	1	11	0	24	0	0
February	10.9	SE.	30	NW.	0	8	0	0	20	5	9	6	10	0	3	1	25	15	13	20	9	0	0	15	0	27	0	0
March	12.3	NW.	31	SW.	0	7	1	1	9	7	9	12	16	0	4	4	23	22	17	20	15	0	0	12	0	25	2	0
April	10.9	W.	33	N.	1	2	1	6	12	6	8	12	13	0	9	7	14	15	11	12	9	0	1	1	0	15	1	0
May	6.9	W.	22	W.	0	4	2	2	12	6	8	22	6	0	7	12	12	11	7	0	0	0	2	0	0	0	3	0
June	6.7	SE.	19	SE.	0	1	5	6	14	10	10	12	2	0	5	6	19	18	15	0	0	0	3	0	0	0	4	0
July	6.4	W.	20	SW.	0	5	4	2	7	14	14	10	6	0	9	12	10	11	8	0	0	0	1	0	1	0	5	0
August	6.1	S.	23	SW.	0	10	2	2	13	19	2	8	5	1	8	11	12	10	9	0	0	0	0	0	1	0	8	0
September	7.8	S.	23	W.	0	3	3	2	11	21	4	4	12	0	5	16	9	11	9	0	0	1	0	0	0	0	4	1
October	8.9	S.	27	N.	0	3	2	0	11	21	9	5	11	0	8	8	15	15	12	2	0	1	0	0	0	4	0	0
November	9.4	S.	34	W.	1	6	3	3	10	16	7	5	10	0	2	6	22	19	15	10	6	0	0	0	0	11	1	0
December	9.6	S.	31	NW.	0	2	4	0	14	15	10	10	7	0	3	7	21	10	5	13	5	0	0	7	0	19	0	0
Year	9.0	S.	38	W.	5	56	28	24	144	154	106	109	110	1	63	94	209	179	136	99	61	2	8	46	2	125	28	1

PALESTINE, TEX.

[H_b=510 ft.; h_i=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	Thunderstorms	Aurora
January	6.8	S.	27	SW.	0	9	6	3	13	18	1	7	5	0	12	7	12	5	1	0	0	0	0	2	0	6	0	0
February	7.1	N.	27	NW.	0	12	5	10	8	9	1	3	10	0	9	5	15	8	8	0	0	0	0	0	0	4	2	0
March	8.0	S.	25	S.	0	6	15	3	7	17	3	2	9	0	15	6	10	9	6	1	0	0	2	0	1	0	2	0
April	9.6	S.	31	SE.	0	12	5	1	8	26	1	1	6	0	12	5	13	9	7	1	0	0	0	0	0	0	5	0
May	6.8	S.	22	SE.	0	15	2	2	16	20	2	1	4	0	17	10	4	7	6	0	0	0	0	0	5	0	3	0
June	8.4	S.	25	SW.	0	5	2	3	9	34	3	2	2	0	12	11	7	12	10	0	0	0	0	0	12	0	10	0
July	5.6	S.	22	S.	0	1	1	0	11	31	15	3	0	0	19	5	7	8	6	0	0	0	0	0	24	0	6	1
August	5.3	S.	22	SE.	0	7	5	4	9	30	4	2	1	0	21	9	1	3	2	0	0	0	0	0	30	0	5	0
September	5.0	NE.	17	SE.	0	18	18	8	5	9	1	1	0	0	14	7	9	8	5	0	0	0	1	0	9	0	2	0
October	6.1	S.	26	SE.	0	2	15	10	11	13	2	4	4	1	15	10	6	9	6	0	0	1	1	0	8	0	5	0
November	6.2	NW.	25	SE.	0	10	8	6	9	9	4	3	11	0	10	5	15	10	7	0	0	0	2	0	0	1	1	0
December	6.5	S.	24	NW.	0	8	7	9	2	13	6	6	11	0	16	8	7	7	6	0	0	0	2	0	0	5	2	0
Year	6.8	S.	31	SE.	0	105	89	59	108	229	43	35	63	1	172	88	106	92	70	2	0	1	8	2	8	16	43	

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

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	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	29.472	29.950	28.575	28.6	35.3	34.6	41.8	25.0	33.4	68	2	22	24	25	78	63	68	0.132	0.150	0.150	1.46	0.68	6.3	5.8	6.0	6.9
February	29.466	29.900	28.880	32.2	38.8	36.4	43.3	28.4	35.8	63	16	27	26	28	80	69	70	.148	.147	.159	2.73	.48	7.4	7.2	6.6	7.4
March	29.327	29.850	28.680	34.6	45.9	43.3	51.5	31.7	41.6	78	18	29	30	31	80	55	64	.166	.174	.187	3.54	1.60	5.8	6.3	5.9	6.9
April	29.326	29.654	28.900	44.8	54.3	52.7	60.2	40.0	50.1	82	27	34	34	33	68	50	51	.204	.207	.198	3.15	.93	5.8	6.9	5.5	6.9
May	29.328	29.801	28.990	54.9	68.1	65.6	72.9	49.6	61.2	89	39	44	45	45	67	47	51	.300	.320	.321	1.84	.68	4.7	5.2	5.2	5.7
June	29.257	29.510	29.030	64.3	72.2	69.8	76.9	59.6	68.2	89	49	57	58	60	78	62	73	.474	.490	.537	8.63	2.29	7.2	7.7	6.8	7.2
July	29.378	29.700	29.154	70.3	81.4	78.2	86.0	65.9	76.0	94	56	63	63	66	78	54	66	.586	.581	.632	2.61	1.09	4.8	5.1	4.5	5.4
August	29.402	29.600	29.150	69.6	80.8	76.3	85.4	67.2	76.3	93	57	65	65	68	85	60	75	.618	.628	.681	4.75	1.65	5.5	6.3	6.4	6.8
September	29.432	29.680	29.120	56.1	69.7	64.6	73.4	53.6	63.5	89	38	51	50	52	82	52	66	.384	.388	.426	1.67	1.25	4.5	5.4	4.3	5.6
October	29.503	29.882	29.200	51.0	65.9	59.8	70.1	48.2	59.2	87	25	45	47	50	81	52	70	.323	.354	.383	2.18	1.26	4.6	5.6	4.5	6.0
November	29.469	29.820	28.960	41.2	48.6	46.4	52.7	37.6	45.2	75	22	35	36	35	79	63	66	.211	.225	.216	2.88	1.30	8.1	7.6	5.5	8.6
December	29.506	29.810	28.770	30.5	40.5	37.9	46.2	28.1	37.2	62	14	25	27	28	78	59	66	.139	.154	.160	1.59	.69	6.1	5.3	3.9	6.2
Year	29.406	29.950	28.575	48.2	58.5	55.5	63.4	44.6	54.0	94	2	41	42	43	78	56	66	.307	.318	.338	37.03	2.29	5.9	6.2	5.4	6.6

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	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	30.196	30.610	29.760	46.0	52.5	52.1	56.6	43.3	50.0	70	17	39	40	40	76	66	66	0.285	0.308	0.298	0.88	0.45	5.3	6.2	4.6	5.8
February	30.099	30.460	29.708	48.8	55.0	54.6	60.0	46.8	53.4	67	25	44	46	46	83	72	74	.310	.327	.330	7.51	2.99	7.1	6.8	5.8	6.9
March	29.959	30.330	29.620	57.9	63.1	62.4	66.9	55.6	61.2	76	37	52	53	54	82	71	76	.421	.428	.441	4.18	1.87	5.9	6.4	5.7	6.2
April	29.942	30.310	29.510	60.2	65.7	64.7	68.9	57.3	63.1	75	42	55	56	56	82	73	75	.448	.473	.464	8.73	4.94	4.5	4.8	4.1	4.6
May	29.897	30.140	29.560	68.6	74.4	73.2	77.2	66.8	72.0	84	52	62	64	64	81	73	73	.577	.618	.602	3.35	1.41	5.3	5.5	5.2	5.5
June	29.911	30.080	29.730	77.9	79.9	79.0	82.8	74.4	78.6	88	68	71	71	70	89	75	75	.764	.759	.745	4.60	1.55	6.1	6.6	5.7	6.0
July	29.975	30.090	29.850	79.0	83.3	81.7	85.9	76.3	81.1	92	72	73	72	73	82	69	76	.806	.775	.814	6.56	1.59	6.4	6.9	5.9	6.2
August	29.958	30.100	29.650	78.8	84.7	82.3	87.3	76.6	82.0	93	72	73	73	73	82	70	74	.811	.823	.811	7.28	2.71	5.2	6.5	7.2	6.3
September	29.918	30.090	29.610	73.0	79.7	78.2	81.9	72.2	77.0	89	62	67	69	69	81	70	74	.666	.711	.719	6.71	2.55	5.7	5.4	5.2	5.6
October	30.031	30.290	29.840	68.4	75.8	73.7	78.1	67.5	72.8	85	51	62	64	63	81	69	71	.591	.627	.613	4.93	2.97	3.8	4.4	3.1	4.4
November	30.126	30.480	29.764	53.3	62.2	60.3	65.0	51.2	58.1	75	31	47	48	48	80	64	67	.357	.380	.370	1.44	.85	6.0	4.9	3.4	5.3
December	30.116	30.320	29.770	48.7	56.5	55.6	60.0	46.5	53.2	69	28	42	44	44	80	66	66	.295	.316	.309	3.60	1.44	4.7	6.1	4.9	5.4
Year	30.011	30.610	29.510	63.4	69.4	68.2	72.6	61.2	66.9	93	17	57	58	58	81	70	72	.528	.545	.543	59.77	4.94	5.5	5.9	5.1	5.7

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	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	29.450	29.940	28.680	21.7	30.3	28.5	34.5	18.5	26.5	64	−14	19	22	23	90	70	80	0.121	0.134	0.139	0.36	0.24	4.2	4.5	4.7	4.2
February	29.429	29.850	28.880	27.8	35.6	33.5	39.9	24.7	32.3	53	7	24	26	27	86	68	78	.139	.150	.158	1.73	.69	6.3	6.0	5.1	5.2
March	29.330	29.790	28.680	33.2	45.1	42.5	50.3	30.4	40.4	82	14	28	29	31	81	54	64	.164	.168	.185	.96	.29	4.1	4.7	4.0	3.8
April	29.278	29.660	28.740	40.8	53.1	51.5	58.1	37.2	47.6	80	23	34	34	36	75	52	58	.204	.213	.230	2.84	1.08	3.9	5.5	5.4	4.6
May	29.318	29.820	28.950	56.5	71.1	68.4	75.6	51.0	63.3	89	35	45	47	46	70	46	49	.331	.343	.336	3.21	1.49	3.8	4.9	3.2	3.6
June	29.188	29.570	28.840	61.4	71.9	70.1	75.5	58.5	66.0	85	44	56	55	56	83	60	64	.458	.471	.468	6.00	2.01	6.4	7.1	5.7	5.7
July	29.343	29.640	29.150	70.1	82.0	80.1	85.9	65.2	75.6	95	51	65	64	66	84	57	64	.634	.623	.659	4.35	1.85	2.7	3.6	3.8	3.1
August	29.364	29.640	29.050	68.0	81.5	78.1	85.3	64.2	74.8	94	53	64	66	66	86	61	66	.605	.652	.645	3.62	1.47	4.5	3.7	2.6	3.3
September	29.400	29.700	29.030	52.9	69.7	63.6	72.9	49.6	61.2	89	29	50	51	53	88	54	69	.379	.406	.429	3.18	1.26	2.6	3.4	2.3	2.9
October	29.418	29.900	29.020	49.4	63.5	58.5	66.9	47.2	57.0	87	26	46	47	49	87	58	71	.332	.357	.374	3.66	1.18	4.4	4.7	3.6	4.7
November	29.426	29.920	28.880	37.4	46.0	42.8	48.5	34.9	41.7	66	18	34	36	36	87	68	78	.207	.219	.225	3.97	1.66	5.7	6.4	5.8	6.0
December	29.448	29.840	28.920	27.9	35.6	33.3	39.4	24.7	32.0	53	5	25	28	28	89	72	80	.145	.161	.164	2.53	1.12	5.5	5.5	4.8	5.6
Year	29.366	29.940	28.680	45.6	57.1	54.2	61.1	42.0	51.5	95	−14	41	42	43	84	60	68	.310	.325	.334	37.01	2.01	4.5	5.0	4.2	4.4

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	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	29.930	30.470	28.890	32.0	38.4	35.8	43.2	27.9	35.6	61	12	24	27	26	69	63	69	0.139	0.159	0.154	1.91	0.84	5.8	5.2	3.5	5.1
February	29.983	30.630	29.190	31.7	37.3	37.4	42.3	27.9	35.1	59	11	24	27	28	73	65	68	.141	.155	.160	4.00	1.20	5.4	5.9	4.6	5.8
March	29.811	30.280	29.130	37.5	44.6	44.3	49.8	34.3	42.0	75	22	29	31	32	72	62	62	.173	.185	.199	2.10	.75	4.9	6.4	3.8	5.5
April	29.852	30.390	29.110	45.9	53.8	52.3	59.2	41.9	50.6	81	31	37	40	40	70	62	65	.228	.265	.257	5.55	1.56	5.3	6.6	4.1	5.9
May	29.836	30.350	29.420	57.0	63.4	64.2	71.1	53.7	62.4	90	43	47	51	51	72	69	64	.335	.390	.389	2.19	.92	5.6	7.0	6.1	6.2
June	29.783	30.091	29.430	63.6	73.8	70.4	77.2	62.3	69.8	88	57	60	61	61	80	65	73	.523	.554	.540	6.77	1.53	6.5	6.8	7.5	6.7
July	29.856	30.170	29.580	74.1	81.8	78.5	85.3	69.4	77.4	93	64	63	67	68	77	62	71	.659	.671	.684	3.60	1.02	4.1	5.8	4.8	5.0
August	29.915	30.200	29.580	72.9	81.0	77.9	84.6	63.7	77.2	95	59	67	67	68	82	64	72	.639	.672	.691	5.47	2.76	7.2	7.7	5.9	6.5
September	29.941	30.310	29.610	61.8	69.1	63.4	71.7	59.0	65.4	86	44	54	58	55	77	60	69	.449	.432	.464	3.61	1.30	6.5	6.6	4.3	6.3
October	30.034	30.460	29.570	54.3	64.7	60.9	68.0	51.8	59.9	86	36	48	51	52	80	61	72	.358	.392	.409	.73	.61	3.5	4.5	3.1	4.0
November	29.934	30.400	29.410	45.6	52.0	49.7	55.5	42.5	49.0	74	25	39	41	40	78	68	68	.257	.287	.295	1.94	.77	7.5	7.4	4.7	7.0
December	30.025	30.390	29.190	37.4	42.8	41.9	47.1	34.5	40.8	60	21	28	30	31	70	60	66	.165	.172	.185	1.50	.39	5.9	5.8	4.5	5.5
Year	29.906	30.600	28.890	51.4	58.7	56.6	62.9	47.9	55.4	95	11	44	46	46	75	63	68	.340	.361	.366	39.37	2.76	5.7	6.3	4.7	4.8

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

PARKERSBURG, W. VA.

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

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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: Thunderstorms	Aurora
	Miles		*Mi.*																									
January	7.1	SW.	34	SW.	1	3	1	3	11	12	23	6	3	0	9	4	18	9	4	8	3	1	1	9	0	19	0	0
February	6.1	SW.	26	SW.	0	3	3	0	8	5	24	5	10	0	6	4	19	19	12	12	9	0	0	2	0	20	1	0
March	6.7	SW.	30	NW.	0	5	3	1	10	2	21	8	12	0	6	8	17	13	10	11	6	1	1	1	0	20	5	0
April	7.1	SW.	29	SW.	0	5	9	1	16	4	12	3	10	0	7	9	14	11	10	4	1	0	0	0	0	5	1	0
May	4.5	NW.	18	NW.	0	10	4	0	17	4	12	3	12	0	11	6	14	8	6	0	0	0	1	0	0	0	6	0
June	5.1	SE.	24	NW.	0	5	2	1	19	8	16	5	4	0	5	5	20	21	17	0	0	0	0	0	0	0	7	0
July	3.6	SE.	22	NW.	0	5	1	1	18	8	16	7	6	0	11	12	8	10	6	0	0	0	0	0	7	0	13	0
August	3.8	SE.	24	NW.	0	8	3	2	25	8	7	1	8	0	6	9	16	12	9	0	0	0	2	0	8	0	11	0
September	4.2	SE.	23	NW.	0	12	2	0	17	7	11	6	4	1	11	8	11	6	4	0	0	0	4	0	0	0	0	0
October	4.4	SE.	24	NW.	0	2	4	4	24	4	10	3	11	0	10	7	14	6	6	0	0	0	2	0	0	2	2	0
November	6.0	SW.	30	SW.	0	2	5	1	12	7	19	7	7	0	1	7	22	15	11	5	2	0	1	0	0	8	0	0
December	4.1	SW.	24	NW.	0	1	3	4	13	4	20	10	6	1	11	5	15	9	8	3	1	0	1	1	0	23	0	0
Year	5.2	SW.	34	SW.	1	61	40	18	190	73	191	64	93	2	94	84	188	139	103	43	22	2	13	13	15	97	46	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	Thunderstorms	Aurora
January	11.5	N.	43	W.	1	17	12	6	5	6	3	7	6	0	9	6	16	6	5	0	0	0	2	1	0	5	0	0
February	12.1	N.	41	SE.	4	22	7	7	7	2	1	8	4	0	5	9	15	12	8	0	0	0	1	0	0	1	3	0
March	11.6	N.	32	SE.	0	12	11	8	5	6	5	8	7	0	6	14	11	11	8	0	0	0	3	0	0	0	5	0
April	13.9	SE.	38	S.	5	9	4	7	15	11	3	5	6	0	12	9	9	9	8	0	0	0	1	0	0	0	6	0
May	12.2	SW.	37	NW.	2	12	6	4	4	10	12	8	6	0	8	14	9	5	3	0	0	0	0	0	0	0	4	0
June	11.9	S.	36	S.	5	7	1	1	1	20	13	14	2	1	7	11	12	12	10	0	0	0	0	0	0	0	9	0
July	8.7	S.	36	S.	1	8	5	3	1	8	9	19	9	0	6	16	9	18	14	0	0	0	0	0	2	0	18	0
August	9.0	S.	38	N.	2	16	11	8	4	6	4	8	5	0	4	17	10	16	12	0	0	0	0	0	6	0	18	0
September	10.1	NE.	31	S.	0	9	25	9	2	5	2	6	2	0	11	4	15	12	10	0	0	0	0	0	0	0	5	0
October	11.0	NE.	32	SE.	0	13	17	8	9	7	1	4	3	0	14	11	6	8	5	0	0	0	1	0	0	0	7	0
November	12.8	N.	44	S.	1	24	4	17	4	3	1	3	4	0	8	13	9	6	6	0	0	0	1	0	0	1	0	0
December	11.6	N.	35	E.	1	18	15	11	3	3	1	5	6	0	11	6	14	8	5	0	0	0	2	0	0	1	1	0
Year	11.4	N.	44	S.	22	167	118	89	60	87	55	95	60	1	101	130	135	123	94	0	0	0	11	1	8	8	76	0

PEORIA, ILL.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	7.3	S.	28	NW.	0	0	4	2	3	16	12	8	17	0	16	7	8	5	3	7	1	0	2	12	0	25	1	0
February	7.7	NW.	24	W.	0	1	2	4	8	10	7	10	16	0	12	5	12	10	8	7	3	0	3	6	0	23	0	0
March	7.7	NW.	22	NW.	0	10	7	2	7	9	6	11	10	0	16	7	8	8	8	4	3	0	0	0	0	20	2	0
April	8.5	W.	27	W.	0	5	4	5	10	9	4	11	11	1	12	10	8	9	9	5	1	0	0	0	0	10	2	0
May	5.7	S.	16	SW.	0	10	10	6	6	9	6	9	6	0	15	14	2	10	8	0	0	1	0	0	0	0	6	1
June	5.3	NW.	27	SE.	0	2	4	3	7	10	8	11	15	0	7	15	8	14	11	0	0	0	1	0	0	0	8	0
July	3.7	S.	26	NW.	0	7	5	5	8	13	8	8	8	0	18	9	4	9	7	0	0	0	0	0	8	0	8	2
August	4.2	S.	17	S.	0	10	9	0	7	12	4	5	5	1	16	12	3	7	6	0	0	0	0	0	8	0	9	0
September	4.3	S.	19	W.	0	6	2	8	7	12	6	9	8	2	20	6	4	9	6	0	0	0	2	0	0	1	4	0
October	5.1	S.	18	SW.	0	5	7	3	8	21	3	7	8	0	14	7	10	10	7	0	0	0	4	0	0	5	4	0
November	7.0	NW.	24	SW.	0	5	5	4	3	16	4	11	12	0	9	5	16	13	10	4	2	0	0	1	0	12	0	0
December	5.9	S.	30	W.	0	6	3	3	13	10	7	11	9	0	11	7	13	8	7	8	3	0	2	7	0	25	0	0
Year	6.0	S.	30	W.	0	67	62	54	87	147	75	111	125	4	166	104	96	112	90	35	13	1	14	26	16	121	44	3

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	Thunderstorms	Aurora
January	9.4	SW.	29	SW.	0	1	6	2	0	5	27	3	18	0	13	9	9	7	5	4	2	0	0	7	0	19	0	0
February	10.5	SW.	35	NW.	2	5	3	6	5	3	12	5	19	0	10	6	13	10	8	3	3	0	0	5	0	22	0	0
March	11.2	NW.	42	NE.	2	7	9	6	0	4	12	7	17	0	7	14	10	8	7	4	3	0	4	0	0	12	2	0
April	12.3	W.	47	NE.	5	0	10	6	3	5	13	12	11	0	10	9	11	10	9	2	1	0	0	0	0	1	0	0
May	8.6	N.	31	N.	0	15	7	8	5	8	12	4	3	0	8	9	14	13	9	0	0	0	0	0	1	0	4	0
June	8.2	SW.	30	NW.	0	9	4	10	3	2	19	6	6	1	5	14	11	18	14	0	0	0	0	0	0	0	0	0
July	7.6	SW.	28	NE.	0	14	2	2	4	9	21	9	1	0	12	11	8	11	9	0	0	0	0	0	7	0	8	2
August	8.0	SW.	44	NE.	1	11	4	7	6	7	19	5	3	0	4	13	14	12	10	0	0	0	0	0	7	0	4	0
September	9.7	SW.	48	NE.	2	10	12	4	1	6	12	6	9	0	6	11	13	9	7	0	0	0	0	0	0	0	2	0
October	8.7	SW.	29	N.	0	5	3	1	4	12	23	6	7	1	13	11	7	4	3	0	0	0	2	0	0	0	2	0
November	12.5	SW.	41	SW.	3	5	5	0	1	3	19	13	14	0	4	10	16	8	7	3	0	0	0	0	0	2	1	0
December	10.6	NW.	46	SW.	2	8	5	5	3	5	11	7	17	1	10	8	13	7	7	3	2	0	2	0	0	12	0	0
Year	9.8	SW.	48	NE.	17	90	70	57	35	69	200	83	125	3	102	125	139	117	95	19	11	0	8	12	15	68	29	2

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

PHOENIX, ARIZ.

[ϕ=33° 28′ N.; λ=112° 00′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	28.958	29.230	28.536	40.3	63.3	64.1	69.3	37.2	53.2	78	28	29	27	28	64	26	27	0.159	0.148	0.157	T.	T.	1.1	3.5	3.3	3.3
February	28.855	29.180	28.600	44.5	63.7	65.4	69.0	41.2	55.1	81	33	35	31	30	70	33	28	.206	.186	.170	1.33	.69	2.2	3.7	4.0	3.4
March	28.780	29.000	28.500	52.1	74.2	75.4	78.6	49.6	64.1	89	40	35	31	31	54	23	21	.212	.187	.180	.13	.13	2.7	3.5	3.0	3.1
April	28.682	28.980	28.480	54.1	79.3	80.4	83.3	52.2	67.8	98	38	28	24	25	37	13	13	.156	.133	.137	T.	T.	3.2	3.6	4.2	3.4
May	28.652	28.905	28.479	67.1	89.2	91.0	93.7	65.2	79.4	103	58	43	41	38	43	20	17	.280	.264	.237	.03	.03	2.1	2.4	2.7	2.4
June	28.552	28.715	28.316	71.4	95.9	99.2	101.1	70.1	85.6	110	61	40	38	37	33	14	12	.256	.237	.222	0	0	.4	.3	.4	.3
July	28.635	28.840	28.475	79.8	100.4	103.5	105.4	78.2	91.8	112	69	54	52	50	43	22	18	.444	.413	.384	.11	.09	4.2	2.3	3.2	3.0
August	28.676	28.910	28.500	78.0	96.6	98.8	101.4	75.4	88.4	112	65	60	58	56	57	30	26	.541	.503	.465	1.47	.51	4.4	2.8	3.7	3.2
September	28.662	28.870	28.370	73.5	95.4	96.3	100.0	70.5	85.2	109	61	50	50	49	47	24	22	.383	.375	.359	.44	.44	1.6	1.1	1.8	1.2
October	28.731	28.970	28.221	60.2	83.0	81.6	87.1	58.0	72.6	101	43	45	43	46	59	26	29	.310	.294	.315	1.51	1.11	2.8	3.6	3.9	3.1
November	28.864	29.107	28.530	50.7	70.3	67.0	73.8	46.6	60.2	84	33	38	34	39	64	28	36	.236	.210	.243	.16	.08	3.1	3.6	3.5	3.6
December	28.913	29.200	28.499	41.5	60.6	59.7	64.8	38.0	51.4	77	28	32	30	33	68	36	39	.184	.181	.198	1.01	.50	2.4	2.6	3.5	2.4
Year	28.747	29.230	28.221	59.4	81.0	81.9	85.6	56.8	71.2	112	28	41	38	38	53	25	24	.281	.260	.256	6.19	1.11	2.5	2.7	3.1	2.7

PITTSBURGH, PA.

[ϕ=40° 26′ N.; λ= 80° 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	29.150	29.600	28.220	26.8	34.0	31.2	38.0	23.7	30.8	62	2	20	20	21	73	64	66	0.123	0.123	0.131	1.30	0.58	7.4	6.8	6.4	7.1
February	29.171	29.610	28.570	28.8	34.7	33.0	39.4	25.4	32.4	59	6	23	24	25	76	64	72	.130	.137	.146	3.07	.65	8.3	7.7	8.3	7.8
March	29.029	29.590	28.360	33.1	41.0	40.5	46.3	30.9	38.6	75	15	26	28	28	75	61	63	.149	.167	.162	4.25	1.68	7.1	6.6	5.9	6.7
April	29.048	29.440	28.550	42.9	49.7	49.2	54.8	38.4	46.6	80	25	33	34	34	69	57	58	.190	.206	.200	4.05	.93	7.9	8.6	8.6	7.7
May	29.055	29.585	28.690	54.0	64.8	63.5	69.3	48.6	59.0	86	37	44	43	44	69	49	53	.298	.303	.306	1.00	.41	5.6	6.2	4.7	5.4
June	28.983	29.272	28.720	63.1	70.3	68.8	74.0	58.2	66.1	86	46	56	56	56	78	61	67	.461	.459	.471	7.73	1.72	7.7	8.1	7.4	7.6
July	29.102	29.430	28.900	69.5	77.9	76.2	82.2	64.7	73.4	93	55	63	62	64	81	61	68	.587	.579	.598	4.93	1.99	5.6	6.7	5.4	5.6
August	29.141	29.348	28.880	69.2	79.5	75.7	83.4	65.5	74.4	90	57	64	63	64	83	58	68	.601	.592	.609	3.10	1.45	5.7	6.6	4.9	5.7
September	29.154	29.460	28.820	56.0	66.4	64.1	69.5	52.8	61.2	86	35	50	50	49	80	56	60	.376	.376	.360	1.02	.87	4.8	6.0	4.6	5.7
October	29.220	29.590	28.860	51.9	62.4	59.7	66.0	48.1	57.0	83	32	46	46	46	80	56	62	.327	.333	.331	1.22	.86	5.4	5.8	5.6	6.1
November	29.157	29.520	28.640	41.2	46.0	44.6	49.6	38.2	43.9	72	18	35	37	34	80	73	70	.215	.231	.204	1.91	.71	8.4	8.7	7.6	8.3
December	29.215	29.510	28.430	32.2	38.2	38.1	42.7	28.8	35.8	58	10	26	27	27	76	62	64	.146	.151	.154	1.18	.70	6.1	5.9	4.4	5.9
Year	29.119	29.610	28.220	47.4	55.4	53.7	59.6	43.6	51.6	93	2	40	41	41	77	60	64	.301	.305	.306	34.85	1.99	6.7	7.0	5.8	6.6

POCATELLO, IDAHO

[ϕ=42° 52′ N.; λ=112° 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	25.644	26.070	24.910	25.7	31.4	31.3	35.3	22.5	28.9	50	5	21	23	24	82	70	73	0.116	0.125	0.128	0.46	0.15	7.6	7.9	7.9	8.0
February	25.582	25.860	25.130	24.1	32.4	34.7	38.4	21.1	29.8	47	10	19	22	23	78	64	61	.101	.116	.123	.41	.12	4.0	5.3	5.0	5.2
March	25.450	25.710	24.872	33.5	44.2	46.5	50.3	31.3	40.8	70	12	27	29	28	76	58	51	.148	.160	.156	1.59	.54	5.7	5.9	5.9	5.8
April	25.386	25.729	24.990	36.1	48.7	51.4	54.7	33.5	44.1	76	17	24	24	22	60	39	34	.127	.134	.123	.74	.38	5.9	6.3	6.1	6.0
May	25.456	25.690	25.180	50.1	67.7	69.6	73.8	47.4	60.6	86	31	37	38	35	62	36	31	.230	.236	.213	1.53	.92	4.7	4.5	5.2	4.9
June	25.355	25.580	24.954	48.9	66.3	69.0	72.7	47.3	60.0	89	40	37	38	34	66	37	32	.226	.230	.206	1.00	.40	4.5	5.3	4.9	5.4
July	25.470	25.740	25.240	60.2	80.7	84.6	87.7	58.4	73.0	97	42	42	42	38	52	27	21	.268	.266	.232	.29	.16	4.1	3.3	4.5	4.2
August	25.487	25.720	25.263	55.6	76.9	81.2	83.9	53.8	68.8	100	41	33	34	30	45	22	19	.193	.196	.173	.12	.08	2.5	2.4	2.7	2.9
September	25.487	25.740	25.210	49.8	70.1	74.8	78.3	46.4	62.4	89	34	30	33	29	48	27	20	.166	.190	.165	.22	.12	3.7	4.0	4.1	4.7
October	25.495	25.750	25.050	42.0	54.3	55.2	61.9	38.5	50.2	82	30	33	34	32	70	50	47	.188	.200	.188	.97	.52	4.3	4.9	5.5	5.2
November	25.566	26.000	24.950	34.1	40.9	39.6	45.4	30.1	37.8	62	12	27	29	29	75	64	66	.146	.160	.158	1.34	.38	6.2	6.6	6.8	6.7
December	25.598	25.980	25.060	18.9	24.9	25.1	30.5	14.5	22.5	51	−10	14	17	17	82	72	72	.086	.096	.095	1.10	.27	5.4	5.3	5.0	5.5
Year	25.498	26.070	24.872	39.9	53.2	55.2	59.4	37.1	48.2	100	−10	29	30	28	66	47	44	.166	.176	.163	9.77	.92	4.9	5.1	5.3	5.4

PORT ANGELES, WASH.

[ϕ=48° 07′ N ; λ=123° 06′ 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	30.128	30.460	29.640	----	44.3	42.1	45.8	36.8	41.3	56	23	----	39	39	----	82	90	----	0.244	0.244	3.41	0.94	----	8.5	8.1	8.3
February	30.193	30.600	29.474	----	45.7	44.3	47.4	35.6	41.5	54	29	----	37	37	----	74	77	----	.227	.225	.72	.25	----	7.9	7.4	7.3
March	29.914	30.310	29.240	----	49.6	48.7	52.2	38.0	45.1	63	30	----	41	40	----	73	74	----	.256	.254	2.85	.75	----	7.0	7.3	6.5
April	29.966	30.600	29.450	----	51.1	50.7	53.8	39.3	46.6	66	31	----	41	40	----	68	67	----	.253	.247	1.14	.34	----	7.3	8.1	7.5
May	30.060	30.370	29.610	----	59.0	58.7	62.9	44.5	53.7	75	35	----	46	45	----	63	62	----	.312	.306	.29	.21	----	5.0	5.5	5.3
June	29.999	30.210	29.670	----	59.9	62.4	63.1	49.2	56.2	78	40	----	49	49	----	67	67	----	.346	.349	.50	.25	----	6.5	6.8	6.9
July	30.032	30.170	29.750	----	64.9	66.0	68.8	52.3	60.6	88	44	----	53	53	----	66	65	----	.399	.410	.50	.38	----	3.6	3.0	4.1
August	30.079	30.240	29.760	----	63.0	63.1	66.0	49.7	57.8	75	43	----	52	53	----	67	69	----	.389	.398	.12	.12	----	3.5	2.7	3.8
September	30.038	30.340	29.690	----	59.8	58.6	62.3	46.0	54.2	76	39	----	49	49	----	70	72	----	.351	.345	.52	.26	----	3.7	3.7	4.5
October	30.043	30.350	29.250	----	52.1	50.8	53.8	42.7	48.2	63	34	----	46	45	----	81	83	----	.314	.306	3.27	1.05	----	8.0	8.0	7.9
November	30.049	30.690	29.401	----	48.9	46.2	49.9	39.4	44.6	57	33	----	43	43	----	82	88	----	.282	.275	1.92	.75	----	8.2	8.6	8.5
December	30.080	30.680	29.150	----	44.0	40.7	44.5	34.2	39.4	52	25	----	37	37	----	78	85	----	.223	.221	2.85	1.05	----	7.5	8.3	7.9
Year	30.048	30.690	29.150	----	53.5	52.5	55.9	42.3	49.1	88	23	----	44	44	----	73	75	----	.300	.298	18.09	1.05	----	6.4	6.5	6.5

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

PHOENIX, ARIZ.

[H_b=1,108 ft.; h_i=10 ft.; h_r=56 ft.; h_a=82 ft.]

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	0.01 inch and over	Snow: T. or more	0.01 inch or more melted	Haze	Dense fog	Maximum temp. 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorms	Aurora
	Miles		*Mi*																									
January	3.5	E.	15	NE.	0	1	2	22	9	1	4	16	7	0	16	11	4	0	0	0	0	0	0	0	0	7	0	0
February	4.0	E.	32	W.	0	1	3	19	7	4	6	12	6	0	15	9	5	5	3	0	0	0	0	0	0	0	2	0
March	3.8	E.	22	N.	0	4	2	21	3	1	4	14	13	0	20	6	5	1	1	0	0	0	0	0	0	0	0	0
April	5.1	W.	27	N.	0	8	5	17	1	2	2	20	5	0	16	10	4	0	0	0	0	0	0	0	6	0	0	0
May	5.2	W.	26	S.	0	4	1	20	5	1	2	15	14	0	21	8	2	1	0	0	0	0	0	0	21	0	0	0
June	5.1	W.	21	N.	0	8	3	19	3	2	5	14	6	0	29	1	0	0	0	0	0	0	0	0	28	0	0	0
July	5.1	W.	23	N.	0	6	4	17	10	2	1	15	6	1	17	14	0	2	1	0	0	0	0	0	31	0	4	1
August	4.0	E.	43	S.	1	7	4	22	3	3	9	10	4	0	17	12	2	6	4	0	0	1	0	0	31	0	8	0
September	3.5	E.	15	SE.	0	7	3	20	6	5	3	12	2	0	28	1	1	1	1	0	0	0	0	0	28	0	2	0
October	2.8	E.	21	W.	0	4	8	18	9	4	9	5	3	2	17	11	3	5	4	0	0	0	0	0	11	0	4	0
November	3.0	E.	20	SW.	0	4	9	19	6	3	8	9	2	0	15	12	3	2	2	0	0	0	0	0	0	0	1	0
December	2.4	E.	14	SE.	0	4	11	18	6	6	4	8	4	1	21	6	4	5	4	0	0	1	4	0	0	7	1	0
Year	4.0	E.	43	S.	1	58	57	232	68	34	57	150	72	4	232	101	33	28	20	0	0	2	4	0	156	14	22	1

PITTSBURGH, PA.

[H_b=842 ft.; h_i=353 ft.; h_r=345 ft.; h_a=410 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	0.01 inch and over	T. or more	0.01 inch or more melted	Haze	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Aurora
January	12.4	SW.	60	W.	5	1	3	2	3	1	21	27	4	0	4	13	14	10	6	7	3	0	1	12	0	19	1	0
February	11.4	W.	36	SW.	2	5	1	4	5	0	19	17	7	0	4	6	19	16	12	17	10	0	1	8	0	23	0	0
March	11.7	W.	40	W.	6	7	3	3	2	6	11	16	14	0	5	11	15	15	11	14	9	0	1	5	0	21	4	0
April	12.0	W.	45	W.	7	4	5	5	8	7	10	11	10	0	1	10	19	14	11	8	4	0	0	0	0	8	1	0
May	8.1	NW.	28	NW.	0	8	7	4	2	5	9	12	15	0	9	11	11	11	6	0	0	1	0	0	0	0	5	0
June	9.0	SW.	36	NW.	1	2	3	3	4	11	17	11	9	0	3	5	22	20	17	0	0	0	0	0	0	0	8	0
July	7.0	SW.	27	W.	0	6	5	2	3	5	18	16	7	0	9	15	7	11	8	0	0	0	0	0	1	0	9	2
August	7.7	SW.	29	NW.	0	8	6	8	6	3	18	7	6	0	6	14	11	11	10	0	0	0	2	0	0	0	6	0
September	8.8	SW.	31	NW.	0	5	9	7	6	5	14	12	2	0	9	12	9	6	4	0	0	0	3	0	0	0	3	0
October	8.8	SW.	34	NW.	1	4	3	5	4	10	14	13	9	0	7	10	14	10	7	1	0	0	5	0	0	1	2	0
November	10.8	W.	34	W.	3	3	1	3	2	9	15	18	9	0	0	7	23	17	10	9	6	0	3	2	0	6	0	0
December	8.1	SW.	37	W.	1	4	6	5	5	3	20	14	5	0	10	8	13	7	5	8	2	0	9	4	0	20	0	0
Year	9.6	SW.	60	W.	26	57	52	51	50	65	186	174	97	0	67	122	177	148	107	64	34	1	25	31	1	98	39	2

POCATELLO, IDAHO

[H_b=4,477 ft.; h_i=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	0.01 inch and over	T. or more	0.01 inch or more melted	Haze	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Aurora
January	7.9	SE.	30	SW.	0	4	1	4	23	4	14	2	10	0	3	6	22	8	4	12	6	0	3	10	0	28	0	0
February	6.9	SE.	26	SW.	0	4	0	2	23	3	10	3	12	1	10	9	10	9	4	11	8	0	2	3	0	28	0	0
March	8.0	SE.	34	SW.	2	5	0	0	22	2	18	4	11	0	7	10	14	8	7	8	2	2	0	0	0	17	0	0
April	9.1	SW.	28	SW.	0	2	1	0	17	6	27	5	1	1	5	17	8	8	7	10	6	0	0	0	0	17	0	0
May	6.8	SE.	28	SW.	0	4	1	3	23	11	9	3	8	0	9	16	6	7	6	0	0	0	0	0	0	1	8	0
June	7.1	SW.	28	SW.	0	4	1	3	21	2	22	1	4	2	9	13	8	10	8	0	0	1	0	0	0	0	6	0
July	6.4	SE.	30	SW.	0	7	3	0	27	1	16	5	3	0	12	15	4	4	2	0	0	0	0	0	15	0	6	1
August	6.6	SE.	38	SW.	2	7	1	1	27	2	13	8	3	0	21	8	2	2	2	0	0	0	0	0	8	0	3	0
September	6.4	SE.	36	SW.	1	5	1	2	16	4	18	5	9	0	10	13	7	5	2	1	0	0	0	0	0	0	3	0
October	6.8	SE.	36	SW.	1	3	0	4	18	7	13	12	5	0	9	13	9	9	5	5	3	0	0	0	0	3	0	1
November	6.4	SE.	26	S.	0	3	2	7	17	7	11	2	9	2	4	12	14	8	6	7	6	0	0	2	0	14	0	0
December	7.7	SE.	36	SW.	1	1	0	5	22	7	13	3	11	0	12	6	13	13	9	10	12	0	4	20	0	30	0	0
Year	7.2	SE.	38	SW.	7	49	11	31	256	56	184	53	86	6	111	138	117	91	62	71	43	3	9	35	23	138	26	2

PORT ANGELES, WASH.

[H_b=29 ft.; h_i=8 ft.; h_r=3 ft.; h_a=53 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 33 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.01 inch and over	T. or more	0.01 inch or more melted	Haze	Dense fog	32° or below	90° or above	Minimum temperature 32° or below	Thunderstorms	Aurora
January	4.5	SW.	18	W.	0	5	2	2	7	4	7	3	1	0	3	4	24	16	14	1	1	0	4	0	0	6	0	0
February	4.9	S.	27	W.	0	2	3	10	1	1	4	5	3	0	3	10	16	10	6	0	0	0	0	0	0	2	0	0
March	5.2	SW.	30	NE.	0	0	2	7	1	1	2	9	9	0	5	11	15	18	15	1	1	0	0	0	0	4	0	0
April	5.9	SW.	29	W.	0	4	2	3	1	1	3	8	8	0	5	8	17	17	12	0	0	0	0	0	0	2	0	0
May	5.7	SW.	26	W.	0	0	2	4	0	0	1	12	12	0	12	10	9	3	2	0	0	0	0	0	0	0	0	0
June	6.5	NW.	27	W.	0	0	2	0	0	0	1	15	12	0	6	7	17	5	4	0	0	0	0	0	0	0	1	0
July	5.7	NW.	22	W.	0	1	0	4	6	0	0	4	22	0	16	11	4	3	3	0	0	0	0	0	0	0	0	2
August	5.7	NW.	27	W.	0	1	2	1	0	0	0	6	21	0	16	10	5	2	2	0	0	0	0	0	0	0	0	0
September	4.6	SW.	27	W.	0	1	1	6	0	1	2	8	11	0	15	6	9	5	4	0	0	0	1	0	0	0	0	0
October	3.8	SW.	25	W.	0	1	2	7	5	2	3	4	7	0	5	4	22	17	13	0	0	0	0	0	0	0	0	0
November	4.6	SW.	26	SW.	0	1	3	2	5	6	7	3	3	0	1	7	22	13	11	0	0	0	0	0	0	0	0	0
December	5.2	SW.	25	W.	0	0	1	0	7	12	9	1	1	0	5	4	22	14	11	0	0	0	0	0	0	5	0	0
Year	5.2	SW.	30	NE.	0	16	22	45	27	28	39	78	110	0	92	92	182	123	97	2	2	0	5	0	0	19	1	2

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

PORT ARTHUR, TEX.

[ϕ=29° 52′ N.; λ=93° 55′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	30.212	30.650	29.820	46.8	56.7	----	59.7	45.1	52.4	73	18	43	41	----	86	59	----	0.308	0.304	----	0.17	0.07	3.8	5.4	----	5.7
February	30.116	30.450	29.740	49.9	57.4	----	61.6	47.9	54.8	78	32	45	45	----	83	66	----	.319	.325	----	5.64	3.65	6.4	6.1	----	6.4
March	29.945	30.340	29.550	58.2	66.7	----	70.3	55.5	62.9	81	41	55	54	----	89	68	----	.455	.464	----	2.26	1.44	6.6	5.4	----	6.1
April	29.919	30.300	29.540	60.3	67.4	----	70.3	56.8	63.6	81	38	57	58	----	88	73	----	.483	.514	----	4.46	2.46	5.9	4.7	----	5.4
May	29.921	30.190	29.670	70.0	80.7	----	83.0	67.1	75.0	94	54	65	64	----	84	59	----	.632	.610	----	.45	.30	3.0	2.5	----	2.8
June	29.852	30.030	29.550	78.4	83.7	80.7	85.9	74.2	80.0	89	63	72	72	73	83	70	78	.800	.799	.820	5.90	1.59	3.4	4.3	4.1	4.1
July	29.970	30.150	29.870	79.7	87.6	83.7	89.9	76.7	83.3	93	73	74	73	74	84	62	73	.848	.806	.834	5.01	1.37	2.9	3.9	3.4	3.9
August	29.948	30.090	29.770	79.2	88.1	85.1	91.4	77.1	84.2	99	71	75	74	74	87	63	71	.852	.828	.848	4.62	2.14	1.7	3.5	3.4	3.5
September	29.905	30.100	29.760	71.5	81.5	78.1	84.2	70.0	77.1	94	59	67	68	70	87	65	76	.688	.698	.736	4.20	2.41	5.0	5.5	4.5	5.2
October	30.012	30.250	29.730	68.1	78.9	74.6	81.8	66.0	73.9	90	47	66	64	67	88	62	79	.639	.629	.688	2.99	1.74	2.2	3.3	2.3	3.1
November	30.134	30.533	29.810	54.1	64.0	61.2	67.5	52.8	60.2	78	40	50	50	54	88	63	78	.390	.397	.437	4.44	1.26	5.3	4.5	2.4	5.0
December	30.135	30.473	29.760	47.9	57.5	----	62.0	45.5	53.8	75	33	43	44	----	85	64	----	.300	.319	----	3.24	2.12	4.6	4.5	----	5.2
Year	30.006	30.650	29.540	63.7	72.5	----	75.6	61.2	68.4	99	18	59	59	----	86	64	----	.560	.558	----	43.38	3.65	4.2	4.5	----	4.7

PORT HURON, MICH.

[ϕ=43° 00′ N.; λ=82° 26′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.256	29.851	28.202	21.8	26.2	26.0	30.6	18.9	24.8	49	−2	18	20	21	85	78	79	0.109	0.119	0.121	1.15	0.53	6.1	*7.2	7.6	7.1
February	29.328	29.880	28.710	22.5	28.4	26.9	32.1	18.0	25.0	43	0	19	22	21	84	77	78	.109	.127	.120	.65	.26	6.2	7.1	6.0	6.8
March	29.211	29.770	28.450	27.8	35.1	31.5	38.5	23.2	30.8	70	4	23	27	25	81	71	75	.132	.153	.139	2.31	.89	5.8	6.5	6.2	5.9
April	29.213	29.575	28.580	38.5	44.7	42.0	50.3	33.7	42.0	74	23	32	31	32	76	55	68	.190	.189	.192	1.52	.41	5.2	5.7	6.1	5.6
May	29.264	29.814	28.870	51.4	59.2	55.0	63.5	44.5	54.0	84	33	42	42	43	72	57	66	.280	.291	.291	2.29	.75	5.1	5.1	4.3	4.6
June	29.150	29.570	28.830	59.6	66.6	62.4	69.2	52.8	61.0	81	39	53	53	53	80	63	74	.416	.415	.421	5.64	1.67	6.0	6.3	6.9	5.8
July	29.274	29.640	29.060	67.6	75.9	72.3	78.9	61.5	70.2	89	53	60	60	62	79	69	71	.535	.526	.571	2.64	.79	4.2	4.9	4.3	4.1
August	29.332	29.600	29.050	67.0	75.9	70.6	78.8	61.7	70.2	89	51	61	63	63	82	65	78	.551	.588	.586	4.36	1.65	3.5	4.5	4.7	3.6
September	29.333	29.690	28.970	53.7	64.5	59.7	66.7	49.6	58.2	85	32	49	50	50	85	59	70	.365	.378	.378	1.37	.60	4.1	5.5	5.3	4.6
October	29.368	29.810	28.960	48.9	58.4	53.7	61.8	44.7	53.2	85	24	44	46	45	85	64	73	.319	.334	.323	1.70	.53	5.5	5.9	6.4	5.5
November	29.303	29.720	28.710	38.2	42.9	41.3	46.1	35.2	40.6	70	20	33	34	35	83	74	77	.199	.204	.210	2.54	.65	7.7	7.6	8.5	7.4
December	29.379	29.740	28.640	29.3	33.8	31.9	36.5	26.4	31.4	48	9	26	27	27	86	76	82	.142	.152	.152	1.19	.76	7.6	7.4	7.8	7.1
Year	29.284	29.880	28.202	43.9	51.0	47.8	54.4	39.2	46.8	89	−2	38	40	40	82	67	74	.279	.290	.292	27.36	1.67	5.6	6.1	6.1	5.7

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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.785	30.530	28.530	23.6	27.8	27.5	33.2	19.2	26.2	49	−2	16	15	16	72	58	62	0.105	0.097	0.103	2.83	0.84	5.4	4.4	4.7	5.2
February	29.916	30.610	29.210	20.8	26.8	26.3	32.6	16.7	24.6	49	−5	13	14	16	71	58	65	.092	.095	.104	3.94	1.76	5.0	3.8	4.3	4.4
March	29.723	30.340	28.950	28.7	34.9	32.8	38.8	25.3	32.0	52	11	19	21	22	66	57	64	.112	.121	.124	2.79	.87	4.6	5.3	4.4	5.4
April	29.814	30.390	29.230	39.5	44.5	42.0	48.6	33.8	41.2	70	25	30	30	32	69	59	70	.173	.175	.191	4.96	1.28	4.6	4.8	4.6	4.7
May	29.826	30.228	29.410	50.8	53.9	50.1	56.6	44.5	50.6	69	37	42	41	42	74	67	77	.272	.266	.273	4.51	2.31	5.9	6.0	5.9	6.1
June	29.800	30.000	29.370	60.0	63.9	60.1	67.3	52.7	60.0	81	47	51	50	50	75	66	74	.381	.372	.374	3.32	.86	6.7	5.8	5.3	5.6
July	29.837	30.090	29.580	68.2	73.7	69.0	77.2	60.9	69.0	90	55	59	58	59	73	61	72	.505	.496	.504	2.52	.96	4.6	4.1	3.9	4.1
August	29.929	30.240	29.540	67.6	72.6	67.9	76.7	62.0	69.4	95	56	61	62	61	82	70	82	.553	.556	.542	3.52	.96	5.2	5.4	5.0	5.6
September	29.945	30.281	29.520	54.8	61.7	57.5	64.8	49.5	57.2	79	37	49	48	50	82	64	76	.362	.354	.369	3.85	1.10	5.6	5.6	4.5	6.1
October	29.967	30.410	29.330	48.1	54.8	51.8	59.8	42.1	51.0	76	22	41	39	40	78	58	67	.281	.266	.275	2.26	1.04	5.3	5.0	3.5	5.2
November	29.846	30.256	29.180	36.2	42.5	39.5	47.3	32.0	39.6	68	15	28	28	29	71	58	65	.159	.164	.169	1.62	1.16	6.3	5.8	4.4	6.4
December	29.937	30.400	28.960	30.1	36.9	34.3	40.3	26.7	33.5	51	10	24	24	25	75	59	67	.134	.134	.139	3.55	1.37	4.9	4.3	3.8	4.3
Year	29.860	30.610	28.530	44.0	49.5	46.6	53.6	38.8	46.2	95	−5	36	36	37	74	61	70	.261	.258	.264	39.78	2.31	5.3	5.0	4.5	5.3

PORTLAND, OREG.

[ϕ=45° 32′ N.; λ=122° 41′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	30.053	30.360	29.520	36.1	40.6	40.9	43.2	34.0	38.6	59	15	33	34	34	88	76	78	0.193	0.197	0.203	5.11	0.91	6.9	8.4	8.0	8.0
February	30.063	30.410	29.300	39.8	46.7	48.9	50.7	37.7	44.2	60	31	34	35	36	80	65	62	.197	.208	.207	1.19	.28	6.2	6.6	5.4	6.2
March	29.838	30.170	29.200	46.6	53.8	54.7	57.5	44.1	50.8	76	32	40	41	42	80	64	64	.254	.262	.271	7.21	1.66	6.3	6.8	7.9	7.1
April	29.868	30.330	29.150	45.6	54.9	56.4	58.8	43.9	51.4	74	37	40	39	39	82	57	55	.254	.242	.240	4.47	.77	7.5	7.7	7.9	7.8
May	29.885	30.200	29.600	51.9	56.0	72.8	74.1	50.7	62.4	93	40	46	46	45	80	50	39	.307	.310	.304	.74	.32	4.7	5.3	4.6	5.1
June	29.850	30.040	29.527	55.5	64.4	68.1	69.8	54.7	62.2	86	48	50	49	49	82	57	53	.362	.345	.358	.44	.17	7.9	8.0	7.4	7.9
July	29.852	30.010	29.610	59.6	71.7	78.2	79.2	58.8	69.0	99	50	54	54	54	81	55	46	.417	.416	.427	.42	.33	5.4	4.8	3.5	5.0
August	29.896	30.090	29.632	58.0	70.5	77.7	78.3	56.7	67.5	88	52	53	52	52	84	52	42	406	.390	.384	T.	T.	5.4	3.6	3.3	4.6
September	29.871	30.050	29.599	54.7	64.9	69.2	70.2	52.8	61.5	90	43	49	49	50	83	60	53	.355	.353	.364	.65	.50	4.9	5.2	4.4	5.6
October	29.918	30.120	29.380	50.5	57.8	58.9	61.2	48.2	54.7	74	35	46	46	47	88	66	65	.318	.320	.328	1.65	.42	6.4	7.8	6.6	7.4
November	29.958	30.570	29.217	43.7	48.4	49.3	51.9	41.2	46.6	61	31	40	41	42	88	77	76	.252	.258	.265	5.30	1.81	6.2	8.2	7.5	8.5
December	29.991	36.510	29.350	38.0	42.3	42.0	45.2	35.0	40.1	59	25	34	34	34	85	73	74	.200	.200	.199	7.51	2.13	7.7	7.6	7.1	7.6
Year	29.920	30.570	29.150	48.3	56.8	59.8	61.7	46.5	54.1	99	15	43	43	44	83	63	59	.293	.292	.296	34.69	2.13	6.3	6.7	6.1	6.7

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

PORT ARTHUR, TEX.

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

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	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: Thunderstorms	Aurora
	Miles		*Mi*																									
January	7.2	S.	28	N.	0	4	6	5	3	4	1	4	4	0	11	5	15	5	2	0	0	0	5	1	0	4	0	0
February	7.6	NE.	28	NW.	0	3	8	6	3	3	2	0	4	0	9	3	17	9	7	0	0	0	4	0	0	0	4	0
March	8.4	S.	23	SW.	0	3	5	2	4	7	4	2	4	0	10	7	14	9	6	0	0	1	3	0	0	0	2	0
April	9.8	S.	30	NE.	0	6	4	2	5	10	0	2	1	0	12	5	13	9	8	0	0	1	0	0	0	0	4	0
May	8.0	S.	26	S.	0	6	2	3	3	8	6	1	2	0	20	9	2	5	3	0	0	0	0	0	5	0	2	0
June	10.1	S.	42	N.	2	2	2	6	5	28	6	0	1	0	16	10	4	11	10	0	0	0	0	0	0	0	9	0
July	6.0	S.	22	E.	0	2	3	1	4	23	23	2	4	0	16	10	5	13	11	0	0	0	0	0	16	0	12	0
August	5.8	S.	28	SW.	0	8	4	7	3	30	7	0	3	0	19	9	3	7	6	0	0	0	0	0	24	0	16	0
September	6.9	NE.	19	E.	0	10	21	15	5	4	2	2	1	0	12	5	13	9	7	0	0	0	0	0	5	0	3	0
October	5.9	S.	20	N.	0	8	8	12	6	18	4	2	4	0	19	9	3	8	8	0	0	0	1	0	1	0	6	0
November	6.6	N.	24	NW	0	20	2	14	12	5	2	2	3	0	13	6	11	11	10	0	0	0	0	0	0	0	3	0
December	6.0	N.	22	N.	0	9	0	9	2	2	1	3	5	0	11	9	11	9	8	0	0	0	0	0	0	0	1	0
Year	7.4	S.	42	N.	2	81	65	82	55	152	58	20	36	0	168	87	111	105	86	0	0	2	13	1	51	4	62	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	Thunderstorms	Aurora
January	12.2	SW.	44	W.	2	1	1	0	4	5	21	21	9	0	4	10	17	8	6	17	5	0	0	14	0	24	0	0
February	11.3	NW.	31	NW.	0	4	5	1	10	4	12	10	12	0	3	13	13	12	7	17	6	0	2	12	0	26	0	0
March	12.2	NW.	35	NE.	4	6	9	3	1	8	7	16	12	0	6	19	6	13	10	14	10	0	1	13	0	26	2	0
April	12.2	SW.	43	W.	4	6	10	5	3	7	8	12	9	0	9	13	8	11	8	9	2	1	1	2	0	15	4	0
May	7.9	NE.	30	NW.	0	10	16	2	5	7	8	5	9	0	11	15	5	10	7	0	0	0	2	0	0	0	3	0
June	9.1	SW.	32	NW.	0	4	9	7	10	7	11	7	5	0	4	16	10	11	10	0	0	0	0	0	0	0	3	0
July	7.9	SW.	24	NW.	0	10	4	4	5	10	10	10	9	0	13	14	4	9	8	0	0	0	0	0	0	0	6	1
August	7.8	NE.	30	N.	0	5	17	10	4	7	9	3	7	0	13	10	2	12	9	0	0	1	1	0	0	0	8	1
September	9.1	SW.	30	NW.	0	4	8	3	4	8	11	13	9	0	8	16	6	12	7	0	1	1	0	0	0	1	4	0
October	9.8	S.	36	NW.	1	2	2	2	0	19	15	8	14	0	7	18	6	14	11	2	0	2	1	0	0	4	2	0
November	11.3	NW.	37	W.	1	2	5	5	3	7	14	10	14	0	3	9	18	14	8	8	2	0	0	1	0	9	0	0
December	9.1	SW.	31	W.	0	2	1	3	4	17	16	12	7	0	5	7	19	10	6	12	7	0	1	8	0	23	0	0
Year	10.0	SW.	44	W.	12	56	87	45	53	103	142	127	116	0	86	166	114	136	97	79	32	5	9	50	0	128	32	2

PORTLAND, ME.

[H_b=103 ft.; h_t=82 ft.; h_r=75 ft.; h_a=117 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	9.4	W.	40	S.	1	7	5	2	1	4	15	11	17	0	11	8	12	12	11	12	7	0	1	15	0	25	0	0
February	8.8	N.	30	SE.	0	15	4	1	0	3	15	12	8	0	15	5	9	11	6	10	8	0	0	13	0	25	0	0
March	8.6	NW.	33	SW.	1	11	7	2	1	3	7	16	15	0	13	6	12	14	8	14	8	0	2	3	0	26	1	0
April	9.9	NW.	28	S.	0	6	7	3	1	5	15	11	10	2	15	5	10	13	9	5	4	0	1	0	0	14	1	0
May	7.2	E.	25	NW.	0	11	9	14	5	4	12	0	7	0	9	8	14	14	7	0	0	0	4	0	0	0	2	0
June	7.5	S.	24	S.	0	5	8	5	1	13	10	7	9	2	12	6	12	15	10	0	0	0	0	0	0	0	3	0
July	7.0	SW.	23	NW.	0	14	4	3	2	5	18	9	6	1	20	4	7	14	9	0	0	0	3	0	2	0	3	1
August	5.7	S.	22	NW.	0	9	4	7	8	8	11	6	5	4	11	7	13	14	8	0	0	0	9	0	2	0	4	0
September	6.7	N.	24	NW.	0	16	4	3	1	4	14	9	5	4	10	5	15	13	7	0	0	1	3	0	0	0	3	1
October	7.3	SW.	28	NE.	0	10	5	1	0	3	18	13	11	1	13	5	13	12	7	1	0	0	4	0	0	4	0	0
November	7.9	N.	34	NW	1	16	4	2	3	0	11	10	13	1	8	8	14	10	7	5	4	0	2	2	0	17	0	0
December	7.8	N.	26	W.	0	15	1	1	1	3	12	17	10	2	18	3	10	11	10	3	3	0	1	5	0	26	0	0
Year	7.8	W.	40	S.	3	135	62	44	24	55	158	121	116	17	155	70	141	153	99	50	34	1	36	38	4	137	17	2

PORTLAND, OREG.

[H_b=153 ft.; h_t=68 ft.; h_r=62.7 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	Thunderstorms	Aurora
January	4.7	E.	23	SW.	0	4	1	20	7	8	3	1	18	0	1	7	23	18	15	6	3	1	5	2	0	9	0	0
February	4.8	NW.	22	E.	0	3	0	14	11	3	4	4	19	0	7	9	13	12	8	2	0	0	3	0	0	2	0	0
March	6.5	SW.	23	E.	0	7	4	6	10	12	15	3	5	0	6	5	20	22	21	0	0	0	1	0	0	1	0	0
April	6.5	SW.	23	E.	0	2	0	6	6	9	18	11	8	0	3	4	23	23	18	1	0	1	1	0	0	0	1	0
May	5.4	NW.	19	W.	0	7	2	0	4	6	8	2	32	1	12	7	12	4	3	0	0	1	0	0	2	0	1	0
June	4.6	NW.	16	NW.	0	4	1	0	2	11	9	5	28	0	4	5	21	9	4	0	0	0	0	0	0	0	3	0
July	5.2	NW.	16	NW.	0	12	1	1	2	7	2	2	35	0	13	8	10	4	3	0	0	0	1	0	6	0	0	1
August	4.7	NW.	14	NW.	0	7	0	0	1	2	2	2	48	0	12	11	8	0	0	0	0	0	0	0	0	0	0	0
September	4.6	NW.	16	E.	0	4	1	1	5	9	1	5	32	2	10	8	12	5	2	0	0	0	2	0	0	0	1	0
October	4.9	NW.	19	S.	0	1	2	0	10	13	10	3	22	1	4	8	19	13	9	0	0	0	1	0	0	0	0	0
November	4.4	SE.	19	NW.	0	1	3	2	16	10	6	2	18	2	2	2	26	16	15	0	0	1	9	0	0	2	0	0
December	5.3	SE.	17	E.	0	2	0	11	23	9	3	3	11	0	5	6	20	17	12	2	2	0	2	0	0	8	0	0
Year	5.1	NW.	23	E.	0	54	15	61	97	99	81	43	276	6	79	80	207	143	110	11	5	4	25	2	8	22	6	1

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

PROVIDENCE, R. I.

[ϕ=41° 50′ N.; λ=71° 25′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.768	30.420	28.700	30.2	35.6	32.3	39.5	25.2	32.4	57	10	21	20	21	66	51	61	0.126	0.119	0.125	2.27	0.91	3.9	4.1	3.9	4.0
February	29.872	30.540	29.050	27.0	33.3	31.6	37.4	21.2	29.3	54	0	18	19	20	67	55	63	.114	.123	.126	2.85	1.13	4.9	5.0	4.9	4.9
March	29.692	30.270	29.000	33.2	40.0	36.3	43.9	28.5	36.2	61	15	22	24	25	62	54	63	.126	.142	.143	2.64	.91	4.3	5.3	3.4	4.8
April	29.765	30.340	29.160	42.5	49.8	45.9	54.2	36.7	45.4	81	26	31	31	33	66	51	63	.189	.186	.200	3.69	1.26	5.7	5.5	4.3	5.1
May	29.748	30.190	29.340	53.9	60.5	55.5	64.2	47.4	55.8	79	40	43	42	42	69	55	64	.283	.282	.278	1.18	.34	6.5	6.1	5.4	6.2
June	29.732	29.983	29.400	63.0	69.1	63.8	72.4	56.1	64.2	84	49	54	53	55	75	62	76	.430	.425	.445	3.70	.99	6.5	6.3	6.3	6.4
July	29.785	30.082	29.540	72.4	78.9	72.9	82.5	64.6	73.6	93	56	62	62	64	73	59	74	.576	.577	.593	5.00	2.66	5.6	5.4	5.6	5.3
August	29.866	30.154	29.490	71.8	79.8	72.6	81.8	64.7	73.2	95	54	64	63	65	78	69	78	.614	.598	.631	4.03	2.85	6.4	5.5	5.0	5.4
September	29.880	30.200	29.510	59.5	66.7	60.9	69.3	53.0	61.2	82	40	51	51	53	76	59	76	.397	.396	.425	3.25	1.40	5.2	5.7	5.2	5.6
October	29.925	30.360	29.340	52.4	62.1	55.6	64.2	46.2	55.2	87	27	43	43	44	70	51	67	.303	.315	.328	3.63	2.04	3.8	2.3	2.7	3.4
November	29.806	30.260	29.300	41.1	47.7	44.5	52.0	36.5	44.2	72	20	32	32	33	70	55	64	.195	.196	.203	2.13	.94	4.9	5.3	5.3	5.5
December	29.904	30.300	29.030	33.8	40.6	37.5	44.0	30.4	37.2	58	16	26	28	28	72	60	66	.147	.157	.158	2.87	1.65	5.1	4.5	3.7	4.6
Year	29.812	30.540	28.700	48.4	55.3	50.8	58.8	42.5	50.7	95	0	39	39	40	70	56	68	.292	.293	.305	37.24	2.85	5.2	5.2	4.6	5.1

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	25.348	25.680	24.850	24.9	45.4	41.9	51.0	18.5	34.8	71	−14	16	16	17	68	35	39	0.090	0.094	0.097	0.01	0.01	2.9	2.9	2.5	3.2
February	25.310	25.610	24.840	23.3	42.0	42.1	48.1	19.0	33.6	65	7	16	19	19	74	41	42	.099	.099	.100	.51	.19	3.7	4.0	4.1	3.9
March	25.233	25.522	24.690	33.6	50.1	51.5	56.8	30.0	43.4	76	5	23	24	25	66	42	42	.123	.129	.133	1.41	.56	4.3	5.1	6.3	5.1
April	25.167	25.530	24.790	35.4	56.9	58.2	62.2	33.2	47.7	80	15	24	20	20	63	26	26	.130	.107	.110	.29	.24	4.0	5.0	6.2	4.9
May	25.310	25.640	25.040	49.9	67.7	66.0	72.2	47.5	59.8	91	38	42	40	40	76	41	45	.272	.251	.256	3.56	1.81	5.0	5.8	6.8	5.9
June	25.179	25.450	24.740	54.8	72.5	74.4	78.4	52.7	65.6	92	44	48	44	43	78	39	37	.343	.301	.291	1.47	.65	4.5	4.2	4.4	4.1
July	25.345	25.590	25.030	61.0	84.1	81.7	88.5	59.5	74.0	98	52	51	44	46	70	29	34	.377	.315	.330	1.06	.66	3.7	3.6	5.7	4.4
August	25.358	25.560	25.120	58.8	82.1	80.0	87.0	57.8	72.4	98	51	46	43	45	63	28	32	.312	.287	.306	.49	.15	3.2	3.7	5.4	4.0
September	25.352	25.670	25.057	50.8	76.2	75.0	81.4	47.7	64.6	92	38	35	34	35	59	24	26	.212	.199	.209	.12	.11	1.4	2.3	3.2	2.3
October	25.319	25.640	24.830	41.6	62.5	60.2	66.7	38.5	52.6	87	26	28	31	30	62	37	39	.157	.175	.169	.15	.06	4.4	4.3	4.5	4.4
November	25.361	25.760	24.830	29.1	46.8	42.6	50.7	23.9	37.3	73	−1	21	26	26	73	49	55	.115	.138	.143	1.19	.57	3.6	3.9	4.0	3.9
December	25.336	25.730	24.960	22.9	40.5	34.4	44.2	17.2	30.7	71	2	15	20	20	72	45	56	.083	.105	.107	.21	.14	1.3	1.9	1.4	2.1
Year	25.302	25.760	24.690	40.5	60.6	59.0	65.6	37.1	51.4	98	−14	30	30	30	69	38	39	.192	.183	.188	10.47	1.81	3.5	3.9	4.5	4.0

RALEIGH, N. C.

[ϕ=35° 45′ N.; λ=78° 37′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.731	30.190	29.040	35.0	45.7	44.4	52.3	32.7	42.5	75	8	28	32	33	74	59	64	0.170	0.207	0.220	0.86	0.30	5.0	4.2	3.9	4.5
February	29.728	30.120	29.060	37.5	47.5	46.6	53.4	34.0	43.7	67	22	31	35	36	77	63	68	.185	.216	.222	3.23	1.55	5.0	6.7	4.2	5.8
March	29.566	30.070	29.070	43.4	53.8	53.2	60.0	39.8	49.9	79	29	36	42	41	75	60	66	.225	.236	.276	2.58	.85	5.7	6.0	3.5	5.4
April	29.600	30.140	28.980	51.4	61.3	59.5	67.3	46.3	56.8	80	32	44	53	51	77	77	76	.303	.430	.390	5.50	1.41	5.3	5.5	5.5	5.7
May	29.533	30.080	29.170	60.7	71.0	68.0	75.8	55.6	66.2	91	43	53	62	60	76	74	76	.411	.520	.526	4.24	1.54	6.4	5.3	5.7	5.5
June	29.541	29.780	29.280	70.8	80.2	75.6	84.1	65.5	74.8	95	54	64	65	65	81	61	72	.609	.623	.624	6.06	2.04	6.5	6.4	6.2	6.6
July	29.624	29.900	29.400	75.1	84.3	79.5	88.2	70.5	79.4	95	64	69	68	69	82	59	73	.713	.691	.723	2.31	.82	6.0	5.5	5.9	5.6
August	29.653	29.880	29.140	74.7	84.0	78.3	87.6	69.6	78.6	95	61	71	70	71	88	65	80	.753	.749	.757	10.41	2.65	4.9	7.1	5.8	6.3
September	29.634	29.920	28.990	63.3	71.9	68.4	75.6	59.6	67.6	89	47	60	60	62	89	69	80	.534	.536	.564	11.92	3.45	4.8	6.3	4.6	5.9
October	29.773	30.130	29.360	58.2	69.2	64.4	72.9	55.2	64.0	84	36	53	52	55	83	56	73	.434	.425	.459	1.44	.58	5.3	4.7	4.0	4.7
November	29.738	30.180	29.320	45.8	58.0	52.7	61.8	42.5	52.2	76	23	39	41	40	76	56	63	.250	.287	.276	.54	.22	3.9	4.9	3.4	4.4
December	29.751	30.080	29.150	38.6	47.4	45.8	53.0	35.6	44.3	64	25	33	35	34	79	62	66	.194	.217	.210	1.48	.68	5.2	5.8	4.7	5.8
Year	29.656	30.190	28.980	54.5	64.5	61.4	69.4	50.6	60.0	95	8	48	51	51	80	64	71	.399	.436	.437	50.57	3.45	5.3	5.7	4.8	5.5

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	26.663	27.200	26.044	23.6	34.3	28.6	37.8	17.9	27.4	69	−19	13	20	18	63	57	64	0.089	0.112	0.107	0.18	0.05	4.5	5.1	6.2	6.1
February	26.672	26.913	26.280	21.4	35.7	32.0	40.7	16.4	28.6	64	−8	12	18	18	65	49	56	.078	.102	.101	.22	.16	2.3	3.5	4.4	3.5
March	26.561	27.010	26.020	30.7	44.7	44.1	48.7	26.0	37.4	76	10	20	24	24	64	45	48	.111	.123	.130	.89	.41	4.8	5.3	6.3	5.6
April	26.503	26.923	25.958	33.3	46.9	48.5	52.2	29.1	40.6	76	9	21	27	27	66	49	46	.113	.154	.146	.92	.28	5.3	5.4	5.2	5.1
May	26.620	27.010	26.270	53.2	67.2	66.8	71.2	48.5	59.8	87	33	38	41	41	60	42	43	.239	.266	.265	1.94	.60	4.6	5.7	5.7	5.6
June	26.496	26.780	25.970	52.3	62.7	62.9	67.7	48.4	58.0	82	41	44	48	49	74	61	63	.289	.338	.355	6.15	2.15	5.5	6.9	7.3	6.7
July	26.630	26.900	26.270	62.5	76.2	76.9	80.6	59.2	69.9	92	53	54	57	58	75	53	53	.421	.475	.482	2.80	.88	2.6	3.5	5.5	4.1
August	26.619	26.875	26.290	60.1	77.1	78.9	82.6	56.9	69.8	98	44	48	51	50	66	43	39	.339	.382	.367	.42	.23	4.3	3.1	3.6	3.5
September	26.649	27.003	26.200	50.5	67.1	65.4	71.7	46.2	59.0	95	29	36	39	39	61	38	42	.220	.245	.250	1.72	1.22	4.3	3.2	4.7	3.9
October	26.655	27.080	26.080	40.3	55.0	51.2	58.5	35.3	46.9	84	23	28	32	32	64	47	51	.156	.180	.180	.68	.52	4.3	5.2	5.3	5.2
November	26.672	27.180	26.970	33.5	44.3	38.2	48.5	27.2	37.8	72	14	22	28	26	63	55	61	.120	.158	.137	.78	.30	5.0	4.6	4.3	4.9
December	26.616	27.050	26.173	26.8	38.8	31.3	42.7	18.8	30.8	66	−1	16	20	18	60	49	57	.088	.109	.095	.10	.05	3.2	3.7	3.5	4.0
Year	26.613	27.200	25.958	40.7	54.2	52.1	58.6	35.8	47.2	98	−19	29	34	33	65	49	52	.189	.221	.218	16.80	2.15	4.3	4.7	5.2	4.8

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

PROVIDENCE, R. I.

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

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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: Thunderstorms	Aurora
	Miles		*Mi.*																									
January	11.6	NW.	48	S.	7	3	1	1	3	6	17	11	29	0	16	8	7	12	11	7	3	0	0	11	0	21	0	0
February	11.2	NW.	44	SE.	3	4	5	0	3	6	14	3	23	0	11	10	8	10	7	8	4	0	0	10	0	24	0	0
March	12.1	NW.	46	NW.	5	4	4	2	5	5	11	3	28	0	13	7	11	11	9	12	4	0	1	2	0	21	0	0
April	13.1	NW.	52	NW.	6	3	6	1	4	9	13	0	24	0	9	14	7	15	9	2	0	0	0	0	0	8	2	0
May	10.0	NW.	36	NW.	2	12	8	2	8	10	6	0	16	0	9	8	14	12	8	0	0	0	0	0	0	0	0	0
June	9.7	NW.	32	NW.	0	1	8	6	7	11	13	0	14	0	7	9	14	15	13	0	0	0	0	0	0	0	2	0
July	8.5	NW.	30	NW.	0	7	3	1	4	7	21	1	18	0	12	8	11	10	7	0	0	0	0	0	5	0	5	2
August	7.0	SW.	26	NW.	0	6	8	4	8	8	14	1	12	1	10	10	11	11	8	0	0	0	0	0	6	0	4	0
September	8.9	NW.	35	NW.	2	4	10	1	3	8	11	1	22	0	10	10	10	10	7	0	0	1	0	0	0	0	3	1
October	9.6	NW.	31	NW.	0	5	1	1	0	7	20	2	25	1	16	11	4	9	6	0	0	0	1	0	0	4	0	1
November	10.1	NW.	42	NW.	5	10	2	3	0	4	14	2	25	0	10	11	9	8	6	7	1	0	0	1	0	11	0	0
December	10.7	NW.	58	NW.	4	12	1	0	5	5	7	3	29	0	14	8	9	11	9	3	1	0	0	2	0	17	0	0
Year	10.2	NW.	58	NW.	34	71	57	22	50	86	161	27	256	2	137	114	115	137	100	39	13	1	2	26	11	100	16	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	Thunderstorms	Aurora
January	5.8	NW.	31	W.	0	10	4	13	9	3	1	5	15	2	18	10	3	1	0	0	0	0	1	2	0	30	0	0
February	5.0	SE.	22	NW.	0	11	7	10	16	1	2	1	10	0	14	11	4	7	4	7	7	0	0	3	0	26	0	0
March	5.9	NW.	31	W.	0	8	9	9	9	5	1	9	12	0	10	13	8	6	6	7	4	0	0	0	0	19	1	0
April	7.4	E.	28	NW.	0	16	5	11	8	2	3	4	11	0	10	15	5	2	2	3	2	0	0	0	0	13	0	0
May	5.6	NW.	32	NW.	0	7	6	10	11	3	3	4	17	1	5	18	8	16	13	0	0	1	0	0	1	0	6	0
June	6.6	E.	32	W.	0	6	13	11	12	2	6	4	5	1	14	13	3	9	6	0	0	3	1	0	3	0	8	0
July	5.6	N.	25	W.	0	15	4	10	4	1	5	6	16	1	12	17	2	7	4	0	0	0	0	0	12	0	13	1
August	5.3	SE.	30	NW.	0	13	1	12	8	3	7	8	9	1	13	15	3	7	5	0	0	0	0	0	9	0	8	0
September	5.8	NW.	40	NW.	1	9	4	12	6	2	3	6	18	0	22	7	1	2	2	0	0	0	1	0	4	0	2	0
October	5.6	NW.	30	SW.	0	11	4	14	12	3	1	2	14	1	16	5	10	6	1	0	0	0	1	0	0	5	0	0
November	4.7	NW.	44	NW.	1	11	7	6	10	2	0	9	13	2	13	13	4	6	4	4	4	0	0	2	0	24	0	0
December	5.1	NW.	37	NW.	2	8	6	7	5	3	2	10	20	1	23	7	1	3	2	4	3	0	1	3	0	30	0	0
Year	5.7	NW.	44	NW.	4	125	70	125	110	30	34	68	160	10	170	144	52	72	49	25	20	4	5	10	29	149	38	1

RALEIGH, N. C.

[H_b=376 ft.; h_t=103 ft.; h_r=94 ft.; h_a=110 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	7.9	NW.	39	W.	1	5	7	2	1	4	16	14	13	0	17	5	9	5	5	2	0	0	1	3	0	14	0	0
February	7.0	SW.	34	NW.	1	7	11	6	3	1	15	8	7	0	10	8	11	11	9	2	0	0	1	0	0	13	0	0
March	8.1	NW.	35	SW.	1	5	10	4	4	7	7	14	11	0	12	8	11	8	7	0	0	0	3	0	0	3	2	0
April	8.7	SW.	33	NW.	1	5	13	5	3	6	16	6	6	0	10	8	12	11	10	0	0	0	0	0	0	1	4	0
May	6.8	SW.	23	NE.	0	3	15	6	2	4	19	8	4	1	9	13	9	12	8	0	0	0	0	0	1	0	7	0
June	7.3	SW.	31	SW.	0	3	7	2	4	8	28	3	5	0	4	15	11	14	12	0	0	0	0	0	4	0	10	1
July	5.8	SW.	21	S.	0	3	4	7	5	11	22	6	3	1	7	18	6	9	9	0	0	0	1	0	11	0	9	0
August	5.2	SW.	29	SW.	0	0	6	6	10	9	14	15	1	1	5	16	10	13	12	0	0	0	2	0	11	0	13	0
September	5.5	NE.	33	NE.	1	13	13	6	9	3	7	6	2	1	9	7	14	10	10	0	0	0	6	0	0	0	1	0
October	5.3	NE.	22	NW.	0	7	14	10	3	8	11	0	5	4	11	12	8	6	4	0	0	0	3	0	0	0	3	0
November	7.2	SW.	23	NW.	0	6	6	2	1	4	18	6	16	1	13	9	8	7	3	0	0	0	1	0	0	4	0	0
December	5.7	NE.	30	SW.	0	14	13	3	4	4	5	8	8	3	10	8	13	8	5	4	2	0	4	0	0	11	0	0
Year	6.7	SW.	39	W.	5	71	119	59	49	69	178	94	81	12	117	127	122	114	94	8	2	0	22	3	27	46	49	1

RAPID CITY, S. DAK.

[H_b=3,259 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 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	Thunderstorms	Aurora
January	6.2	NW.	30	NW.	0	14	4	2	6	4	2	14	16	0	5	13	13	4	3	11	4	0	1	10	0	25	0	0
February	8.0	N.	29	N.	0	20	4	2	3	2	0	14	13	0	17	7	5	3	3	6	3	0	0	7	0	29	0	0
March	7.1	N.	29	N.	0	18	4	5	7	3	1	13	11	0	9	10	12	9	7	12	8	0	0	4	0	23	0	0
April	8.2	N.	32	N.	0	20	5	2	7	9	2	6	9	0	9	15	6	8	7	8	7	0	0	3	0	17	1	0
May	7.0	N.	39	S.	0	16	2	2	10	6	2	13	8	3	9	10	12	12	10	0	0	0	0	0	0	0	3	0
June	6.5	N.	30	NW.	0	10	7	5	3	10	1	10	10	4	4	13	13	19	17	0	0	4	0	0	0	0	12	0
July	5.5	W.	36	NE.	1	9	8	3	10	5	5	15	3	4	15	12	4	14	9	0	0	2	0	0	2	0	16	0
August	6.5	N.	30	N.	0	17	2	3	4	13	2	15	5	1	16	10	5	4	2	0	0	0	0	0	9	0	6	0
September	6.8	N.	35	NW.	2	9	5	3	9	8	1	15	10	0	16	7	7	3	3	1	0	0	0	0	2	2	0	0
October	7.1	N.	28	NW.	0	13	5	1	3	6	4	16	13	1	9	12	10	4	3	3	2	0	1	1	0	13	0	0
November	5.9	W.	30	NW.	0	10	5	1	2	4	1	16	20	1	11	10	9	5	3	4	3	0	0	2	0	22	0	0
December	7.1	NW.	34	N.	2	8	3	4	2	4	1	17	23	0	15	11	5	5	1	7	5	0	1	6	0	31	0	0
Year	6.8	N.	36	NE.	5	164	54	33	66	74	22	164	141	14	135	130	101	90	68	52	32	6	3	33	13	162	29	0

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

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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.677	30.208	28.680	29.6	35.8	33.1	40.6	25.7	33.2	58	1	21	23	22	70	60	63	0.124	0.131	0.125	3.10	1.08	6.4	4.7	3.8	4.9
February	29.735	30.310	28.960	28.7	34.5	35.0	40.1	24.7	32.4	56	9	23	26	28	78	70	75	.133	.147	.162	4.30	1.21	6.6	5.9	5.6	5.4
March	29.567	30.130	28.850	35.1	41.2	41.6	47.5	32.0	39.8	76	20	28	28	31	74	60	67	.156	.162	.181	2.92	1.13	5.7	6.0	4.1	4.8
April	29.608	30.120	28.920	44.3	52.4	51.3	58.0	40.1	49.0	81	29	32	33	34	61	51	56	.188	.202	.212	5.95	.22	5.9	6.0	4.9	5.3
May	29.573	30.126	28.255	56.5	66.0	63.0	71.3	50.8	61.0	89	41	43	42	45	63	46	55	.297	.295	.318	2.76	1.54	4.8	6.2	5.5	5.3
June	29.546	29.854	29.230	65.1	71.9	68.9	76.1	59.6	67.8	89	50	57	55	59	76	58	72	.479	.450	.509	6.18	1.59	7.0	7.0	7.1	6.6
July	29.625	29.921	29.360	72.5	81.2	77.2	85.4	66.5	76.0	93	56	64	63	65	75	56	68	.600	.587	.633	5.64	1.25	4.1	6.1	5.4	5.1
August	29.683	29.940	29.360	71.9	80.2	76.0	84.1	67.3	75.7	94	58	65	64	67	80	61	74	.635	.621	.661	4.82	1.96	7.0	7.0	7.1	6.3
September	29.708	30.080	29.350	59.1	67.6	63.7	71.1	55.3	63.2	88	41	51	50	54	75	56	73	.392	.389	.447	3.19	1.07	6.4	6.9	4.4	5.8
October	29.794	30.180	29.360	51.8	62.7	58.3	67.3	48.3	57.8	85	31	43	44	48	74	51	70	.304	.316	.368	1.81	1.26	4.3	5.5	3.5	4.7
November	29.692	30.150	29.190	43.1	50.3	47.4	54.2	40.2	47.2	77	23	35	36	38	73	58	69	.216	.224	.241	2.03	.71	8.1	7.5	4.2	7.5
December	29.783	30.140	28.930	33.4	40.8	38.5	45.5	30.7	38.1	59	18	27	27	30	77	58	70	.151	.150	.171	.76	.36	7.4	5.8	4.5	5.7
Year	29.666	30.310	28.680	49.3	57.0	54.5	61.8	45.1	53.4	94	1	41	41	43	73	57	68	.306	.306	.336	42.86	2.22	6.1	6.2	5.0	5.6

RED BLUFF, CALIF.

[ϕ=40° 10′ N.; λ=122° 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	29.900	30.160	29.430	39.2	45.9	51.4	51.9	37.7	44.8	67	23	36	40	40	89	79	69	0.218	0.251	0.258	2.37	1.27	4.2	5.1	5.0	6.2
February	29.795	30.160	29.150	43.0	55.3	60.8	61.6	40.6	51.1	73	33	36	42	40	79	62	51	.221	.268	.253	2.66	1.29	2.9	3.7	3.9	3.8
March	29.681	29.960	29.300	49.1	61.2	64.8	66.3	47.1	56.7	86	35	40	50	47	88	69	57	.308	.368	.324	3.78	1.10	4.6	5.0	5.2	5.3
April	29.655	29.900	29.260	48.5	65.0	69.6	70.5	46.8	58.6	88	35	43	49	45	82	57	43	.282	.349	.305	1.24	.70	2.9	3.3	3.2	3.2
May	29.541	29.840	29.315	59.9	79.1	85.9	87.3	58.0	72.6	100	45	47	52	47	65	41	28	.336	.415	.342	0	0	2.0	1.4	2.0	1.7
June	29.474	29.610	29.230	63.4	81.8	89.3	89.9	62.0	76.0	105	49	43	47	43	51	33	22	.287	.336	.281	.13	.09	.8	1.1	.8	1.2
July	29.482	29.650	29.300	66.0	90.4	98.4	99.3	63.8	81.6	106	53	53	55	51	64	31	21	404	.435	.377	0	0	.4	.5	.8	.7
August	29.514	29.670	29.342	64.9	89.7	98.4	98.5	62.1	80.3	112	55	50	51	45	59	29	17	359	.387	.302	0	0	.2	.3	.5	.5
September	29.535	29.810	29.280	58.9	81.2	89.6	90.6	56.2	73.4	104	47	43	48	44	59	34	24	.283	.342	.298	T.	T.	.7	1.5	2.2	2.0
October	29.626	29.820	29.320	51.2	69.7	76.6	77.8	45.8	63.3	94	40	42	46	46	72	45	38	.271	.326	.319	.14	.08	1.9	2.1	2.5	2.8
November	29.767	30.160	29.190	44.1	56.4	60.8	61.9	41.5	51.7	77	33	40	45	44	87	67	58	.257	.302	.293	5.75	2.01	3.6	4.6	4.7	5.4
December	29.828	30.140	29.320	36.4	46.9	50.8	52.6	34.0	43.3	69	24	33	37	38	89	72	65	.195	.227	.233	2.87	.91	3.8	5.3	4.5	5.2
Year	29.650	30.160	29.150	52.0	68.6	74.7	75.7	49.9	62.8	112	23	43	47	44	74	52	41	.285	.334	.299	18.94	2.01	2.3	2.8	2.9	3.2

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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	25.630	25.970	25.110	26.4	39.7	42.2	46.3	22.8	34.6	57	7	22	26	28	82	59	59	0.116	0.139	0.154	0.14	0.06	2.0	5.1	4.2	4.5
February	25.556	25.840	25.070	27.9	45.3	48.0	51.2	24.3	37.8	62	14	21	22	28	73	39	42	.112	.118	.137	.07	.04	3.1	4.3	3.8	4.0
March	25.460	25.670	25.120	37.7	52.4	52.2	56.3	34.2	45.2	73	25	30	30	31	74	44	49	.168	.167	.178	2.24	.91	4.7	6.1	6.6	5.8
April	25.436	25.670	25.090	37.0	55.1	56.0	59.9	34.3	47.1	78	20	27	25	29	66	33	37	.145	.135	.157	.56	.48	3.7	4.5	4.3	4.3
May	25.433	25.620	25.200	48.2	73.0	72.8	78.0	46.6	62.3	88	31	36	33	38	64	23	28	.220	.192	.215	.13	.08	3.3	3.8	4.8	3.6
June	25.386	25.550	25.120	49.9	73.9	75.2	79.0	47.6	63.3	94	40	35	33	38	57	23	26	.204	.190	.218	.11	.06	1.3	1.7	2.4	1.7
July	25.462	25.650	25.287	56.6	85.5	85.4	90.3	54.7	72.5	102	45	39	36	39	54	19	21	.243	.217	.243	.16	.10	1.5	1.8	2.5	1.8
August	25.490	25.660	25.200	53.8	83.2	83.9	88.6	51.8	70.2	99	47	35	34	34	50	18	18	.206	.194	.202	.33	.28	.4	.6	2.1	.9
September	25.484	25.670	25.240	48.4	76.6	76.9	81.3	45.5	63.4	94	33	32	28	30	53	18	18	.177	.156	.165	T.	T.	1.3	2.2	2.8	2.0
October	25.484	25.730	25.111	40.1	62.1	62.7	67.2	36.2	51.7	82	24	31	31	33	69	34	35	.171	.177	.187	.10	.10	2.8	3.2	3.8	3.3
November	25.549	25.910	25.040	32.6	50.5	49.8	55.9	28.4	42.2	72	16	24	25	27	71	38	42	.129	.139	.149	.28	.12	2.9	4.3	4.6	4.0
December	25.574	25.940	25.010	24.8	38.2	38.7	43.2	20.5	31.8	63	5	19	20	26	78	62	61	.103	.138	.142	.32	.15	2.9	3.9	4.5	4.0
Year	25.495	25.970	25.010	40.3	61.3	62.0	66.4	37.2	51.8	102	5	29	29	31	66	34	36	.166	.164	.179	4.65	.91	2.5	3.5	3.9	3.3

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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.954	30.450	29.100	32.3	43.4	40.1	49.3	28.5	38.9	75	8	24	28	27	70	56	61	0.145	0.175	0.174	2.23	0.72	4.7	4.3	2.6	4.3
February	29.980	30.480	29.220	33.7	45.0	42.2	50.1	30.7	40.4	66	21	28	32	31	79	62	66	.161	.193	.182	1.84	.75	4.5	5.0	4.3	4.9
March	29.810	30.400	29.210	39.9	51.9	49.5	58.4	36.3	47.4	81	24	32	34	32	74	53	54	.192	.218	.197	2.71	1.02	4.5	4.7	3.5	4.5
April	29.838	30.400	29.160	48.9	59.6	56.9	65.1	43.2	54.2	82	31	41	41	41	76	54	60	.270	.274	.276	6.88	2.76	5.5	5.0	4.7	5.5
May	29.784	30.350	29.380	58.7	70.3	66.7	74.9	53.3	64.1	91	43	50	49	50	76	49	58	.380	.362	.376	1.90	1.19	5.4	4.6	4.7	5.1
June	29.770	30.021	29.490	69.4	77.6	73.0	81.7	63.8	72.8	91	51	62	63	64	78	63	75	.567	.588	.605	7.19	1.54	5.0	6.3	6.1	5.4
July	29.859	30.160	29.610	74.7	84.1	78.4	87.8	68.9	78.4	96	59	68	66	68	80	56	71	.690	.649	.692	1.95	.59	4.1	8.5	4.4	3.6
August	29.891	30.130	29.340	73.2	83.3	76.3	86.8	69.1	78.0	97	58	69	70	70	87	65	82	.715	.740	.744	8.06	4.00	5.3	4.7	5.8	5.2
September	29.901	30.240	29.340	61.[illegible]	70.2	65.5	74.0	57.6	65.8	88	42	58	58	59	88	68	82	.500	.502	.525	7.01	2.18	5.6	5.8	4.9	5.7
October	30.028	30.400	29.590	54.7	68.7	61.3	71.4	51.5	61.4	84	32	50	50	52	86	52	72	.391	.386	.416	.40	.30	3.7	3.9	4.4	4.5
November	29.960	30.420	29.480	44.4	56.6	50.7	60.4	40.5	50.4	80	24	37	38	38	76	51	63	.247	.254	.256	1.20	.41	6.1	4.9	3.4	5.1
December	30.014	30.380	29.280	33.8	45.9	42.1	50.9	31.2	41.0	63	18	30	30	30	84	56	63	.168	.180	.179	1.46	1.16	4.5	4.3	3.4	5.4
Year	29.899	30.480	29.100	52.1	63.0	58.6	67.6	47.9	51.7	97	8	46	47	47	80	57	67	.369	.377	.385	42.89	4.00	4.9	4.8	4.4	4.9

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

READING, PA.

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

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	W.	27	W.	0	5	2	0	10	3	5	24	13	0	11	13	7	7	5	5	1	0	0	8	0	19	0	0
February	6.6	W.	22	NW.	0	8	2	1	7	5	8	16	11	0	11	7	11	14	9	9	4	0	0	6	0	23	1	0
March	7.6	NW.	27	NW.	0	4	5	1	7	5	7	13	20	0	15	8	8	10	9	12	6	0	0	0	0	20	2	0
April	7.6	W.	31	SW.	0	3	7	1	8	6	11	17	7	0	12	10	8	11	10	4	4	0	0	0	0	4	0	0
May	5.6	SE.	19	SE.	0	8	6	3	11	8	10	7	9	0	12	8	11	10	7	0	0	1	0	0	0	0	9	0
June	5.7	SE.	20	W.	0	5	2	1	16	5	12	10	9	0	6	8	16	16	14	0	0	0	0	0	0	0	8	0
July	4.7	SW.	22	N.	0	4	0	2	9	8	11	19	9	0	14	7	10	10	9	0	0	0	0	0	5	0	11	2
August	4.7	SW.	22	NE.	0	9	7	3	10	12	10	4	7	0	9	10	12	13	9	0	0	0	0	0	8	0	7	0
September	5.0	SW.	24	NE.	0	7	6	1	14	11	7	10	4	0	9	9	12	11	7	0	0	0	0	0	0	0	2	0
October	4.9	SW.	21	NW.	0	8	0	0	8	11	15	8	12	0	13	10	8	5	4	0	0	0	2	0	0	1	2	0
November	5.7	W.	22	W.	0	2	2	0	5	7	11	16	17	0	1	13	16	8	8	5	2	0	0	0	0	4	0	0
December	5.3	W.	21	NW.	0	8	2	1	8	4	9	20	10	0	11	8	12	7	5	2	2	0	2	1	0	20	0	0
Year	5.9	W.	31	SW.	0	71	41	14	113	85	116	164	128	0	124	111	131	122	96	37	19	1	4	15	13	91	42	2

RED BLUFF, CALIF.

[H_b=330 ft.; h_t=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	3.7	NW.	24	NW.	0	6	5	1	7	8	7	1	24	3	9	7	15	10	7	0	0	0	8	0	0	5	0	0
February	5.2	NW.	30	NW.	0	5	3	1	9	12	7	4	17	0	17	5	7	8	8	0	0	0	0	0	0	0	0	0
March	4.9	SE.	26	SE.	0	3	1	0	25	7	8	1	17	0	11	10	10	13	10	0	0	0	0	0	0	0	0	0
April	5.5	NW.	25	SE.	0	2	0	1	21	4	3	5	24	0	16	13	1	6	4	0	0	0	0	0	0	0	0	0
May	5.3	SE.	21	N.	0	0	0	1	24	9	3	3	21	1	27	4	0	0	0	0	0	0	0	0	13	0	0	0
June	6.4	NW.	22	NW.	0	4	2	1	20	4	4	4	19	2	26	4	0	2	2	0	0	0	0	0	16	0	0	0
July	4.5	S.	16	SE.	0	5	0	5	28	11	0	3	9	1	29	2	0	0	0	0	0	0	0	0	29	0	0	0
August	3.9	S.	16	NW.	0	5	0	3	19	13	1	2	17	2	30	0	1	0	0	0	0	0	0	0	29	0	0	0
September	4.3	NW.	19	W.	0	6	1	2	14	9	1	4	23	0	25	4	1	0	0	0	0	0	0	0	18	0	0	0
October	4.6	NW.	24	NW.	0	11	2	2	7	11	0	1	27	1	21	6	4	2	2	0	0	0	0	0	6	0	0	1
November	4.7	NW.	33	SE.	1	10	0	4	7	5	5	2	27	0	9	10	11	7	6	0	0	0	0	0	0	0	0	0
December	4.3	NW.	24	S.	0	20	1	3	6	8	1	3	20	0	12	7	12	7	7	1	1	0	4	0	0	12	0	0
Year	4.8	NW.	33	SE.	1	77	15	24	187	101	40	33	245	10	232	72	62	55	46	1	1	0	12	0	111	17	0	1

RENO, NEV.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	W.	34	SW.	1	5	3	5	5	5	3	28	5	3	13	12	6	5	1	3	3	0	5	2	0	30	0	0
February	4.3	W.	31	W.	0	7	8	9	6	3	5	16	4	0	16	6	7	3	1	4	2	0	0	0	0	24	0	0
March	6.2	W.	35	SW.	1	4	8	3	6	5	8	23	5	0	9	13	9	11	10	4	3	0	0	0	0	10	0	0
April	8.0	W.	39	SW.	1	1	4	4	5	2	7	32	5	0	12	12	6	5	2	3	3	0	0	0	0	12	0	0
May	6.1	W.	29	W.	0	6	2	3	2	3	6	38	1	1	18	11	2	4	1	0	0	0	0	0	0	1	6	0
June	7.8	W.	34	W.	1	0	2	3	3	2	6	36	8	0	26	2	2	2	2	0	0	0	0	0	3	0	1	0
July	6.5	W.	30	W.	0	2	1	2	4	4	4	42	3	0	23	8	0	3	2	0	0	1	0	0	16	0	3	0
August	6.1	W.	25	W.	0	0	3	4	3	1	5	43	3	0	29	2	0	2	2	0	0	0	0	0	15	0	3	0
September	5.8	W.	27	W.	0	2	5	6	3	1	5	36	2	0	23	6	1	0	0	0	0	0	0	0	6	0	0	0
October	4.9	W.	30	W.	0	3	9	4	5	0	3	33	3	2	19	7	5	1	1	2	1	0	0	0	0	5	0	0
November	4.7	W.	30	W.	0	5	7	2	4	8	5	21	7	1	15	12	3	5	4	1	1	0	0	0	0	20	0	0
December	4.5	W.	39	W.	2	3	4	5	8	6	7	25	4	0	16	8	7	8	3	10	6	0	1	1	0	27	0	0
Year	5.7	W.	39	W.	6	38	56	50	54	40	64	373	50	7	219	99	48	40	29	27	19	1	6	3	40	129	13	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	8.4	W.	43	W.	2	2	8	4	3	5	16	14	10	0	13	8	10	7	6	3	3	0	3	7	0	18	1	0
February	7.3	SW.	35	W.	1	2	9	4	7	5	15	7	8	1	13	5	11	10	8	3	0	0	1	0	0	18	0	0
March	9.0	SW.	44	W.	2	0	15	1	9	1	15	9	12	0	15	9	7	7	6	1	0	0	2	0	0	7	1	0
April	9.9	SW.	34	SW.	1	4	11	3	4	3	18	9	7	1	12	6	12	14	11	0	0	0	0	0	0	2	2	0
May	6.4	SW.	24	NE.	0	3	16	7	6	4	17	5	4	0	12	10	9	10	8	0	0	0	2	0	3	0	2	0
June	7.2	SW.	40	NW.	1	1	9	2	10	0	28	5	5	0	9	11	10	16	13	0	0	0	2	0	3	0	13	0
July	5.7	SW.	31	NW.	0	2	9	3	9	4	24	6	5	0	17	11	3	7	6	0	0	0	1	0	7	0	6	1
August	5.3	SW.	27	NW.	0	1	6	5	10	1	30	5	4	0	9	15	7	15	12	0	0	0	1	0	9	0	13	0
September	5.8	NE.	33	NE.	1	5	20	3	9	4	13	4	1	1	13	4	13	11	10	0	0	0	2	0	0	0	1	0
October	5.8	SW.	21	W.	0	5	12	6	7	8	19	2	3	0	15	5	11	4	3	0	0	0	2	0	0	0	1	0
November	8.3	SW.	30	NW.	0	6	9	0	3	3	20	7	12	0	12	8	10	9	7	1	0	0	0	0	0	8	0	0
December	5.8	NE.	29	SW.	0	4	16	4	7	5	12	6	8	0	13	5	13	8	5	2	2	0	5	0	0	19	0	0
Year	7.1	SW.	44	W.	8	35	140	42	84	43	227	79	79	3	153	97	116	118	95	10	5	0	21	7	22	72	40	1

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

ROCHESTER, N. Y.

[ϕ=43° 08′ N.; λ=77° 42′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.366	30.020	28.370	24.8	27.8	28.1	34.0	21.3	27.6	52	3	19	20	20	76	71	70	0.109	0.115	0.119	2.03	0.74	7.8	8.6	8.1	8.5
February	29.455	30.120	28.820	24.0	28.4	27.3	34.0	19.3	26.6	54	2	17	18	19	73	65	71	.104	.110	.111	2.23	.77	7.7	7.8	8.3	7.4
March	29.311	29.910	28.480	28.8	34.1	31.7	39.1	25.1	32.1	72	12	21	24	24	72	66	71	.118	.137	.135	3.55	1.04	8.1	8.0	7.5	7.5
April	29.355	29.780	28.760	39.8	46.9	43.2	51.9	34.4	43.2	83	23	30	30	32	67	54	65	.171	.177	.198	2.60	.77	6.7	6.6	6.5	6.4
May	29.375	29.960	28.999	54.0	61.4	56.6	65.6	46.7	56.2	86	34	40	41	40	61	50	58	.264	.270	.268	2.56	1.66	4.8	6.5	4.2	5.3
June	29.303	29.679	28.960	61.2	67.8	64.6	71.9	54.9	63.4	91	42	52	53	54	72	61	71	.398	.415	.435	4.62	.77	5.9	7.1	5.9	6.4
July	29.399	29.740	29.140	69.2	76.3	72.8	80.6	63.3	72.0	94	54	60	59	60	73	57	65	.521	.508	.524	3.72	1.42	5.3	5.4	3.7	4.8
August	29.465	29.752	29.170	69.0	77.0	72.5	80.6	63.5	72.0	91	52	61	62	62	76	60	70	.544	.557	.562	3.28	1.19	5.4	6.2	4.7	5.4
September	29.465	29.830	29.100	56.6	64.3	60.5	67.7	51.2	59.4	87	38	49	47	49	74	56	66	.359	.350	.361	.75	.21	6.3	5.8	5.7	6.3
October	29.513	29.960	29.120	50.7	57.8	54.2	62.5	45.9	54.2	84	27	43	43	44	76	60	69	.302	.303	.315	2.72	.67	6.1	6.5	5.6	5.3
November	29.423	29.820	28.850	39.2	43.6	42.2	47.2	36.3	41.8	71	20	33	34	35	79	69	75	.199	.201	.209	4.57	1.16	8.2	7.8	8.2	8.3
December	29.516	29.860	28.560	31.9	35.6	34.5	39.2	28.9	34.0	53	10	25	26	26	74	67	69	.138	.144	.145	.78	.30	7.6	7.2	7.1	7.6
Year	29.412	30.120	28.370	45.8	51.8	49.0	56.2	40.9	48.5	94	2	38	38	39	73	61	68	.269	.275	.282	33.39	1.66	6.7	7.0	6.3	6.7

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	29.643	29.920	29.149	39.3	45.7	48.7	50.1	36.1	43.1	62	26	38	40	42	96	80	78	0.235	0.248	0.270	2.90	0.88	7.1	7.6	7.4	8.1
February	29.646	29.980	28.870	37.7	45.7	52.2	53.4	35.0	44.2	62	25	35	38	38	92	75	61	.210	.231	.233	2.01	.51	4.5	6.4	5.3	6.7
March	29.471	29.770	28.880	44.8	54.7	57.1	59.4	42.4	50.9	76	33	43	43	44	93	67	62	.279	.284	.288	5.71	1.45	7.1	7.5	7.4	8.0
April	29.500	29.870	28.750	43.8	54.3	57.1	60.2	41.2	50.7	80	33	40	39	39	88	58	53	.255	.240	.239	3.57	1.04	8.2	7.4	6.0	7.4
May	29.489	29.770	29.190	46.8	66.1	72.1	74.2	45.7	60.0	96	35	44	46	45	89	50	40	.289	.319	.309	.42	.28	4.2	3.5	3.1	3.8
June	29.456	29.630	29.151	52.3	66.1	70.0	71.6	51.6	61.6	86	44	47	47	46	82	51	45	.323	.322	.320	.70	.47	6.1	5.4	4.3	5.6
July	29.440	29.650	29.240	56.3	73.8	81.3	82.8	55.6	69.2	103	49	51	52	49	83	47	35	.379	.385	.354	.12	.12	4.9	3.6	2.0	3.8
August	29.486	29.710	29.230	53.9	74.0	81.3	82.4	52.6	67.5	93	46	48	50	47	82	43	32	.339	.356	.331	T.	T.	2.3	1.5	1.6	2.3
September	29.466	29.700	29.230	50.8	66.5	72.9	74.5	49.1	61.8	91	39	46	48	47	85	53	43	.319	.340	.333	.84	.79	4.4	3.5	2.4	4.2
October	29.531	29.740	29.100	46.9	58.8	61.0	63.5	44.4	54.0	80	30	44	44	44	90	61	56	.296	.299	.296	1.60	.67	5.1	6.7	5.7	6.9
November	29.565	30.160	28.750	42.9	51.4	51.9	55.3	40.0	47.6	71	32	41	41	42	93	69	70	.260	.256	.267	2.54	.58	8.0	7.3	6.6	7.7
December	29.596	30.020	29.010	38.1	43.5	43.8	47.0	34.5	40.8	63	22	35	36	36	90	76	77	.209	.210	.217	4.46	1.29	8.5	7.6	6.6	8.3
Year	29.524	30.160	28.750	46.1	58.4	62.4	64.5	44.0	54.3	103	22	43	44	43	89	61	54	.283	.291	.288	24.77	1.45	5.9	5.7	4.9	6.1

ROSWELL, N. MEX.

[ϕ=33° 24′ N.; λ=104° 27′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	26.478	26.850	26.106	30.1	49.8	52.2	59.7	25.8	42.8	76	9	13	17	15	51	30	24	0.084	0.100	0.087	0	0	3.5	2.7	2.1	2.7
February	26.416	26.730	25.990	31.8	46.9	50.1	54.0	28.3	41.2	79	5	25	27	27	78	50	45	.138	.149	.150	.84	.67	3.7	3.9	3.4	3.8
March	26.316	26.620	25.860	41.7	62.4	66.0	69.7	38.3	54.0	88	22	25	25	22	53	27	21	.137	.140	.122	T.	T.	2.9	2.9	3.8	2.2
April	26.250	26.590	25.750	45.5	66.1	68.8	72.7	41.6	57.2	93	26	25	24	20	49	26	22	.134	.128	.111	.72	.43	4.8	4.6	4.6	4.8
May	26.331	26.750	26.060	56.0	75.3	76.5	80.8	54.4	67.6	97	45	47	44	43	73	37	34	.330	.297	.268	1.92	.81	4.2	3.8	5.2	4.5
June	26.193	26.460	25.870	64.4	87.0	89.7	92.5	62.5	77.5	104	48	42	39	36	49	22	19	.292	.255	.229	1.53	1.31	1.9	1.0	1.9	1.5
July	26.366	26.580	26.126	67.5	86.8	87.5	92.0	66.1	79.0	102	62	57	54	51	70	36	32	.466	.437	.394	.96	.39	3.5	2.9	3.9	3.2
August	26.408	26.610	26.234	65.2	79.7	79.8	84.3	63.7	74.0	94	54	61	60	59	87	54	53	.537	.556	.504	4.36	1.06	5.8	3.7	5.7	4.9
September	26.420	26.660	26.160	56.5	76.9	78.8	82.5	55.0	68.8	96	45	49	51	49	78	42	37	.360	.378	.338	.42	.28	3.2	2.2	2.8	2.6
October	26.380	26.690	26.060	51.4	70.3	70.2	76.7	48.5	62.6	91	37	44	44	43	78	44	42	.305	.307	.291	3.34	1.47	3.4	3.4	3.5	3.0
November	26.468	26.870	26.100	37.4	51.8	51.3	58.0	34.6	46.3	71	20	33	34	35	84	53	56	.192	.205	.206	.21	.23	4.1	4.0	3.2	3.9
December	26.454	26.840	26.010	29.6	47.1	47.8	54.4	26.4	40.4	74	13	24	27	28	80	49	47	.133	.151	.153	.64	.63	4.1	3.9	2.2	3.4
Year	26.373	26.870	25.750	48.1	66.7	68.2	73.1	45.4	59.3	104	5	37	37	35	69	39	36	.259	.205	.228	15.04	1.47	3.8	3.2	3.5	3.5

ROYAL CENTER, IND.

[ϕ=40° 53′ N.; λ=86° 29′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.272	29.720	28.390	21.2	28.5	----	32.3	18.0	25.2	62	−10	18	18	----	88	73	----	0.116	0.266	----	1.91	0.98	5.6	6.3	----	6.4
February	29.262	29.690	28.690	26.3	33.0	----	36.5	22.1	29.3	51	4	23	25	----	85	71	----	.130	.143	----	2.18	.68	7.4	7.4	----	6.9
March	29.154	29.631	28.420	32.5	41.5	----	45.1	27.5	36.3	76	14	28	28	----	84	59	----	.167	.170	----	.86	.38	5.6	5.8	----	5.7
April	29.134	29.493	28.620	40.6	50.7	----	55.8	34.5	45.2	75	21	34	33	----	76	53	----	.202	.201	----	1.42	.41	5.1	6.0	----	6.3
May	29.180	29.650	28.810	54.4	67.0	----	70.9	46.3	58.6	88	34	44	44	----	70	46	----	.305	.306	----	2.55	1.14	6.0	5.1	----	4.9
June	29.042	29.446	28.700	59.6	67.9	----	72.1	53.4	62.8	84	42	54	55	----	83	67	----	.430	.458	----	6.26	1.72	7.3	7.6	----	7.2
July	29.210	29.335	28.990	68.7	80.1	----	82.7	61.5	72.1	90	48	64	64	----	84	58	----	.566	.606	----	3.64	.99	4.8	5.5	----	5.2
August	29.236	29.480	28.940	67.2	79.2	----	82.1	59.9	71.0	91	48	63	64	----	86	60	----	.588	.606	----	7.42	3.02	4.3	5.0	----	5.0
September	29.269	29.540	28.970	53.0	68.5	----	71.5	48.2	59.8	87	30	48	47	----	83	50	----	.359	.360	----	.57	.30	3.0	4.4	----	4.6
October	29.236	29.696	28.940	49.7	62.4	----	65.7	45.4	55.6	86	20	46	45	----	87	55	----	.336	.318	----	1.74	.53	5.8	6.4	----	6.0
November	29.276	29.660	28.780	37.4	45.3	----	48.2	33.9	41.0	70	16	34	34	----	86	67	----	.205	.206	----	1.76	.54	7.4	7.5	----	7.5
December	29.306	29.690	28.680	27.5	35.9	----	39.4	24.3	31.8	52	3	24	28	----	88	72	----	.140	.160	----	1.77	.90	6.0	7.0	----	6.9
Year	29.219	29.720	28.390	44.8	55.0	----	58.5	39.6	49.1	91	−10	40	40	----	83	61	----	.298	.313	----	31.96	3.02	5.7	6.2	----	6.1

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

ROCHESTER, N. Y.

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

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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: Thunderstorms	Aurora
	Miles		*Mi.*																									
January	11.5	SW.	37	W.	4	2	0	0	5	3	28	20	4	0	2	5	24	18	11	19	13	0	0	12	0	23	0	0
February	9.5	W.	34	W.	1	2	0	1	8	7	14	17	9	0	6	8	18	18	10	22	13	0	0	13	0	27	0	0
March	10.5	W.	40	SW.	1	3	4	5	3	6	7	24	10	0	2	9	20	22	14	20	18	0	0	8	0	24	3	0
April	9.6	W.	44	SW.	5	1	2	7	6	4	11	23	6	0	7	9	14	14	9	9	6	0	0	2	0	16	2	0
May	6.0	W.	36	W.	1	5	9	1	1	6	8	18	12	2	10	12	9	5	4	0	0	0	0	0	0	0	3	0
June	6.1	SW.	18	W.	0	2	6	7	8	8	13	8	8	0	7	9	14	19	15	0	0	0	1	0	1	0	5	0
July	6.2	SW.	24	SW.	0	1	11	3	3	0	21	12	10	1	11	12	8	8	5	0	0	0	0	0	2	0	4	1
August	5.4	SW.	24	W.	0	4	12	3	5	7	13	9	9	0	12	9	10	10	7	0	0	0	0	0	3	0	6	0
September	6.5	SW.	24	SW.	0	1	5	5	4	4	19	15	5	2	4	18	8	10	5	0	0	0	0	0	0	0	0	0
October	6.8	SW.	25	W.	0	1	3	3	1	12	20	14	8	0	11	4	16	15	9	3	1	0	0	0	0	4	0	0
November	7.7	W.	30	W.	0	1	4	3	5	4	18	15	10	0	2	5	23	17	12	10	6	0	0	1	0	9	0	0
December	7.0	SW.	30	W.	0	0	1	3	2	10	28	14	4	0	4	5	22	12	6	12	7	0	1	6	0	18	0	0
Year	7.7	W.	44	SW.	12	23	57	41	51	71	200	139	95	5	75	105	186	168	107	95	64	0	2	42	6	121	23	1

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	Thunderstorms	Aurora
January	2.1	S.	15	S.	0	6	7	6	3	16	4	4	14	2	3	6	22	17	12	0	0	0	14	1	0	6	0	0
February	2.0	N.	17	S.	0	15	9	1	3	7	7	4	12	0	3	12	14	16	10	0	0	0	8	0	0	11	0	0
March	3.7	S.	26	SW.	0	12	3	3	5	11	12	7	9	0	0	12	19	19	15	0	0	0	6	0	0	0	0	0
April	4.4	NW.	27	SW.	0	12	3	3	2	8	15	3	14	0	3	9	18	23	14	0	0	0	4	0	0	0	1	0
May	3.9	N.	20	SW.	0	29	2	1	5	2	6	3	8	6	13	16	2	3	3	0	0	1	0	0	2	0	0	0
June	4.2	N.	17	N.	0	32	2	1	1	2	3	1	16	2	11	7	12	2	3	0	0	0	0	0	0	0	0	0
July	4.4	N.	17	NE.	0	34	6	2	1	1	2	1	13	2	14	13	4	1	1	0	0	0	0	0	7	0	0	0
August	4.0	N.	17	N.	0	39	2	0	0	0	1	1	16	3	21	8	2	0	0	0	0	0	0	0	4	0	0	0
September	3.2	N.	17	N.	0	31	3	0	2	6	2	2	10	4	14	10	6	4	2	0	0	0	0	0	2	0	0	0
October	2.8	NW.	23	N.	0	15	6	1	7	8	2	9	12	2	4	10	17	10	9	0	0	0	6	0	0	3	0	0
November	3.0	S.	25	W.	0	9	5	3	7	14	7	4	11	0	4	8	18	15	12	0	0	2	4	0	0	0	0	0
December	3.5	S.	19	SW.	0	11	2	4	6	13	7	2	17	0	0	9	22	13	8	0	0	1	5	0	0	8	0	0
Year	3.5	N.	27	SW.	0	245	50	25	42	88	68	41	152	21	90	120	156	124	89	0	0	8	43	1	15	28	1	0

ROSWELL, N. MEX.

[H_b=3,566 ft.; h_t=75 ft.; h_r=69 ft.; h_a=85 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	6.8	S.	34	NW.	1	8	2	6	3	20	6	4	13	0	22	6	3	0	0	0	0	0	0	1	0	24	0	0
February	6.8	E.	40	NW.	3	15	5	10	2	9	4	3	8	2	18	4	7	4	3	3	2	0	1	0	0	19	0	0
March	8.2	S.	34	N.	2	7	3	10	2	13	3	9	13	2	16	13	2	0	0	0	0	0	0	0	0	8	0	0
April	9.3	S.	38	W.	1	9	7	4	2	12	6	15	5	0	11	12	7	4	3	4	2	0	0	0	1	7	0	0
May	6.6	S.	32	NW.	0	12	2	4	8	15	2	7	9	3	14	13	4	6	5	0	0	0	0	0	5	0	10	0
June	8.4	S.	29	S.	0	7	5	6	5	15	3	11	6	1	23	7	0	2	2	0	0	0	0	0	17	0	4	0
July	7.0	S.	27	SW.	0	6	5	8	4	18	9	6	4	2	19	12	0	10	5	0	0	0	0	0	22	0	12	0
August	5.8	S.	26	SE.	0	9	2	3	6	25	8	4	4	1	8	17	6	12	9	0	0	0	0	0	7	0	14	0
September	5.6	S.	32	N.	0	10	4	3	5	21	6	6	3	2	21	5	4	5	3	0	0	0	0	0	4	0	4	0
October	6.5	S.	28	S.	0	14	7	8	2	22	4	6	4	0	18	6	7	7	6	0	0	1	0	0	3	0	8	0
November	5.6	S.	34	NW.	1	12	4	5	3	27	0	4	5	0	16	9	5	3	2	1	0	0	2	0	0	10	1	0
December	4.7	N.	28	W.	0	18	7	3	3	14	2	3	10	2	16	11	4	3	1	1	0	0	1	0	0	25	1	0
Year	6.8	S.	40	NW.	8	127	53	65	46	211	53	78	84	15	202	115	49	56	39	9	4	1	4	1	59	93	54	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	Thunderstorms	Aurora
January	11.7	SW.	42	W.	4	0	1	0	2	6	11	8	3	0	7	7	17	4	3	7	2	1	2	13	0	25	0	0
February	11.4	W.	37	W.	2	1	0	3	3	4	7	8	3	0	5	7	17	9	9	13	3	0	1	7	0	25	0	0
March	11.6	W.	42	NW.	1	4	1	1	6	5	3	7	4	0	6	13	12	7	5	8	1	1	0	2	0	26	4	0
April	12.8	W.	39	W.	4	4	1	3	3	5	6	7	1	0	5	16	9	13	4	4	2	0	1	0	0	16	2	0
May	8.7	N.	31	W.	0	3	4	4	3	5	4	1	6	1	11	12	8	15	9	0	0	0	1	0	0	0	10	0
June	8.9	W.	38	W.	1	2	0	4	5	4	5	5	3	1	2	10	18	16	14	9	0	0	0	0	0	0	8	0
July	6.1	S.	39	NW.	1	2	4	2	2	9	6	3	2	1	10	14	7	12	9	0	0	0	1	0	0	0	14	0
August	6.3	S.	32	NW.	0	2	3	6	5	3	8	0	2	2	10	15	6	11	8	0	0	0	1	0	4	0	11	0
September	7.9	SW.	30	W.	0	0	3	3	2	8	4	7	2	1	12	11	7	7	3	0	0	0	0	0	0	2	3	0
October	8.2	S.	28	SW.	0	0	1	2	6	8	3	11	0	0	7	9	15	11	6	0	0	1	0	0	0	4	0	0
November	11.0	SW.	30	SW.	0	0	2	2	1	6	9	7	3	0	6	4	20	13	8	7	2	0	0	1	0	13	0	0
December	8.2	SW.	35	W.	2	1	1	2	5	5	8	7	2	0	6	9	16	8	6	8	3	0	0	6	0	26	0	0
Year	9.4	SW.	42	W.	15	19	21	32	43	68	75	71	31	6	87	127	152	126	84	47	13	3	7	29	4	137	52	0

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

SACRAMENTO, CALIF.

[ϕ=38° 35′ N.; λ=121° 30′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	30.179	30.440	29.792	42.3	48.0	51.6	52.5	40.6	46.6	64	29	40	41	43	90	78	74	0.249	0.260	0.280	1.17	0.76	4.3	5.5	6.1	6.1
February	30.061	30.410	29.500	44.7	54.8	59.6	60.7	42.1	51.4	67	36	41	43	44	87	65	58	.260	.280	.290	1.38	.84	3.2	3.6	3.6	4.0
March	29.977	30.230	29.660	50.3	59.7	63.2	64.5	48.4	56.5	79	43	48	49	50	92	70	65	.338	.358	.356	3.39	1.08	3.7	5.7	5.8	5.4
April	29.947	30.170	29.740	48.2	62.7	67.2	68.9	46.7	57.8	85	38	44	46	46	85	55	50	.286	.313	.328	.78	.63	2.5	3.4	3.5	3.4
May	29.824	30.070	29.667	54.1	72.5	78.9	80.9	53.4	67.2	96	49	49	50	49	83	48	39	.347	.372	.357	.02	.02	2.5	1.2	2.2	2.0
June	29.749	29.900	29.500	57.7	78.3	84.5	86.6	56.8	71.7	103	50	51	51	51	80	41	34	.375	.376	.373	.04	.04	.5	.8	.2	.6
July	29.766	29.960	29.560	57.1	78.7	87.8	89.8	56.2	73.0	102	52	53	56	56	85	47	36	.396	.457	.451	T.	T.	.8	.6	.9	.8
August	29.798	30.000	29.640	57.1	79.9	85.9	91.0	55.9	73.4	103	52	52	54	53	83	42	32	.387	.423	.409	0	0	0	0	.1	.1
September	29.809	30.080	29.583	57.6	76.9	85.0	87.0	55.8	71.4	102	49	50	51	47	77	43	29	.363	.380	.327	T.	T.	.4	1.5	1.6	1.4
October	29.895	30.110	29.485	52.4	67.7	73.2	75.2	50.3	62.8	92	43	46	46	46	79	48	42	.315	.322	.329	.15	.14	2.0	1.4	2.0	2.3
November	30.049	30.350	29.610	46.3	56.3	60.6	62.2	43.9	53.0	70	36	43	47	48	89	66	64	.281	.322	.336	2.98	1.71	1.4	3.2	2.8	2.9
December	30.119	30.430	29.690	38.4	45.2	48.8	50.4	36.2	43.3	62	25	37	40	47	94	84	82	.224	.258	.281	2.66	.89	2.9	3.8	3.8	5.5
Year	29.931	30.440	29.485	50.5	65.1	70.8	72.5	48.9	60.7	103	25	46	48	48	85	57	50	.318	.343	.344	12.57	1.71	2.6	2.6	2.7	2.9

ST. JOSEPH, MO.

[ϕ=39° 49′ N.; λ=94° 51′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.087	29.610	28.444	26.0	34.3	35.5	40.4	23.4	31.9	64	−8	20	22	22	78	60	59	0.120	0.127	0.133	0.02	0.01	4.5	3.4	3.1	3.8
February	29.047	29.450	28.680	29.7	38.6	38.3	43.9	26.5	35.2	66	7	24	23	24	78	54	58	.138	.137	.145	1.69	1.19	4.9	4.9	4.3	5.0
March	28.930	29.360	28.330	36.9	51.9	51.1	58.0	34.6	46.3	86	17	30	29	28	75	43	43	.172	.171	.166	.77	.41	4.5	4.6	4.2	4.6
April	28.871	29.286	28.440	42.3	55.6	55.6	61.1	40.1	50.6	85	23	32	32	31	66	44	43	.191	.192	.184	2.06	1.18	4.4	4.5	4.0	4.4
May	28.914	29.350	28.590	57.1	73.5	72.9	79.4	55.0	67.2	91	44	46	45	47	67	40	43	.326	.323	.343	2.03	.99	3.1	3.8	3.1	3.4
June	28.792	29.071	28.440	61.6	72.7	72.7	77.3	59.2	68.2	88	52	55	56	56	81	58	58	.450	.484	.467	10.77	3.65	5.7	5.7	5.0	5.8
July	28.939	29.207	28.720	70.6	82.2	83.1	87.2	68.1	77.6	96	58	65	66	67	84	59	60	.628	.638	.680	3.19	.87	4.3	4.6	3.5	4.2
August	28.957	29.250	28.640	68.7	83.0	81.7	87.0	67.2	77.1	95	51	65	66	67	87	58	62	.619	.658	.671	4.83	2.08	4.5	3.7	2.7	3.6
September	29.009	29.238	28.670	55.8	72.3	69.4	76.6	53.9	65.2	92	37	49	50	51	80	46	53	.371	.382	.405	8.79	4.08	3.7	3.0	2.7	2.7
October	29.003	29.520	28.480	51.5	65.3	60.0	69.6	48.4	59.0	90	32	44	46	46	78	52	63	.316	.339	.331	3.51	1.09	4.5	4.5	3.5	4.4
November	29.054	29.660	28.480	38.2	47.6	45.6	51.8	35.3	43.6	73	18	33	34	34	82	62	66	.200	.208	.208	6.98	3.30	5.1	4.5	4.6	4.9
December	29.054	29.460	28.520	30.5	37.8	35.8	41.9	27.5	34.7	54	13	26	27	27	84	66	70	.145	.153	.151	.50	.34	4.5	5.5	4.3	5.3
Year	28.971	29.660	28.330	47.4	59.6	58.5	64.5	44.9	54.7	96	−8	41	41	42	78	54	56	.306	.316	.324	45.13	4.08	4.5	4.4	3.8	4.3

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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.540	30.050	28.760	29.4	36.8	37.4	42.8	26.6	34.7	71	−5	23	25	26	75	62	63	0.140	0.152	0.156	1.91	1.25	3.2	4.6	3.5	4.5
February	29.510	29.900	28.970	32.5	39.0	39.5	45.5	29.6	37.6	62	11	26	30	30	77	73	68	.153	.175	.177	2.43	.89	5.1	5.4	4.6	5.3
March	29.379	29.840	28.780	39.5	49.8	49.7	55.7	36.4	46.0	81	20	33	39	38	79	67	65	.201	.257	.246	2.27	1.28	5.5	4.8	3.9	4.7
April	29.330	29.750	28.800	45.9	56.6	56.7	61.2	43.6	52.4	81	27	38	46	44	75	69	65	.243	.330	.312	3.02	1.32	5.0	5.0	4.1	5.5
May	29.355	29.800	28.990	60.4	71.7	71.4	76.1	57.2	66.6	91	42	47	49	50	64	48	49	.347	.372	.375	2.18	.96	4.0	3.9	3.9	4.0
June	29.242	29.547	28.930	64.7	73.1	72.0	76.7	60.5	68.6	88	51	58	59	60	80	63	66	.498	.517	.527	7.25	3.00	6.8	6.7	6.0	6.5
July	29.393	29.680	29.210	74.4	84.9	83.0	88.4	71.4	79.9	95	63	66	66	67	74	55	59	.638	.667	.667	6.66	2.91	3.4	4.7	3.9	4.4
August	29.407	29.660	29.160	71.6	83.0	81.4	86.1	69.1	77.6	94	60	66	68	66	82	61	62	.634	.688	.661	4.83	1.44	4.5	4.8	3.4	4.5
September	29.458	29.710	29.150	59.3	73.7	70.4	76.9	57.9	67.4	93	43	50	50	50	73	45	50	.388	.400	.397	1.70	1.17	2.3	2.0	3.1	2.9
October	29.471	29.898	29.110	55.4	67.1	64.8	70.8	53.5	62.2	88	37	48	49	49	76	55	58	.362	.381	.382	2.24	.90	3.9	4.3	3.8	4.3
November	29.507	30.020	29.030	42.1	49.3	47.9	53.1	38.8	46.0	70	23	35	37	36	79	64	66	.227	.238	.231	1.90	.79	4.9	6.1	5.2	5.7
December	29.515	29.940	28.910	33.5	41.7	40.4	46.3	31.0	38.6	75	16	27	30	30	77	63	66	.157	.175	.172	2.22	.97	3.8	4.3	4.6	4.8
Year	29.426	30.050	28.760	50.7	60.6	60.0	65.0	48.0	56.5	95	−5	43	46	46	76	60	62	.332	.363	.359	38.61	3.00	4.4	4.7	4.2	4.8

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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.116	29.690	28.520	12.5	20.1	----	24.2	8.8	16.5	45	−20	11	14	----	92	76	----	0.084	0.096	----	0.31	0.12	4.2	6.3	----	5.9
February	29.134	29.530	28.790	17.2	23.5	----	27.7	14.0	20.8	45	−8	14	16	----	87	71	----	.091	.097	----	1.63	1.16	5.4	5.5	----	5.5
March	29.062	29.390	28.620	30.3	36.4	----	41.6	23.7	32.6	75	4	21	24	----	84	62	----	.117	.139	----	.80	.57	5.2	5.1	----	5.0
April	28.995	29.456	28.340	33.2	42.7	----	47.6	30.5	39.0	73	16	26	29	----	75	61	----	.149	.171	----	2.45	1.08	5.6	6.7	----	6.8
May	29.067	29.549	28.620	53.4	65.9	----	70.5	50.3	60.4	86	41	43	48	----	69	53	----	.288	.342	----	2.16	1.20	4.6	5.1	----	5.3
June	28.906	29.250	28.410	57.1	66.5	----	70.9	52.8	61.8	82	43	49	51	----	75	60	----	.353	.388	----	2.60	1.11	6.0	7.0	----	6.6
July	29.038	29.320	28.770	66.4	77.1	----	81.5	61.9	71.7	91	53	60	62	----	82	60	----	.534	.564	----	3.63	1.96	4.9	6.3	----	5.0
August	29.067	29.400	28.740	62.8	74.2	----	78.8	59.9	69.4	94	46	58	60	----	84	62	----	.489	.538	----	6.10	1.66	3.9	4.6	----	4.4
September	29.066	29.390	28.620	50.3	63.4	----	66.7	47.6	57.2	79	31	46	47	----	85	56	----	.328	.346	----	2.66	1.18	4.9	4.5	----	4.7
October	29.087	29.670	28.540	44.7	54.9	----	58.5	41.0	49.8	88	22	40	40	----	82	61	----	.257	.272	----	2.46	.97	6.2	5.7	----	6.0
November	29.129	29.700	28.370	32.5	39.3	----	42.4	29.2	35.8	57	15	27	28	----	77	64	----	.146	.155	----	.21	.12	6.2	6.9	----	6.5
December	29.118	29.560	28.530	21.7	27.1	----	32.1	17.9	25.0	46	−8	20	21	----	90	78	----	.114	.124	----	.41	.10	5.8	6.5	----	6.8
Year	29.065	29.700	28.340	39.8	49.2	----	53.5	36.5	45.0	94	−20	35	37	----	82	64	----	.246	.269	----	24.80	1.96	5.2	5.8	----	5.7

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

SACRAMENTO, CALIF.

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

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 35 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp. 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorms	Aurora
	Miles		*Mi.*																									
January	5.3	SE.	20	NW.	0	15	8	1	20	6	2	0	9	0	8	9	14	8	4	0	0	0	5	0	0	2	0	0
February	6.3	SE.	28	NW.	0	9	2	2	17	5	4	2	12	5	15	4	10	8	6	0	0	0	2	0	0	0	0	0
March	6.7	SE.	25	SE.	0	9	0	5	21	15	3	0	8	1	11	6	14	11	8	0	0	0	1	0	0	0	1	0
April	7.5	SE.	28	S.	0	4	1	1	15	9	16	0	12	2	18	7	5	5	3	0	0	0	0	0	0	0	0	0
May	7.6	S.	23	SW.	0	1	0	0	12	26	9	3	9	2	23	6	2	1	0	0	0	0	0	0	4	0	1	0
June	8.3	S.	23	NW.	0	2	0	1	15	20	9	2	10	1	29	1	0	1	1	0	0	0	0	0	11	0	1	0
July	8.3	S.	22	SW.	0	1	1	0	15	36	6	1	2	0	28	3	0	0	0	0	0	0	0	0	19	0	0	1
August	7.1	S.	19	S.	0	1	0	2	9	43	3	0	3	1	31	0	0	0	0	0	0	0	0	0	19	0	0	0
September	6.3	S.	20	SW.	0	5	0	0	15	24	5	0	7	4	23	7	0	0	0	0	0	0	0	0	15	0	0	0
October	5.8	S.	31	NW.	0	3	2	1	12	13	3	2	14	12	22	7	2	3	2	0	0	0	3	0	3	0	0	1
November	5.5	SE.	32	SE.	0	8	2	2	13	6	7	3	12	7	19	6	5	6	5	0	0	0	2	0	0	0	0	0
December	4.8	SE.	30	SE.	0	9	2	2	21	7	1	2	8	10	8	9	14	8	6	0	0	1	12	0	0	9	0	0
Year	6.6	S.	32	SE.	0	68	18	17	185	210	68	15	106	45	235	65	66	51	35	0	0	1	25	0	71	11	3	2

ST. JOSEPH, MO.

[H_b=957 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 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	Thunderstorms	Aurora
January	7.7	NW.	33	NW.	1	4	8	2	4	11	13	4	16	0	15	10	6	2	0	3	1	0	1	7	0	21	0	0
February	8.6	NW.	29	NW.	0	5	5	3	5	4	12	8	16	0	14	4	11	7	6	7	2	0	2	5	0	22	0	0
March	8.4	NW.	30	NW.	0	6	11	5	8	9	7	5	11	0	13	13	5	6	4	2	1	0	1	0	0	16	2	0
April	10.3	NW.	38	NW.	2	8	6	5	9	10	6	3	13	0	16	7	7	7	5	3	0	0	0	0	0	7	2	0
May	7.5	SE.	26	NE.	0	6	7	5	16	10	4	4	10	0	16	12	3	7	7	0	0	0	0	0	1	0	6	0
June	6.5	SE.	36	NW.	1	6	8	6	17	6	3	2	12	0	6	13	11	16	13	0	0	1	0	0	0	0	10	0
July	5.8	SE.	34	SE.	1	5	10	2	13	13	9	4	6	0	16	9	6	12	11	0	0	1	0	0	12	0	9	0
August	6.1	SE.	38	W.	1	5	8	0	18	13	3	3	6	0	18	8	5	10	9	0	0	0	0	0	9	0	10	0
September	6.4	SE.	27	NW.	0	8	7	2	19	14	4	3	3	0	21	6	3	7	6	0	0	1	1	0	3	0	6	0
October	6.9	SE.	33	NW.	1	5	9	4	16	11	4	1	12	0	14	8	9	11	9	0	0	1	1	0	1	1	6	0
November	8.4	NW.	29	SW.	0	5	5	4	4	13	9	4	16	0	15	4	11	8	7	4	2	0	0	0	0	10	1	0
December	7.6	NW.	28	NW.	0	7	6	4	8	9	9	5	14	0	12	7	12	6	3	8	4	0	0	3	0	22	0	0
Year	7.5	NW.	38	NW.	7	70	90	48	137	123	83	46	135	0	176	101	89	99	80	27	10	4	6	15	26	99	52	0

ST. LOUIS, MO.

[H_b=568 ft.; h_t=265 ft.; h_r=258 ft.; h_a=303 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	12.4	SW.	37	W.	3	6	5	2	2	5	16	11	15	0	15	7	9	4	4	5	2	1	3	7	0	18	1	0
February	12.1	W.	32	NW.	0	3	2	3	4	6	11	12	17	0	13	4	12	9	9	6	2	0	4	3	0	16	1	0
March	11.7	SW.	36	NW.	2	13	5	5	2	8	13	8	8	0	13	11	7	6	3	4	1	0	0	0	0	11	3	0
April	13.0	SW.	47	SW.	8	7	5	6	2	13	10	6	11	0	11	8	11	8	7	1	0	0	0	0	0	3	6	0
May	10.8	SW.	38	SW.	2	4	11	6	3	12	8	8	10	0	16	8	7	11	9	0	0	0	0	0	1	0	7	0
June	10.8	S.	43	W.	2	5	6	9	2	11	10	7	10	0	4	13	13	12	12	0	0	1	1	0	0	0	11	0
July	8.5	SW.	34	E.	1	7	1	5	4	19	9	9	6	2	12	15	4	4	4	0	0	0	0	0	14	0	7	1
August	8.8	SW.	38	SW.	3	6	5	10	3	10	14	8	6	0	13	11	7	11	10	0	0	1	1	0	11	0	9	0
September	9.8	SW.	36	SW.	1	8	7	7	3	8	8	15	3	1	16	12	2	8	6	0	0	0	2	0	4	0	5	0
October	10.9	S.	37	S.	1	6	7	5	4	22	6	5	7	0	17	5	9	10	7	0	0	1	0	0	0	0	6	0
November	13.0	SW.	41	SW.	3	7	1	3	1	14	8	13	13	0	12	3	15	12	7	3	0	0	4	0	0	5	0	0
December	10.8	S.	36	SW.	1	9	1	2	5	17	10	12	6	0	14	6	11	8	8	4	2	0	1	1	0	15	0	0
Year	11.0	SW.	47	SW.	27	81	56	63	35	145	123	114	112	3	156	103	107	103	86	23	7	4	16	11	30	68	56	1

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 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	Thunderstorms	Aurora
January	11.4	SW.	50	W.	3	2	0	0	4	2	9	7	7	0	9	10	12	6	4	8	5	0	0	19	0	28	0	0
February	11.4	NW.	40	W.	1	2	2	2	5	0	4	7	7	0	10	8	11	7	4	8	6	0	0	18	0	29	0	0
March	10.5	NW.	35	NW.	1	2	2	3	4	1	5	0	14	0	13	7	11	2	2	4	1	0	0	6	0	26	0	0
April	13.5	NW.	41	SW.	10	2	1	2	9	2	3	1	10	0	7	6	17	8	4	9	3	1	0	2	0	17	1	0
May	10.1	NW.	37	NW.	1	6	2	2	6	3	5	2	5	0	8	14	9	7	5	0	0	0	0	0	0	0	4	1
June	10.3	SE.	37	SW.	3	2	1	2	8	2	3	8	4	0	7	7	16	14	9	0	0	0	1	0	0	0	6	0
July	8.4	SW.	33	SE.	1	3	2	1	7	3	10	1	4	0	11	14	6	8	5	0	0	0	0	0	1	0	8	0
August	9.9	SE.	62	N.	7	1	0	2	12	8	5	2	6	0	15	7	9	12	11	0	0	2	1	0	2	0	8	1
September	11.4	SE.	36	NW.	2	0	1	1	11	1	10	3	3	0	12	9	9	9	7	1	0	0	1	0	0	1	3	0
October	11.4	W.	38	S.	3	4	1	0	6	5	5	4	6	0	7	11	13	12	9	1	0	1	1	0	0	3	4	1
November	11.1	NW.	45	W.	5	3	1	0	3	4	6	4	9	0	7	8	15	4	2	5	1	0	0	3	0	20	1	0
December	9.7	SE.	31	NW.	0	1	1	2	7	4	7	4	5	0	6	8	17	10	7	11	7	0	2	14	0	27	0	0
Year	10.8	NW.	62	N.	37	28	14	17	82	30	72	43	80	0	112	109	145	99	69	47	23	4	6	62	3	151	35	3

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

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
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	25.822	26.220	25.090	26.5	33.3	32.1	36.2	24.1	30.2	56	11	23	25	25	86	71	75	0.123	0.133	0.134	0.81	0.43	6.5	6.5	6.0	6.4
February	25.724	26.040	25.300	31.1	40.0	39.1	42.7	29.2	36.0	54	20	23	23	24	70	50	55	.122	.125	.132	.28	.08	5.1	5.2	5.0	5.0
March	25.613	25.840	25.120	40.2	48.4	50.1	54.0	36.4	45.2	73	29	29	29	29	64	52	47	.158	.164	.161	2.73	.80	5.7	5.9	4.9	5.2
April	25.546	25.840	25.170	41.4	52.1	54.5	57.7	38.1	47.9	82	25	25	22	24	53	34	33	.137	.126	.130	1.55	.56	5.3	5.4	5.4	5.3
May	25.587	25.890	25.290	56.3	68.8	70.4	74.2	53.5	63.8	89	39	37	36	36	51	34	31	.230	.224	.216	1.33	.50	4.9	4.5	5.7	5.1
June	25.483	25.720	25.040	57.1	72.0	74.4	76.6	54.3	65.4	94	40	35	34	32	47	27	24	.209	.201	.184	.41	.36	3.0	3.3	3.6	3.4
July	25.600	25.820	25.340	67.7	84.2	86.3	89.2	65.7	77.4	100	51	41	41	39	40	24	21	.264	.265	.245	.38	.22	2.2	2.3	2.9	2.8
August	25.619	25.840	25.390	65.2	82.2	83.9	86.4	62.6	74.5	99	54	38	38	34	38	22	18	.234	.232	.201	.17	.15	2.0	2.3	2.7	2.8
September	25.634	25.870	25.306	58.1	75.6	76.2	79.9	54.4	67.2	92	41	31	32	31	38	21	21	.176	.183	.176	.16	.15	1.8	3.0	3.6	2.7
October	25.635	25.950	25.170	47.5	59.8	58.5	64.1	43.2	53.6	81	34	32	33	35	57	40	44	.180	.190	.202	1.83	.76	3.9	4.0	4.6	4.5
November	25.724	26.170	25.150	36.8	41.9	42.4	47.4	33.6	40.5	63	18	27	29	31	69	55	65	.150	.161	.177	1.86	.58	5.6	6.3	5.9	6.3
December	25.775	26.150	25.240	25.9	31.3	30.3	34.7	22.6	28.6	60	9	21	21	22	80	66	71	.111	.113	.118	.54	.20	5.6	5.2	4.9	5.6
Year	25.647	26.220	25.040	46.2	57.7	58.2	61.9	43.1	52.5	100	9	30	30	30	58	41	42	.174	.176	.173	12.10	.80	4.3	4.5	4.6	4.6

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	29.479	29.950	29.117	45.4	57.1	58.5	62.6	43.5	53.0	79	17	36	36	37	72	50	50	0.247	0.243	0.257	0.65	0.33	5.1	4.7	4.6	5.1
February	29.387	29.770	28.990	49.1	58.1	60.5	64.3	46.8	55.6	78	33	42	43	43	79	59	57	.296	.302	.307	2.85	.92	6.2	5.6	5.8	5.9
March	29.227	29.610	28.790	55.8	70.5	72.9	77.4	53.7	65.6	95	33	48	50	48	76	48	43	.365	.358	.337	2.34	2.23	5.5	4.2	4.4	4.6
April	29.179	29.560	28.788	56.3	70.0	73.1	77.4	54.2	65.8	93	37	49	49	49	79	49	47	.386	.372	.373	1.70	.87	5.8	4.3	3.6	4.7
May	29.199	29.580	28.900	66.2	79.5	81.3	84.9	64.5	74.7	97	54	58	57	58	77	52	49	.507	.497	.513	3.90	3.03	5.7	5.2	4.1	5.1
June	29.092	29.340	28.788	73.8	85.9	87.7	91.8	71.7	81.8	99	60	69	67	67	87	55	53	.725	.668	.674	3.29	2.47	6.4	4.9	1.6	4.4
July	29.241	29.420	29.070	76.1	90.0	92.1	95.5	74.4	85.0	100	71	72	66	65	86	45	42	.774	.639	.614	1.03	.88	5.3	4.1	3.5	4.2
August	29.235	29.380	29.050	76.7	91.6	91.9	97.5	75.7	86.6	102	68	72	66	64	84	43	42	.775	.634	.610	1.21	1.06	3.4	4.0	4.5	4.0
September	29.249	29.460	29.107	69.7	81.7	80.8	86.1	68.7	77.4	95	58	64	62	63	83	55	59	.614	.570	.608	6.30	5.27	5.7	5.5	4.8	5.4
October	29.300	29.560	29.011	64.8	79.4	78.8	84.6	63.5	74.0	94	49	60	58	61	86	50	56	.558	.513	.550	1.69	1.65	5.4	3.6	2.1	3.9
November	29.422	29.830	29.070	53.1	64.1	62.4	68.3	50.4	59.4	82	38	46	47	48	79	57	62	.348	.358	.358	2.29	1.91	5.9	5.9	5.4	5.9
December	29.425	29.770	29.040	45.4	58.4	57.0	63.4	43.6	53.5	85	31	39	40	42	78	54	59	.254	.269	.290	2.96	1.39	4.6	5.1	4.1	5.0
Year	29.286	29.950	28.788	61.0	73.9	74.8	79.5	59.2	69.4	102	17	55	53	54	80	51	52	.487	.452	.458	30.20	3.27	5.4	4.8	4.0	4.8

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	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	30.038	30.210	29.700	50.9	64.0	61.7	66.8	48.7	57.8	81	40	40	45	48	69	51	62	0.257	0.306	0.339	0.21	0.21	2.4	4.2	4.2	3.9
February	29.978	30.250	29.660	51.3	63.3	62.0	66.1	48.9	57.5	80	37	41	45	46	72	53	58	.271	.305	.318	.79	.63	4.2	3.8	3.0	3.7
March	29.957	30.100	29.770	54.2	63.6	61.7	65.8	53.1	59.4	74	46	50	52	53	86	67	74	.363	.390	.402	.69	.32	6.5	4.3	3.6	4.6
April	29.882	30.050	29.675	53.7	63.8	63.1	66.6	52.5	59.6	74	47	49	51	52	86	65	67	.352	.381	.387	.14	.13	5.3	2.7	3.0	3.4
May	29.841	29.960	29.694	59.4	65.3	64.0	67.3	58.7	63.0	80	56	56	56	55	87	72	74	.441	.447	.426	.36	.32	8.8	6.9	6.9	7.3
June	29.777	29.870	29.635	60.7	66.5	65.7	68.2	59.8	64.0	74	56	57	59	59	88	77	78	.469	.502	.495	.09	.07	9.6	3.9	4.9	5.4
July	29.821	29.970	29.718	62.5	69.2	68.4	71.2	61.9	66.6	78	59	59	60	60	88	72	74	.502	.515	.514	T.	T.	9.0	2.0	2.1	3.5
August	29.834	29.950	29.699	63.6	69.7	69.0	71.9	62.4	67.2	78	59	60	61	61	90	75	76	.524	.542	.535	.03	.02	8.5	2.2	2.5	3.5
September	29.780	29.950	29.540	61.5	70.0	69.0	71.9	60.4	66.2	80	58	59	60	60	91	70	74	.496	.514	.516	T.	T.	4.9	1.1	2.0	2.2
October	29.864	30.060	29.480	57.6	66.7	64.1	68.2	56.3	62.2	75	50	53	58	56	84	68	74	.402	.448	.446	.14	.14	5.4	3.0	3.8	4.1
November	29.960	30.180	29.730	54.9	67.1	62.8	68.5	52.0	60.2	83	45	44	46	49	69	51	65	.301	.328	.363	.63	.43	3.6	3.8	3.6	3.8
December	30.006	30.260	29.789	50.3	62.8	60.0	64.8	47.4	56.1	74	38	40	42	44	68	50	60	.255	.278	.306	2.42	1.03	3.4	2.8	2.9	2.7
Year	29.895	30.260	29.480	56.7	66.0	64.3	68.1	55.2	61.6	83	37	51	53	54	82	64	70	.386	.413	.421	5.50	1.03	6.0	3.4	3.5	4.0

SANDUSKY, OHIO

[ϕ=41° 25′ N.; λ=82° 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	29.356	29.810	28.310	24.2	30.2	----	35.4	21.6	28.5	58	−1	20	22	----	83	70	----	0.121	0.133	----	1.53	0.61	7.8	6.7	----	7.1
February	29.372	29.840	28.770	26.9	33.0	----	36.7	22.7	29.7	52	4	23	24	----	83	69	----	.130	.137	----	1.79	.48	7.1	7.7	----	6.8
March	29.243	29.830	28.460	32.5	40.5	----	44.3	27.9	36.1	76	14	26	28	----	77	62	----	.151	.172	----	2.63	1.42	6.4	5.9	----	6.5
April	29.255	29.620	28.710	42.3	49.7	----	53.9	37.2	45.6	78	25	34	34	----	72	57	----	.204	.206	----	2.34	1.21	7.4	7.3	----	7.0
May	29.289	29.809	28.940	56.9	64.7	----	68.1	48.9	58.5	90	40	45	44	----	67	50	----	.319	.307	----	1.92	.85	4.5	5.1	----	4.9
June	29.179	29.580	28.850	63.7	69.5	----	72.8	56.3	64.6	85	44	56	56	----	76	64	----	.455	.461	----	5.26	1.59	6.5	7.3	----	6.7
July	29.313	29.650	29.050	72.0	80.5	----	84.2	65.4	74.8	92	55	64	64	----	76	59	----	.603	.607	----	4.04	1.22	5.0	5.3	----	5.2
August	29.353	29.610	29.080	71.8	80.0	----	83.3	64.9	74.1	96	54	64	64	----	78	58	----	.610	.599	----	2.93	1.10	4.5	4.8	----	4.7
September	29.376	29.670	29.030	57.9	69.8	----	72.7	52.7	62.7	92	34	50	49	----	77	49	----	.384	.365	----	.73	.33	4.9	5.2	----	4.8
October	29.414	29.840	29.050	52.7	63.1	----	66.8	47.9	57.4	88	28	48	48	----	84	60	----	.358	.365	----	3.05	.94	5.6	6.4	----	6.0
November	29.372	29.770	28.810	40.6	46.8	----	49.8	38.2	44.0	70	19	36	35	----	82	65	----	.219	.214	----	2.57	.79	8.7	8.6	----	8.4
December	29.429	29.730	28.590	30.8	37.4	----	40.4	27.8	34.1	51	9	26	28	----	82	67	----	.146	.157	----	1.81	.79	6.8	6.9	----	7.1
Year	29.329	29.840	28.310	47.7	55.4	----	59.0	42.6	50.8	96	−1	41	41	----	78	61	----	.308	.310	----	30.50	1.59	6.3	6.4	----	6.3

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

SALT LAKE CITY, UTAH

[H_b=4,360 ft.; h_t=163 ft.; h_r=156 ft.; h_a=203 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: Thunderstorms	Aurora
	Miles		*Mi.*																									
January	4.1	NW.	26	N.	0	0	5	1	9	7	4	9	28	1	8	7	16	6	5	10	6	0	4	12	0	28	0	0
February	5.3	NW.	24	W.	0	5	2	2	7	4	2	10	26	0	12	7	10	7	4	9	5	0	1	1	0	21	0	0
March	6.2	NW.	36	NW.	1	8	4	1	9	11	2	2	25	0	10	8	13	14	12	7	5	0	0	0	0	8	2	0
April	7.5	NW.	30	SE.	0	6	3	5	8	15	3	4	16	0	9	14	7	6	4	4	2	0	0	0	0	8	2	0
May	7.2	NW.	32	SE.	0	9	4	9	9	12	2	1	14	2	10	14	7	8	5	0	0	0	0	0	0	0	11	0
June	6.9	NW.	30	SE.	0	9	3	7	6	12	2	2	19	0	15	11	4	4	3	0	0	0	0	0	1	0	5	0
July	7.5	S.	37	W.	2	7	6	6	11	18	0	0	14	0	21	8	2	4	3	0	0	1	0	0	18	0	5	1
August	6.9	S.	30	S.	0	11	2	4	9	13	0	4	16	3	22	7	2	2	1	0	0	1	0	0	11	0	4	0
September	6.5	S.	34	SE.	1	5	0	4	12	13	2	3	17	4	18	10	2	2	1	0	0	0	0	0	3	0	1	0
October	6.2	NW.	34	NW.	1	6	3	4	12	7	2	3	25	0	12	11	8	8	7	2	0	1	0	0	0	0	1	1
November	5.0	NW.	30	S.	0	3	2	3	10	14	2	11	15	0	8	12	12	12	9	7	4	0	0	0	0	11	1	0
December	4.6	NW.	36	NW.	1	6	4	2	6	8	2	11	23	0	6	14	11	8	5	15	8	0	2	13	0	30	0	0
Year	6.2	NW.	37	W.	6	75	38	48	108	134	23	60	236	10	149	123	94	81	59	54	30	3	7	26	33	106	32	2

SAN ANTONIO, TEX.

[H_b=693 ft.; h_t=119 ft.; h_r=112 ft.; h_a=132 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	6.0	NE.	30	NW.	0	9	18	4	7	13	2	2	7	0	11	10	10	6	4	1	1	0	4	1	0	4	0	0
February	6.4	NE.	25	NW.	0	8	20	3	6	10	2	0	8	1	9	9	11	9	6	0	0	0	1	0	0	0	4	0
March	7.1	NE.	27	N.	0	8	16	5	9	9	4	0	11	0	15	6	10	4	3	1	0	2	2	0	4	0	2	0
April	8.7	SE.	30	SE.	0	6	9	0	20	14	2	0	9	0	13	9	8	8	5	0	0	0	0	0	2	0	4	0
May	6.2	SE.	32	NW.	0	6	15	9	17	9	0	1	5	0	12	8	11	6	5	0	0	0	0	0	7	0	7	0
June	8.1	SE.	27	NE.	0	2	4	11	25	15	0	1	1	0	9	19	2	4	4	0	0	0	0	0	22	0	4	0
July	6.8	SE.	30	SW.	0	0	0	16	35	10	1	0	0	0	13	14	4	6	3	0	0	0	0	0	29	0	5	0
August	6.0	SE.	29	N.	0	4	8	9	23	9	1	0	3	0	13	16	2	3	2	0	0	0	0	0	29	0	6	0
September	5.8	NE.	20	NE.	0	8	33	5	6	7	1	0	0	0	10	10	10	10	7	0	0	0	0	0	14	0	2	0
October	5.5	SE.	19	N.	0	12	9	8	20	8	3	0	2	0	12	15	4	3	1	0	0	0	0	0	6	0	2	0
November	5.8	NE.	25	NW.	0	13	16	6	8	5	2	0	5	0	12	3	15	6	5	0	0	0	2	0	0	0	1	0
December	5.5	NE.	27	NW.	0	12	19	4	4	8	5	0	10	0	12	9	10	12	6	0	0	0	4	0	0	1	0	0
Year	6.5	SE.	32	NW.	0	93	167	80	186	117	23	4	61	1	141	128	97	77	51	2	1	2	13	1	113	5	37	0

SAN DIEGO, CALIF.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	4.3	NW.	24	S.	0	5	16	2	2	6	3	1	20	1	16	10	5	2	1	0	0	1	1	0	0	0	1	0
February	5.1	NW.	25	W.	0	4	11	8	1	5	7	5	16	1	15	9	5	4	3	0	0	0	3	0	0	0	0	0
March	5.6	NW.	21	W.	0	5	6	8	3	4	3	12	20	1	14	9	8	7	4	0	0	0	1	0	0	0	0	0
April	5.7	W.	18	W.	0	3	1	7	6	2	4	16	19	2	18	10	2	2	1	0	0	0	0	0	0	0	0	0
May	5.7	SW.	19	SW.	0	5	1	2	3	10	18	14	9	0	3	11	17	5	2	0	0	0	0	0	0	0	0	0
June	6.2	W.	17	W.	0	7	0	1	3	9	15	17	8	0	12	8	10	2	1	0	0	0	0	0	0	0	0	0
July	5.6	W.	17	S.	0	6	4	2	1	4	17	20	8	0	20	10	1	0	0	0	0	0	0	0	0	0	0	0
August	5.6	NW.	18	NW.	0	11	3	1	1	3	13	16	14	0	19	8	4	2	0	0	0	0	0	0	0	0	2	0
September	5.4	NW.	18	NW.	0	9	2	1	4	2	7	10	23	2	24	4	2	0	0	0	0	0	6	0	0	0	0	0
October	5.3	NW.	19	S.	0	9	6	7	2	2	3	7	26	0	13	14	4	1	1	0	0	1	4	0	0	0	1	0
November	4.5	NW.	23	S.	0	4	6	7	3	2	2	6	29	1	13	11	6	5	4	0	0	0	2	0	0	0	0	0
December	4.5	NW.	27	W.	0	7	8	8	6	2	7	2	20	2	19	8	4	7	5	0	0	0	3	0	0	0	0	0
Year	5.3	NW.	27	W.	0	75	64	54	35	51	99	126	218	10	186	112	68	37	22	0	0	2	20	0	0	0	4	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	Thunderstorms	Aurora
January	11.3	SW.	35	W.	2	0	1	1	2	3	20	3	1	0	4	11	16	12	6	10	6	0	2	12	0	23	0	0
February	9.8	SW.	27	NW.	0	1	2	3	2	4	13	3	1	0	4	10	15	16	12	12	9	0	0	10	0	24	0	0
March	10.0	W.	32	SW.	0	4	2	3	2	3	8	7	2	0	5	13	13	11	7	13	8	0	0	3	0	25	3	0
April	10.4	SW.	38	SW.	2	3	4	1	1	8	8	3	2	0	1	15	14	14	10	7	2	0	0	0	0	9	1	0
May	6.6	SW.	29	W.	0	3	5	4	2	7	5	4	1	0	11	13	7	10	9	0	0	0	0	0	0	0	5	0
June	7.8	SW.	22	NW.	0	1	3	3	1	9	9	4	0	0	5	10	15	15	11	0	0	0	0	0	0	0	5	0
July	5.9	SW.	20	NW.	0	1	3	0	1	4	16	5	1	0	7	18	6	12	11	0	0	0	0	0	6	0	11	1
August	6.0	NE.	23	NW.	0	3	5	1	5	8	8	0	0	1	10	15	6	9	6	0	0	0	0	0	7	0	6	0
September	7.6	SW.	25	NW.	0	3	2	1	1	4	15	1	2	1	9	18	3	9	4	0	0	0	0	0	1	0	1	0
October	7.7	SW.	34	NW.	1	2	0	0	2	6	15	5	1	0	6	14	11	12	9	0	0	0	0	0	0	1	3	0
November	10.1	SW.	28	W.	0	0	0	1	2	6	13	4	4	0	3	2	25	14	10	6	3	0	0	0	0	5	0	0
December	7.7	SW.	30	W.	0	2	0	1	3	9	13	2	1	0	6	6	19	11	5	10	4	0	0	3	0	20	0	0
Year	8.4	SW.	38	SW.	5	23	27	19	24	71	145	41	16	2	71	146	150	145	100	58	32	0	2	28	14	107	35	1

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

SANDY HOOK, N. J.

[ϕ=40° 28′ N.; λ=74° 01′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	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	30.580	28.890	30.6	35.8	33.2	39.6	27.1	33.4	54	13	22	22	22	68	57	63	0.126	0.129	0.133	1.37	0.51	4.7	4.5	3.5	5.2
February	30.056	30.710	29.230	29.9	34.0	34.0	38.5	26.6	32.6	50	9	22	23	23	72	64	64	.132	.135	.133	4.71	1.28	5.0	5.4	4.0	5.4
March	29.883	30.480	29.195	34.9	40.0	38.7	44.5	32.1	38.3	68	20	26	28	29	70	61	67	.151	.157	.163	2.44	.84	4.5	5.8	3.7	5.4
April	29.934	30.500	29.240	44.0	49.4	47.6	54.1	40.1	47.1	75	31	34	34	36	69	58	67	.204	.209	.221	4.26	1.17	5.6	5.7	4.0	5.7
May	29.894	30.434	29.500	54.4	60.1	56.6	63.6	50.7	57.2	76	43	46	46	48	74	63	74	.314	.322	.337	1.91	.59	5.6	5.7	5.8	6.9
June	29.872	30.194	29.510	64.4	69.6	65.7	72.4	60.7	66.6	82	56	58	57	59	80	67	80	.489	.487	.505	6.37	1.40	6.7	5.6	6.8	6.3
July	29.939	30.260	29.650	71.9	78.8	74.0	81.9	67.9	74.9	90	63	66	66	66	82	66	78	.639	.645	.655	8.42	3.26	4.5	4.3	5.9	4.8
August	29.996	30.280	29.620	72.2	77.5	73.8	80.4	68.8	74.6	93	61	67	68	69	85	73	84	.674	.689	.705	6.31	3.34	6.8	5.8	5.8	6.3
September	30.023	30.380	29.670	61.9	67.4	65.0	69.6	59.7	64.6	83	45	54	54	56	77	64	73	.444	.450	.472	4.08	1.29	5.6	5.8	4.2	6.1
October	30.107	30.530	29.600	55.0	62.1	58.0	64.6	51.8	58.2	82	36	47	47	48	74	58	72	.342	.351	.368	1.22	.85	3.0	3.3	3.2	3.8
November	30.002	30.490	29.470	44.4	49.5	47.3	51.7	41.7	46.7	67	25	38	38	38	77	66	72	.238	.248	.245	1.89	.62	6.9	6.5	4.6	6.8
December	30.100	30.480	29.250	35.8	40.4	38.7	43.7	33.9	38.8	68	22	30	31	31	78	68	74	.171	.177	.181	1.07	.33	5.2	4.9	3.8	5.1
Year	29.983	30.710	28.890	50.0	55.4	52.7	58.7	46.8	52.8	93	9	42	43	44	76	64	72	.327	.333	.343	44.05	3.34	5.3	5.3	4.6	5.6

SAN FRANCISCO, CALIF.

[ϕ=37° 48′ N.; λ=122° 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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	30.062	30.280	29.730	47.4	52.2	53.7	55.2	45.7	50.4	63	40	44	42	43	87	69	70	0.288	0.272	0.288	2.40	1.17	4.4	5.3	5.8	5.5
February	29.963	30.300	29.350	50.5	56.9	58.6	61.4	48.8	55.1	67	44	46	43	44	85	61	60	.310	.282	.292	1.97	1.14	4.1	4.1	4.3	4.6
March	29.892	30.160	29.600	53.7	60.8	60.3	64.1	52.4	58.2	77	47	50	48	50	88	65	70	.362	.342	.364	4.65	2.01	5.8	5.8	6.0	5.9
April	29.889	30.120	29.660	51.9	61.6	60.8	64.6	50.9	57.8	80	45	46	46	46	82	58	60	.316	.309	.311	1.31	.98	4.6	3.7	4.0	3.7
May	29.797	30.070	29.633	53.4	63.1	60.5	65.3	52.5	58.9	77	50	49	50	50	86	64	69	.346	.365	.360	.26	.26	6.1	3.3	4.3	4.4
June	29.729	29.860	29.470	54.4	65.8	63.5	68.2	52.9	60.6	85	50	50	51	50	86	61	64	.359	.376	.363	T.	T.	4.8	1.4	0.3	1.7
July	29.759	29.900	29.600	53.9	62.2	60.6	64.4	52.9	58.6	75	50	51	52	52	92	71	74	.379	.390	.390	T.	T.	8.8	3.5	3.3	4.9
August	29.783	29.920	29.640	53.4	62.1	59.7	64.4	52.3	58.4	72	50	51	52	52	94	71	76	.376	.397	.387	T.	T.	7.9	3.4	3.6	5.0
September	29.774	30.010	29.531	55.5	66.1	63.7	69.0	53.7	61.4	99	50	51	50	50	87	62	68	.377	.369	.370	.03	.02	6.2	3.4	3.5	4.7
October	29.849	30.040	29.421	54.3	63.8	61.1	66.5	52.6	59.6	87	49	49	51	50	84	65	69	.352	.378	.366	.13	.10	5.0	3.5	3.2	4.3
November	29.956	30.250	29.490	52.0	59.4	59.0	62.6	50.2	56.4	70	45	46	46	47	83	64	66	.319	.322	.325	3.35	1.48	3.2	3.7	4.2	4.0
December	30.000	30.300	29.480	46.5	51.6	52.5	54.8	44.5	49.6	63	36	42	42	41	85	71	68	.273	.269	.267	4.89	1.40	4.3	4.4	4.0	4.3
Year	29.871	30.300	29.350	52.2	60.5	59.5	63.4	50.8	57.1	99	36	48	48	48	87	65	68	.338	.339	.340	18.90	2.01	5.4	3.8	3.9	4.5

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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	30.087	30.310	29.750	----	53.9	55.1	57.9	39.2	48.6	72	26	----	41	42	----	65	64	----	0.269	0.281	0.98	0.54	----	5.1	5.3	5.5
February	29.988	30.310	29.400	----	58.8	60.4	63.6	40.9	52.2	70	34	----	41	41	----	55	52	----	.267	.270	1.78	1.23	----	4.3	3.8	4.6
March	29.918	30.200	29.640	----	63.6	63.5	67.3	48.2	57.8	83	39	----	49	50	----	61	64	----	.353	.368	2.12	.78	----	5.9	5.9	6.2
April	29.920	30.150	29.720	----	64.8	65.3	69.0	43.6	56.3	83	36	----	45	46	----	50	52	----	.301	.321	.96	.59	----	3.5	3.1	3.7
May	29.811	30.020	29.650	----	70.6	69.5	74.9	50.2	62.6	88	39	----	50	51	----	49	53	----	.358	.374	.15	.15	----	2.3	2.7	3.1
June	29.759	29.890	29.500	----	74.7	73.8	78.5	50.9	64.7	97	46	----	50	50	----	43	45	----	.361	.366	.01	.01	----	.9	.2	1.4
July	29.778	29.920	29.620	----	75.0	74.1	78.9	53.3	66.1	94	48	----	55	56	----	51	54	----	.435	.443	0	0	----	.7	.8	2.3
August	29.803	29.980	29.668	----	74.6	74.6	79.5	53.1	66.3	88	49	----	54	56	----	50	53	----	.423	.446	0	0	----	.1	.2	2.0
September	29.790	30.030	29.537	----	74.0	74.4	78.9	50.7	64.8	101	43	----	49	51	----	45	47	----	.356	.374	0	0	----	1.8	1.1	3.0
October	29.864	30.050	29.416	----	67.8	66.4	72.1	47.5	59.8	91	38	----	47	49	----	49	56	----	.333	.358	.01	.01	----	2.3	1.5	3.1
November	29.978	30.260	29.530	----	61.6	59.9	64.9	42.1	53.5	74	33	----	44	46	----	55	62	----	.301	.318	2.47	1.27	----	3.5	3.5	3.8
December	30.017	30.320	29.540	----	53.5	53.3	57.5	36.0	46.8	69	27	----	41	42	----	65	67	----	.268	.274	2.40	.80	----	3.3	3.2	3.4
Year	29.893	30.320	29.400	----	66.1	65.9	70.2	46.3	58.3	101	26	----	47	48	----	53	56	----	.335	.349	10.88	1.27	----	2.8	2.6	3.5

SAN JUAN, P. R.

[ϕ=18° 29′ N.; λ=66° 07′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.952	30.070	29.870	74.4	77.6	----	78.8	70.1	74.4	90	66	70	72	----	86	82	----	0.725	0.778	----	3.87	0.62	5.2	5.0	----	5.7
February	29.972	30.000	29.870	74.8	78.7	----	79.8	69.7	74.8	86	66	70	71	----	83	79	----	.721	.768	----	2.89	.74	5.6	4.2	----	5.0
March	29.942	30.060	29.820	76.6	78.9	----	80.8	69.6	75.2	87	67	70	71	----	80	78	----	.731	.767	----	1.67	.64	4.1	4.4	----	4.6
April	29.920	30.005	29.810	78.5	79.6	----	81.0	70.7	75.8	87	67	70	71	----	77	76	----	.747	.764	----	.83	.19	4.6	3.9	----	4.2
May	29.875	30.000	29.690	80.6	82.5	----	85.6	73.2	79.4	90	70	75	76	----	82	80	----	.858	.908	----	9.19	4.17	5.5	6.2	----	6.6
June	29.911	30.002	29.830	82.2	83.1	----	84.7	74.8	79.8	91	72	76	78	----	81	84	----	.889	.947	----	2.88	.94	5.1	5.4	----	5.7
July	29.945	30.040	29.840	82.1	83.2	----	84.9	75.0	80.0	90	70	77	78	----	84	84	----	.918	.950	----	8.58	3.34	5.2	5.0	----	5.6
August	29.898	30.000	29.790	82.0	83.6	----	85.3	75.4	80.4	90	71	76	77	----	82	80	----	.891	.915	----	10.39	5.51	5.0	4.7	----	5.6
September	29.844	29.978	28.740	82.1	83.6	----	85.2	75.2	80.2	90	70	76	76	----	81	78	----	.889	.888	----	13.66	8.56	5.5	5.1	----	5.9
October	29.841	29.940	29.600	81.3	83.4	----	85.3	74.5	79.9	89	72	74	75	----	78	76	----	.830	.862	----	2.47	.61	5.3	4.7	----	5.3
November	29.830	29.943	29.710	79.1	82.7	----	83.9	73.9	78.9	88	72	73	74	----	82	74	----	.815	.826	----	8.21	1.81	5.3	4.4	----	5.4
December	29.888	29.991	29.780	76.5	79.8	----	81.0	71.8	76.4	87	68	70	71	----	81	74	----	.735	.750	----	4.75	.91	5.6	4.5	----	5.5
Year	29.902	30.000	28.740	79.2	81.5	----	83.0	72.8	77.9	91	66	73	74	----	81	79	----	.812	.843	----	69.11	8.56	5.2	4.8	----	5.4

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

SANDY HOOK, N. J.

[H_b=22 ft.; h_t=10 ft.; h_r=3 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: Thunderstorms	Aurora
	Miles		*Mi.*																									
January	17.9	W.	54	SW.	12	2	3	1	3	5	21	14	13	0	10	12	9	10	7	5	3	0	0	9	0	19	0	0
February	14.7	W.	46	W.	5	4	7	3	3	8	13	8	12	0	11	6	12	9	9	4	2	0	4	6	0	21	2	0
March	15.8	NW.	44	W.	11	4	6	6	2	4	12	11	17	0	9	11	11	11	9	6	4	0	3	0	0	14	2	0
April	16.8	W.	50	NE.	14	3	11	1	6	9	9	14	7	0	8	10	12	11	10	2	0	0	0	0	0	1	0	0
May	10.2	S.	37	SW.	3	3	11	7	7	13	5	5	11	0	8	11	12	11	8	0	0	0	3	0	0	0	1	0
June	11.4	S.	46	NW.	2	3	7	7	3	17	10	8	5	0	6	12	12	16	15	0	0	0	1	0	0	0	10	0
July	10.4	SW.	41	N.	3	5	6	0	2	15	12	15	7	0	13	7	11	12	12	0	0	0	0	0	1	0	9	0
August	10.6	SW.	43	NE.	4	4	7	5	6	18	16	5	4	0	9	9	13	17	10	0	0	0	2	0	3	0	8	0
September	13.5	SW.	52	NE.	5	6	12	2	3	7	15	7	8	0	7	8	15	10	9	0	0	0	2	0	0	0	2	0
October	13.0	SW.	37	SW.	2	5	2	1	0	14	19	7	14	0	13	14	4	5	4	0	0	0	1	0	0	0	1	0
November	14.3	SW.	41	NW.	9	3	3	3	2	5	20	9	15	0	3	13	14	10	6	1	0	0	2	0	0	2	0	0
December	13.2	W.	41	N.	8	4	5	1	3	8	8	18	15	0	11	9	11	9	7	2	2	0	3	1	0	12	0	0
Year	13.5	SW.	54	SW.	78	46	80	37	40	120	160	121	128	0	106	122	136	131	106	20	11	0	21	16	4	69	35	0

SAN FRANCISCO, CALIF.

[H_b=155 ft.; h_t=208 ft.; h_r=202 ft.; h_a=243 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	5.5	N.	30	NW.	0	17	5	4	9	3	0	7	17	0	11	10	10	9	9	0	0	0	3	0	0	0	1	0
February	6.2	SE.	37	N.	1	8	7	1	13	6	1	11	8	3	14	8	7	8	7	0	0	0	2	0	0	0	1	0
March	6.5	W.	30	S.	0	4	3	1	5	5	16	19	8	1	9	8	14	15	11	0	0	1	0	0	0	0	0	0
April	8.3	W.	32	W.	0	2	0	0	4	5	8	29	10	2	14	12	4	6	4	0	0	0	1	0	0	0	2	0
May	7.4	W.	28	W.	0	0	1	0	0	3	11	41	5	1	15	7	9	1	1	0	0	0	0	0	0	0	1	0
June	9.5	W.	33	W.	1	0	0	0	1	1	12	40	4	2	26	4	0	0	0	0	0	0	0	0	0	0	0	0
July	7.5	SW.	25	W.	0	0	0	0	0	4	20	34	2	2	10	14	7	0	0	0	0	0	0	0	0	0	0	0
August	6.8	SW.	29	W.	0	0	0	0	0	6	24	30	2	0	10	15	6	0	0	0	0	0	0	0	0	0	0	0
September	6.3	W.	30	W.	0	1	1	0	2	1	18	30	4	3	11	10	9	2	0	0	0	0	0	0	2	0	0	0
October	6.3	W.	35	N.	1	2	1	2	2	2	11	34	4	4	16	8	7	3	1	0	0	0	2	0	0	0	0	0
November	5.6	W.	30	S.	0	9	4	1	13	3	5	18	7	0	13	10	7	6	5	0	0	0	4	0	0	0	0	0
December	5.4	N.	42	NW.	1	18	6	3	11	5	2	3	13	1	15	8	8	8	6	0	0	0	2	0	0	0	0	0
Year	6.8	W.	42	NW.	4	61	28	12	60	44	128	296	84	19	164	114	88	58	44	0	0	1	14	0	2	0	5	0

SAN JOSE, CALIF.

[H_b=141 ft.; h_t=12 ft.; h_r=3 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	Thunderstorms	Aurora
January	3.7	NW.	19	W.	0	2	0	2	1	0	3	6	17	0	8	12	11	7	6	0	0	0	7	0	0	5	0	0
February	5.5	SE.	26	SE.	0	5	2	0	3	1	1	3	14	0	14	6	9	7	4	0	0	0	3	0	0	0	0	0
March	5.5	SE.	28	NW.	0	2	0	0	5	3	2	2	17	0	8	8	15	12	9	0	0	1	1	0	0	0	0	0
April	6.0	NW.	23	NW.	0	6	0	0	0	0	0	2	22	0	17	7	6	4	4	0	0	0	0	0	0	0	0	0
May	6.1	NW.	21	SW.	0	4	0	0	0	0	1	2	24	0	19	8	4	1	1	0	0	0	0	0	0	0	0	0
June	6.1	NW.	25	SW.	0	7	0	0	0	0	1	0	22	0	26	4	0	1	0	0	0	0	0	0	4	0	0	0
July	6.0	NW.	19	SE.	0	2	0	0	0	0	0	0	26	0	23	8	0	0	0	0	0	0	0	0	1	0	0	0
August	5.5	NW.	19	SE.	0	2	0	0	0	0	0	1	28	0	25	6	0	0	0	0	0	0	0	0	0	0	0	0
September	4.5	NW.	20	NW.	0	4	0	0	0	0	1	0	25	0	16	13	1	0	0	0	0	0	1	0	3	0	0	0
October	4.7	NW.	22	NW.	0	4	0	0	0	0	0	1	26	0	17	12	2	1	0	0	0	0	1	0	1	0	0	0
November	4.7	NW.	26	SE.	0	5	0	0	0	1	1	2	21	0	15	11	4	5	3	0	0	0	2	0	0	0	0	0
December	4.3	S.	30	SE.	0	0	1	2	3	0	3	6	16	0	19	5	7	7	6	0	0	1	3	0	0	10	0	0
Year	5.2	NW.	30	SE.	0	43	3	4	12	5	13	25	261	0	207	100	59	45	33	0	0	2	18	0	9	15	0	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	Thunderstorms	Aurora
January	13.9	E.	34	E.	1	1	2	16	7	4	1	0	0	0	3	25	3	27	23	0	0	0	0	0	0	0	0	0
February	11.9	E.	35	E.	1	0	3	14	7	4	1	0	0	0	4	23	2	20	15	0	0	0	0	0	0	0	0	0
March	12.0	E.	28	E.	0	0	1	21	7	1	1	0	0	0	13	15	3	10	9	0	0	0	0	0	0	0	0	0
April	13.3	E.	30	E.	0	0	2	23	5	0	0	0	0	0	13	16	1	12	8	0	0	0	0	0	0	0	0	0
May	9.4	E.	36	NE.	2	0	3	19	4	5	0	0	0	0	4	15	12	12	11	0	0	0	0	0	2	0	0	0
June	12.6	E.	30	E.	0	0	0	28	2	0	0	0	0	0	5	18	7	12	9	0	0	0	0	0	1	0	0	0
July	12.8	E.	32	E.	0	0	0	28	1	2	0	0	0	0	2	25	4	19	16	0	0	0	0	0	1	0	7	0
August	10.3	E.	35	E.	2	0	0	20	3	5	3	0	0	0	5	20	6	20	18	0	0	0	0	0	0	0	8	0
September	11.9	E.	150	NE.	3	0	1	22	2	4	0	0	0	1	1	25	4	18	14	0	0	0	0	0	1	0	6	0
October	8.3	E.	29	E.	0	0	1	13	6	8	2	1	0	0	6	21	4	17	16	0	0	0	0	0	0	0	10	0
November	8.5	E.	34	E.	1	0	0	10	5	11	4	0	0	0	5	21	4	24	21	0	0	0	0	0	0	0	3	0
December	11.6	E.	35	E.	2	0	4	11	6	10	0	0	0	0	4	23	4	22	17	0	0	0	0	0	0	0	1	0
Year	11.4	E.	150	NE.	12	1	17	225	55	54	12	1	0	1	65	247	54	213	177	0	0	0	0	0	5	0	47	0

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

SANTA FE, N. MEX.

[ϕ=35° 41′ N.; λ=105° 57′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	23.309	23.600	22.960	25.8	39.6	36.9	45.5	22.1	33.8	56	9	13	15	14	56	34	38	0.079	0.085	0.083	0.01	0.01	2.2	3.4	2.1	2.5
February	23.217	23.460	22.910	25.3	37.1	37.8	42.2	23.0	32.6	56	10	18	20	19	74	50	47	.101	.108	.102	1.22	.82	4.9	4.7	4.5	4.9
March	23.186	23.490	22.810	33.2	47.7	49.0	53.2	30.4	41.8	70	7	21	22	21	61	37	36	.114	.116	.114	1.31	.92	3.8	5.0	5.8	5.2
April	23.138	23.400	22.780	34.8	51.5	52.7	57.3	32.6	45.0	78	17	20	17	18	56	28	33	.106	.095	.101	1.63	1.17	5.1	5.3	6.7	5.5
May	23.273	23.540	23.020	47.2	62.4	62.6	67.6	44.6	56.1	82	33	37	35	34	69	41	39	.222	.206	.198	2.80	1.14	3.7	5.1	6.6	5.0
June	23.193	23.360	22.880	55.2	72.3	76.1	78.8	60.4	64.6	88	39	31	28	25	42	21	17	.180	.161	.133	.11	.11	1.7	2.2	2.5	2.1
July	23.372	23.510	23.180	60.0	77.4	75.4	82.4	57.2	69.8	89	52	44	42	41	58	31	33	.293	.280	.268	.65	.33	3.2	4.6	7.1	4.8
August	23.385	23.538	23.220	55.1	72.7	69.8	76.9	53.8	65.4	88	48	47	46	46	76	41	49	.328	.322	.327	2.60	.45	4.9	4.0	6.8	5.0
September	23.372	23.560	23.160	49.2	70.6	69.7	75.3	47.7	61.5	82	38	36	34	33	61	28	28	.214	.203	.197	.13	.08	1.3	1.7	2.4	1.8
October	23.298	23.490	22.920	44.2	59.7	56.7	64.0	41.2	52.6	78	28	33	31	32	66	38	44	.193	.180	.184	1.81	.61	4.0	4.7	4.6	4.4
November	23.288	23.650	22.960	30.3	42.6	39.4	47.4	27.3	37.4	65	16	24	26	27	75	52	61	.127	.139	.145	.58	.20	4.3	5.4	5.2	4.9
December	23.267	23.580	22.900	22.9	36.8	31.1	41.7	19.8	30.8	59	3	12	15	16	62	41	52	.075	.088	.089	.23	.11	3.3	2.8	2.0	2.7
Year	23.275	23.650	22.780	40.3	55.9	54.8	61.0	37.5	49.3	89	3	28	28	27	63	37	40	.170	.165	.162	13.08	1.17	3.5	4.1	4.7	4.1

SAULT STE. MARIE, MICH.

[ϕ=46° 30′ N.; λ=84° 21′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
January	29.187	29.961	28.117	13.6	18.8	17.5	22.7	8.8	15.8	39	−10	10	16	14	84	86	84	0.082	0.098	0.092	2.35	0.62	8.8	8.0	6.7	8.3
February	29.312	29.950	28.710	8.4	17.7	15.1	21.9	1.9	11.9	35	−30	6	12	13	88	77	89	.063	.079	.082	2.55	.65	6.7	5.8	5.0	7.1
March	29.207	29.750	28.550	15.8	25.2	23.4	29.2	13.1	21.2	46	−13	12	17	19	86	70	82	.083	.098	.105	1.94	.77	5.2	5.8	5.6	5.5
April	29.200	29.572	28.510	28.6	36.5	33.8	40.5	24.5	32.5	69	10	24	26	27	84	66	76	.137	.143	.148	3.80	.96	5.8	5.4	5.3	5.4
May	29.273	29.771	28.914	44.7	53.4	48.3	55.3	38.5	47.4	72	30	38	38	37	78	60	68	.231	.232	.227	1.64	.50	5.5	5.6	5.8	5.4
June	29.156	29.579	28.730	52.6	63.0	59.1	66.8	46.4	56.6	79	33	46	46	46	79	58	66	.314	.349	.326	2.12	.77	6.4	6.5	6.3	5.9
July	29.262	29.608	28.984	59.9	69.0	64.5	72.1	53.9	63.0	91	43	54	57	56	83	67	75	.430	.374	.462	3.46	1.17	6.2	6.4	6.0	5.4
August	29.321	29.616	28.760	60.3	70.7	65.3	73.9	54.5	64.2	88	40	56	57	57	86	64	75	.457	.474	.472	4.09	1.21	4.6	5.4	4.7	4.8
September	29.295	29.677	28.870	48.4	57.1	51.8	59.3	44.7	52.0	76	34	45	46	46	88	67	80	.304	.319	.318	5.47	1.13	8.2	7.1	5.5	7.2
October	29.311	29.716	28.810	43.0	48.8	46.3	52.8	39.1	46.0	76	25	40	41	41	89	75	84	.260	.268	.274	5.12	1.18	8.0	8.1	7.3	8.2
November	29.279	29.760	28.680	32.6	36.5	35.4	39.8	29.3	34.6	52	14	27	28	30	80	71	78	.150	.154	.166	1.12	.44	7.4	7.7	7.6	8.3
December	29.308	29.800	28.734	25.2	31.8	27.8	31.7	22.2	27.0	41	−1	23	24	24	90	82	85	.128	.133	.133	1.39	.30	8.5	8.7	8.0	9.2
Year	29.259	29.961	28.117	36.1	44.0	40.7	47.2	31.4	39.4	91	−30	30	34	34	85	70	78	.220	.227	.234	35.05	1.21	6.8	6.7	6.3	6.7

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
January	30.153	30.610	29.660	42.5	55.2	51.4	60.6	40.6	50.6	78	17	34	39	36	73	54	58	0.228	0.274	0.248	0.39	0.30	4.6	4.0	4.6	4.2
February	30.079	30.430	29.600	47.6	56.5	53.4	61.3	45.0	53.2	73	24	42	45	44	83	68	72	.289	.318	.304	6.69	2.62	5.1	7.4	5.1	6.8
March	29.941	30.292	29.360	54.7	63.9	59.8	68.5	50.6	59.6	84	40	48	50	47	81	63	67	.368	.381	.352	7.16	1.95	5.2	5.5	3.7	5.7
April	29.959	30.370	29.400	61.3	70.4	63.9	73.9	55.4	64.6	82	43	53	52	53	76	55	70	.432	.415	.423	4.12	1.63	4.4	5.4	3.9	4.8
May	29.881	30.290	29.500	67.1	76.8	71.0	79.5	61.8	70.6	90	48	59	58	59	76	54	68	.509	.497	.513	1.23	1.06	4.1	5.4	4.0	5.1
June	29.920	30.070	29.790	75.6	85.2	76.2	87.7	69.6	78.6	96	63	69	69	68	79	60	77	.704	.719	.689	4.15	1.37	5.0	6.3	5.8	6.0
July	29.972	30.130	29.810	78.3	86.7	79.3	89.3	73.0	81.2	94	70	72	72	72	83	63	79	.798	.790	.783	6.02	1.91	5.2	6.3	5.8	5.9
August	29.978	30.130	29.591	78.4	85.9	79.9	88.5	74.0	81.2	93	70	74	73	73	88	67	81	.847	.821	.821	6.29	1.56	5.7	7.1	6.3	6.6
September	29.920	30.140	28.850	72.4	80.3	74.5	82.9	68.6	75.8	91	60	69	69	69	89	70	83	.717	.725	.713	16.87	11.44	5.6	7.1	6.0	6.5
October	30.065	30.370	29.750	65.8	74.9	69.9	77.6	63.3	70.4	86	46	61	61	62	86	64	78	.577	.569	.593	.77	.33	4.4	6.2	2.7	5.4
November	30.110	30.460	29.740	51.6	63.8	58.6	67.3	49.1	58.2	80	31	45	47	46	78	56	65	.331	.357	.345	.90	.81	3.4	4.5	4.1	4.2
December	30.093	30.330	29.740	47.0	57.3	53.6	61.8	45.1	53.4	76	32	40	44	42	79	62	66	.272	.303	.283	1.08	.88	5.1	5.3	5.2	5.2
Year	30.006	30.610	28.850	61.9	71.4	66.0	74.9	58.0	66.4	96	17	56	57	56	81	61	72	.506	.514	.506	55.67	11.44	4.8	5.9	4.8	5.5

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	29.120	29.664	28.110	27.0	32.1	29.5	37.0	22.8	29.9	54	6	23	24	24	83	70	78	0.133	0.140	0.137	1.40	0.60	7.5	6.4	5.0	6.8
February	29.188	29.779	28.450	24.8	31.6	30.7	37.2	20.4	28.8	52	3	21	23	24	84	71	74	.119	.135	.137	2.16	.71	6.6	6.7	5.4	6.0
March	29.031	29.570	28.300	30.8	37.9	36.9	42.7	27.0	34.8	72	13	25	27	28	76	66	68	.139	.156	.157	2.05	.99	7.2	6.6	4.8	6.5
April	29.084	29.550	28.430	40.2	49.9	47.7	55.2	35.3	45.2	80	25	34	37	35	76	64	64	.200	.225	.214	5.03	1.33	7.6	6.0	4.8	6.0
May	29.079	29.621	28.660	54.0	64.0	61.5	68.7	47.1	57.9	89	37	42	42	42	66	49	53	.285	.296	.291	2.68	.73	5.5	7.0	6.0	6.2
June	29.047	29.354	28.710	61.9	70.3	66.6	74.2	55.9	65.0	87	42	54	54	56	76	59	71	.433	.433	.454	6.76	1.52	6.7	6.8	7.7	6.9
July	29.132	29.419	28.920	69.6	79.4	74.4	83.1	62.5	72.8	93	49	62	63	63	78	59	70	.567	.589	.590	8.57	2.23	5.7	6.6	5.7	6.1
August	29.193	29.459	28.870	68.2	77.9	73.5	82.1	63.7	72.9	91	52	64	66	66	85	68	77	.593	.647	.641	6.04	1.87	7.1	7.6	6.5	7.4
September	29.204	29.540	28.850	55.5	66.0	60.9	69.1	51.0	60.0	86	34	50	51	52	83	59	73	.381	.398	.406	1.82	.86	7.0	7.7	4.9	6.7
October	29.266	29.660	28.840	48.6	60.6	55.3	63.8	44.5	54.2	84	27	43	45	46	81	57	71	.298	.325	.332	.66	.21	4.8	5.9	5.2	6.0
November	29.154	29.576	28.571	39.7	47.1	44.0	50.2	35.9	43.0	72	18	34	36	36	79	65	72	.205	.224	.221	1.88	.67	8.3	8.2	6.8	8.1
December	29.245	29.575	28.360	31.8	38.2	35.7	42.3	28.1	35.2	58	12	26	26	26	76	60	67	.141	.145	.148	.49	.34	7.3	6.9	5.3	7.0
Year	29.145	29.779	28.110	46.0	54.6	51.4	58.8	41.2	50.0	93	3	40	41	42	79	62	70	.291	.309	.311	39.49	2.23	6.8	6.9	5.7	6.6

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

SANTA FE, N. MEX.

[H_b=7,013 ft.; h_t=38 ft.; h_r=31 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: Thunderstorms	Aurora
	Miles		*Mi.*																									
January	5.9	NE.	25	N.	0	10	21	4	10	3	2	2	7	3	24	5	2	1	0	1	0	0	0	1	0	29	0	0
February	4.9	N.	18	N.	0	6	10	8	8	4	6	8	7	1	15	6	8	6	4	13	5	0	0	2	0	29	0	0
March	5.9	N.	33	W.	1	12	4	7	8	3	10	5	9	4	10	13	8	5	5	8	4	1	0	1	0	20	2	0
April	5.7	SW.	24	NW.	0	4	7	11	8	4	6	8	10	2	9	13	8	7	4	8	6	0	0	1	0	12	0	0
May	4.9	SW.	21	SW.	0	3	8	12	7	9	11	4	2	6	11	13	7	14	6	1	1	2	0	0	0	0	13	0
June	6.4	SW.	32	SW.	0	3	6	5	17	3	13	10	3	0	23	6	1	1	1	0	0	1	0	0	0	0	2	0
July	5.2	E.	19	NE.	0	6	15	12	12	2	6	3	4	2	8	18	5	11	6	0	0	1	0	0	0	0	20	1
August	4.4	E.	22	NE.	0	5	10	12	13	9	6	3	0	4	11	12	8	15	13	0	0	2	0	0	0	0	19	0
September	4.6	E.	18	NE.	0	4	7	12	10	5	12	5	1	4	24	5	1	2	2	0	0	0	0	0	0	0	4	0
October	5.4	SE.	25	SE.	0	3	10	5	17	4	11	4	3	5	15	9	7	9	8	1	1	1	0	0	0	4	5	0
November	5.0	N.	25	N.	0	8	9	8	13	8	6	3	2	3	13	5	12	7	6	7	5	0	0	1	0	24	3	0
December	5.2	NE.	20	N.	0	12	20	9	11	4	2	0	4	0	19	9	3	5	2	5	4	0	0	3	0	30	0	0
Year	5.3	SE.	33	W.	1	76	127	105	134	55	91	55	52	34	182	114	70	83	57	44	26	8	0	9	0	148	68	1

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	Thunderstorms	Aurora
January	7.6	W.	33	NW.	1	4	5	4	10	5	11	10	13	0	3	4	24	19	11	22	19	0	1	20	0	31	0	0
February	7.7	NW.	36	NW.	1	1	5	12	11	1	4	11	13	0	6	8	15	16	10	18	16	0	1	25	0	29	0	0
March	9.8	NW.	42	NW.	2	3	2	5	14	1	2	9	26	0	7	18	6	17	11	16	14	0	0	20	0	31	0	0
April	8.7	NW.	35	NW.	1	1	6	11	10	2	6	12	12	0	9	12	9	16	13	10	9	1	1	5	0	25	3	0
May	8.1	NW.	28	NW.	0	0	2	7	6	4	5	12	25	1	11	9	11	10	9	0	0	0	2	0	0	2	4	0
June	6.5	W.	26	NW.	0	1	7	7	11	0	7	14	11	2	8	11	11	11	7	0	0	1	2	0	0	0	1	0
July	6.1	W.	38	NW.	1	0	3	8	11	1	5	24	9	1	8	14	9	13	11	0	0	0	0	0	1	0	4	0
August	6.0	SE.	31	NW.	0	5	4	12	19	3	1	6	12	0	14	11	6	11	10	0	0	0	0	0	0	0	4	0
September	7.1	NW.	33	NW.	1	1	8	8	13	4	3	5	18	0	5	8	17	17	17	3	1	0	1	0	0	0	3	0
October	7.7	NW.	31	NW.	0	6	6	9	7	5	9	10	10	0	3	8	20	19	16	4	3	2	0	0	0	5	5	0
November	8.5	NW.	38	NW.	1	13	4	2	16	1	7	3	14	0	2	5	23	12	7	12	5	0	0	2	0	22	0	0
December	7.1	SE.	27	NW.	0	5	5	3	18	5	10	5	8	3	0	4	27	15	10	18	14	0	3	13	0	24	0	0
Year	7.6	NW.	42	NW.	8	40	57	88	146	32	70	121	171	7	76	112	178	176	132	103	81	4	11	85	1	169	24	0

SAVANNAH, GA.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	10.9	W.	39	W.	1	10	2	2	2	8	11	17	10	0	15	8	8	3	2	0	0	0	2	1	0	9	0	0
February	10.2	W.	48	W.	1	5	6	10	3	7	5	14	8	0	6	8	15	10	10	0	0	0	4	0	0	3	1	0
March	10.7	W.	50	W.	4	6	7	7	3	10	9	11	9	0	8	13	10	14	10	0	0	1	3	0	0	0	8	0
April	12.2	S.	38	SW.	4	4	3	3	8	20	5	14	3	0	11	11	8	8	8	0	0	0	0	0	0	0	4	0
May	10.8	W.	29	NW.	0	6	5	9	3	9	11	13	6	0	10	11	10	4	3	0	0	0	0	0	0	0	2	0
June	9.9	SW.	36	SE.	3	1	1	1	5	21	18	10	3	0	7	10	13	14	12	0	0	0	0	0	9	0	16	0
July	8.8	SW.	29	NW.	0	0	3	5	4	15	15	18	2	0	9	11	11	13	10	0	0	0	0	0	14	0	12	0
August	9.1	SE.	39	S.	1	3	7	7	10	14	8	9	3	1	6	11	14	15	15	0	0	0	1	0	9	0	15	0
September	9.3	NE.	52	NW.	4	7	10	11	4	8	8	8	4	0	8	6	16	14	12	0	0	0	1	0	5	0	9	0
October	9.0	NE.	22	E.	0	6	25	10	7	3	6	3	2	0	11	7	13	7	4	0	0	0	5	0	0	0	2	0
November	9.9	NW.	30	W.	0	7	10	7	3	3	3	12	15	0	15	6	9	6	3	0	0	0	3	0	0	1	0	0
December	9.4	NE.	31	NW.	0	11	15	7	3	6	3	7	10	0	12	7	12	5	2	0	0	0	2	0	0	0	0	0
Year	10.0	W.	52	NW.	18	66	94	79	55	124	102	136	75	1	118	109	139	113	91	0	0	1	21	1	37	13	69	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	Thunderstorms	Aurora
January	8.3	S.	29	W.	0	6	1	0	6	24	11	7	7	0	7	5	19	10	8	9	2	0	0	11	0	22	1	0
February	7.1	S.	23	S.	0	5	1	1	5	13	10	9	14	0	9	7	13	11	10	17	5	0	2	7	0	24	0	0
March	8.1	W.	29	SW.	0	9	6	0	1	11	10	14	11	0	6	12	13	10	8	15	7	0	1	5	0	25	0	0
April	8.5	S.	38	SW.	1	14	6	1	4	10	12	6	7	0	10	6	14	13	9	10	4	0	0	0	0	0	1	0
May	5.3	N.	28	SW.	0	12	10	0	3	11	3	4	18	1	6	13	12	10	7	0	0	0	0	0	0	0	5	0
June	5.6	S.	24	NW.	0	13	6	1	5	22	4	3	6	0	4	10	16	16	14	0	0	0	0	0	0	0	4	0
July	5.2	S.	23	S.	0	13	3	0	4	18	11	5	7	1	6	12	13	14	12	0	0	0	0	1	0	2	0	12
August	4.9	S.	23	W.	0	13	9	2	2	24	3	1	6	2	3	11	17	17	12	0	0	0	2	0	1	0	7	0
September	5.5	S.	27	NE.	0	17	6	0	4	13	7	4	6	3	5	11	14	14	7	0	0	0	2	0	0	0	2	0
October	5.7	SW.	21	NW.	0	11	4	1	1	9	21	5	6	4	10	6	15	7	5	4	0	1	7	0	0	3	1	0
November	6.1	SW.	39	SW.	1	8	2	2	3	3	26	8	8	0	5	3	22	12	8	11	4	0	1	1	0	13	0	0
December	6.0	SW.	28	NW.	0	14	4	3	1	1	27	7	5	0	6	7	18	7	3	8	2	0	1	3	0	22	0	0
Year	6.4	S.	39	SW.	2	135	58	11	39	159	145	73	101	11	77	103	186	141	103	74	24	1	17	27	3	118	33	1

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

SEATTLE, WASH.

[ϕ=47° 38′ N.; λ=122° 20′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	30.031	30.360	29.520	40.8	44.4	44.4	46.7	37.9	42.3	58	22	38	38	39	88	81	83	0.230	0.239	0.245	4.97	1.35	8.5	8.4	9.2	9.2
February	30.082	30.450	29.320	40.3	45.1	46.8	48.3	38.0	43.2	57	31	36	37	37	87	75	70	.218	.222	.221	.91	.36	6.6	7.2	6.9	7.6
March	29.820	30.180	29.250	44.7	50.0	51.4	54.3	42.0	48.2	76	33	38	39	40	80	68	67	.239	.243	.249	5.87	.92	6.6	7.7	7.1	7.5
April	29.857	30.420	29.270	44.3	50.8	52.0	55.3	42.3	48.8	71	36	40	37	38	84	62	63	.246	.227	.234	2.60	.59	8.0	7.6	8.3	7.8
May	29.923	30.210	29.580	50.7	60.7	64.5	66.8	49.5	58.2	82	41	45	45	44	81	58	50	.299	.306	.298	.31	.19	6.3	4.8	4.7	5.5
June	29.859	30.080	29.580	53.6	60.0	64.5	66.7	52.3	59.5	81	48	49	48	49	84	66	58	.345	.341	.347	1.32	.44	8.3	7.3	6.8	7.6
July	29.886	30.030	29.640	57.4	65.9	71.8	73.8	56.2	65.0	89	52	53	52	52	86	63	52	.409	.395	.391	.11	.08	7.5	4.6	3.2	5.1
August	29.933	30.110	29.650	55.8	62.9	69.9	71.6	54.5	63.0	82	51	52	52	51	77	68	52	.385	.387	.378	.01	.01	4.5	3.7	3.2	4.3
September	29.901	30.150	29.590	53.4	59.9	64.2	65.3	51.6	58.4	82	45	49	49	48	87	68	58	.354	.346	.341	.53	.35	4.6	5.1	4.4	5.3
October	29.928	30.150	29.300	49.4	54.2	54.5	56.3	47.2	51.8	66	35	46	46	46	89	75	76	.316	.316	.322	3.19	.63	7.6	8.3	8.0	8.4
November	29.956	30.570	29.260	45.1	49.3	49.0	51.1	42.5	46.8	63	34	40	41	41	84	74	76	.251	.257	.259	2.29	.75	7.2	8.9	8.2	8.6
December	29.976	30.510	29.190	40.1	42.8	43.7	45.8	37.1	41.4	54	29	34	35	36	80	75	75	.199	.206	.214	3.49	.94	6.9	7.1	7.0	7.4
Year	29.929	30.570	29.190	47.1	53.8	56.4	58.5	45.9	52.2	89	22	43	43	43	84	69	65	.291	.290	.292	25.60	1.35	6.9	6.7	6.4	7.0

SHERIDAN, WYO.

[ϕ=44° 48′ N.; λ=106° 57′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	26.151	26.500	25.560	18.4	30.9	26.7	35.4	12.2	23.8	58	−28	14	20	20	84	64	75	0.096	0.119	0.117	1.36	0.38	6.1	6.0	7.2	6.7
February	26.181	26.420	25.754	13.1	32.0	28.5	36.3	8.0	22.2	53	−13	10	18	18	85	55	64	.071	.101	.103	.66	.32	4.2	3.4	3.8	3.9
March	26.040	26.420	25.490	26.2	45.7	43.6	50.1	23.0	36.6	78	1	22	26	28	84	48	55	.124	.142	.158	.76	.60	5.7	4.9	4.4	4.9
April	25.990	26.460	25.530	32.3	50.2	48.6	55.2	29.2	42.2	80	13	26	25	26	77	39	46	.141	.136	.145	1.70	.60	5.6	4.8	6.0	5.5
May	26.113	26.400	25.750	46.6	67.9	68.3	72.1	42.7	57.4	87	25	38	37	37	73	36	36	.236	.230	.233	1.62	.50	4.4	5.0	4.7	5.0
June	25.988	26.280	25.680	48.8	64.1	64.4	69.0	44.0	56.5	82	32	43	44	44	82	50	50	.278	.291	.294	3.23	1.50	5.6	5.7	6.3	5.8
July	26.130	26.400	25.890	56.7	76.8	75.6	81.4	52.7	67.0	92	43	53	55	56	86	50	53	.401	.437	.453	2.97	1.16	3.7	4.6	6.3	4.7
August	26.125	26.390	25.832	49.8	76.5	74.5	81.2	47.4	64.3	99	37	44	44	48	82	35	43	.293	.298	.345	.65	.27	2.7	3.0	4.4	3.4
September	26.144	26.490	25.730	40.0	68.5	65.0	72.9	38.0	55.4	92	26	35	35	37	83	32	37	.206	.211	.225	.29	.14	3.4	3.4	3.8	3.5
October	26.143	26.520	25.650	34.3	53.6	48.4	57.9	30.4	44.2	83	19	29	30	30	80	46	53	.158	.171	.166	2.32	.74	5.7	5.7	5.8	5.9
November	26.163	26.630	25.520	24.7	40.1	34.3	44.8	19.7	32.2	69	−2	21	25	24	84	56	67	.112	.137	.132	1.12	.70	3.9	4.1	5.1	4.6
December	26.118	26.510	25.640	18.1	29.7	24.0	33.7	9.5	21.6	62	−13	13	18	16	78	60	71	.075	.096	.088	.36	.12	4.5	4.4	5.1	4.9
Year	26.107	26.630	25.490	34.1	53.0	50.2	57.5	29.7	43.6	99	−28	29	31	32	82	48	54	.182	.197	.205	17.04	1.50	4.6	4.6	5.2	4.9

SHREVEPORT, LA.

[ϕ=32° 30′ N.; λ=93° 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	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	29.980	30.500	29.470	42.4	52.5	53.0	57.9	40.3	49.1	78	11	35	35	36	74	53	55	0.239	0.246	0.254	1.19	0.83	5.6	4.6	3.2	5.0
February	29.896	30.260	29.440	44.0	53.7	53.9	59.7	41.8	50.8	73	29	37	38	40	77	57	60	.244	.247	.266	2.93	1.38	5.8	4.5	4.8	5.1
March	29.718	30.180	29.250	51.6	62.9	62.5	68.8	49.5	59.2	89	38	45	45	44	79	56	56	.318	.330	.216	4.08	1.99	5.7	4.7	4.1	5.0
April	29.688	30.070	29.230	54.4	65.8	64.3	71.2	51.6	61.4	85	35	48	47	48	81	54	60	.365	.356	.366	5.81	2.86	4.7	4.9	5.8	5.2
May	29.687	29.996	29.350	66.5	78.8	78.9	83.9	63.6	73.8	95	53	59	58	58	77	50	52	.512	.491	.505	2.57	1.42	3.8	4.0	2.3	3.7
June	29.603	29.820	29.260	72.9	81.5	81.0	86.7	69.8	78.2	96	61	68	67	68	86	64	66	.698	.672	.688	3.30	1.32	6.6	5.7	2.8	5.3
July	29.746	29.920	29.610	76.4	87.1	85.6	92.8	74.1	83.4	99	68	72	70	70	88	58	61	.790	.730	.725	3.46	2.01	3.6	3.8	4.0	4.4
August	29.730	29.880	29.560	76.9	89.7	87.8	94.5	75.3	84.9	98	68	72	70	70	86	52	57	.795	.721	.739	1.44	.95	2.2	2.5	2.9	3.0
September	29.753	29.970	29.560	66.2	81.0	79.6	86.0	64.9	75.4	94	52	60	59	60	82	48	53	.544	.518	.536	.38	.26	3.3	3.4	3.2	3.6
October	29.804	30.120	29.480	62.6	75.2	72.9	80.6	60.1	70.4	94	43	58	56	57	87	55	61	.519	.487	.500	4.08	1.57	4.5	3.9	2.4	4.1
November	29.923	30.320	29.600	48.7	60.2	58.2	64.3	46.2	55.2	78	33	42	43	44	80	56	64	.295	.313	.331	2.87	1.36	5.7	4.3	4.2	4.8
December	29.910	30.280	29.440	42.2	53.4	53.0	58.9	39.8	49.4	75	28	36	36	35	78	54	53	.225	.232	.224	4.86	2.35	3.8	3.6	2.1	3.6
Year	29.786	30.500	29.230	58.7	70.2	69.2	75.4	56.4	65.9	99	11	53	52	52	81	55	58	.462	.445	.454	36.07	2.86	4.6	4.2	3.5	4.4

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	28.896	29.490	28.200	20.2	29.5	29.1	34.3	17.2	25.8	62	−13	17	20	21	84	68	70	0.103	0.120	0.122	0.04	0.03	3.7	5.4	3.4	4.7
February	28.880	29.280	28.445	23.7	30.3	30.5	35.5	20.2	27.8	60	0	20	21	23	86	69	72	.117	.121	.126	1.60	.98	4.4	4.5	5.0	5.0
March	28.777	29.180	28.170	33.0	43.9	44.8	49.6	30.4	40.0	85	18	28	28	30	80	56	59	.152	.159	.170	1.17	.77	5.3	5.6	5.5	5.6
April	28.718	29.170	28.160	35.3	49.1	50.8	56.2	32.3	44.2	83	15	28	29	29	74	48	46	.158	.171	.170	.22	.08	5.3	5.9	5.7	5.6
May	28.772	29.230	28.330	55.2	69.4	70.7	74.5	51.4	63.0	92	39	43	45	46	66	46	45	.295	.322	.325	5.36	1.85	4.7	5.4	4.5	5.0
June	28.639	28.900	28.100	58.8	70.5	70.8	74.3	55.7	65.0	82	45	52	52	51	79	54	52	.398	.395	.386	3.07	.90	6.3	6.3	5.6	6.6
July	28.767	29.060	28.481	68.3	81.5	81.7	85.6	65.0	75.3	98	53	62	62	62	80	53	52	.560	.576	.566	3.83	3.24	5.6	5.3	3.4	5.0
August	28.774	29.130	28.370	66.2	79.8	79.3	84.0	63.6	73.8	98	42	60	62	62	82	55	57	.541	.570	.574	2.67	1.06	4.4	4.0	2.9	4.2
September	28.808	29.180	28.320	52.4	68.6	67.7	73.3	49.8	61.6	91	31	45	45	47	76	44	49	.312	.328	.350	2.14	.99	3.3	3.2	2.9	3.3
October	28.828	29.420	28.270	46.9	58.1	56.2	63.0	42.6	52.8	92	30	39	39	39	74	55	57	.254	.257	.255	3.55	2.18	5.0	5.6	4.8	5.4
November	28.875	29.480	28.100	33.2	40.6	39.9	44.5	30.2	37.4	63	15	28	31	31	82	69	70	.159	.176	.177	.88	*1.00	4.6	6.3	4.7	5.5
December	28.853	29.290	28.390	25.5	33.9	32.9	38.0	21.8	29.9	57	6	22	24	25	84	66	72	.120	.133	.139	.14	.12	4.4	5.0	4.4	5.5
Year	28.799	29.490	28.100	43.2	54.6	54.5	59.4	40.0	49.7	98	−13	37	38	39	79	57	58	.264	.277	.280	24.67	3.24	4.8	5.2	4.4	5.1

*Oct 31–Nov. 1.

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

SEATTLE, WASH.

[H_b=125 ft.; h_t=215 ft.; h_r=209 ft.; h_a=250 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: Thunderstorms	Aurora
	Miles		*Mi.*																									
January	6.0	SE.	30	S.	0	4	6	1	22	17	6	0	4	2	0	2	29	18	15	3	2	1	5	0	0	8	1	0
February	5.9	SE.	34	SW.	2	10	7	7	11	11	2	2	6	2	3	7	19	12	6	1	0	0	5	0	0	1	0	0
March	9.8	S.	34	SE.	3	8	3	3	7	22	12	4	3	0	5	4	22	22	21	0	0	0	1	0	0	0	1	0
April	8.8	S.	44	SW.	3	6	6	3	11	10	17	3	4	0	2	7	21	18	16	0	0	1	0	0	0	0	3	0
May	6.9	N.	31	S.	0	18	6	1	4	12	6	3	6	6	10	8	13	4	3	0	0	0	0	0	0	0	0	0
June	5.8	NW.	22	SW.	0	5	10	4	6	8	10	4	11	2	3	8	19	9	6	0	0	0	1	0	0	0	6	0
July	6.0	NW.	16	S.	0	8	7	1	3	16	5	4	15	3	10	12	9	2	2	0	0	0	0	0	0	0	0	1
August	5.3	NW.	19	N.	0	16	7	4	3	5	5	4	11	7	14	12	5	1	0	0	0	0	1	0	0	0	0	0
September	5.7	N.	26	S.	0	13	5	2	6	11	5	5	9	4	12	4	14	4	3	0	0	0	3	0	0	0	0	0
October	7.7	S.	30	SW.	0	8	10	6	7	20	4	2	4	1	2	7	22	15	10	0	0	1	0	0	0	0	2	0
November	6.7	SE.	32	S.	0	10	4	5	21	11	2	6	1	0	1	5	24	17	9	0	0	0	7	0	0	0	1	0
December	7.4	SE.	40	S.	3	8	11	9	16	12	3	0	3	0	5	5	21	16	11	0	0	1	4	0	0	7	2	0
Year	6.8	S.	44	SW.	11	114	82	46	117	155	77	37	77	27	67	81	218	138	102	4	2	4	27	0	0	16	16	1

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	Thunderstorms	Aurora
January	3.2	NW.	32	NW.	0	4	3	0	5	10	17	2	18	3	4	16	11	11	8	13	11	0	0	13	0	30	0	0
February	4.1	S.	27	NW.	0	2	0	0	2	14	12	3	21	4	15	7	7	6	5	10	6	0	1	7	0	29	0	0
March	4.1	NW.	31	NW.	0	5	4	2	6	16	11	5	13	0	11	12	8	7	2	8	5	0	0	1	0	26	0	0
April	6.1	NW.	34	NW.	1	3	6	3	4	5	8	5	26	0	9	17	4	11	11	13	8	0	1	2	0	19	3	0
May	4.7	NW.	26	NW.	0	2	5	3	5	7	8	4	22	5	9	16	6	8	8	0	0	0	0	0	0	1	3	0
June	3.9	NW.	21	NW.	0	5	7	2	6	10	4	2	13	11	8	16	6	17	13	0	0	1	0	0	0	0	11	0
July	3.3	NW.	21	NW.	0	2	8	2	12	11	8	5	11	3	14	10	7	11	8	0	0	0	0	0	3	0	15	0
August	3.4	NW.	25	NW.	0	1	4	3	5	12	12	5	17	3	17	11	3	8	6	0	0	1	0	0	7	0	8	0
September	3.7	NW.	22	NW.	0	3	6	4	5	6	14	4	16	2	17	8	5	7	3	0	0	1	0	0	1	5	4	0
October	3.7	NW.	30	NW.	0	4	9	1	2	6	10	4	22	4	8	13	10	8	8	6	4	0	0	1	0	19	0	0
November	3.0	NW.	17	NW.	0	0	1	0	6	11	13	10	16	3	12	13	5	7	6	5	4	0	0	3	0	30	0	0
December	3.9	S.	28	NW.	0	4	2	3	8	16	7	6	15	1	12	11	8	9	3	10	9	0	3	14	0	30	0	0
Year	3.9	NW.	34	NW.	1	35	55	23	67	124	124	55	210	39	136	150	80	110	81	65	47	3	5	41	11	189	44	0

SHREVEPORT, LA.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	5.7	S.	26	NW.	0	5	4	3	18	16	3	4	8	1	13	7	11	5	5	1	0	0	0	3	0	7	1	0
February	5.8	SE.	29	W.	0	5	9	7	15	7	2	6	7	0	11	9	9	10	8	0	0	0	0	0	0	5	1	0
March	6.5	S.	27	NW.	0	7	5	12	12	12	1	5	8	0	13	10	8	9	9	0	0	1	0	0	0	0	3	0
April	7.1	SE.	23	NW.	0	6	4	2	23	11	2	3	9	0	13	3	14	11	9	1	1	1	1	0	0	0	7	0
May	5.6	S.	20	SE.	0	5	9	2	14	15	7	3	7	0	15	13	3	6	6	0	0	0	0	0	4	0	4	0
June	6.4	S.	36	SW.	1	0	3	5	16	23	7	4	2	0	8	13	9	8	7	0	0	0	0	0	11	0	8	0
July	4.4	S.	17	NE.	0	2	2	4	21	19	10	2	2	0	15	9	7	8	5	0	0	0	0	0	25	0	10	0
August	4.7	S.	17	SE.	0	3	7	10	15	16	9	1	1	0	22	7	2	5	4	0	0	0	0	0	29	0	8	0
September	4.5	NE.	18	NE.	0	10	17	8	18	1	3	1	1	1	18	5	7	5	2	0	0	0	0	0	11	0	2	0
October	4.8	SE	20	SW.	0	1	6	12	23	6	2	9	3	0	15	9	7	9	7	0	0	0	0	0	5	0	5	0
November	5.2	SE.	18	W.	0	3	5	10	14	8	3	6	11	0	16	3	11	13	8	0	0	0	0	0	0	0	2	0
December	5.9	SE.	22	NW.	0	5	6	4	12	12	5	9	9	0	19	6	6	6	4	0	0	0	0	0	0	5	1	0
Year	5.6	SE.	36	SW.	1	52	77	79	201	146	54	53	68	2	178	94	94	95	74	2	1	2	1	3	85	17	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	Thunderstorms	Aurora
January	10.5	NW.	45	NW.	4	2	1	5	3	15	2	9	25	0	13	11	7	3	0	5	2	0	1	12	0	25	0	0
February	11.1	NW.	36	NW.	2	9	2	5	5	5	5	7	20	0	10	12	7	5	3	11	5	0	1	8	0	26	0	0
March	10.0	NW.	31	NW.	0	9	5	5	7	10	1	5	20	0	11	7	13	5	4	9	2	0	0	2	0	21	0	0
April	13.5	NW.	48	NW.	6	11	5	9	6	4	2	4	19	0	9	8	13	5	2	4	2	0	1	1	0	16	1	0
May	9.6	N.	35	S.	3	16	4	10	10	7	2	2	9	2	11	11	9	12	8	0	0	2	0	0	2	0	6	0
June	9.6	NW.	40	SW.	3	9	4	6	10	13	3	0	15	0	3	13	14	13	10	0	0	0	0	0	0	0	8	0
July	8.4	S.	33	N.	2	5	4	7	8	19	3	4	12	0	8	17	6	2	2	0	0	0	0	0	5	0	6	0
August	10.4	S.	45	W.	2	10	3	7	16	18	0	1	7	0	13	12	6	8	7	0	0	1	0	0	9	0	7	0
September	10.1	S.	36	W.	2	7	2	3	14	12	2	3	16	1	17	11	2	6	6	0	0	1	0	0	1	1	5	0
October	10.7	NW.	44	SW.	1	11	7	2	9	15	1	1	16	0	13	4	14	8	5	1	1	0	2	0	1	4	2	0
November	11.5	NW.	45	SW.	4	10	6	0	6	14	3	2	19	0	10	10	10	5	3	4	2	0	3	2	0	18	0	0
December	10.3	NW.	36	NW.	4	6	3	2	9	15	4	3	20	0	10	10	11	3	1	10	2	0	4	8	0	25	0	0
Year	10.5	NW.	48	NW.	33	105	46	61	103	147	28	41	198	3	128	126	112	75	51	44	16	4	12	33	19	136	35	0

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

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	Cloudiness: 8 a. m.	Cloudiness: Noon, local time	Cloudiness: 8 p. m.	Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	28.176	28.558	27.450	26.7	30.0	31.2	32.7	24.4	28.6	45	6	25	27	28	94	87	87	0.138	0.146	0.154	1.75	0.63	9.1	9.5	9.1	9.4
February	28.180	28.480	27.610	26.1	33.7	38.3	39.3	23.6	31.4	48	11	24	26	27	90	74	64	.128	.144	.150	.22	.06	5.4	6.0	5.1	5.9
March	27.936	28.333	27.420	36.5	46.9	49.7	51.5	33.9	42.7	68	17	32	32	32	85	57	51	.186	.185	.181	1.88	.45	6.1	6.8	6.4	6.7
April	27.908	28.510	27.510	38.2	51.8	53.1	55.7	36.6	46.2	78	29	32	30	28	79	43	42	.185	.170	.161	.93	.31	6.3	7.1	7.1	6.9
May	27.964	28.190	27.690	49.4	69.9	73.4	75.2	48.0	61.6	97	33	40	37	35	71	31	27	.252	.227	.211	.48	.16	3.2	3.8	3.6	3.6
June	27.853	28.083	27.580	54.3	70.0	72.1	74.9	52.3	63.6	94	42	42	40	39	64	35	31	.276	.256	.241	.43	.26	5.3	6.0	7.2	5.9
July	27.903	28.060	27.700	61.6	80.8	84.9	87.1	60.0	73.6	108	50	49	46	42	65	32	26	.351	.309	.268	1.26	.81	3.9	3.6	3.5	3.5
August	27.950	28.170	27.710	55.7	77.3	81.2	82.7	54.1	68.4	96	43	40	40	36	57	27	21	.251	.246	.212	T.	T.	2.6	2.3	2.8	2.3
September	27.953	28.270	27.660	49.2	70.1	74.7	76.6	46.6	61.6	95	35	36	38	33	62	31	24	.215	.219	.190	.07	.03	1.6	3.2	3.2	2.7
October	27.992	28.250	27.573	42.7	55.0	56.9	59.5	39.5	49.5	72	25	35	35	35	76	48	46	.214	.212	.213	.52	.21	4.5	6.0	6.2	5.9
November	28.088	28.460	27.540	33.7	40.3	41.9	44.0	31.2	37.6	53	22	31	32	33	90	75	72	.176	.184	.190	1.24	.58	6.7	7.8	7.4	7.9
December	28.116	28.580	27.530	28.4	31.7	32.5	34.6	24.5	29.6	52	10	25	27	28	87	82	81	.135	.145	.150	1.81	.48	7.4	8.7	7.6	8.3
Year	28.002	28.580	27.430	41.9	54.8	57.5	59.5	39.6	49.5	108	6	34	34	33	77	52	48	.209	.204	.193	10.59	.81	5.2	5.9	5.8	5.8

SPRINGFIELD, ILL.

[φ=39° 48′ N.; λ=89° 39′ 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	29.445	29.928	28.700	24.9	32.0	31.8	37.3	21.8	29.6	67	−9	21	25	26	83	75	79	0.131	0.157	0.159	1.02	0.74	4.7	4.8	4.0	5.3
February	29.413	29.820	28.870	29.7	35.8	35.7	41.4	26.8	34.1	55	8	26	29	29	84	76	77	.147	.168	.171	2.42	.85	7.2	6.1	6.2	6.2
March	29.303	29.770	28.650	35.8	45.9	45.0	51.2	33.2	42.2	81	17	30	32	34	78	59	65	.177	.194	.205	1.14	.35	4.7	5.5	5.7	5.3
April	29.250	29.644	28.740	42.9	53.4	53.6	58.9	39.7	49.3	79	25	35	36	38	74	56	58	.217	.231	.250	2.88	1.60	5.0	5.8	5.5	5.6
May	29.285	29.770	28.910	58.1	70.7	69.7	75.6	52.5	64.0	92	38	46	47	47	67	47	47	.338	.353	.343	4.61	2.32	4.7	5.2	4.8	4.4
June	29.158	29.516	28.850	63.3	72.7	71.1	76.0	58.8	67.4	86	51	57	57	56	81	60	62	.481	.487	.476	5.06	1.49	7.0	6.9	6.8	6.8
July	29.312	29.610	29.150	72.7	83.4	81.1	87.1	68.6	77.8	95	57	66	66	66	80	56	62	.652	.646	.650	3.09	1.47	4.2	4.6	4.2	4.1
August	29.333	29.600	28.990	69.8	82.5	80.2	86.1	66.5	76.3	93	54	65	67	68	86	62	66	.636	.681	.683	.73	.41	4.8	5.0	3.0	4.0
September	29.377	29.640	29.010	56.1	70.5	66.7	74.5	53.4	64.0	93	35	51	54	54	85	57	65	.407	.449	.451	3.35	.99	2.9	3.2	3.1	3.4
October	29.397	29.840	29.040	52.0	63.9	60.9	67.4	49.9	58.6	85	32	48	49	51	87	61	71	.365	.376	.399	3.72	1.22	5.2	5.3	4.7	5.2
November	29.414	29.900	28.920	39.6	46.1	44.1	49.8	36.3	43.0	67	19	36	38	39	88	76	83	.229	.249	.254	1.79	.77	6.4	6.4	5.7	6.4
December	29.423	29.820	28.880	30.0	37.7	35.8	41.9	27.2	34.6	57	9	27	30	30	87	72	78	.153	.174	.174	1.94	.87	5.8	6.0	4.9	5.9
Year	29.342	29.928	28.650	47.9	57.9	56.3	62.3	44.6	53.4	95	−9	42	44	45	82	63	68	.328	.347	.351	31.75	2.32	5.2	5.4	4.9	5.2

SPRINGFIELD, MO.

[φ=37° 12′ N.; λ=93° 18′ 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	28.715	29.160	28.020	31.3	39.3	39.5	46.1	27.9	37.0	72	−8	25	25	25	79	58	58	0.156	0.159	0.157	0.72	0.43	3.8	3.6	1.9	4.0
February	28.701	29.070	28.234	32.7	40.4	41.3	46.3	30.0	38.2	63	9	28	26	28	81	61	61	.165	.169	.174	1.09	.44	5.1	5.2	3.8	4.7
March	28.577	28.980	28.040	39.2	50.8	51.4	57.0	36.7	46.8	78	19	33	31	33	78	50	52	.197	.192	.199	2.36	1.37	4.0	4.0	3.1	3.0
April	28.525	28.930	28.070	45.8	55.6	55.6	60.7	42.8	51.8	80	25	35	35	36	68	50	53	.223	.226	.238	6.62	2.18	4.2	4.9	4.7	4.0
May	28.575	28.950	28.270	59.5	70.8	71.2	75.8	56.4	66.1	87	45	49	47	48	69	46	47	.360	.341	.357	3.97	1.52	3.2	3.2	3.6	2.3
June	28.468	28.730	28.180	62.9	69.2	71.2	74.2	59.5	66.8	87	49	59	59	61	87	72	72	.503	.515	.551	12.27	3.54	6.6	6.3	4.8	5.0
July	28.632	28.850	28.490	71.2	81.5	81.9	84.9	68.2	76.6	92	59	65	64	66	81	56	60	.624	.602	.647	3.01	2.16	2.9	4.1	3.1	2.1
August	28.644	28.870	28.440	70.5	79.8	78.5	84.1	67.7	75.9	91	58	67	68	67	89	65	70	.670	.651	.675	7.81	2.48	3.3	3.9	3.1	2.2
September	28.682	28.930	28.440	58.6	72.6	70.3	76.4	56.2	66.3	88	43	50	48	51	74	44	52	.383	.378	.408	.05	.04	2.7	1.8	1.2	1.7
October	28.681	29.070	28.330	54.9	67.9	65.1	71.8	53.6	62.7	86	36	49	47	48	81	49	56	.374	.354	.371	1.69	.45	2.5	2.7	2.1	3.1
November	28.729	29.230	28.200	40.0	48.4	47.6	53.2	37.5	45.4	68	22	35	35	36	83	63	67	.218	.219	.220	2.08	.55	5.0	4.7	3.8	3.3
December	28.706	29.070	28.200	32.3	41.9	40.0	46.6	29.5	38.0	75	15	28	28	28	83	59	65	.156	.155	.162	2.70	1.66	3.6	4.5	3.8	4.7
Year	28.637	29.230	28.020	49.9	59.8	59.5	64.8	47.2	56.0	92	−8	44	43	44	79	56	59	.336	.330	.347	44.37	3.54	4.0	4.1	3.3	3.6

SYRACUSE, N. Y.

[φ=43° 03′ 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	29.300	29.950	28.300	25.0	27.6	----	34.7	21.8	28.2	51	6	20	20	----	78	72	----	0.112	0.117	----	1.25	0.26	8.5	8.1	----	8.2
February	29.395	30.047	28.770	22.6	26.8	----	32.4	18.1	25.2	53	−5	17	19	----	79	70	----	.104	.113	----	1.88	.47	7.3	6.9	----	7.4
March	29.229	29.830	28.470	29.2	33.0	----	38.4	25.0	31.7	73	12	22	24	----	74	70	----	.122	.135	----	3.84	1.30	8.5	7.8	----	7.8
April	29.283	29.750	28.730	39.6	45.3	----	50.0	34.9	42.4	80	24	29	30	----	65	56	----	.164	.171	----	3.26	1.12	7.3	6.9	----	6.6
May	29.299	29.870	28.900	53.8	60.8	----	64.7	46.4	55.6	86	33	40	41	----	62	50	----	.262	.277	----	1.39	.49	6.1	6.1	----	5.8
June	29.239	29.578	28.870	61.6	66.8	----	70.9	55.3	63.1	83	44	52	52	----	72	62	----	.407	.413	----	3.96	1.12	6.8	6.9	----	6.9
July	29.318	29.640	29.090	69.6	76.0	----	79.2	62.9	71.0	92	54	61	62	----	74	63	----	.541	.557	----	6.14	2.26	5.5	5.6	----	5.6
August	29.393	29.690	29.090	69.4	75.6	----	79.5	64.0	71.8	90	53	64	66	----	82	72	----	.596	.620	----	4.98	2.51	6.1	6.7	----	6.2
September	29.396	29.760	29.030	56.3	62.9	----	66.4	50.6	58.5	84	36	48	48	----	75	60	----	.354	.361	----	2.28	.86	5.9	6.4	----	5.8
October	29.451	29.930	29.070	52.1	58.5	----	62.4	45.5	54.0	86	19	44	43	----	74	54	----	.314	.305	----	3.66	1.36	6.5	6.6	----	6.3
November	29.375	29.760	28.680	40.1	44.2	----	47.9	36.1	42.0	70	17	34	35	----	79	73	----	.202	.215	----	3.88	1.94	8.3	7.9	----	8.0
December	29.453	29.820	28.520	32.7	36.4	----	40.1	29.1	34.6	57	15	26	28	----	77	71	----	.146	.155	----	.91	.26	8.3	7.3	----	7.4
Year	29.344	30.047	28.300	46.0	51.2	----	55.6	40.8	48.2	92	−5	38	39	----	74	65	----	.277	.288	----	37.43	3.22	7.1	6.9	----	6.8

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

SPOKANE, WASH.

[H_b=1,929 ft.; h_t=101 ft.; h_r=94 ft.; h_a=110 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: No. of 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: Thunderstorms	Electricity: Aurora
	Miles		*Mi.*																									
January	3.6	NE.	21	S.	0	8	12	9	0	6	15	3	9	0	0	2	29	11	8	16	8	0	1	16	0	25	0	0
February	3.1	NW.	21	SW.	0	13	6	6	0	4	11	3	15	0	9	8	12	7	3	5	2	0	5	2	0	26	0	0
March	6.2	S.	20	SW.	0	4	2	10	1	21	17	1	6	0	6	9	16	19	15	5	2	1	1	0	0	10	0	0
April	6.8	S.	28	SW.	0	2	4	9	2	21	15	2	4	1	3	11	16	11	8	9	2	0	0	0	0	5	0	0
May	5.9	S.	23	SW.	0	3	12	6	0	15	12	9	4	1	15	14	2	7	3	0	0	1	0	0	2	0	3	0
June	6.4	S.	28	SW.	0	5	9	9	1	18	12	5	1	0	5	18	7	8	2	0	0	0	0	0	2	0	2	0
July	4.8	S.	22	N.	0	1	12	10	2	14	12	5	5	1	17	11	3	5	4	0	0	0	0	0	11	0	4	2
August	4.8	S.	22	S.	0	6	7	5	2	15	12	4	8	3	21	9	1	0	0	0	0	0	0	0	5	0	1	0
September	4.0	S.	24	SW.	0	4	6	4	1	15	13	4	7	6	22	4	4	3	0	0	0	0	0	0	3	0	0	1
October	4.9	S.	21	SW.	0	7	12	8	1	20	5	4	3	2	9	8	14	8	5	0	0	0	1	0	0	5	0	0
November	3.2	NW.	23	SW.	0	6	4	7	0	13	5	6	15	4	5	3	22	11	9	4	3	0	5	0	0	19	0	0
December	4.0	SW.	29	SW.	0	7	10	13	0	15	10	2	5	0	3	5	23	9	8	13	6	0	1	13	0	28	0	0
Year	4.7	S.	29	SW.	0	66	96	96	10	177	139	48	82	18	115	102	149	99	65	52	23	2	14	31	23	118	10	3

SPRINGFIELD, ILL.

[H_b=636 ft.; h_t=154 ft.; h_r=148 ft.; h_a=191 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	No. of 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	Thunderstorms	Aurora
January	8.5	W.	28	W.	0	3	3	4	0	12	12	19	9	0	13	5	13	5	3	6	3	0	3	10	0	20	0	0
February	8.7	W.	24	NW.	0	3	1	3	7	11	10	10	13	0	8	6	15	11	7	9	4	0	5	4	0	17	0	0
March	8.7	S.	26	NW.	0	11	7	2	7	12	6	9	8	0	10	9	12	8	7	3	1	0	0	1	0	16	4	0
April	9.6	S.	29	W.	0	6	5	6	6	13	4	15	5	0	9	9	12	8	7	2	1	0	0	0	0	6	3	0
May	7.6	N.	22	NE.	0	13	3	3	10	8	9	11	5	0	13	11	7	8	7	0	0	1	0	0	1	0	5	0
June	7.3	W.	28	NW.	0	5	4	4	8	8	9	11	9	2	5	14	11	17	12	0	0	0	1	0	0	0	11	0
July	5.7	S.	24	SW.	0	9	4	6	8	11	15	7	2	0	16	12	3	8	7	0	0	0	0	0	12	0	10	1
August	6.1	S.	25	SW.	0	12	4	5	8	18	7	4	4	0	14	14	3	7	6	0	0	0	0	0	11	0	7	0
September	6.4	S.	22	N.	0	4	7	5	3	12	14	11	4	0	19	5	6	9	8	0	0	0	1	0	1	0	6	0
October	7.1	S.	22	S.	0	3	4	4	4	26	2	12	7	0	11	10	10	9	9	0	0	0	0	0	0	1	3	0
November	12.4	NW.	37	NW.	2	4	0	5	4	16	6	9	16	0	8	6	16	9	7	3	1	0	0	1	0	9	1	0
December	10.7	S.	34	W.	2	6	1	3	9	15	14	5	9	0	9	9	13	9	6	5	2	0	2	5	0	21	0	0
Year	8.2	S.	37	NW.	4	79	43	50	74	162	108	123	91	2	135	110	121	108	86	28	12	1	12	21	25	90	50	1

SPRINGFIELD, MO.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	No. of 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	Thunderstorms	Aurora
January	9.4	S.	30	NW.	0	6	5	3	2	18	8	8	12	0	16	8	7	6	4	3	2	1	0	5	0	20	1	0
February	9.9	S.	28	S.	0	7	2	2	8	11	4	13	11	0	13	6	10	5	4	5	2	0	0	3	0	17	1	0
March	9.8	S.	34	SE.	1	7	5	5	10	8	10	8	9	0	21	6	4	10	7	5	2	0	1	0	0	13	5	0
April	11.0	S.	36	S.	1	6	8	7	6	16	4	6	7	0	19	2	9	9	9	3	0	0	0	0	0	4	5	0
May	9.1	S.	33	W.	1	10	3	7	8	11	7	9	7	0	23	6	2	12	7	0	0	0	0	0	0	0	5	0
June	9.1	S.	34	SE.	2	4	3	7	12	15	5	5	9	0	11	12	7	17	15	0	0	1	0	0	0	0	13	0
July	7.5	S.	30	SW.	0	9	1	4	10	21	9	5	3	0	22	9	0	5	5	0	0	0	0	0	5	0	4	1
August	7.1	S.	29	NW.	0	6	6	5	14	21	3	3	4	0	23	5	3	13	10	0	0	0	1	0	3	0	13	0
September	8.0	S.	22	S.	0	7	5	8	13	17	3	2	5	0	25	4	1	2	1	0	0	0	0	0	0	0	0	0
October	9.1	S.	32	S.	0	4	10	3	19	12	4	4	6	0	16	12	3	11	9	0	0	0	0	0	0	0	9	1
November	10.1	S.	29	S.	0	3	3	2	10	16	4	9	13	0	14	2	14	9	8	2	2	0	1	0	0	12	1	0
December	9.4	NW.	32	NW.	0	4	1	2	15	11	8	9	12	0	15	5	11	7	7	3	2	0	1	2	0	20	2	0
Year	9.1	S.	36	S.	5	73	52	55	127	177	69	81	98	0	218	77	71	106	86	21	10	2	4	10	8	86	59	2

SYRACUSE, N. Y.

[H_b=597 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	No. of 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	Thunderstorms	Aurora
January	12.9	W.	45	W.	5	4	0	3	3	8	19	16	9	0	2	5	24	18	14	17	11	0	0	11	0	23	0	0
February	11.4	S.	35	W.	2	5	2	4	6	11	8	12	10	0	4	6	19	18	12	20	13	0	2	14	0	25	0	0
March	12.6	W.	45	W.	5	5	2	6	1	10	3	24	11	0	1	10	20	20	15	19	15	0	0	9	0	24	2	0
April	12.9	NW.	44	NW.	9	2	3	7	2	13	5	15	13	0	4	11	15	16	11	9	7	0	0	0	0	14	1	0
May	8.1	NW.	33	W.	1	7	0	4	2	12	7	7	22	1	7	14	10	8	5	0	0	0	0	0	0	0	4	0
June	8.4	S.	27	S.	0	5	0	9	8	15	8	6	9	0	4	11	15	17	16	0	0	0	0	0	0	0	5	0
July	7.8	NW.	26	NW.	0	3	2	5	3	11	11	12	15	0	10	10	11	11	9	0	0	0	0	0	2	0	6	1
August	7.1	S.	30	SE.	0	7	2	1	10	22	5	7	8	0	6	14	11	15	10	0	0	0	0	0	0	0	9	0
September	9.1	S.	34	NW.	1	3	4	5	1	22	10	11	4	0	5	17	8	11	9	0	0	0	0	0	0	0	0	0
October	6.4	S.	21	NW.	0	1	1	7	8	20	7	13	5	0	7	10	14	13	11	3	1	0	0	0	0	3	2	0
November	6.4	W.	28	SW.	0	5	0	9	4	18	8	13	3	0	3	5	22	16	11	8	8	0	0	0	0	10	0	0
December	6.7	SW.	26	SW.	0	2	0	11	2	16	16	13	2	0	4	8	19	9	7	9	6	0	0	6	0	18	0	0
Year	9.2	S.	45	W.	23	49	16	71	50	178	107	149	111	1	57	121	188	172	130	85	61	0	2	40	2	117	2	1

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

TACOMA, WASH.

[ϕ=47° 16′ N.; λ=122° 23′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	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	29.960	30.280	29.450	----	42.7	44.1	46.5	36.2	41.4	56	19	----	39	41	----	85	88	----	0.245	0.261	6.03	1.49	----	8.7	8.9	8.8
February	30.003	30.380	29.240	----	44.5	47.2	48.0	36.5	42.2	60	31	----	38	38	----	80	72	----	.233	.232	.85	.31	----	7.0	7.2	7.2
March	29.761	30.090	29.190	----	51.1	51.8	54.8	41.0	47.9	77	31	----	42	43	----	72	72	----	.273	.277	7.67	1.27	----	7.8	7.2	7.0
April	29.794	30.330	29.170	----	51.7	53.1	55.8	41.5	48.6	71	34	----	42	42	----	71	68	----	.269	.273	3.28	.53	----	7.6	7.9	6.8
May	29.859	30.150	29.510	----	62.5	65.4	67.6	48.7	58.2	80	40	----	48	47	----	69	53	----	.338	.325	.70	.36	----	5.4	5.5	4.9
June	29.810	30.010	29.520	----	62.5	66.0	67.7	52.1	59.9	83	44	----	52	52	----	70	63	----	.390	.398	.48	.22	----	7.4	6.9	7.0
July	29.836	29.960	29.570	----	68.4	72.6	74.4	55.8	65.1	91	51	----	54	53	----	62	53	----	.423	.412	.51	.39	----	6.0	3.5	5.6
August	29.876	30.050	29.608	----	65.8	71.5	73.0	53.8	63.4	82	49	----	55	55	----	68	57	----	.432	.437	.03	.02	----	4.5	3.1	5.0
September	29.844	30.090	29.517	----	60.6	64.3	66.2	50.3	58.2	80	42	----	50	49	----	70	59	----	.361	.353	.48	.31	----	5.7	4.4	5.8
October	29.860	30.190	29.260	----	54.9	55.6	57.3	46.8	52.0	68	32	----	47	48	----	77	77	----	.332	.335	4.18	.72	----	8.4	8.3	8.4
November	29.884	30.520	29.195	----	48.2	49.5	51.8	40.9	46.4	64	31	----	41	43	----	79	79	----	.261	.279	2.68	.90	----	6.6	8.0	8.9
December	29.920	30.460	29.130	----	42.0	43.6	45.9	34.6	40.2	56	24	----	38	38	----	86	82	----	.232	.233	3.25	.91	----	6.9	7.2	7.7
Year	29.867	30.520	29.130	----	54.6	57.1	59.1	44.8	52.0	91	19	----	46	46	----	73	69	----	.316	.318	30.14	1.49	----	6.8	6.5	6.9

TAMPA, FLA.

[ϕ=27° 57′ N.; λ=82° 27′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	30.187	30.550	29.890	50.4	62.8	57.3	66.6	47.9	57.2	81	26	43	45	46	76	54	67	0.309	0.336	0.345	0.59	0.29	4.8	5.1	3.9	4.5
February	30.095	30.450	29.780	57.9	70.2	63.8	73.5	55.3	64.4	83	33	52	52	53	82	54	70	.422	.420	.432	1.09	.59	6.2	6.3	4.4	5.6
March	30.009	30.300	29.550	62.5	74.0	67.7	76.7	59.8	68.2	86	47	56	56	58	80	56	72	.474	.487	.507	2.67	1.37	5.5	4.3	4.5	4.6
April	29.988	30.314	29.640	66.1	76.8	71.5	80.1	60.9	70.5	88	47	58	56	58	75	51	66	.498	.487	.509	4.31	1.58	5.3	4.8	4.2	4.7
May	29.926	30.170	29.590	71.6	79.9	74.2	82.8	65.9	74.4	89	52	64	60	63	76	53	69	.598	.536	.582	2.42	.88	3.8	4.8	3.7	4.3
June	29.978	30.063	29.850	78.3	86.9	79.2	89.8	70.7	80.2	93	64	70	68	69	77	54	73	.743	.690	.721	11.13	2.76	3.3	5.4	6.8	5.1
July	30.023	30.150	29.920	80.4	86.3	80.5	89.9	75.0	82.4	94	71	73	70	72	78	60	75	.809	.742	.775	4.54	1.04	5.3	6.7	8.6	6.8
August	29.977	30.130	29.525	79.3	86.8	79.4	89.8	74.4	82.1	94	70	74	72	72	85	62	80	.845	.778	.792	7.89	2.57	5.0	6.4	7.7	6.2
September	29.905	30.100	28.953	76.4	84.3	78.1	87.3	72.8	80.0	94	68	72	70	72	87	64	83	.789	.748	.794	10.07	2.73	6.2	6.8	6.8	6.9
October	30.016	30.300	29.830	71.2	82.8	76.0	84.7	68.3	76.5	89	55	66	64	66	84	55	71	.657	.618	.646	2.88	2.11	3.1	4.4	4.0	4.4
November	30.101	30.390	29.790	59.2	72.4	66.3	75.3	56.4	65.8	84	40	53	53	55	79	51	68	.439	.439	.468	.05	.03	5.7	5.4	3.4	5.2
December	30.095	30.320	29.899	54.8	67.5	61.8	70.3	52.6	61.4	82	38	50	50	52	85	56	70	.395	.401	.412	.56	.49	4.1	4.8	3.7	4.7
Year	30.025	30.550	28.953	67.3	77.6	71.3	80.6	63.3	71.9	94	26	61	60	61	80	56	72	.582	.557	.582	48.20	2.76	4.9	5.4	5.1	5.2

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
January	30.001	30.340	29.570	43.3	44.8	44.5	46.8	41.5	44.1	56	28	40	41	41	90	86	87	0.257	0.260	0.261	13.97	2.96	7.2	7.7	8.3	8.2
February	30.079	30.450	29.327	43.0	45.5	45.2	47.0	41.2	44.1	52	38	39	38	38	88	78	77	.244	.236	.226	4.11	1.30	5.6	6.3	6.5	6.6
March	29.799	30.170	29.130	45.3	47.7	47.2	49.8	42.7	46.2	58	35	43	43	42	91	85	83	.276	.278	.271	12.42	1.64	7.2	6.7	7.0	7.5
April	29.864	30.460	29.240	44.8	48.4	48.5	51.0	43.1	47.0	61	37	42	43	43	90	84	83	.266	.283	.281	7.07	1.25	7.9	6.7	7.2	7.7
May	29.975	30.266	29.500	49.1	53.3	53.7	55.1	48.1	51.6	62	43	47	48	48	91	84	83	.318	.341	.338	3.37	1.14	7.4	5.5	4.6	7.0
June	29.920	30.130	29.670	52.0	55.9	55.5	56.9	51.4	54.2	62	49	50	52	52	94	86	87	.361	.383	.384	.84	.31	7.5	6.3	7.1	8.0
July	29.948	30.080	29.620	53.5	57.5	58.0	59.1	52.7	55.9	71	49	52	54	54	96	88	88	.393	.417	.417	.71	.48	7.1	6.2	4.7	6.6
August	29.998	30.140	29.700	53.1	55.7	56.1	57.2	52.3	54.8	63	48	52	53	53	96	91	90	.389	.402	.405	.62	.53	5.3	6.0	4.9	7.5
September	29.945	30.190	29.620	50.6	53.6	53.7	56.0	49.1	52.6	75	46	49	50	50	95	90	90	.350	.368	.367	3.20	1.83	5.2	5.3	4.3	6.8
October	29.931	30.220	29.150	49.6	52.2	51.2	53.5	47.9	50.7	57	43	48	49	48	96	91	91	.341	.353	.340	11.24	2.08	7.2	8.5	7.4	8.1
November	29.936	30.596	29.281	47.7	49.8	48.5	51.1	45.6	48.4	62	41	46	46	46	93	88	91	.306	.315	.310	9.04	1.61	6.7	7.4	7.4	7.9
December	29.945	30.560	29.065	43.1	44.4	44.1	46.2	41.6	43.9	53	36	40	41	41	90	88	89	.254	.260	.258	6.53	1.43	6.3	5.8	8.0	6.9
Year	29.945	30.596	29.065	47.9	50.7	50.5	52.5	46.4	49.5	75	28	46	46	46	92	87	87	.313	.325	.322	73.12	2.96	6.7	6.5	6.4	7.4

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	29.635	30.120	29.230	42.9	56.3	----	61.6	40.5	51.0	78	13	35	35	----	73	48	----	0.242	0.245	----	0.35	0.23	5.2	4.6	----	4.7
February	29.551	29.880	29.080	45.2	55.7	----	61.1	42.7	51.9	76	29	40	41	----	83	61	----	.271	.281	----	4.45	1.66	5.8	5.8	----	5.6
March	29.383	29.800	28.900	53.6	68.5	----	74.9	50.5	62.7	95	33	45	45	----	75	48	----	.333	.331	----	.30	.16	5.1	4.1	----	4.5
April	29.350	29.710	28.890	55.2	67.9	----	74.8	51.8	63.3	90	36	49	48	----	80	52	----	.375	.374	----	2.14	.87	5.5	4.3	----	4.5
May	29.365	29.730	29.020	66.2	81.2	----	85.8	62.4	74.1	99	51	58	56	----	77	46	----	.508	.471	----	1.69	.85	4.1	3.9	----	3.9
June	29.251	29.500	28.920	73.9	85.5	----	90.0	70.7	80.4	97	57	69	66	----	85	55	----	.718	.654	----	2.88	.77	6.1	4.2	----	4.5
July	29.408	29.580	29.200	76.3	89.9	----	95.2	73.3	84.2	100	70	72	67	----	87	48	----	.783	.667	----	1.10	.43	4.5	3.3	----	3.9
August	29.407	29.540	29.220	76.2	91.6	----	96.6	74.2	85.4	99	69	71	66	----	83	44	----	.750	.649	----	.29	.21	2.4	2.9	----	3.1
September	29.413	29.620	29.240	68.0	81.9	----	86.4	66.6	76.5	95	57	62	61	----	82	53	----	.578	.558	----	3.00	1.02	5.0	4.6	----	4.6
October	29.454	29.750	29.120	62.8	79.9	----	84.4	60.7	72.6	93	40	58	56	----	85	46	----	.525	.471	----	.39	.25	4.0	3.5	----	3.8
November	29.582	29.990	29.200	50.3	62.8	----	66.3	46.8	56.6	81	33	44	44	----	80	56	----	.324	.326	----	1.43	.86	5.6	5.4	----	5.4
December	29.585	29.940	29.190	42.1	55.9	----	59.8	38.8	49.3	79	28	36	37	----	80	52	----	.231	.242	----	3.19	1.27	4.5	4.4	----	4.4
Year	29.449	30.120	28.890	59.4	73.1	----	78.1	56.6	67.3	100	13	53	52	----	81	51	----	.470	.439	----	21.21	1.66	4.8	4.3	----	4.4

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

TACOMA, WASH.

[H_b=194 ft.; h_t=72 ft.; h_r=165 ft.; h_a=201 ft.]

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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: Thunderstorms	Aurora
	Miles		*Mi.*																									
January	4.8	S.	28	S.	0	2	1	4	2	9	5	5	3	0	0	8	23	23	18	4	1	0	3	1	0	8	0	0
February	5.6	N.	28	SW.	0	10	1	4	1	5	2	1	5	0	3	10	16	12	5	0	0	0	5	0	0	5	0	0
March	8.6	S.	36	S.	1	8	0	1	2	6	11	2	1	0	5	8	18	24	22	0	0	0	1	0	0	3	1	0
April	8.4	S.	44	S.	1	9	1	0	0	4	11	4	1	0	3	13	14	19	17	0	0	0	0	0	0	0	1	0
May	7.2	N.	30	SW.	0	18	0	0	0	1	4	7	1	0	14	7	10	4	4	0	0	0	0	0	0	0	0	0
June	6.8	SW.	29	SW.	0	13	2	0	0	1	8	4	2	0	2	13	15	8	4	0	0	0	0	0	0	0	0	0
July	6.2	N.	21	SW.	0	16	0	0	0	1	2	11	1	0	11	10	10	4	2	0	0	0	0	0	1	0	0	0
August	5.7	N.	27	W.	0	19	0	0	1	0	1	9	1	0	8	18	5	2	0	0	0	0	3	0	0	0	0	0
September	5.9	N.	28	SW.	0	19	1	0	0	1	5	3	1	0	8	12	10	5	2	0	0	0	3	0	0	0	0	0
October	7.0	S.	30	SW.	0	12	1	1	1	6	8	0	2	0	3	5	23	14	13	0	0	1	1	0	0	1	2	0
November	5.9	S.	32	SW.	0	8	1	3	3	9	3	2	1	0	0	6	24	15	11	0	0	0	9	0	0	3	0	0
December	6.2	S.	35	S.	1	6	3	3	4	9	2	4	0	0	5	4	22	14	12	0	0	0	6	0	0	10	0	0
Year	6.5	N.	44	S.	3	140	11	16	14	52	62	52	19	0	62	114	190	144	110	4	1	1	31	1	1	30	4	0

TAMPA, FLA.

[H_b=35 ft.; h_t=79 ft.; h_r=71 ft.; h_a=87 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	5.7	E.	20	NW.	0	11	10	12	1	1	2	10	14	1	15	9	7	5	3	0	0	0	3	0	0	3	0	0
February	6.1	NE.	21	SE.	0	8	18	2	2	12	3	4	9	0	9	12	8	7	5	0	0	0	0	0	0	0	0	0
March	5.8	SW.	20	SW.	0	4	8	7	4	7	17	6	9	0	14	8	9	5	3	0	0	1	0	0	0	0	4	0
April	6.8	E.	27	SW.	0	5	12	12	5	11	5	6	4	0	14	8	8	6	6	0	0	0	0	0	0	0	4	0
May	6.0	SW.	19	SW.	0	4	6	10	2	7	14	9	9	1	15	9	7	5	5	0	0	0	0	0	0	0	5	0
June	4.7	E.	34	SE.	1	4	11	15	12	2	2	12	2	0	4	23	3	15	15	0	0	1	0	0	18	0	21	0
July	4.3	E.	15	SW.	0	3	7	18	13	5	6	7	3	0	1	18	12	13	11	0	0	0	0	0	19	0	22	1
August	5.9	NE.	36	SE.	1	2	18	14	3	8	3	7	7	0	6	15	10	14	12	0	0	0	0	0	20	0	13	0
September	5.6	NE.	31	N.	0	3	25	12	3	3	5	4	5	0	4	9	17	19	16	0	0	0	0	0	10	0	15	0
October	5.6	NE.	19	E.	0	10	32	13	0	0	1	2	4	0	13	14	4	9	7	0	0	0	2	0	0	0	6	0
November	6.3	NE.	18	NE.	0	9	23	8	2	2	2	3	11	0	8	14	8	2	0	0	0	0	1	0	0	0	0	0
December	5.2	NE.	19	E.	0	14	15	1	4	9	4	5	10	0	15	5	11	4	1	0	0	0	7	0	0	0	0	0
Year	5.7	NE.	36	SE.	2	77	185	124	51	67	64	75	87	2	118	144	104	104	84	0	0	2	13	0	67	3	90	1

TATOOSH ISLAND, WASH.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	19.0	E.	66	E.	15	0	3	36	4	14	1	3	1	0	4	4	23	21	20	1	1	0	4	0	0	1	0	0
February	15.9	E.	56	E.	12	1	1	38	3	5	3	5	2	0	8	4	17	16	14	0	0	0	0	0	0	0	0	0
March	18.0	E.	74	E.	16	1	1	21	5	15	15	3	1	0	4	7	20	24	19	0	0	1	1	0	0	0	2	0
April	14.6	E.	50	SW.	11	0	2	17	4	14	10	11	2	0	4	5	21	24	17	1	0	0	0	0	0	0	0	0
May	10.3	S.	38	SW.	3	3	2	6	3	17	11	16	3	1	4	13	14	12	8	0	0	0	4	0	0	0	0	0
June	8.4	W.	31	S.	0	1	0	4	0	17	14	21	2	1	0	11	19	12	5	0	0	0	5	0	0	0	1	0
July	8.2	S.	28	S.	0	0	0	2	4	19	25	7	4	1	7	8	16	9	3	0	0	0	4	0	0	0	0	0
August	7.6	S.	24	S.	0	1	1	2	0	29	20	6	0	3	6	5	20	6	1	0	0	0	14	0	0	0	0	0
September	10.8	S.	55	S.	3	2	10	5	1	23	12	6	0	1	8	3	19	10	7	0	0	0	16	0	0	0	0	0
October	12.0	E.	50	S.	6	2	6	17	2	19	10	4	1	1	3	7	21	21	15	0	0	0	2	0	0	0	1	0
November	16.5	E.	51	S.	14	0	2	33	3	15	2	2	2	1	4	5	21	23	19	0	0	1	2	0	0	0	3	0
December	17.2	E.	52	S.	15	1	2	37	5	10	2	4	1	0	9	4	18	19	19	0	0	0	0	0	0	0	1	0
Year	13.2	E.	74	E.	95	12	30	218	34	197	125	88	19	9	61	76	229	197	147	2	1	2	52	0	0	1	8	0

TAYLOR, TEX.

[H_b=583 ft.; h_t=55 ft.; h_r=48 ft.; h_a=63 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	6.9	S.	28	S.	0	5	1	2	3	9	3	3	5	0	11	12	8	4	3	2	2	0	2	1	0	8	0	0
February	7.1	N.	29	N.	0	4	3	1	3	5	1	3	9	0	11	7	11	10	8	0	0	1	1	0	0	4	2	0
March	9.1	S.	27	S.	0	6	0	2	3	9	2	2	7	0	14	0	8	4	3	1	0	0	0	0	2	0	2	0
April	11.5	S.	30	SE.	0	7	0	0	4	11	1	0	6	1	13	11	6	6	6	0	0	2	0	0	2	0	5	0
May	7.8	S.	24	E.	0	0	0	2	4	13	2	1	9	0	14	13	4	7	5	0	0	0	1	0	9	0	6	0
June	11.0	S.	28	S.	0	1	1	0	8	16	1	0	4	0	13	13	4	6	5	0	0	1	0	0	20	0	7	0
July	7.7	S.	28	S.	0	0	0	0	6	22	2	0	1	0	16	11	4	4	4	0	0	0	0	0	28	0	6	0
August	6.7	S.	28	E.	0	2	1	1	3	16	3	2	2	1	23	6	2	2	2	0	0	0	0	0	31	0	6	0
September	5.7	N.	25	SE.	0	13	2	2	2	4	1	0	6	0	13	8	9	9	7	0	0	0	0	0	14	0	5	0
October	6.6	S.	24	SE.	0	2	1	0	6	12	6	1	3	0	15	11	5	4	2	0	0	0	3	0	11	0	2	0
November	6.0	NW.	26	S.	0	4	1	3	1	6	4	1	9	1	10	7	13	9	7	0	0	0	0	0	0	0	0	0
December	6.6	NW.	25	SW.	0	3	1	1	1	5	5	4	10	1	13	11	7	9	7	0	0	0	0	0	0	4	0	0
Year	7.3	S.	30	SE.	0	47	11	14	44	127	31	17	71	4	166	119	81	74	59	3	2	4	7	1	117	16	41	0

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

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
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.507	30.010	28.660	25.5	32.6	32.1	37.5	22.5	30.0	65	−6	21	25	26	82	74	76	0.133	0.156	0.158	1.83	1.23	5.6	6.0	3.8	5.5
February	29.482	29.900	28.910	30.3	35.1	35.3	40.8	26.8	33.8	60	10	25	28	28	79	76	76	.144	.162	.163	3.82	2.06	6.6	6.8	6.0	6.3
March	29.361	29.820	28.700	35.5	44.8	44.0	50.9	32.6	41.8	80	19	30	31	31	78	60	60	.176	.188	.183	4.55	3.83	5.1	6.5	6.0	6.1
April	29.327	29.710	28.860	42.3	52.9	52.8	58.9	39.9	49.4	78	26	34	34	35	74	52	54	.208	.212	.219	2.09	1.13	5.4	6.1	5.9	6.3
May	29.351	29.790	29.000	57.3	68.8	68.3	73.5	52.3	62.9	88	40	46	45	46	66	46	49	.326	.321	.336	2.55	1.05	4.2	5.6	4.2	5.2
June	29.237	29.580	28.970	62.2	71.0	69.9	74.8	58.8	66.8	86	50	58	61	61	85	74	74	.489	.566	.548	6.88	2.23	7.5	7.6	7.1	7.2
July	29.383	29.690	29.150	71.3	82.0	80.6	86.0	67.4	76.7	94	56	64	63	65	78	55	60	.609	.601	.624	2.45	.95	4.3	4.9	4.0	4.7
August	29.404	29.620	29.120	69.8	82.3	79.4	85.7	65.7	75.7	92	56	65	65	66	84	58	65	.619	.634	.633	4.06	1.56	4.2	5.0	4.1	5.0
September	29.444	29.670	29.190	55.0	70.9	66.6	74.3	52.7	63.5	90	34	50	50	52	85	50	60	.391	.400	.418	2.27	1.16	2.9	3.6	3.8	4.3
October	29.480	29.880	29.140	52.5	64.5	61.3	68.3	50.3	59.3	87	29	48	48	48	84	58	65	.361	.372	.370	3.73	1.34	5.6	4.8	3.7	5.1
November	29.492	29.890	29.060	40.3	47.3	45.5	50.9	37.4	44.2	69	19	35	35	36	81	64	70	.215	.219	.228	2.08	.81	6.9	6.9	5.9	6.8
December	29.506	29.880	28.900	31.4	39.2	37.5	42.6	28.4	35.5	56	9	26	28	28	81	63	69	.153	.164	.164	1.91	.75	5.2	5.4	5.6	5.8
Year	29.414	30.010	28.660	47.8	57.6	56.1	62.0	44.6	53.3	94	−6	42	43	44	80	61	65	.319	.333	.339	38.22	3.83	5.3	5.8	5.0	5.7

THOMASVILLE, GA.

[ϕ=30° 48′ N.; λ=83° 58′ W.]

Month	Monthly mean	Maximum	Minimum	8 a. m.	Noon, local time	8 p. m.	Maximum	Minimum	Monthly	Maximum	Minimum	8 a. m.	Noon, local time	8 p. m.	8 a. m.	Noon, local time	8 p. m.	8 a. m.	Noon, local time	8 p. m.	Total	Maximum in 24 hours	8 a. m.	Noon, local time	8 p. m.	Daylight
January	29.941	30.320	29.500	42.3	55.1	52.2	60.0	40.6	50.3	79	18	35	36	37	74	52	57	0.237	0.263	0.261	0.94	0.54	5.1	5.1	4.1	5.2
February	29.846	30.180	29.410	47.3	58.0	56.0	63.5	45.1	54.3	77	23	43	43	43	85	60	64	.298	.306	.299	5.41	2.19	6.9	7.3	4.6	7.1
March	29.723	30.060	29.250	56.1	65.9	63.0	71.5	52.4	62.0	84	38	50	50	50	83	60	65	.400	.396	.385	9.77	2.85	5.9	6.3	4.4	6.4
April	29.720	30.080	29.300	59.8	70.2	66.0	75.1	53.9	64.5	85	43	52	50	50	78	52	60	.410	.383	.379	7.92	2.20	4.8	6.3	4.6	5.5
May	29.660	29.980	29.303	66.5	77.9	73.5	81.8	61.5	71.6	92	44	59	56	58	79	50	60	.518	.468	.490	2.08	1.05	5.6	6.5	5.2	6.0
June	29.694	29.810	29.580	75.4	83.7	78.0	88.3	69.0	78.6	95	61	70	67	68	82	58	73	.726	.659	.691	4.94	1.63	4.9	6.9	7.3	6.7
July	29.750	29.870	29.600	76.7	85.4	79.2	90.0	72.2	81.1	95	69	72	71	72	86	63	78	.792	.754	.772	10.45	4.02	4.6	6.4	5.6	6.2
August	29.726	29.960	29.089	76.5	84.3	79.1	88.6	72.5	80.6	95	69	73	71	73	89	67	81	.808	.768	.800	13.75	5.25	6.2	7.8	8.1	7.5
September	29.690	29.862	29.160	71.5	81.4	75.0	84.5	68.1	76.3	92	52	68	67	68	90	63	81	.703	.667	.706	8.02	2.10	6.1	6.9	6.4	6.8
October	29.808	30.090	29.550	64.9	76.8	70.7	80.8	62.1	71.4	89	47	61	60	62	88	58	74	.573	.548	.573	1.66	.87	4.9	5.3	2.2	5.1
November	29.884	30.180	29.570	48.9	64.0	58.1	67.4	47.1	57.2	81	29	44	44	46	84	50	66	.316	.324	.346	1.10	.67	5.1	5.6	3.5	5.2
December	29.864	30.070	29.563	45.6	58.1	54.5	62.3	43.5	52.9	75	30	41	41	41	85	55	63	.286	.280	.282	1.84	.97	4.5	5.3	4.6	5.4
Year	29.775	30.320	29.080	61.0	71.7	67.1	76.2	57.3	66.7	95	18	56	55	56	84	57	68	.506	.485	.499	67.88	5.25	5.4	6.3	5.0	6.1

TOLEDO, OHIO

[ϕ=41° 40′ N.; λ= 83° 34′ 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	29.343	29.833	28.360	24.0	29.2	29.6	34.7	21.1	27.9	57	0	19	21	22	80	71	73	0.118	0.128	0.133	1.48	0.69	7.3	6.9	7.4	6.9
February	29.376	29.850	28.750	26.2	31.6	30.7	35.7	22.1	28.9	49	4	21	23	24	78	68	74	.121	.130	.135	2.18	.79	6.9	7.3	5.3	6.4
March	29.260	29.810	28.430	31.4	40.2	37.9	43.5	27.4	35.4	73	15	24	28	26	73	60	61	.142	.165	.152	2.33	1.07	6.2	6.0	6.1	5.6
April	29.253	29.630	28.690	41.0	48.5	46.4	53.3	36.1	44.7	75	25	32	33	33	72	57	60	.196	.200	.199	2.39	1.10	6.1	5.7	5.9	5.5
May	29.290	29.820	28.940	55.3	64.7	62.3	68.4	49.8	59.1	89	35	44	42	44	66	48	53	.297	.289	.305	1.44	.43	4.5	5.3	4.2	3.9
June	29.177	29.590	28.840	61.3	67.6	65.9	71.3	56.0	63.6	84	44	54	55	56	78	66	72	.428	.446	.461	3.89	1.34	5.9	6.4	6.5	5.9
July	29.312	29.660	29.060	70.4	80.1	77.0	83.3	65.0	74.2	91	55	62	62	63	76	55	64	.572	.558	.582	3.28	.88	3.7	4.4	3.7	3.7
August	29.354	29.610	29.080	68.3	78.7	75.6	82.3	63.5	72.9	94	53	62	61	61	82	56	62	.573	.555	.560	2.68	.91	4.1	4.3	3.4	3.2
September	29.377	29.690	29.010	55.2	67.8	63.8	70.8	52.0	61.4	87	37	49	47	49	80	48	60	.364	.345	.370	1.66	.58	3.5	3.8	3.7	3.4
October	29.411	29.828	29.030	51.1	61.2	58.1	64.9	48.1	56.5	87	29	46	46	46	84	59	67	.339	.338	.342	1.73	.77	5.1	5.3	4.2	5.3
November	29.366	29.780	28.825	39.7	45.8	43.5	48.9	37.5	43.2	70	20	35	35	36	83	67	74	.215	.215	.221	2.40	.60	7.1	7.7	7.2	7.3
December	29.428	29.760	28.630	30.8	36.5	35.0	39.8	28.1	34.0	52	9	25	27	27	77	66	72	.140	.152	.155	2.36	1.25	6.8	6.7	5.9	6.6
Year	29.329	29.850	28.360	46.2	54.3	52.2	58.1	42.2	50.2	94	0	39	40	41	77	60	66	.292	.293	.301	27.82	1.34	5.6	5.8	5.3	5.3

TOPEKA, KANS.

[ϕ=39° 03′ N.; λ=95° 41′ 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				26.4			42.8	23.9	33.4	68	−8										0.02	0.01				3.2
February				30.8			45.7	27.3	36.5	69	10										2.43	2.10				5.2
March				37.9			60.0	35.5	47.8	85	18										.53	.28				4.1
April				43.8			62.2	41.1	51.6	88	25										2.69	1.61				4.4
May				58.2			79.0	54.8	66.9	96	45										2.46	.57				3.7
June				63.1			78.0	59.5	68.8	91	51										5.11	1.07				5.5
July				71.7			87.8	68.8	78.3	98	60										2.75	.74				4.2
August				69.9			87.6	67.3	77.4	97	52										4.91	1.67				3.4
September				56.7			78.6	54.9	66.8	95	38										2.51	1.42				2.9
October				51.9			71.2	48.7	60.0	93	33										1.47	.63				4.1
November				38.1			53.0	35.1	44.0	73	20										6.08	3.71				4.9
December				31.0			44.3	28.8	36.6	61	15										1.24	.56				5.1
Year				48.3			65.8	43.5	55.7	98	−8										32.20	3.71				4.2

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

TERRE HAUTE, IND.

[H_b=575 ft.; h_t=96 ft.; h_r=88 ft.; h_a=129 ft.]

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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: Thunderstorms	Aurora
	Miles		*Mi.*																									
January	9.7	S.W.	37	W.	2	3	2	2	3	14	16	7	15	0	12	6	13	7	4	6	4	0	1	12	0	20	1	0
February	9.3	NW.	28	SW.	0	4	1	5	4	12	13	5	14	0	8	6	15	12	10	9	4	0	0	4	0	19	0	0
March	9.5	NW.	36	NW.	1	7	4	5	8	8	9	3	18	0	7	13	11	9	5	4	1	1	1	1	0	20	3	0
April	11.0	S.	33	SE.	1	9	7	4	7	10	5	10	8	0	4	13	13	11	7	3	1	0	0	0	0	9	1	0
May	8.2	N.	30	SW.	0	13	11	5	2	14	6	2	9	0	10	12	9	8	7	0	0	2	0	0	0	0	7	0
June	8.0	S.	27	S.	0	3	6	3	6	13	9	12	8	0	2	14	14	20	17	0	0	0	0	0	0	0	14	0
July	6.2	S.	32	N.	0	13	8	4	4	16	9	4	4	0	9	20	2	8	8	0	0	0	0	0	7	0	9	2
August	6.4	S.	30	NW.	0	16	9	6	6	15	6	4	0	0	9	17	5	8	6	0	0	1	0	0	8	0	9	0
September	7.3	SW.	25	NW.	0	14	3	4	3	12	11	6	6	1	12	13	5	9	7	0	0	1	0	0	0	0	3	0
October	7.5	S.	25	W.	0	6	3	3	12	18	4	4	12	0	12	10	9	10	10	0	0	0	0	0	0	1	4	0
November	9.2	S.	32	S.	0	3	0	5	5	17	10	6	14	0	10	2	18	18	9	4	2	0	0	1	0	7	0	0
December	7.5	S.	24	S.	0	5	3	5	9	18	11	4	7	0	11	7	13	9	6	5	2	0	1	3	0	23	1	0
Year	8.3	S.	37	W.	4	96	57	51	69	167	109	67	115	1	106	133	127	128	96	31	14	5	3	21	15	98	52	2

THOMASVILLE, GA.

[H_b=273 ft.; h_t=49 ft.; h_r=41 ft.; h_a=58 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	4.3	SW.	16	SW.	0	11	7	6	0	9	9	5	13	2	14	3	14	3	2	0	0	0	2	1	0	9	0	0
February	4.1	NW.	19	SW.	0	6	9	10	0	7	8	2	10	1	4	10	15	13	10	1	0	0	2	0	0	3	2	0
March	4.7	SW.	22	SW.	0	3	6	6	0	16	14	0	10	1	8	9	14	13	11	0	0	0	3	0	0	0	8	0
April	4.6	SW.	22	SW.	0	8	4	11	2	16	10	4	5	0	11	8	11	9	9	0	0	0	0	0	0	0	5	0
May	4.6	SW.	19	NE.	0	8	5	12	0	7	16	8	4	2	8	9	14	9	5	0	0	1	0	0	1	0	5	0
June	3.7	SW.	19	SW.	0	4	3	2	3	25	16	4	2	1	3	12	15	12	10	0	0	1	0	0	12	0	12	0
July	2.8	SW.	19	N.	0	2	7	10	1	16	12	6	4	4	6	12	13	19	15	0	0	0	0	0	18	0	18	0
August	3.7	NE.	29	E.	0	1	16	13	2	6	13	5	0	6	2	9	20	19	15	0	0	0	0	0	16	0	14	0
September	3.7	NE.	24	N.	0	3	21	16	0	5	6	1	5	3	7	8	15	14	13	0	0	0	0	0	7	0	4	0
October	3.6	NE.	14	SW.	0	6	23	19	0	6	1	1	5	1	11	10	10	8	5	0	0	0	1	0	0	0	3	0
November	3.6	NW.	16	SW.	0	10	11	11	0	6	2	6	11	3	10	10	10	5	2	0	0	0	0	0	0	2	0	0
December	3.8	N.	16	SW.	0	17	13	7	1	3	4	6	7	4	12	6	13	7	5	0	0	0	2	0	0	5	0	0
Year	3.9	SW.	29	E.	0	84	125	123	9	122	111	54	76	28	96	106	164	131	102	1	0	2	10	1	54	19	71	0

TOLEDO, OHIO

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	16.1	SW.	52	W.	7	3	1	1	2	4	31	16	4	0	6	9	16	11	5	13	7	0	1	13	0	24	0	0
February	13.5	SW.	39	SW.	4	3	2	7	2	7	18	12	7	0	5	10	13	16	11	15	9	0	0	10	0	25	0	0
March	13.6	W.	44	SW.	6	9	2	7	2	4	14	17	7	0	12	5	14	12	6	16	7	0	0	5	0	24	4	0
April	14.7	W.	56	SW.	10	9	4	8	3	12	9	12	3	0	10	12	8	12	10	6	4	0	1	0	0	12	5	0
May	10.1	SW.	30	N.	0	12	3	13	4	4	12	7	7	0	15	11	5	11	8	0	0	0	0	0	0	0	7	0
June	11.4	SW.	36	SW.	1	3	2	11	2	5	22	9	6	0	8	12	10	15	12	0	0	0	0	0	0	0	5	0
July	9.2	SW.	42	SW.	1	13	1	2	4	3	21	11	7	0	14	15	2	11	9	0	0	0	0	0	4	0	9	0
August	9.5	SW.	44	SW.	2	15	2	11	2	4	18	4	6	0	18	12	1	12	8	0	0	0	0	0	6	0	9	0
September	11.5	SW.	33	SW.	1	11	1	5	3	1	22	10	7	0	17	11	2	7	6	0	0	0	0	0	0	0	3	0
October	11.3	SW.	37	SW.	2	5	0	3	5	15	18	8	8	0	9	9	13	14	7	0	0	1	0	0	0	1	4	0
November	13.6	SW.	41	SW.	6	4	2	2	1	7	21	11	12	0	4	7	19	14	9	7	4	0	0	1	0	8	0	0
December	11.2	SW.	38	W.	2	3	0	6	6	9	22	14	2	0	8	6	17	11	6	9	6	0	0	5	0	21	0	0
Year	12.1	SW.	56	SW.	42	90	20	76	36	75	228	131	76	0	127	119	120	146	97	66	37	1	2	34	10	115	46	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	Thunderstorms	Aurora
January	8.3	SW.	30	NW.	0	5	2	0	1	3	10	2	8	0	18	8	5	2	0	2	1	0	2	6	0	20	0	0
February	9.1	NW.	30	N.	0	6	2	1	2	3	4	6	5	0	10	9	10	5	4	3	1	0	2	5	0	20	1	0
March	9.5	SW.	33	N.	1	6	1	0	5	3	5	5	6	0	14	12	5	5	3	3	1	0	1	0	0	13	2	0
April	11.8	SW.	46	N.	3	7	2	4	3	3	6	3	2	0	15	9	6	6	5	1	0	0	0	0	0	6	2	0
May	8.5	SW.	29	NW.	0	3	2	1	0	7	4	5	3	0	16	11	4	8	8	0	0	0	0	0	1	0	5	0
June	7.6	N.	34	S.	2	4	4	2	5	3	2	6	4	0	8	16	6	15	11	0	0	0	0	0	1	0	11	0
July	7.2	SW.	44	SE.	2	2	3	0	8	5	10	2	3	0	15	10	6	9	8	0	0	0	0	0	13	0	9	2
August	7.3	S.	33	N.	1	5	3	2	10	5	3	2	1	0	17	11	3	8	7	0	0	0	0	0	14	0	11	0
September	7.8	S.	29	SE.	0	2	2	3	6	5	4	3	5	0	18	9	3	9	7	0	0	1	0	0	4	0	7	0
October	8.4	S.	30	NW.	0	3	3	1	4	9	3	3	5	0	16	5	10	8	7	0	0	0	1	0	2	0	7	0
November	9.6	SW.	29	SW.	0	4	0	1	4	4	8	3	6	0	13	7	10	11	7	4	1	0	1	0	0	16	2	0
December	8.8	SW.	26	NW.	0	7	0	0	4	4	7	7	2	0	11	7	13	4	4	6	3	0	0	1	0	22	0	0
Year	8.7	SW.	46	N.	9	54	24	15	56	54	66	47	50	0	171	114	81	90	71	19	7	1	7	12	35	91	57	2

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

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.	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	29.817	30.361	28.770	29.6	36.8	33.4	42.2	25.0	33.6	58	7	22	23	23	72	58	64	0.128	0.134	0.133	1.74	0.70	5.3	4.9	3.6	5.2
February	29.880	30.490	29.070	29.3	36.4	34.6	40.6	24.4	32.5	56	7	22	25	26	74	62	68	.132	.145	.148	4.09	1.36	5.3	6.0	4.7	6.2
March	29.706	30.280	29.040	35.0	41.9	41.1	47.4	30.8	39.1	77	18	28	29	30	76	63	64	.161	.172	.175	2.19	.81	5.0	6.4	4.5	5.7
April	29.756	30.300	29.030	44.2	52.0	49.9	57.8	38.7	48.2	79	28	37	38	38	76	62	66	.227	.247	.240	4.67	1.24	5.4	6.2	4.8	5.8
May	29.712	30.257	29.360	55.9	65.4	60.9	69.9	49.7	59.8	91	40	46	47	47	70	54	63	.315	.343	.342	2.45	.68	6.1	6.6	6.1	6.4
June	29.693	30.002	29.340	65.5	72.8	68.1	76.2	59.4	67.8	90	52	57	56	58	76	60	72	.494	.480	.489	5.90	1.32	7.2	7.2	7.2	7.1
July	29.766	30.080	29.480	72.9	81.1	75.8	84.8	66.0	75.4	93	59	65	65	67	78	60	74	.633	.633	.658	7.17	2.27	5.1	5.9	5.5	5.5
August	29.823	30.120	29.480	71.9	80.2	75.4	84.1	66.9	75.5	96	57	67	68	68	85	67	78	.673	.690	.685	3.40	1.94	7.1	6.5	6.4	6.6
September	29.846	30.210	29.500	60.4	68.2	63.5	70.9	55.7	63.3	86	41	54	55	56	81	64	77	.438	.456	.466	3.42	1.06	6.2	6.5	4.2	6.3
October	29.933	30.320	29.460	52.1	64.4	58.1	67.2	47.6	57.4	84	30	47	52	50	82	64	76	.344	.425	.397	1.58	1.27	3.2	4.2	3.2	4.2
November	29.829	30.290	29.260	42.9	51.2	46.9	54.2	38.9	46.6	73	21	37	38	37	78	62	70	.233	.252	.242	1.91	.75	7.3	6.9	5.3	7.1
December	29.921	30.272	29.090	33.6	41.3	38.7	45.7	30.7	38.2	60	17	27	29	30	76	62	69	.154	.168	.172	1.19	.47	6.9	6.2	4.4	5.6
Year	29.807	30.490	28.770	49.4	57.6	53.9	61.8	44.5	53.1	96	7	42	44	44	77	61	70	.327	.345	.346	39.71	2.27	5.8	6.1	5.0	6.0

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.	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	27.357	27.850	26.670	19.9	34.2	29.6	38.3	15.6	27.0	63	−22	16	20	20	84	58	68	0.099	0.115	0.114	0.26	0.12	2.9	4.4	3.5	4.5
February	27.356	27.630	26.900	19.6	36.8	34.3	42.4	16.1	29.2	68	−5	15	18	20	82	48	56	.088	.101	.109	.38	.14	2.4	3.7	3.0	3.7
March	27.249	27.670	26.670	28.1	46.9	45.9	51.5	24.9	38.2	80	6	22	24	25	77	44	49	.118	.131	.136	2.00	.91	3.4	5.2	4.5	4.9
April	27.195	27.630	26.670	32.5	50.1	50.6	56.1	29.4	42.8	82	12	25	25	25	73	40	39	.134	.135	.135	.55	.28	5.2	4.8	3.7	4.8
May	27.286	27.670	26.970	50.8	69.3	68.8	74.1	47.9	61.0	92	34	40	38	38	68	38	38	.257	.242	.236	1.62	.57	4.7	4.6	4.2	4.5
June	27.168	27.420	26.590	53.2	67.2	67.2	72.3	50.6	61.4	91	40	49	47	48	85	52	53	.347	.329	.335	3.35	1.20	5.5	5.3	6.8	6.2
July	27.298	27.550	26.940	64.2	79.1	79.9	84.1	61.4	72.8	94	53	59	58	58	83	51	50	.501	.494	.489	3.76	.99	5.4	4.3	4.0	4.7
August	27.278	27.551	26.930	61.4	81.6	82.2	86.4	59.3	72.8	100	42	54	51	51	78	39	37	.430	.394	.382	2.10	1.33	3.3	2.5	3.0	3.2
September	27.316	27.650	26.900	48.8	69.5	67.4	74.2	45.5	59.8	91	24	40	37	38	74	34	36	.268	.234	.242	.78	.40	3.6	2.7	3.7	3.9
October	27.324	27.820	26.722	40.6	56.9	53.7	61.5	37.8	49.6	91	23	33	32	32	74	46	50	.188	.183	.183	1.63	.74	5.1	4.8	5.2	5.3
November	27.362	27.880	26.581	28.6	41.9	37.8	45.4	25.4	35.4	66	8	24	27	27	83	58	66	.132	.149	.149	.66	.27	5.0	5.4	3.4	5.4
December	27.316	27.740	26.845	22.4	37.0	31.6	42.1	17.3	29.7	67	1	17	21	21	79	56	64	.093	.112	.111	.66	.25	3.3	4.6	2.8	3.9
Year	27.292	27.880	26.581	39.2	55.9	54.1	60.7	35.9	48.3	100	−22	33	23	34	78	47	50	.221	.218	.218	17.78	1.33	4.2	4.4	4.0	4.6

VICKSBURG, MISS.

[ϕ=32° 22′ N.; λ=90° 53′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	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	29.985	30.460	29.500	42.2	51.3	51.6	57.1	40.0	48.6	76	13	37	38	37	81	62	58	0.255	0.262	0.253	1.07	0.64	5.5	5.5	4.2	5.6
February	29.898	30.270	29.550	43.2	53.8	54.3	58.8	41.6	50.2	72	26	37	38	38	79	58	56	.243	.259	.247	2.63	.83	5.9	5.1	5.0	5.5
March	29.736	30.180	29.320	51.9	62.8	62.1	68.1	49.6	58.8	85	35	45	47	46	78	59	59	.318	.360	.339	3.52	1.69	6.4	5.8	5.4	6.0
April	29.715	30.070	29.300	54.8	65.5	65.0	70.6	51.1	60.8	84	38	49	52	50	81	63	60	.367	.400	.381	9.30	2.33	5.6	4.8	4.9	4.8
May	29.704	29.930	29.410	65.2	76.6	75.6	80.4	62.8	71.6	90	53	58	62	60	78	61	60	.497	.561	.528	2.29	1.24	4.4	3.7	4.0	4.2
June	29.650	29.860	29.340	72.5	81.3	79.5	85.3	69.5	77.4	91	62	68	68	69	87	66	72	.694	.696	.715	9.76	5.96	6.7	5.7	5.5	5.7
July	29.764	29.930	29.650	76.1	85.3	82.0	89.2	73.2	81.2	94	70	72	72	72	87	65	74	.778	.780	.797	3.89	1.43	4.9	4.4	6.1	4.9
August	29.749	29.900	29.550	76.5	87.5	84.0	91.4	73.8	82.6	97	70	72	72	72	84	61	70	.771	.784	.797	2.29	.64	2.3	4.0	5.5	3.7
September	29.754	29.920	29.600	66.1	79.8	76.2	83.0	64.4	73.7	93	53	60	61	63	80	55	65	.537	.566	.587	.27	.09	4.0	4.1	4.7	4.1
October	29.824	30.090	29.564	62.1	75.6	71.8	79.1	60.6	69.8	89	45	56	58	57	82	57	63	.483	.523	.502	1.17	.50	4.0	4.3	3.5	4.0
November	29.926	30.310	29.602	48.2	60.6	58.3	64.5	46.3	55.4	81	30	43	42	44	83	54	62	.299	.298	.320	3.08	1.88	5.3	4.8	4.8	5.0
December	29.909	30.220	29.470	42.6	53.9	52.6	58.3	40.2	49.2	73	27	36	38	36	78	57	55	.228	.247	.233	3.66	2.63	5.8	4.6	3.1	4.5
Year	29.801	30.450	29.300	58.4	69.5	67.8	73.8	56.1	64.9	97	13	53	54	54	82	60	63	.456	.478	.475	42.93	5.96	5.1	4.7	4.8	4.8

WALLA WALLA, WASH.

[ϕ=46° 02′ N.; λ=118° 20′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	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	29.202	29.571	28.480	28.3	30.8	30.7	33.9	25.5	29.7	56	6	26	26	28	91	84	88	0.143	0.143	0.151	2.88	0.84	8.6	8.8	8.9	8.9
February	29.182	29.490	28.600	33.0	38.8	41.9	43.9	30.7	37.3	54	21	28	30	31	83	70	65	.154	.164	.172	.29	.13	5.4	5.3	4.1	5.0
March	28.932	29.310	28.390	43.7	51.7	54.6	57.1	40.5	48.8	71	28	35	36	38	72	57	55	.207	.218	.234	2.59	.67	6.8	7.1	6.0	6.3
April	28.912	29.490	28.381	43.8	55.3	56.8	60.3	41.6	51.0	75	31	34	34	34	67	44	45	.195	.196	.204	1.35	.45	6.7	7.3	6.5	6.4
May	28.913	29.190	28.588	53.6	72.4	77.1	79.1	52.2	65.6	95	39	40	40	40	62	32	26	.256	.259	.249	.02	.01	2.8	2.6	2.3	2.5
June	28.825	29.070	28.547	57.7	72.1	76.0	78.3	56.2	67.2	99	47	44	43	41	61	35	31	.294	.278	.264	.58	.32	5.1	4.0	5.0	4.6
July	28.843	29.040	28.570	66.0	83.5	90.1	91.6	64.9	78.2	112	56	47	46	44	52	29	22	.325	.309	.289	.68	.31	2.7	2.1	2.1	2.4
August	28.903	29.100	28.582	61.8	79.1	84.6	86.5	60.9	73.2	98	50	43	43	40	51	28	22	.278	.278	.253	.18	.12	1.7	1.6	1.6	1.6
September	28.911	29.220	28.630	55.6	70.8	74.9	77.5	53.3	65.4	98	43	39	41	41	66	34	32	.243	.262	.263	.86	.76	2.3	2.6	2.7	2.7
October	28.971	29.220	28.530	49.3	59.3	59.9	63.6	45.3	54.4	80	30	38	37	40	66	46	50	.239	.235	.256	1.04	.37	5.2	5.1	5.5	5.1
November	29.077	29.560	28.458	39.6	46.6	44.9	49.4	36.3	42.8	64	28	35	36	37	85	69	75	.209	.204	.220	.75	.41	5.9	7.7	7.4	7.3
December	29.132	29.660	28.465	33.3	35.8	34.4	39.1	28.9	34.0	60	16	27	28	29	79	74	82	.147	.152	.161	1.32	.79	7.3	7.6	7.6	7.8
Year	28.984	29.660	28.381	47.1	57.9	60.5	63.4	44.6	54.0	112	6	36	37	37	69	50	49	.224	.225	.226	12.44	.84	5.0	5.2	5.0	5.0

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

TRENTON, N. J.

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

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 36 miles and over	Number of winds, 8 a. m. and 8 p. m.: North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Number of days: Clear	Partly cloudy	Cloudy	Precipitation: 0.01 inch and over	0.04 inch and over	Snow: T. or more	0.01 inch or more melted	Hail	Dense fog	Maximum temp.: 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorms	Aurora
	Miles		*Mi.*																									
January	12.3	SW.	44	W.	6	4	2	3	2	3	21	14	13	0	9	13	9	8	4	7	2	0	0	7	0	20	0	0
February	10.2	NW.	37	NW.	1	10	2	4	5	4	10	10	13	0	9	7	13	9	9	6	2	0	3	6	0	23	2	0
March	11.4	NW.	40	NW.	2	7	9	6	1	3	8	13	15	0	9	11	11	10	8	6	2	0	2	0	0	20	2	0
April	12.8	W.	41	E.	7	4	11	3	3	8	12	10	9	0	9	9	12	12	10	3	2	0	0	0	0	7	0	0
May	8.4	NW.	32	W.	0	12	6	8	6	7	10	7	6	0	8	9	14	12	11	0	0	0	0	0	1	0	5	0
June	8.4	SW.	31	NW.	0	2	7	10	1	11	11	9	9	0	4	9	17	15	14	0	0	1	1	0	0	0	7	0
July	7.7	SW.	34	W.	1	6	5	2	4	6	17	11	11	0	13	7	11	14	12	0	0	0	0	0	7	0	12	2
August	7.7	SW.	35	NE.	1	1	7	7	6	8	18	4	8	0	7	9	15	12	8	0	0	0	1	0	9	0	9	0
September	8.9	SW.	39	NE.	1	9	11	2	3	5	15	5	10	0	7	9	14	9	8	0	0	1	1	0	0	0	1	0
October	7.9	SW.	26	SW.	0	7	2	2	2	13	18	9	8	1	14	8	9	6	4	0	0	1	5	0	0	2	1	0
November	9.2	SW.	35	SW.	1	5	3	1	1	6	18	11	14	1	3	14	13	9	7	3	0	0	1	0	0	5	0	0
December	8.3	NW.	34	NW.	2	7	4	7	2	3	10	14	15	0	11	7	13	8	7	4	2	0	2	0	0	19	0	0
Year	9.4	SW.	44	W.	20	77	69	55	36	77	168	117	131	2	103	112	151	124	102	29	10	3	16	13	17	96	39	2

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 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	Thunderstorms	Aurora
January	7.5	W.	38	NW.	1	9	3	3	1	4	6	27	9	0	12	12	7	6	2	7	5	0	0	9	0	29	0	0
February	8.6	W.	28	NW.	0	12	1	3	0	3	2	20	17	0	15	9	5	6	4	8	5	0	1	6	0	28	0	0
March	8.3	W.	28	NW.	0	17	4	5	2	1	4	21	8	0	11	12	8	7	5	10	6	0	1	3	0	24	0	0
April	10.1	NW.	34	NW.	1	10	2	10	5	5	4	11	12	1	7	17	6	7	2	5	4	0	0	1	0	17	0	0
May	8.0	N.	32	SW.	0	12	8	8	4	6	8	11	4	1	13	11	7	10	6	0	0	0	1	0	4	0	4	0
June	7.8	W.	38	NW.	1	8	3	5	3	9	8	13	11	0	5	12	13	15	12	0	0	1	0	0	1	0	12	0
July	7.1	S.	30	SW.	0	8	6	7	10	10	6	10	5	0	11	15	5	15	9	0	0	1	1	0	4	0	15	2
August	8.0	S.	30	NW.	0	14	1	6	4	19	6	10	2	0	16	11	4	10	8	0	0	0	1	0	13	0	10	0
September	7.4	W.	31	N.	0	13	4	3	3	9	4	16	8	0	15	9	6	7	5	0	0	0	2	0	1	2	2	0
October	7.9	N.	31	NW.	0	13	5	4	5	10	4	11	10	0	10	10	11	10	6	4	4	0	0	0	2	11	0	1
November	7.2	W.	31	S.	0	12	1	3	0	3	7	24	10	0	11	6	13	7	6	4	4	0	0	3	0	22	0	0
December	7.9	W.	32	NW.	0	6	1	0	1	7	5	30	12	0	15	8	8	9	6	11	9	0	0	5	0	31	0	1
Year	8.0	W.	38	NW.	3	134	39	57	38	86	64	204	108	2	141	132	93	109	71	49	37	2	7	27	25	164	43	4

VICKSBURG, MISS.

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

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	6.7	S.	30	W.	0	10	4	5	10	17	5	2	9	0	9	12	10	6	4	1	0	0	4	3	0	8	0	0
February	6.6	SE.	26	NW.	0	9	4	9	17	6	4	5	4	0	10	9	10	9	9	1	0	0	0	0	0	5	3	0
March	7.3	S.	35	NW.	1	5	10	9	10	12	4	2	10	0	7	12	12	9	8	0	0	0	1	0	0	0	4	0
April	8.1	S.	30	SE.	0	12	5	3	14	15	3	6	2	0	12	7	11	10	10	0	0	0	0	0	0	0	9	0
May	5.8	SE.	20	SE.	0	7	6	2	14	14	8	4	7	0	15	9	7	7	7	0	0	0	1	0	1	0	6	0
June	6.3	S.	22	SW.	0	0	3	1	8	32	8	5	3	0	8	11	11	11	11	0	0	0	0	0	5	0	9	0
July	4.5	W.	23	E.	0	3	2	3	9	18	5	13	7	0	11	12	8	11	10	0	0	0	0	0	15	0	16	0
August	4.6	SE.	18	S.	0	5	5	6	16	14	7	2	6	1	19	9	3	7	7	0	0	0	0	0	26	0	12	0
September	4.8	N.	15	NE.	0	23	7	14	6	5	0	0	5	0	15	8	7	6	5	0	0	0	0	0	5	0	3	0
October	5.5	SE.	27	SW.	0	10	13	7	16	7	4	3	2	0	16	7	8	3	6	0	0	0	1	0	0	0	4	0
November	6.1	SE.	21	NW.	0	11	7	7	16	3	4	3	9	0	12	7	11	9	7	0	0	0	1	0	0	1	1	0
December	6.2	SE.	24	NW.	0	4	8	11	12	9	7	1	10	0	13	10	8	6	5	0	0	0	0	0	0	4	1	0
Year	6.0	SE.	35	NW.	1	101	74	77	148	152	59	46	74	1	147	113	106	99	89	2	0	0	8	3	52	18	68	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 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	Thunderstorms	Aurora
January	2.6	S.	14	SW.	0	1	1	2	9	21	13	11	4	0	2	1	28	14	10	9	6	0	3	15	0	28	0	0
February	3.1	S.	21	W.	0	8	1	5	3	21	6	10	4	0	13	5	11	7	2	5	2	0	0	0	0	21	0	0
March	4.8	S.	21	SW.	0	5	4	3	4	21	10	11	4	0	8	7	16	17	15	0	0	0	0	0	0	4	0	0
April	5.5	S.	25	W.	0	1	6	2	8	19	12	10	2	0	5	12	13	14	9	2	0	1	0	0	0	2	3	0
May	3.9	S.	27	W.	0	10	7	3	5	19	4	10	4	0	21	9	1	2	0	0	0	1	0	0	4	0	0	0
June	4.7	S.	19	SW.	0	0	2	3	2	23	7	22	1	0	14	9	7	6	5	0	0	1	0	0	3	0	3	0
July	3.8	W.	16	W.	0	3	2	2	2	23	6	20	3	1	20	9	2	6	3	0	0	0	0	0	16	0	4	1
August	3.9	W.	15	W.	0	3	1	3	3	20	6	18	6	2	27	3	1	2	2	0	0	1	0	0	10	0	2	0
September	3.4	S.	18	W.	0	1	3	2	3	21	11	17	0	2	20	7	3	3	2	0	0	0	1	0	3	0	0	0
October	3.6	S.	21	W.	0	0	5	1	4	24	10	12	4	2	12	8	11	8	8	0	0	0	0	0	0	1	1	1
November	2.9	S.	19	SE.	0	2	3	4	10	15	7	12	3	4	5	5	20	11	7	1	1	1	1	0	0	6	0	0
December	3.7	S.	25	S.	0	3	4	3	7	19	16	4	6	0	4	7	20	10	7	8	6	0	3	11	0	22	0	0
Year	3.8	S.	27	W.	0	37	39	33	60	246	108	157	41	11	151	82	133	100	70	25	16	5	7	26	36	84	13	2

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

WASHINGTON, D. C.

[ϕ=38° 54′ N.; λ= 77° 03′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	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	29.946	30.450	29.040	30.7	39.2	36.3	45.3	26.5	35.9	69	7	20	21	20	66	47	52	0.125	0.135	0.125	2.63	1.13	4.5	4.4	4.0	4.6
February	29.991	30.550	29.220	32.3	39.7	39.4	45.6	29.7	37.6	63	17	23	24	25	68	54	57	.132	.137	.145	2.69	.95	6.0	5.7	5.2	5.7
March	29.818	30.410	29.130	37.8	45.8	46.0	52.7	35.5	44.1	80	23	30	30	30	74	55	54	.175	.174	.177	2.17	.95	5.5	6.1	4.2	5.4
April	29.847	30.365	29.065	47.0	55.6	54.2	61.5	42.3	51.9	84	29	36	35	35	67	49	54	.224	.217	.219	4.49	1.68	5.6	5.7	6.8	5.7
May	29.796	30.380	29.395	57.3	68.1	65.3	73.6	52.6	63.1	94	41	49	48	50	74	51	60	.360	.357	.380	4.00	1.19	5.6	5.7	6.3	5.3
June	29.772	30.080	29.460	67.2	74.6	72.1	79.4	62.5	71.0	91	50	60	59	61	79	62	70	.536	.521	.545	2.66	.65	6.6	6.2	7.7	6.2
July	29.859	30.160	29.630	74.0	82.3	79.2	87.5	68.7	78.1	97	58	66	65	66	76	58	66	.643	.633	.657	2.17	1.24	3.9	4.5	4.7	5.1
August	29.909	30.165	29.540	72.1	81.2	76.5	85.9	68.2	77.0	97	57	68	68	70	86	65	80	.683	.682	.733	14.41	7.31	5.7	5.8	5.8	6.2
September	29.933	30.300	29.530	60.3	69.0	65.1	72.9	56.9	64.9	89	41	54	54	60	82	60	82	.444	.435	.531	4.29	1.58	6.4	5.9	4.9	6.4
October	30.040	30.425	29.620	53.7	65.0	60.0	69.7	50.1	59.9	88	32	48	48	51	81	54	74	.357	.358	.411	.67	.48	3.7	4.2	3.2	4.6
November	29.959	30.417	29.460	44.0	53.4	49.7	58.2	40.5	49.4	78	23	37	35	37	76	52	63	.236	.229	.246	2.01	.74	7.7	5.6	3.5	6.3
December	30.042	30.420	29.240	33.6	42.8	40.1	48.1	30.3	39.2	62	20	27	26	28	77	52	63	.153	.152	.168	1.21	1.03	6.3	4.4	3.7	4.9
Year	29.909	30.550	29.040	50.8	59.7	57.0	65.0	47.0	56.0	97	7	43	43	44	76	55	65	.339	.336	.361	43.40	7.31	5.6	5.4	5.0	5.5

WAUSAU, WIS.

[ϕ=44° 57′ N.; λ=89° 35′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	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	28.612	29.087	27.938	11.3	19.5	----	23.1	7.0	15.0	44	−20	----	----	----	----	----	----	----	----	----	0.52	0.15	5.6	5.3	----	5.8
February	28.657	29.099	28.293	13.3	23.6	----	26.9	10.6	18.8	40	−26	----	----	----	----	----	----	----	----	----	.91	.53	5.4	3.2	----	4.0
March	28.589	28.958	28.169	20.7	34.3	----	39.7	18.7	29.2	70	−5	----	----	----	----	----	----	----	----	----	1.06	.52	4.0	4.6	----	4.8
April	28.551	28.990	28.068	30.1	42.9	----	46.7	27.5	37.1	68	5	----	----	----	----	----	----	----	----	----	3.11	.80	5.2	6.3	----	6.0
May	28.641	29.112	28.380	50.4	65.9	----	68.6	45.3	57.0	89	30	----	----	----	----	----	----	----	----	----	2.29	1.20	4.6	4.9	----	5.0
June	28.503	28.959	28.115	54.1	66.6	----	69.2	49.4	59.3	86	37	----	----	----	----	----	----	----	----	----	3.28	1.04	6.2	6.9	----	6.7
July	28.650	28.922	28.360	63.3	76.2	----	79.1	59.6	69.4	90	47	----	----	----	----	----	----	----	----	----	3.69	1.08	5.7	5.9	----	6.1
August	28.681	28.950	28.290	60.4	74.7	----	77.8	56.4	67.1	91	42	----	----	----	----	----	----	----	----	----	8.75	3.37	4.8	5.8	----	5.5
September	28.659	29.020	28.190	47.9	62.2	----	64.9	45.2	55.0	77	30	----	----	----	----	----	----	----	----	----	5.64	2.50	5.6	5.1	----	4.9
October	28.604	29.140	28.150	43.4	53.2	----	56.7	40.1	48.4	82	23	----	----	----	----	----	----	----	----	----	4.52	1.47	7.4	7.3	----	7.8
November	28.663	29.120	28.070	31.7	37.6	----	40.5	29.1	34.8	55	15	----	----	----	----	----	----	----	----	----	.61	.28	6.0	7.8	----	8.0
December	28.666	29.090	28.150	21.5	27.0	----	30.0	18.2	24.1	43	−11	----	----	----	----	----	----	----	----	----	.46	.24	7.0	6.3	----	6.9
Year	28.628	29.140	27.938	37.3	48.6	----	51.9	33.9	42.9	91	−26	----	----	----	----	----	----	----	----	----	34.84	3.37	5.6	5.8	----	5.9

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	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	28.695	29.230	28.040	28.5	41.4	41.6	46.4	26.2	36.3	68	−4	22	25	25	76	54	54	0.127	0.141	0.145	0.10	0.05	3.6	3.4	2.5	3.3
February	28.653	29.030	28.070	33.0	41.8	42.7	48.2	29.1	38.6	68	10	28	29	31	81	61	64	.165	.174	.184	1.79	.87	4.1	4.3	4.4	4.3
March	28.527	28.940	27.888	40.0	52.5	53.7	58.8	37.1	48.0	81	21	33	34	34	78	52	52	.201	.213	.208	2.24	1.26	5.1	4.6	5.0	4.6
April	28.457	28.910	28.050	45.1	58.0	57.9	63.1	42.6	52.8	85	25	36	36	35	71	48	46	.225	.230	.215	5.26	2.45	5.1	4.9	4.5	4.9
May	28.513	28.920	28.245	58.4	72.4	73.4	77.2	55.8	66.5	91	46	48	49	52	70	47	50	.350	.364	.400	2.79	.78	4.3	4.4	4.1	4.3
June	28.390	28.670	28.010	63.3	74.8	74.8	78.7	59.9	69.3	89	49	59	59	60	85	60	63	.504	.516	.536	12.10	4.16	6.4	5.5	4.7	5.8
July	28.540	28.740	28.340	71.6	85.3	84.2	89.2	69.4	79.3	98	62	66	65	66	84	52	56	.653	.622	.643	3.46	1.58	4.7	3.9	3.9	3.7
August	28.548	28.790	28.275	70.7	85.7	84.9	90.6	68.9	79.8	100	52	65	62	62	82	47	49	.618	.568	.575	.70	.31	4.1	3.2	4.4	4.0
September	28.588	28.880	28.250	59.3	78.5	77.1	83.4	57.3	70.4	98	48	50	47	49	71	34	40	.381	.347	.378	.58	.49	2.4	2.1	2.3	2.5
October	28.587	29.040	28.150	54.5	69.0	65.0	72.9	51.5	62.2	92	35	47	47	46	76	49	55	.340	.348	.333	1.48	.72	3.7	3.8	4.0	3.8
November	28.669	29.210	28.200	40.0	49.5	47.0	53.8	36.0	44.9	69	25	36	37	37	86	64	71	.228	.231	.231	5.45	3.35	6.0	4.5	5.2	5.2
December	28.661	29.050	28.150	32.6	39.8	39.9	45.5	29.6	37.6	65	17	29	29	31	86	67	71	.163	.166	.179	1.58	1.03	4.4	4.5	3.0	4.4
Year	28.569	29.230	27.888	49.8	62.4	61.8	67.3	47.0	57.1	100	−4	43	43	44	79	53	56	.330	.327	.336	37.53	4.16	4.5	4.1	4.0	4.2

WILLISTON, N. DAK.

[ϕ=48° 09′ N.; λ=103° 35′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	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	28.066	28.780	27.480	10.5	18.1	17.7	23.6	5.6	14.6	46	−32	6	9	11	82	67	72	0.069	0.079	0.083	0.05	0.03	3.3	4.4	4.1	4.4
February	28.087	28.360	27.730	14.4	25.1	23.9	29.3	11.1	20.2	50	−8	11	15	16	85	65	70	.073	.090	.093	.22	.16	3.3	3.3	3.0	3.7
March	27.980	28.530	27.421	24.9	36.2	37.2	41.1	21.1	31.1	75	0	20	21	23	79	54	58	.108	.117	.129	.26	.12	5.2	4.6	4.1	5.0
April	27.941	28.500	27.460	29.1	42.6	43.5	46.9	25.9	36.4	76	6	21	21	22	71	44	46	.114	.115	.118	.53	.29	4.9	4.9	4.4	5.1
May	27.991	28.480	27.630	49.9	69.1	69.9	73.2	45.9	59.6	92	29	36	33	33	60	30	30	.219	.200	.204	.67	.33	3.3	3.3	3.2	3.3
June	27.870	28.188	27.530	52.6	64.6	65.5	68.6	48.2	58.4	80	36	46	44	44	80	51	50	.318	.295	.299	4.56	1.94	5.2	5.8	5.8	5.6
July	27.993	28.290	27.600	60.1	73.5	74.4	78.1	56.5	67.3	90	48	55	56	57	84	55	56	.435	.448	.468	6.07	1.60	4.1	3.4	3.1	3.7
August	27.990	28.260	27.600	54.4	72.3	72.8	76.8	51.5	64.2	102	35	49	50	50	82	47	48	.351	.372	.375	1.79	.46	3.0	3.8	3.8	3.7
September	28.021	28.370	27.490	42.0	63.4	62.4	68.4	39.0	53.7	93	17	36	36	36	79	39	40	.221	.228	.234	.31	.16	2.4	2.8	3.0	3.1
October	28.048	28.610	27.470	33.9	51.0	47.0	54.7	31.0	42.8	75	15	28	27	28	77	42	49	.151	.151	.154	.24	.15	4.0	3.5	5.9	4.5
November	28.055	28.680	27.420	24.6	38.8	36.1	43.9	20.8	32.4	59	7	20	24	23	81	68	57	.105	.123	.119	T.	T.	3.8	3.7	1.7	3.7
December	28.009	28.550	27.550	16.8	24.7	22.6	29.9	9.7	19.8	44	−21	12	17	17	81	71	78	.078	.099	.100	.56	.42	3.2	4.9	4.0	5.0
Year	28.004	28.780	27.420	34.4	48.3	47.8	52.9	30.5	41.7	102	−32	28	29	30	78	53	54	.187	.193	.196	15.26	1.94	3.8	4.0	3.8	4.2

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

WASHINGTON, D. C.

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

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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: Thunderstorms	Aurora
	Miles		*Mi.*																									
January	6.9	NW.	36	NW.	1	6	2	1	6	8	15	2	21	1	16	5	10	8	6	2	2	0	2	7	0	19	1	0
February	6.7	NW.	30	NW.	0	3	4	7	3	6	7	5	23	0	8	10	11	10	8	2	0	0	1	1	0	18	0	0
March	7.8	NW.	32	NW.	0	5	6	6	5	3	9	8	20	0	10	11	10	8	7	3	1	0	1	0	0	8	0	0
April	8.1	NW.	28	W.	0	8	6	6	3	6	12	3	16	0	11	7	12	9	8	1	0	0	0	0	0	2	0	0
May	4.9	S.	28	N.	0	8	11	4	0	13	6	4	16	0	9	13	9	15	12	0	0	2	1	0	2	0	7	0
June	5.0	S.	22	NW.	0	2	7	6	3	14	10	5	10	3	5	14	11	18	10	0	0	0	1	0	1	0	10	0
July	4.1	S.	28	NW.	0	3	0	3	2	11	22	3	16	2	13	10	8	10	7	0	0	0	0	0	10	0	9	1
August	3.5	S.	27	N.	0	6	2	4	2	10	19	6	8	5	7	11	13	12	11	0	0	0	0	0	10	0	10	0
September	4.6	NW.	24	SE.	0	9	8	2	1	8	7	7	7	11	8	8	14	11	8	0	0	0	0	0	0	0	1	0
October	4.6	S.	22	NW.	0	4	2	1	1	21	12	4	17	0	15	8	8	4	3	0	0	0	3	0	0	0	0	0
November	5.8	NW.	25	NW.	0	6	0	2	0	14	12	10	14	2	5	13	12	8	5	3	1	0	1	0	0	4	0	0
December	4.8	NW.	32	NW.	0	5	4	5	3	5	9	3	15	13	16	5	10	3	3	2	0	0	1	0	0	19	0	0
Year	5.6	NW.	36	NW.	1	65	52	47	29	119	140	60	183	37	123	115	128	116	88	13	4	2	11	8	23	70	38	1

WAUSAU, WIS.

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

January	------	W.	----	------	----	3	0	5	1	3	0	12	7	0	10	9	12	7	5	10	6	0	0	19	0	31	0	0
February	------	NW.	----	------	----	2	2	4	5	1	2	3	10	0	16	6	7	7	3	11	6	0	1	17	0	29	0	0
March	------	N.	----	------	----	10	0	1	4	1	4	4	7	0	15	7	9	7	4	9	5	0	1	9	0	26	0	0
April	------	NW.	----	------	----	4	2	3	5	1	0	4	11	0	10	5	15	14	11	10	7	0	0	4	0	22	2	0
May	------	NW.	----	------	----	8	1	2	6	4	0	1	9	0	14	0	11	7	7	0	0	0	0	0	0	1	3	0
June	------	NW.	----	------	----	3	4	2	4	4	1	2	10	0	7	7	16	13	10	0	0	0	0	0	0	0	3	0
July	------	N.	----	------	----	8	1	3	5	1	5	1	7	0	9	8	14	10	8	0	0	0	0	0	1	0	7	0
August	------	SE.	----	------	----	5	1	2	10	4	1	1	6	1	11	6	14	12	10	0	0	0	0	0	2	0	7	0
September	------	W.	----	------	----	3	0	4	3	6	2	7	3	2	13	6	11	11	8	4	0	0	2	0	0	2	6	0
October	5.5	S.	22	NW.	0	5	1	2	4	8	2	4	4	1	6	5	20	12	7	1	0	0	1	0	0	6	3	0
November	6.4	N.	28	SW.	0	6	2	1	2	4	2	8	5	0	5	2	23	6	5	8	2	0	1	5	0	24	0	0
December	5.7	W.	18	E.	0	3	0	1	4	8	3	9	3	0	6	8	17	8	5	14	6	0	3	18	0	27	0	0
Year	------	NW.	----	------	----	60	14	30	53	45	22	56	82	4	122	75	169	114	83	67	32	0	9	72	3	168	31	0

WICHITA, KANS.

[H_b=1,358 ft.; h_t=139 ft.; h_r=132 ft.; h_a=158 ft.]

January	10.3	S.	32	S.	0	13	10	1	3	17	11	2	5	0	19	7	5	3	1	2	1	1	2	4	0	19	1	0
February	10.9	S.	33	N.	1	9	9	1	3	16	3	5	12	0	14	7	8	8	7	7	4	1	2	3	0	19	2	0
March	11.4	S.	32	NE.	0	12	7	2	5	20	4	3	9	0	13	14	4	8	5	7	4	0	1	0	0	11	2	0
April	13.7	S.	39	SE.	8	10	13	4	6	18	2	4	3	0	12	11	7	9	8	1	1	2	0	0	0	5	5	0
May	10.7	SE.	35	S.	3	12	6	3	17	11	5	5	3	0	13	11	7	12	9	0	0	0	0	0	1	0	9	0
June	9.8	S.	44	N.E	5	10	10	9	7	17	3	1	3	0	6	16	8	18	16	0	0	3	0	0	0	0	15	0
July	10.1	S.	42	NW.	2	5	4	5	9	31	4	3	1	0	16	10	5	10	6	0	0	0	0	0	13	0	12	1
August	10.4	S.	36	SW.	2	3	13	5	7	30	1	1	0	2	15	12	4	6	5	0	0	0	0	0	20	0	8	0
September	11.8	S.	34	S.	4	5	8	5	7	28	2	0	5	0	21	8	1	4	4	0	0	0	0	0	8	0	5	0
October	11.8	S.	48	SW.	4	8	9	4	16	17	2	1	5	0	18	6	7	9	9	0	0	0	0	0	3	0	4	0
November	11.6	S.	40	S.	3	12	5	4	2	23	4	1	9	0	13	7	10	10	7	5	2	0	0	1	0	11	3	0
December	10.6	S.	38	NW.	1	16	5	0	1	25	3	5	7	0	14	8	9	5	4	3	2	0	1	1	0	21	0	0
Year	11.1	S.	48	SW.	33	115	99	43	83	253	44	31	62	2	174	117	75	102	81	25	14	7	6	9	45	86	66	1

WILLISTON, N. DAK.

[H_b=1,878 ft.; h_t=41 ft.; h_r=33 ft.; h_a=48 ft.]

January	6.7	SW.	33	NW.	1	4	3	1	2	6	22	19	4	1	13	10	8	2	0	9	2	0	1	21	0	29	0	1
February	7.9	W.	33	NW.	1	3	3	1	4	6	12	17	11	1	15	9	5	3	2	9	3	0	1	15	0	29	0	0
March	7.5	W.	26	NW.	0	8	2	14	6	5	7	15	5	0	11	12	8	3	3	12	2	0	0	7	0	27	0	0
April	8.1	N.	32	NW.	0	13	13	4	6	8	2	6	8	0	10	12	8	9	4	12	7	0	0	5	0	23	1	0
May	7.3	SE.	29	N.	0	3	9	10	11	8	4	11	6	0	18	9	4	6	4	0	0	0	0	0	2	2	2	0
June	5.7	SE.	24	N.	0	8	5	13	11	2	13	5	3	0	8	13	9	16	12	0	0	0	0	0	0	0	7	0
July	5.1	NE.	44	W.	1	8	14	9	12	4	5	6	4	0	16	12	3	15	13	0	0	3	1	0	1	0	12	0
August	5.4	N.	22	SE.	0	12	10	4	12	2	7	5	6	4	18	8	5	11	9	0	0	0	2	0	3	0	8	0
September	5.9	NW.	30	W.	0	13	7	6	6	4	7	6	10	1	18	8	4	4	3	0	0	0	3	0	2	7	1	0
October	6.6	N.	28	W.	0	8	11	4	6	10	5	11	6	1	12	12	6	4	3	3	2	0	1	1	0	17	0	1
November	5.6	SW.	28	NW.	0	6	6	2	5	10	15	8	6	2	16	9	5	0	0	3	0	0	2	3	0	29	0	5
December	6.6	W.	28	W.	0	8	3	2	5	8	9	22	5	0	12	8	11	5	3	8	5	0	0	17	0	31	0	0
Year	6.5	W.	44	W.	3	94	86	70	86	73	108	131	74	10	167	123	76	78	56	56	21	3	11	69	8	194	31	7

* By eye observations until October.

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

WILMINGTON, N. C.

[ϕ=34° 14′ N.; λ=77° 57′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	30.095	30.550	29.540	40.6	52.5	47.6	57.6	37.5	47.6	77	14	32	32	35	71	48	62	0.209	0.216	0.239	1.07	0.64	3.5	4.0	4.0	3.8
February	30.072	30.460	29.470	43.7	53.2	49.7	58.4	40.3	49.4	68	27	39	40	43	83	63	78	.255	.270	.297	6.14	1.89	4.8	5.9	4.6	5.5
March	29.912	30.343	29.330	49.9	59.0	54.8	62.7	45.4	54.0	78	32	44	47	48	82	67	78	.320	.351	.354	1.84	.44	5.5	5.8	4.3	5.6
April	29.950	30.420	29.340	57.9	66.0	59.9	69.1	51.3	60.2	81	38	49	50	53	73	60	78	.370	.382	.414	7.19	3.24	4.8	5.0	4.6	4.7
May	29.862	30.390	29.530	64.8	73.6	67.1	76.6	59.0	67.8	89	46	57	54	58	77	55	74	.477	.442	.496	3.18	2.03	4.7	5.3	5.1	5.0
June	29.895	30.090	29.710	75.5	83.0	78.1	85.5	69.1	77.3	98	56	68	66	68	78	67	78	.691	.641	.700	3.07	1.31	4.4	4.5	5.9	5.0
July	29.960	30.170	29.780	76.7	83.8	77.9	86.5	71.6	79.0	93	64	72	70	72	85	66	82	.777	.749	.786	9.57	2.24	4.8	6.5	5.5	5.5
August	29.983	30.160	29.630	78.2	85.3	79.0	87.3	72.6	80.0	92	65	74	74	74	87	70	86	.834	.836	.842	7.11	2.02	4.2	6.1	3.6	5.1
September	29.937	30.160	29.110	69.8	77.9	72.7	80.8	65.9	73.4	92	53	67	67	68	91	71	85	.674	.681	.688	13.41	4.74	5.4	6.5	4.2	6.2
October	30.083	30.390	29.670	62.9	73.5	66.6	75.4	58.9	67.2	89	45	58	58	60	83	59	80	.500	.500	.546	1.21	.52	3.4	3.7	3.0	3.7
November	30.075	30.481	29.670	50.0	61.8	55.9	64.4	46.3	55.4	80	27	44	48	49	82	63	77	.323	.366	.372	2.74	1.09	4.9	3.9	3.2	4.1
December	30.069	30.360	29.620	44.6	52.9	49.1	56.6	41.1	48.8	71	30	40	42	42	86	69	78	.265	.284	.281	3.58	.81	5.7	6.3	5.3	6.1
Year	29.991	30.550	29.110	59.6	68.5	63.0	71.7	54.9	63.3	98	14	54	54	56	82	62	78	.475	.476	.501	60.11	4.74	4.7	5.3	4.4	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	25.832	26.210	25.150	22.0	35.5	34.9	39.8	18.5	29.2	52	1	17	25	25	80	64	66	0.096	0.131	0.133	0.45	0.17	2.2	4.3	4.0	4.0
February	25.760	26.080	25.270	24.8	43.9	44.0	47.7	22.1	34.9	59	8	19	25	26	77	47	50	.100	.130	.141	.16	.07	2.6	3.2	4.1	3.2
March	25.619	25.870	25.210	34.0	52.3	52.9	56.1	30.5	43.3	74	17	27	30	32	76	47	49	.150	.170	.180	1.90	.79	4.7	4.8	5.8	5.0
April	25.593	25.920	25.210	33.9	54.3	56.8	59.4	30.4	44.9	78	17	28	30	29	77	42	37	.152	.169	.160	.54	.46	4.3	4.3	4.4	3.9
May	25.593	25.790	25.320	45.0	73.9	73.5	77.7	43.3	60.5	89	25	36	32	33	70	22	25	.210	.179	.191	.06	.04	3.2	3.2	4.4	3.3
June	25.527	25.750	25.190	48.5	74.6	74.5	78.7	46.3	62.5	97	34	36	30	31	62	21	23	.213	.169	.175	.43	*.49	2.5	2.7	3.4	2.3
July	25.601	25.820	25.370	57.6	85.6	87.2	90.5	54.5	72.5	102	44	35	36	35	46	19	18	.208	.218	.211	.29	.16	1.4	2.0	2.4	2.2
August	25.640	25.840	25.300	52.2	83.4	84.1	87.7	49.0	68.4	101	42	34	34	34	51	18	17	.194	.196	.193	.02	.02	1.1	1.5	1.7	1.7
September	25.637	25.880	25.320	43.0	77.2	76.1	81.1	39.5	60.3	95	26	31	35	34	62	23	23	.174	.206	.199	.10	.10	2.1	2.2	2.6	2.4
October	25.646	25.920	25.240	34.9	60.6	60.3	65.4	30.8	48.1	82	19	26	31	32	71	36	36	.143	.173	.180	.58	.23	2.5	3.4	3.5	3.3
November	25.726	26.130	25.210	27.4	47.4	44.7	50.7	23.9	37.3	64	9	22	30	31	77	51	58	.119	.163	.174	.64	.15	2.8	4.2	5.3	4.2
December	25.759	26.150	25.120	17.9	35.9	34.6	41.9	13.8	27.8	59	−3	13	20	21	79	52	56	.080	.108	.109	.35	.13	3.1	3.4	4.3	3.7
Year	25.661	26.210	25.120	36.8	60.4	60.3	64.7	33.6	49.1	102	−3	27	30	30	69	37	38	.153	.168	.170	5.52	.79	2.7	3.3	3.8	3.3

WYTHEVILLE, VA.

[ϕ=36° 56′ N.; λ=81° 05′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	27.675	28.100	27.010	28.4	36.7	34.2	41.8	25.7	33.8	65	−4	22	24	25	74	61	68	0.141	0.161	0.158	1.95	0.80	5.0	4.6	3.5	4.8
February	27.674	28.030	27.102	29.9	38.3	36.7	44.0	26.9	35.4	59	12	24	25	26	78	60	66	.135	.142	.149	0.89	.38	6.3	5.6	4.7	5.9
March	27.552	27.950	27.130	35.9	47.0	44.2	52.5	32.3	42.4	78	19	29	29	30	75	52	58	.168	.172	.178	2.15	.76	5.9	5.1	3.9	5.3
April	27.590	28.010	27.130	44.5	53.1	50.2	58.1	39.8	49.0	71	25	37	37	37	75	57	64	.222	.231	.235	3.35	1.17	6.5	6.8	6.0	6.5
May	27.599	28.030	27.230	54.0	65.0	60.5	69.2	47.5	58.4	87	34	45	43	45	73	49	61	.311	.293	.318	3.56	.74	4.7	5.2	5.4	5.0
June	27.598	27.790	27.420	62.2	70.3	65.9	74.2	56.8	65.5	84	42	58	58	59	86	66	78	.487	.480	.500	5.65	1.45	7.3	7.4	7.1	7.0
July	27.712	27.910	27.520	67.1	77.3	73.4	81.8	61.2	71.5	88	54	63	62	63	86	60	72	.576	.552	.588	2.83	1.66	4.4	6.0	5.7	5.5
August	27.737	27.920	27.420	67.8	77.1	70.8	80.8	63.0	71.9	87	56	65	65	66	91	67	84	.616	.612	.636	5.44	1.77	4.6	6.6	6.8	6.2
September	27.703	27.934	27.390	55.2	66.3	60.3	69.8	50.7	60.2	85	35	52	51	54	90	61	81	.407	.400	.439	5.06	1.59	4.7	5.5	5.2	5.5
October	27.795	28.023	27.440	49.8	62.9	56.1	66.0	45.2	55.6	82	24	46	48	50	87	60	78	.336	.359	.381	2.32	1.41	4.9	4.9	4.1	5.1
November	27.722	28.074	27.350	38.8	48.4	43.9	52.8	34.3	43.6	69	17	31	34	34	74	59	69	.190	.219	.217	.92	.35	7.1	6.0	5.1	6.4
December	27.718	28.000	27.180	29.8	41.6	37.1	46.5	26.2	36.4	60	15	24	28	27	80	58	66	.139	.160	.155	.76	.24	4.9	5.5	3.8	5.4
Year	27.673	28.100	27.010	47.0	57.0	52.8	61.5	42.5	52.0	88	−4	41	42	43	81	59	70	.312	.315	.330	34.88	1.77	5.5	5.8	5.2	5.7

YANKTON, S. DAK.

[ϕ=42° 54′ N.; λ=97° 28′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
January	28.779	29.380	28.050	19.1	29.2	----	33.6	15.4	24.5	58	−15	15	21	----	83	70	----	0.097	0.122	----	0.02	0.01	4.0	5.8	----	5.2
February	28.769	29.140	28.302	22.7	30.1	----	35.9	18.9	27.4	63	−2	19	22	----	83	72	----	.106	.126	----	2.47	1.66	4.3	5.0	----	5.0
March	28.661	29.120	28.028	31.1	43.0	----	49.5	28.8	39.2	86	18	26	30	----	81	63	----	.144	.174	----	1.43	.53	6.0	5.4	----	5.5
April	28.602	29.057	28.000	34.7	49.6	----	55.7	30.3	43.0	82	13	28	30	----	76	49	----	.158	.171	----	.22	.10	5.6	5.5	----	5.8
May	28.658	29.101	28.260	54.6	70.2	----	75.3	49.4	62.4	95	37	45	46	----	72	46	----	.313	.329	----	3.63	1.28	4.0	5.2	----	4.5
June	28.526	28.780	27.981	58.5	70.1	----	75.2	54.2	64.7	85	44	53	53	----	83	68	----	.410	.406	----	3.50	1.78	6.8	6.8	----	6.1
July	28.639	28.910	28.310	68.1	80.9	----	85.3	64.1	74.7	101	57	63	64	----	83	58	----	.575	.612	----	2.22	1.70	5.7	4.9	----	4.6
August	28.638	29.003	28.170	66.0	81.0	----	85.8	62.1	74.0	101	44	60	61	----	82	53	----	.531	.555	----	2.22	.75	5.2	3.2	----	4.1
September	28.681	29.060	28.100	52.0	69.3	----	74.5	49.4	62.0	91	30	46	47	----	80	47	----	.325	.344	----	1.42	.77	3.9	3.3	----	3.6
October	28.695	29.290	28.127	45.5	58.0	----	63.2	41.0	52.1	93	30	39	38	----	80	53	----	.254	.239	----	3.06	1.88	5.4	5.8	----	5.9
November	28.766	29.380	27.930	31.5	40.9	----	44.5	28.7	36.6	64	13	27	30	----	82	66	----	.150	.170	----	1.44	1.20	4.5	6.0	----	6.1
December	28.729	29.170	28.306	25.4	35.6	----	39.8	21.0	30.4	64	3	21	25	----	83	65	----	.119	.138	----	.10	.06	5.3	4.9	----	5.6
Year	28.679	29.380	27.930	42.4	54.8	----	59.9	38.6	49.2	101	−15	37	39	----	81	58	----	.265	.282	----	21.75	1.88	5.1	5.2	----	5.2

*June 30–July 1.

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

WILMINGTON, N. C.

[H_b=78 ft.; h_t=81 ft.; h_r=76 ft.; h_a=91 ft.]

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	T. or more	Snow: 0.01 inch or more melted	Hail	Dense fog	Maximum temp. 32° or below	90° or above	Minimum temperature 32° or below	Electricity: Thunderstorms	Aurora
	Miles		*Mi.*																									
January	5.9	W.	37	SW.	1	7	2	4	1	5	19	16	8	0	17	7	7	4	2	2	0	0	3	2	0	10	0	0
February	6.5	W.	28	W.	0	8	11	3	2	10	12	11	1	0	11	6	12	12	12	1	0	0	1	0	0	4	4	0
March	6.9	W.	26	SW.	0	6	7	5	3	2	19	15	5	0	9	10	12	14	8	0	0	0	0	0	0	0	4	0
April	8.2	SW.	29	S.	0	5	8	6	7	6	14	11	3	0	13	7	10	11	7	0	0	0	0	0	0	0	4	0
May	6.5	SW.	20	SW.	0	7	8	7	2	5	15	11	6	1	12	11	8	12	8	0	0	0	2	0	0	0	9	0
June	7.5	SW.	30	NW.	0	3	3	3	2	4	32	12	1	0	9	17	4	10	9	0	0	1	0	0	4	0	8	0
July	6.3	SW.	22	NE.	0	4	3	5	6	10	21	11	2	0	11	11	9	13	11	0	0	0	1	0	7	0	12	1
August	5.5	SW.	28	SW.	0	3	6	12	5	7	17	10	2	0	10	14	7	11	10	0	0	0	0	0	10	0	11	0
September	5.2	N.	24	SE.	0	15	13	7	3	5	9	5	2	1	9	8	13	13	12	0	0	0	3	0	2	0	8	0
October	5.3	NE.	17	E.	0	7	22	10	0	10	4	3	5	1	15	14	2	5	5	0	0	0	2	0	0	0	2	0
November	5.7	W.	23	SW.	0	9	7	4	0	6	10	15	9	0	15	9	6	7	4	0	0	0	1	0	0	2	0	0
December	6.2	N.	29	SW.	0	21	9	6	1	3	5	11	6	0	8	9	14	13	10	0	0	0	2	0	0	2	0	0
Year	6.3	SW.	37	SW.	1	95	99	72	32	73	177	131	50	3	139	123	104	125	98	3	0	1	15	2	23	18	62	1

WINNEMUCCA, NEV.

[H_b=4,344 ft.; h_t=18 ft.; h_r=6 ft.; h_a=56 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	5.4	SW.	22	W.	0	6	18	1	1	9	23	2	0	1	10	20	1	5	3	4	4	0	6	4	0	31	0	0
February	5.4	NE.	28	NW.	0	5	23	3	1	2	15	4	5	0	15	13	1	5	2	5	3	0	0	0	0	26	0	0
March	7.2	SW.	30	SW.	0	1	18	1	0	5	27	7	3	0	9	17	5	10	10	2	1	1	1	0	0	22	0	0
April	7.5	SW.	33	SW.	1	2	9	0	3	3	28	11	4	0	14	16	0	4	2	6	2	0	0	0	0	18	0	0
May	4.8	NE.	24	SE.	0	3	28	2	3	4	10	3	6	3	17	14	0	3	1	0	0	0	0	0	0	3	5	0
June	5.9	SW.	24	NW.	0	6	15	1	0	5	16	8	9	0	24	6	0	4	2	0	0	0	0	0	2	0	1	0
July	5.0	SW.	30	S.	0	2	18	0	1	6	24	6	5	0	26	5	0	2	2	0	0	0	0	0	18	0	2	1
August	5.1	SW.	25	NW.	0	1	19	0	0	6	24	8	4	0	27	3	1	1	0	0	0	0	0	0	13	0	0	0
September	5.5	SW.	29	SW.	0	3	16	0	0	6	21	9	4	1	21	9	0	1	1	0	0	0	0	0	5	4	0	0
October	5.7	NE.	26	NW.	0	5	26	0	0	4	13	8	5	1	16	12	3	4	3	4	2	0	0	0	0	18	0	0
November	5.3	NE.	29	NW.	0	7	16	2	0	7	20	1	5	2	10	15	5	8	4	5	1	0	1	1	0	26	0	0
December	5.4	NE.	35	NE.	1	8	24	1	0	6	14	6	3	0	14	15	2	8	4	8	6	0	0	3	0	30	0	0
Year	5.7	NE.	35	NE.	2	49	230	11	9	63	235	73	53	8	203	145	18	55	34	34	19	1	8	8	38	178	8	1

WYTHEVILLE, VA.

[H_b=2,304 ft.; h_t=49 ft.; h_r=40 ft.; h_a=55 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	8.7	W.	38	SW.	2	0	1	4	1	0	5	41	6	4	14	7	10	12	9	8	6	0	1	9	0	19	0	0
February	7.3	W.	26	NW.	0	3	3	8	0	0	0	33	11	0	9	5	15	10	6	5	4	0	2	1	0	25	0	0
March	7.3	W.	37	W.	1	0	3	7	1	3	2	24	22	0	9	13	9	12	11	7	2	0	1	2	0	18	2	0
April	7.5	W.	26	W.	0	1	2	10	5	4	3	26	9	0	5	13	12	16	12	6	5	0	0	0	0	8	0	0
May	5.2	W.	25	W.	0	3	2	8	0	1	9	21	16	2	11	9	11	15	12	0	0	0	0	0	0	0	5	0
June	5.2	W.	25	W.	0	0	2	7	2	4	6	28	9	2	1	16	13	19	17	0	0	0	1	0	0	0	11	0
July	3.6	W.	19	SW.	0	10	4	5	3	4	8	14	14	0	7	16	8	10	7	0	0	0	1	0	0	0	9	0
August	3.7	W.	18	NW.	0	3	1	5	10	5	9	14	10	5	5	16	10	18	14	0	0	0	6	0	0	0	12	0
September	3.9	W.	23	W.	0	3	2	14	6	1	4	15	13	2	7	12	11	11	9	0	0	0	5	0	0	0	3	0
October	3.9	W.	22	W.	0	4	4	7	6	3	4	16	10	8	12	9	10	8	7	0	0	0	4	0	0	3	1	0
November	7.0	W.	29	SW.	0	1	2	6	3	2	7	20	18	1	7	9	14	10	6	4	2	0	0	1	0	13	0	0
December	5.3	W.	25	W.	0	3	4	10	0	2	6	22	14	1	12	7	12	8	6	2	2	0	3	0	0	28	0	0
Year	5.7	W.	38	SW.	3	31	30	91	37	29	63	274	152	25	99	132	135	149	116	32	21	0	24	13	0	114	43	0

YANKTON, S. DAK.

[H_b=1,233 ft.; h_t=49 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	Thunderstorms	Aurora
January	6.9	NW.	31	NW.	0	1	2	1	0	1	7	11	7	1	10	13	8	2	0	7	0	0	0	13	0	25	0	0
February	7.8	NW.	25	NW.	0	4	1	3	0	2	1	9	8	1	10	13	6	7	4	9	7	0	3	8	0	28	0	0
March	6.6	NW.	22	NW.	0	2	3	3	2	1	5	5	9	1	8	14	9	6	4	7	2	0	0	1	0	23	0	0
April	9.0	NW.	29	NW.	0	2	3	4	3	2	1	3	10	2	9	9	12	5	2	3	1	0	0	1	0	19	0	0
May	6.4	N.	30	S.	0	4	2	4	2	3	1	3	7	5	13	13	5	11	7	0	0	0	0	0	2	0	5	0
June	6.2	NW.	30	W.	0	3	1	0	4	5	0	3	13	1	6	13	11	12	9	0	0	0	0	0	0	0	8	0
July	5.5	S.	18	SE.	0	5	1	2	4	6	3	4	5	1	10	18	3	4	4	0	0	0	0	0	3	0	5	0
August	6.4	S.	48	NW.	1	4	2	2	8	5	2	2	3	3	14	11	6	8	8	0	0	1	0	0	11	0	8	0
September	6.1	NW.	25	N.	0	1	2	3	0	5	3	10	4	2	14	13	3	8	7	0	0	0	1	0	3	1	7	0
October	6.9	NW.	30	S.	0	8	1	1	3	3	2	6	5	2	11	8	12	7	7	1	1	1	1	0	1	3	2	0
November	7.4	NW.	29	W.	0	6	1	0	2	1	4	8	8	0	7	10	13	3	3	1	1	0	1	4	0	21	0	0
December	6.9	NW.	27	NW.	0	2	1	1	0	5	6	8	7	1	10	10	11	4	1	9	2	0	3	8	0	27	0	0
Year	6.8	NW.	48	NW.	1	42	20	24	28	39	35	72	86	20	122	145	99	77	56	37	14	2	9	35	20	147	35	0

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

YELLOWSTONE PARK, WYO.

[ϕ=44° 38′ N.; λ=110° 42′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dewpoint: 8 a. m.	Moisture: Dewpoint: Noon, local time	Moisture: Dewpoint: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	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	23.948	24.350	23.240	19.7	27.1	24.6	29.8	14.7	22.2	42	−6	14	18	18	76	66	74	0.083	0.100	0.100	0.70	0.18	6.5	6.9	6.9	7.3
February	23.925	24.190	23.450	14.6	25.4	23.8	30.5	9.1	19.8	44	−14	10	14	14	81	60	64	.073	.083	.084	.37	.13	4.6	4.6	5.0	4.9
March	23.817	24.110	23.280	22.6	36.1	35.3	41.0	19.0	30.0	57	−5	17	22	22	79	57	58	.100	.120	.115	1.60	.48	5.6	5.7	6.0	5.9
April	23.765	24.150	23.400	26.4	39.6	39.2	43.7	22.9	33.3	66	−2	19	22	23	73	49	53	.104	.116	.123	1.51	.53	7.0	7.4	8.1	7.2
May	23.934	24.186	23.655	39.0	60.1	59.2	63.7	36.9	50.3	78	21	32	33	32	75	38	39	.183	.189	.188	.51	.15	5.0	6.6	7.0	6.2
June	23.816	24.060	23.480	40.6	56.2	55.8	60.7	38.4	49.6	73	31	35	35	35	80	46	50	.204	.206	.211	2.09	.69	6.5	7.4	8.4	7.4
July	23.988	24.270	23.760	48.8	70.3	69.1	74.7	46.5	60.6	86	40	43	42	42	80	39	42	.276	.272	.276	1.30	.65	4.4	5.0	6.2	5.1
August	23.979	24.190	23.750	43.6	67.4	66.8	71.8	41.3	56.6	89	30	34	36	36	72	36	37	.197	.215	.214	.96	.40	3.1	3.7	5.5	4.5
September	23.971	24.220	23.700	39.1	62.2	59.7	66.7	36.0	51.4	80	28	29	31	30	67	32	36	.160	.172	.169	.03	.03	4.0	4.1	4.8	5.0
October	23.920	24.150	23.470	34.5	46.0	42.5	50.4	30.1	40.2	67	15	27	29	28	75	54	60	.149	.162	.156	1.57	.40	5.7	6.9	5.6	7.0
November	23.946	24.310	23.390	24.8	35.2	31.0	37.9	20.3	29.1	53	0	19	22	22	79	60	67	.104	.119	.114	.59	.23	5.7	5.9	6.5	6.9
December	23.917	24.280	23.410	15.7	24.4	21.5	28.7	10.4	19.6	42	−1	11	14	13	80	65	70	.070	.081	.076	.84	.23	5.5	6.7	4.8	6.8
Year	23.910	24.350	23.240	30.8	45.8	44.0	50.0	27.1	38.6	89	−14	24	26	26	76	50	54	.142	.153	.152	12.97	.69	5.3	5.9	6.2	6.2

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: Dewpoint: 8 a. m.	Moisture: Dewpoint: Noon, local time	Moisture: Dewpoint: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	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	30.001	30.280	29.549	48.6	67.5	64.5	69.5	43.8	56.6	80	33	31	31	32	52	26	30	0.177	0.175	0.184	T.	T.	0.8	2.2	2.0	2.0
February	29.899	30.230	29.651	49.2	68.9	69.3	71.9	44.1	58.0	82	36	33	30	29	56	26	26	.196	.173	.173	0.22	0.17	1.9	2.3	2.2	2.3
March	29.809	30.040	29.540	54.7	78.4	79.4	81.9	51.4	66.6	95	45	39	34	32	58	22	20	.244	.205	.195	.11	.11	1.3	1.9	1.7	1.7
April	29.709	30.050	29.470	56.5	82.5	84.5	87.0	53.9	70.4	98	45	37	26	28	50	13	12	.227	.143	.146	0	0	.7	2.0	1.7	1.6
May	29.645	29.910	29.451	65.2	90.7	92.8	95.1	63.2	79.2	106	54	50	45	42	60	22	19	.337	.302	.277	T.	T.	.7	.8	1.1	1.0
June	29.531	29.700	29.287	70.5	97.0	100.5	102.4	68.2	85.3	114	61	53	47	42	56	20	14	.414	.334	.229	0	0	.2	0	.1	.1
July	29.601	29.800	29.429	77.2	101.4	103.8	106.7	75.4	91.0	116	63	61	54	56	59	23	23	.554	.455	.479	0	0	1.1	.7	.4	.6
August	29.636	29.830	29.474	78.9	99.4	101.8	104.6	76.8	90.7	114	68	67	62	60	68	31	27	.676	.573	.533	.04	.04	1.0	1.0	.8	.8
September	29.618	29.830	29.310	72.8	98.9	98.8	103.2	69.6	86.4	112	60	56	53	53	62	24	24	.484	.426	.430	T.	T.	.1	.2	.5	.3
October	29.718	29.970	29.270	60.9	85.5	82.0	88.8	57.5	73.2	102	44	48	45	48	65	26	31	.350	.367	.336	.06	.06	1.1	1.4	1.5	1.4
November	29.883	30.240	29.550	53.7	74.4	68.2	75.8	48.7	62.2	83	38	34	33	36	50	23	31	.212	.202	.219	.04	.04	1.2	2.0	2.1	1.9
December	29.959	30.280	29.594	48.1	65.5	61.0	66.9	43.9	55.4	75	35	28	30	30	49	28	31	.166	.174	.171	T.	T.	1.8	1.7	1.9	1.9
Year	29.751	30.280	29.270	61.3	83.3	83.9	87.8	58.0	72.9	116	33	45	41	40	57	24	24	.336	.289	.285	.47	.17	1.0	1.4	1.3	1.3

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: Dewpoint: 8 a. m.	Moisture: Dewpoint: Noon, local time	Moisture: Dewpoint: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	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	29.866	28.706	31.4	----	33.1	38.5	26.8	32.6	46	10	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
February	29.284	30.191	28.366	33.4	----	35.4	40.7	29.4	35.0	48	16	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
March	29.772	30.336	29.176	29.2	----	31.4	36.6	24.8	30.7	46	15	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
April	29.628	30.487	28.836	31.7	----	35.5	40.0	28.5	34.2	48	20	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
May	29.664	30.256	29.006	35.6	----	40.5	44.6	32.7	38.6	50	20	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
June	29.786	30.266	28.976	43.5	----	48.4	52.1	40.5	46.3	57	35	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
July	29.775	30.096	29.306	46.5	----	50.9	54.5	43.8	49.2	61	38	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
August	29.854	30.404	29.056	46.9	----	52.8	56.5	43.7	50.1	64	34	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
September	29.850	30.496	29.146	44.6	----	49.1	54.2	38.8	46.5	68	31	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
October	29.528	30.456	28.526	40.8	----	43.8	49.3	34.9	42.1	58	26	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
November	29.314	29.987	27.917	33.3	----	35.9	41.7	28.8	35.2	48	20	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
December	29.228	29.986	28.146	31.1	----	32.6	36.9	27.5	32.2	45	18	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Year	29.584	30.496	27.917	37.3	----	40.8	45.5	33.4	39.4	68	10	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

EAGLE, ALASKA

[ϕ=64° 46′ N.; λ=141° 12′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dewpoint: 8 a. m.	Moisture: Dewpoint: Noon, local time	Moisture: Dewpoint: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	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	28.917	29.570	28.147	0.1	----	2.2	8.8	−4.9	2.0	23	−26	----	----	----	----	----	----	----	----	----	0.19	.08	5.2	----	3.8	5.5
February	29.042	29.650	28.490	8.6	----	13.4	18.8	4.1	11.4	38	−21	----	----	----	----	----	----	----	----	----	.38	.19	5.8	----	5.4	6.0
March	29.000	29.654	28.500	−12.3	----	−2.9	8.9	−16.9	−4.0	30	−45	----	----	----	----	----	----	----	----	----	.52	.16	5.2	----	5.2	5.5
April	28.938	29.580	28.270	18.2	----	27.4	37.2	6.8	22.0	58	−34	----	----	----	----	----	----	----	----	----	1.05	.39	5.5	----	4.9	5.2
May	28.892	29.300	28.590	45.1	----	49.8	52.6	31.6	42.1	62	21	----	----	----	----	----	----	----	----	----	.99	.24	4.9	----	7.9	7.4
June	29.012	29.587	28.641	58.1	----	63.8	68.0	43.6	55.8	80	38	----	----	----	----	----	----	----	----	----	1.36	.41	4.8	----	5.8	6.0
July	28.956	29.314	28.580	59.4	----	65.6	70.7	45.2	58.0	78	33	----	----	----	----	----	----	----	----	----	2.10	.61	5.1	----	6.6	6.2
August	28.946	29.400	28.370	51.5	----	57.0	61.7	40.1	50.9	76	30	----	----	----	----	----	----	----	----	----	2.50	.49	7.0	----	7.8	7.2
September	28.910	29.309	28.410	36.5	----	40.5	44.9	30.9	37.9	61	13	----	----	----	----	----	----	----	----	----	.66	.17	7.4	----	7.0	7.4
October	28.920	29.597	28.110	20.8	----	23.9	29.1	17.2	23.2	42	−2	----	----	----	----	----	----	----	----	----	.57	.36	7.4	----	5.0	6.6
November	28.711	29.570	28.091	17.5	----	19.1	25.4	10.9	18.2	42	−29	----	----	----	----	----	----	----	----	----	.59	.30	6.9	----	5.7	7.2
December	28.744	29.590	27.930	6.8	----	6.6	13.4	−2.3	5.6	38	−39	----	----	----	----	----	----	----	----	----	.36	.13	6.7	----	4.4	6.0
Year	28.916	29.654	27.930	25.9	----	30.5	36.6	17.2	26.9	80	−45	----	----	----	----	----	----	----	----	----	11.34	.61	6.0	----	5.8	6.4

* No diurnal correction applied.
† At Eagle, hours 8 a. m. and 8 p. m., 135th meridian time.

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

YELLOWSTONE PARK, WYO.

[H_b=6241 ft.; h_1=11 ft.; h_r=4 ft.; h_a=48 ft.]

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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: Thunderstorms	Aurora
	Miles		*Mi.*																									
January	7.3	S.	28	S.	0	4	2	1	1	25	23	5	1	0	5	4	22	12	7	24	12	0	0	17	0	31	0	0
February	6.6	S.	26	SW.	0	5	1	2	2	15	16	7	10	0	9	12	8	9	6	15	9	0	0	16	0	28	0	0
March	7.3	SW.	29	SW.	0	4	0	2	2	9	26	11	8	0	9	7	15	13	8	16	12	0	0	5	0	29	0	0
April	7.7	SW.	30	SW.	0	6	2	0	3	10	25	7	6	1	2	12	16	15	9	19	13	0	0	3	0	25	0	0
May	6.9	SW.	28	SW.	0	13	2	0	0	14	19	4	10	0	5	16	10	10	4	1	1	1	0	0	0	6	9	0
June	6.4	N.	34	SW.	1	10	5	0	2	8	16	11	7	1	0	14	16	18	13	2	2	1	0	0	0	4	10	0
July	5.6	SW.	25	NW.	0	10	2	0	1	11	25	7	6	0	8	16	7	13	5	0	0	4	0	0	0	0	13	0
August	6.1	SW.	29	SW.	0	6	0	0	2	9	23	10	11	1	11	13	7	9	5	0	0	2	0	0	0	1	9	1
September	6.6	SW.	36	SW.	1	6	2	1	1	9	24	7	10	0	10	11	9	1	0	2	0	0	0	0	0	8	4	0
October	7.4	SW.	27	SW.	0	9	6	0	1	7	21	12	6	0	6	8	17	10	8	10	8	0	0	3	0	20	0	0
November	6.6	SW.	32	SW.	0	5	3	1	0	17	23	7	4	0	6	6	18	8	5	13	8	0	0	7	0	29	0	0
December	6.5	S.	32	SW.	0	7	3	1	4	12	26	8	0	1	5	10	16	12	6	17	12	0	0	23	0	31	0	0
Year	6.8	SW.	36	SW.	2	85	28	8	19	146	267	96	79	4	76	129	161	130	76	119	77	8	0	74	0	212	45	1

YUMA, ARIZ.

[H_b=141 ft.; h_1=9 ft.; h_r=3 ft.; h_a=54 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 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	Thunderstorms	Aurora
January	5.2	N.	23	N.	0	35	4	3	0	3	2	4	11	0	24	5	2	0	0	0	0	0	0	0	0	0	0	0
February	5.4	N.	30	NW.	0	21	8	3	6	4	2	5	8	1	22	5	2	3	2	0	0	0	0	0	0	0	0	0
March	4.8	W.	27	N.	0	9	8	3	3	2	9	21	7	0	24	6	1	1	1	0	0	0	0	0	3	0	0	0
April	5.6	W.	31	N.	0	8	4	2	3	4	14	14	9	2	25	5	0	0	0	0	0	0	0	0	9	0	0	0
May	4.6	S.	26	SE.	0	1	5	1	7	11	13	15	5	4	29	2	0	0	0	0	0	0	0	0	22	0	0	0
June	4.7	SW.	22	W.	0	0	1	1	8	15	19	14	1	1	30	0	0	0	0	0	0	0	0	0	29	0	0	0
July	4.7	SW.	22	SE.	0	4	3	3	13	7	20	8	1	3	30	1	0	0	0	0	0	0	0	0	31	0	1	1
August	4.6	SW.	28	S.	0	2	6	2	15	9	20	7	0	1	28	3	0	1	1	0	0	0	0	0	31	0	2	0
September	3.7	SW.	23	NE.	0	10	9	2	4	9	15	6	2	3	29	1	0	0	0	0	0	0	0	0	30	0	1	0
October	3.3	W.	21	W.	0	8	9	2	2	5	18	9	7	2	25	6	0	1	1	0	0	0	0	0	14	0	1	0
November	4.8	N.	22	W.	0	20	14	3	2	2	2	6	10	1	26	1	3	2	0	0	0	0	0	0	0	0	0	0
December	5.8	N.	22	N.	0	34	9	4	2	5	1	3	4	0	24	5	2	0	0	0	0	0	1	0	0	0	0	0
Year	4.8	N.	31	N.	0	152	80	29	65	76	135	112	65	18	316	40	10	8	5	0	0	0	1	0	169	0	5	1

DUTCH HARBOR, ALASKA

[H_b=13 ft.; h_1=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	Thunderstorms	Aurora
		*																										
January		SE.				10	2	7	16	4	3	1	6	12										4	0	27		
February		SE.				8	2	10	16	5	3	1	4	9										1	0	21		
March		NW.				13	5	1	12	2	1	2	17	7										6	0	30		
April		NW.				7	2	1	9	2	7	6	13	13										6	0	24		
May		NW.				7	3	3	11	0	3	4	21	10						5				0	0	14		
June		SE.				1	5	4	25	6	2	0	1	14										0	0	0		
July		SE.				2	7	1	16	3	5	2	2	21										0	0	0		
August		SE.				5	6	2	12	3	0	3	6	25									4	0	0	0		
September		SE.				3	7	0	21	3	2	1	8	15										0	0	2		
October		NW.				1	2	0	13	0	7	4	17	18									2	0	0	7		
November		NW.				0	4	1	12	0	5	1	20	17										0	0	26		
December		NW.				0	5	1	11	0	3	0	16	26										6	0	28		
Year		SE.				57	50	31	174	28	41	25	131	187										23	0	179		

EAGLE, ALASKA

[H_b=815 ft.; h_1=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	Thunderstorms	Aurora
		*				†	†	†	†	†	†	†	†	†														
January		E.				2	5	27	8	0	0	8	4	8	12	3	16	6	2	7	6	0	0	31	0	31		14
February		SE.				6	5	15	16	2	0	2	6	6	10	1	18	5	3	9	5	0	0	28	0	29		16
March		NW.				13	4	1	1	6	0	12	19	6	11	6	14	9	6	10	9	0	0	31	0	31	0	11
April		N.				13	3	11	5	7	1	5	10	5	13	4	13	8	8	8	5	0	0	11	0	27	0	12
May		N.				16	7	14	8	8	2	1	3	3	1	11	19	9	8	0	0	2	0	0	0	20	1	0
June		N.				12	2	10	9	6	2	10	8	1	9	8	13	15	8	0	0	0	0	0	0	0	0	0
July		W.				9	7	11	9	4	3	14	5	0	8	7	16	13	11	0	0	2	0	0	0	0	0	0
August		E.				9	3	15	7	4	0	14	7	3	6	5	20	15	14	0	0	2	0	0	0	6	3	7
September		W.				11	2	7	5	1	2	20	9	3	6	5	19	7	5	3	2	0	0	0	0	20	0	20
October		NW.				6	5	6	10	0	1	6	24	4	9	3	19	7	3	10	7	0	0	23	0	31		13
November		E.				3	12	15	4	1	0	13	6	6	3	7	20	6	4	11	6	0		23	0	29		18
December		E.				5	10	12	10	1	0	9	11	4	10	6	15	7	4	8	7	0	0	27	0	31		9
Year		E.				105	65	144	92	40	11	114	112	49	98	66	202	107	76	66	47	6		174	0	255		121

* By eye observations at this station.
† For hours of observation, see footnote on preceding page.

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

KODIAK, ALASKA

[ϕ=57° 47′ N.; λ=152° 22′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	* In.	In.	In.	† °	°	† °	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.	†		†	
January	29.474	30.160	28.500	34.5		35.0	38.8	28.4	33.6	44	16												6.7		7.9	
February	29.602	30.450	28.880	34.9		36.8	39.6	30.5	35.0	45	19												8.1		8.1	
March	29.510	30.315	28.771	27.9		31.4	35.0	24.4	29.7	48	8															
April	29.562	30.230	28.950	34.5		41.2	43.7	30.4	37.0	51	23															
May	29.606	30.230	29.077	40.7		44.6	48.5	37.7	43.1	63	32												8.0		7.2	
June	29.898	30.347	29.500	45.5		53.3	57.4	42.8	50.1	68	38												6.3		6.1	
July	29.802	30.180	29.220	49.0		53.0	57.5	46.1	51.8	66	42															
August	29.731	30.220	29.010	49.3		55.9	61.2	45.6	53.4	72	36															
September	29.630	30.140	28.720	44.8		51.6	57.2	41.9	49.6	64	36										2.31	1.06				
October	29.494	30.280	28.170	41.5		45.3	49.5	37.3	43.4	56	29										4.83	1.22				
November	29.309	30.110	27.980	35.6		38.1	41.1	31.1	36.1	48	22										5.47	1.05				
December	29.251	30.310	28.356	33.1		34.6	38.5	28.1	33.3	46	4										10.18	2.36				
Year	29.572	30.450	27.980				47.3	35.4	41.3	72	4															

NOME, ALASKA

[ϕ=64° 30′ N.; λ=165° 24′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	*			†		†																	†		†	
January	29.551	30.220	28.840	8.0		10.3	16.2	-0.1	8.0	34	-30										1.68	0.48				
February	29.667	30.480	29.020	11.4		12.0	18.1	3.3	10.7	38	-24										.99	.27				
March	29.974	30.620	29.490	-2.3		4.1	8.4	-7.9	0.2	35	-32										.04	.02				
April	29.774	30.230	29.160	19.5		25.1	28.7	13.4	21.0	41	-2										T.	T.	4.2		3.5	
May	29.760	30.240	29.230	35.4		38.2	42.2	26.6	34.4	55	9										T.	T.				
June	29.827	30.510	29.270	48.0		49.5	54.0	39.4	46.7	79	31										1.47	.47	5.8			
July	29.750	30.044	29.330	49.5		50.9	55.6	42.3	49.0	74	31										2.77	.60				
August	29.741	30.220	29.330	46.6		51.4	53.8	41.5	47.6	63	30										3.82	.72				
September	29.702	30.200	28.880	37.9		43.2	45.4	32.2	38.8	52	22										3.14	1.05	7.7		6.9	
October	29.655	30.280	29.160	27.6		30.7	34.9	22.8	28.8	42	0										.62	.39	6.3		6.2	
November	29.476	30.360	28.500	15.9		15.6	23.8	7.3	15.6	50	-26										.21	.08	5.2		5.2	
December	29.494	30.160	28.950	7.0		6.0	14.8	-1.3	6.8	35	-30										.19	.05	4.2		3.1	
Year	29.698	30.620	28.500	25.4			33.0	18.3	25.6	79	-32										14.93	1.05				

TANANA, ALASKA

[ϕ=65° 10′ N.; λ=152° 06′ W.]

Month	Pressure: Monthly mean	Pressure: Extremes: Maximum	Pressure: Extremes: Minimum	Temperature: Mean: 8 a. m.	Temperature: Mean: Noon, local time	Temperature: Mean: 8 p. m.	Temperature: Mean: Maximum	Temperature: Mean: Minimum	Temperature: Mean: Monthly	Temperature: Extremes: Maximum	Temperature: Extremes: Minimum	Moisture: Dew point: 8 a. m.	Moisture: Dew point: Noon, local time	Moisture: Dew point: 8 p. m.	Moisture: Relative humidity: 8 a. m.	Moisture: Relative humidity: Noon, local time	Moisture: Relative humidity: 8 p. m.	Moisture: Vapor pressure: 8 a. m.	Moisture: Vapor pressure: Noon, local time	Moisture: Vapor pressure: 8 p. m.	Moisture: Precipitation: Total	Moisture: Precipitation: Maximum in 24 hours	Moisture: Cloudiness: 8 a. m.	Moisture: Cloudiness: Noon, local time	Moisture: Cloudiness: 8 p. m.	Moisture: Cloudiness: Daylight
	*			†		†																	†		†	
January	29.506	30.090	28.710	-2.0		1.1	6.2	-6.9	-0.4	16	-40										0.59	0.22	3.8		5.0	4.6
February	29.645	30.310	29.161	3.2		9.2	14.1	-0.5	6.8	38	-43										.67	.19	5.3		5.6	5.0
March	29.706	30.350	29.275	-12.3		-0.2	8.6	-15.0	-3.2	36	-41										.59	.24	3.8		3.9	3.7
April	29.627	30.400	29.020	20.1		30.2	36.1	14.0	25.0	54	-16										.17	.09	3.0		3.7	3.1
May	29.592	30.020	29.220	43.5		52.0	58.7	33.2	46.0	73	21										.40	.11	4.2		5.3	4.9
June	29.714	30.260	29.290	53.5		60.6	66.3	42.0	54.2	83	35										2.21	.55	6.4		5.9	5.8
July	29.637	29.990	29.190	56.1		63.5	70.3	45.7	58.0	83	36										2.81	.57	6.1		6.4	5.9
August	29.605	30.005	29.060	49.9		56.6	63.3	42.8	53.0	82	30										2.23	.46	7.7		7.4	6.8
September	29.552	29.920	29.070	36.1		42.2	48.4	33.1	40.8	59	17										3.17	1.07	7.5		8.1	7.3
October	29.546	30.150	28.730	17.7		22.2	27.9	14.2	21.0	36	-4										.36	.20	5.5		4.1	4.5
November	29.323	30.187	28.560	9.7		9.8	16.1	3.1	9.6	38	-32										.36	.14	5.9		4.5	5.2
December	29.336	30.140	28.620	1.5		1.2	7.6	-6.3	0.6	26	-45										.40	.10	5.2		4.4	5.1
Year	29.566	30.400	28.560	23.1		29.0	35.3	16.6	26.0	83	-45										13.96	1.07	5.4		5.4	5.2

* No diurnal correction applied.

† At Kodiak, hours 3 a. m. and 3 p. m., one hundred and fiftieth meridian time, till end of July; then 2 a. m. and 2 p. m. At Nome 6 a. m. and 6 p. m., one hundred and sixty-fifth meridian time till end of July; then 6 a. m. and 5 p. m. At Tanana 7 a. m. and 6.30 p. m., one hundred and fiftieth meridian time.

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

KODIAK, ALASKA

[H_b= 15 ft.; h_t= 6 ft.; h_r= 3 ft.; h_a= — ft.]

Month	Wind: By self-register: Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 38 miles and over	Number of winds, a. m. and 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		SE.				4	3	5	7	2	3	6	6	26										1	0	21		
February		E.				1	2	9	5	2	3	1	6	29										1	0	16		
March		NW.				5	3	2	3	1	1	7	29	11										11	0	28		
April		NW.				5	5	2	0	1	4	2	10	31										0	0	19		
May		NE.				4	14	4	4	4	1	0	10	21										0	0	3		
June																				0	0			0	0	0		
July																				0	0			0	0	0		
August		SE.				6	3	9	10	2	4	2	5	21				14	12	0	0			0	0	0		
September		SW.				3	2	5	5	6	13	4	5	17				12	8					0	0	0		
October		SW.				6	3	5	5	4	10	7	8	14				15	13					0	0	8		
November		W				5	4	4	6	7	5	10	7	12				19	18	4	0			2	0	18		
December		N.				11	2	1	9	2	5	6	6	20				23	21					3	0	22		
Year																								18	0	135		

NOME, ALASKA

[H_b= 22 ft.; h_t= 5 ft.; h_r= 6 ft.; h_a= 49 ft.]

Month	Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 38 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and 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.	35	NE.		18	13	21	2	2	1	2	1	2	7	10	14	16	11	19	16			29	0	31		2
February		N	30	E.		24	6	19	1	5	0	3	0	0	8	12	9	8	7	13	8			23	0	29	0	
March		N.	33			33	7	9	0	0	0	6	2	5	21	7	3	2	0					29	0	31	0	
April		N.	35	NE.		29	6	10	0	2	3	2	6	2	11	13	6	0	0	8	0	0		20	0	30	0	
May		W.				14	4	12	0	3	3	23	2	1	14	13	4	0	0	2	0	0		3	0	25	0	0
June		E.	26		0	4	5	16	6	15	4	10	0	0	9	7	14	14	8	0	0	0		0	0	2	0	0
July		SE.	30	SE.		3	0	15	19	14	9	1	0	0	2	11	18	18	17	0	0			0	0	2		
August		E.	52	SE.		4	3	13	7	11	8	12	2	2	1	10	20	21	16	0	0	0	0	0	0	2	0	0
September		N.	32	N.		16	8	5	10	1	3	10	7	0	3	10	17	15	10	1	1	0		0	0	17	0	1
October	10.9	N.	40		5	22	11	5	12	5	0	1	6	0	7	9	15	5	3	6	1	0		8	0	27	0	1
November	10.1	N.	34	E.	1	28	20	6	2	1	0	0	2	1	10	6	14	6	3	12	6			23	0	28	0	0
December	10.4	N.	36		5	28	25	5	2	0	0	1	1	0	17	7	7	6	3	11	5	0	0	28	0	31	0	0
Year		N.				223	108	136	61	59	31	71	29	13	110	115	141	111	78					163	0	255		

TANANA, ALASKA

[H_b= 228 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 38 miles and over	North	Northeast	East	Southeast	South	Southwest	West	Northwest	Calm	Clear	Partly cloudy	Cloudy	0.01 inch and over	0.04 inch and 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.				3	11	24	1	0	2	7	6	8	14	10	7	10	4	11	10	0	0	31	0	31	0	11
February		E.				0	8	34	3	0	1	6	4	2	11	9	9	6	5	7	5	0	0	26	0	29	0	10
March		E.				10	7	19	13	1	0	2	10	0	17	9	5	9	4	10	8	0	0	29	0	31	0	16
April		E.				3	3	22	14	0	1	2	13	2	18	10	2	3	2	3	3	1	1	12	0	29	0	8
May		E.				12	1	23	14	3	1	2	6	0	10	15	6	10	4	2	1	0	0	0	0	12	1	0
June		NW.				1	0	6	16	4	6	7	20	0	5	16	9	20	12	0	0	1	0	0	0	0	2	0
July		SE.				4	1	14	14	3	7	11	8	0	4	19	8	20	14	0	0	0	0	0	0	0	3	0
August		SE				4	1	12	12	6	12	7	8	0	2	14	15	22	15	0	0	0	0	0	0	3	1	2
September		SE.				6	1	15	20	1	5	3	7	2	2	13	15	19	16	3	1	0	0	0	0	14	0	2
October		SE.				10	5	10	31	0	0	1	3	2	11	15	5	5	3	7	5	0	0	27	0	31	0	6
November		SE.				0	10	1	19	0	0	2	8	20	8	14	8	12	3	14	12	0	0	25	0	30	0	8
December		NE.				3	23	6	8	0	1	2	4	15	10	15	6	11	4	12	11	0	0	31	0	31	0	3
Year		E.				56	71	186	165	18	36	52	97	51	112	159	95	147	86	69	56	2	1	181	0	241	7	66

* By eye observations at this station.
† For hours of observation see foot note on preceding page.

Blank page retained for pagination

PART IV

MONTHLY AND ANNUAL PRECIPITATION, 1928 (ALL STATIONS)—MONTHLY AND SEASONAL SNOWFALL, SEASON 1928–29 (SELECTED STATIONS)—MONTHLY AND ANNUAL EVAPORATION, 1928

The precipitation values given in the following tables have been taken largely from the records of unpaid cooperating observers. Most of these observers have standard rain gauges, the remainder having gauges similar in pattern to the standard.

Occasionally the record for a station may be incomplete from various causes, either for a single storm or for a longer period. Where conditions were favorable, the missing data have been supplied by interpolation from the records of near-by stations. The monthly amounts in such cases are inclosed in brackets to show that the whole 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 until 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 1928–29 are given for selected stations in the United States, Newfoundland, and Canada.

The monthly and annual amounts of evaporation during the year 1928 follow the snowfall, this being the ninth year that this series of reports has included them. The number of these reports at the present time is small, records appearing from only about half of the States.

The evaporation measurements are all made from cylindrical pans, 4 feet in diameter, 10 inches deep, placed on framework laid on the ground, and exposed as far as possible to full sunshine. A description of equipment and methods of observation appears in the Monthly Weather Review of December, 1916, pages 674 to 677.

Monthly and annual precipitation (in inches and hundredths) for 1928

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Alabama													
Alaga	0.25	6.50	9.71	12.22	0.28	3.14	3.09	6.74	6.43	2.26	0.65	2.22	53.49
Albertville							5.09	4.14	3.06	2.13	2.78	1.33	
Anniston	2.48	2.49	6.75	8.17	3.01	8.70	3.82	3.82	0.83	3.93	2.79	1.31	48.10
Auburn	1.80	3.51	4.50	9.35	4.81	8.38	6.39	4.99	5.76	1.59	1.61	2.25	54.94
Bay Minette	3.03	7.95	7.50	10.75					4.44	5.20			
Benton	1.47	3.82	7.60	11.02	3.55	13.33	8.49	4.17	1.51	2.44	2.27	1.30	60.97
Birmingham	1.91	1.77	7.71	9.50	3.84	8.84	2.16	5.46	1.82	5.02	2.20	0.91	51.14
Brewton	1.11	8.01	7.30	14.09	3.51	7.79	5.35	6.08					
Bridgeport	2.74	2.40	5.29	6.43	5.12	11.19	3.97	2.81	2.00	5.72	4.23	1.74	53.64
Calera	1.18	3.42	7.54	10.34	4.54	13.54	1.81	4.78	1.38	3.53	2.50	0.66	55.22
Camp Hill	0.85	4.10		10.55		7.83	3.90	5.19	4.93	2.92	1.24	1.73	
Centerville	1.10	2.78	5.08	10.39	4.36	11.82	10.05	4.44	2.74	3.79	2.33	1.30	60.18
Citronelle	1.61	5.27	5.36	10.11	5.11	17.89	7.53	6.41	3.81	5.66	1.83	5.00	76.48
Clanton	1.59	3.10	5.91	10.78	2.19	11.87	2.66	2.52	1.43	2.63	3.34	1.63	49.65
Clayton											0.75	2.57	
Coffee Springs	1.35	8.04	6.80	16.86	3.18	7.80	3.41	6.12	7.13	3.00	0.65	3.99	68.33
Dadeville	0.96	4.26	5.70	10.08	3.39	11.28	5.63	2.20	3.09	3.54	1.24	1.54	53.51
Dancy	2.06	2.24	5.94	10.91	4.01	9.52	4.85	3.57	0.18	1.96	3.59	1.18	49.81
Decatur	2.70	2.30	4.80	10.91	4.14	8.75	5.53	4.91	1.93	8.25	4.63	1.28	60.13
Demopolis	0.97	2.26	5.79	8.14	4.89	10.71	3.96	0.92	2.70	4.46	1.58	1.20	47.58
Dothan	3.08	5.76	8.05			6.22	2.45	3.70	7.76	1.70	1.05	3.09	
Elba											0.30	0.96	
Eufaula	0.59	4.23	5.31	11.31	1.50	8.81	6.45	4.61	4.34	1.83	0.61	3.01	52.80
Evergreen	2.10	3.27	5.17	12.22	2.43	12.75	6.56	2.12	4.83	7.59	1.27	3.32	63.63
Fayette	2.00	3.52	8.66	11.73	5.96	11.62	4.75	4.68	0.97	3.77	4.15	1.10	62.91
Florence	2.44	1.65	7.22	6.39	4.82	9.34	2.78	9.01	1.86	1.36	3.52	1.72	52.11
Gadsden	1.55	2.47	8.54	8.28	3.71	7.36	4.41	4.11	1.53	2.80	2.19	1.34	48.29
Geneva											0.30	2.71	
Goodwater	1.70	2.33	8.11	10.23	3.89	12.72	7.98	7.73	1.57	3.65	2.19	1.70	63.80
Greensboro	1.06	1.54	4.67	10.73	2.89	11.01	7.74	2.25	1.56	3.94	1.66	1.32	50.37
Greenville	1.36	2.88	5.28	7.70	3.02	11.63	7.25	4.79	2.15	3.60	2.14	3.37	55.17
Guntersville	1.77	2.63	5.50	8.13	5.10	8.76	2.54	5.81	3.37	2.85	3.44	1.79	51.69
Helena	1.87	2.29	6.48	11.75	4.20	10.34	3.56	3.65	1.60	3.92	1.95	1.51	53.12
Highland Home	1.00	3.70	5.35	10.16	2.07	9.91	5.28	2.60	1.81	3.07	1.95	2.80	49.70
Leeds	1.32	2.50	8.73	9.28	3.40	7.61	3.76	5.25	1.74	2.72	1.65	1.49	49.45
Lock No. 4	1.95	3.52	7.49	8.24	3.00	10.00	3.82	7.05	1.13	4.01	3.45	1.16	54.82
Madison	2.96	2.80	6.35	10.42	2.77	10.86	5.03	4.29	2.88	7.46	4.84	1.25	61.91
Maple Grove	3.34	2.53	6.25	5.98	4.58	10.38	3.18	2.74	3.04	2.43	4.23	1.49	50.08
Marion	0.35	3.33	3.48	10.70	2.05	10.37	2.52	3.52	0.30	3.12	1.81	1.30	42.85
Martin Dam	0.66			10.09	2.60	10.43	5.21	3.24	1.91	3.18	0.96	1.51	
Mentone	2.08	3.57	6.74										
Millry	1.34	2.83	6.32	10.58	5.67	16.91	7.38	2.86	1.93	3.76	1.33	4.18	65.00
Milltown	1.00	4.05	8.20	12.30	4.35	6.45	6.90	4.30	1.50	3.50	1.50	1.50	55.55
Milstead	0.85	3.67	5.88	10.76	3.48	8.39	6.40	3.34	3.50	2.57	1.15	2.14	52.13
Mobile	0.91	8.52	5.47	6.86	3.57	7.13	3.33	5.74	4.05	3.46	1.61	5.82	57.07
Montgomery	1.08	3.18	5.22	9.58	2.60	15.59	3.69	3.40	2.61	2.61	1.07	1.96	52.59
McKenzie	2.00	4.20	6.38	11.91	3.49	14.90	4.65	4.70	2.58	2.90	3.25	2.55	63.51
Newton											0.70	3.35	
Oneonta	2.02	2.25	8.12	7.32	3.45	8.27	8.34	5.65	2.30	2.59	3.30	1.43	55.04
Ozark	0.86	7.25	5.90	13.01	2.43	11.28	4.65	7.08	8.85	2.05	0.63	3.09	67.08
Prattville	1.12	2.78	3.95	8.63	1.59	13.19	6.03	3.55	1.29	2.31	1.84	1.41	47.69
Primrose Farm	1.09	3.61	5.78	9.04	2.69	12.08	3.21	4.41	3.67	1.82	1.21	1.98	50.39
Pushmataha	1.07	2.64	2.92	10.78	1.89	13.10	2.38	3.57	2.23	6.57	3.88	2.80	53.83
River Falls											0.87	2.71	
Riverton	3.13	1.88	4.81	4.97	6.32	8.71	2.28	3.88	0.78	2.37	2.05	1.32	42.50
Robertsdale	1.02	8.98	4.22	10.15	4.07	5.39	8.83	5.95	4.68	2.63	1.42	5.03	62.37
St. Bernard	1.66	2.40	7.53	9.75	3.98	9.72	5.27	9.20	1.59	3.71	5.11	1.28	61.20
Scottsboro	2.76	2.12	6.86	8.81	4.39	12.95	4.42	4.77	1.75	4.45	4.30	1.75	59.33
Seale	1.14	3.55	4.49	8.21	1.97	8.24	10.84	6.29	4.31	0.83	1.20	2.71	53.78
Selma	1.09	2.69	3.42	9.76	3.25	10.12	6.98	3.03	0.74	2.64	1.79	1.66	47.17
Seven Hills	1.54	9.27	4.68	7.28	4.53	6.45	4.57	5.58	4.71	3.70	2.90	7.03	62.24
Silverhill	0.85	8.71	4.33	8.15	3.51	6.41	5.44	6.03	4.59	6.60	1.37	4.32	60.31
Spring Hill	0.50	7.45	7.58										
Talladega	2.68	2.40	8.72	8.95	6.08	10.77	3.48	4.94	1.81	2.93	3.35	1.35	57.46
Tallassee	1.96	3.26	3.93	9.28	2.86	9.09	5.49	2.25	2.79	2.40	1.24	1.92	46.47
Thomasville	1.60	2.25	7.13	12.02	4.11	17.72	4.41	2.71	1.05	2.10		1.90	
Troy (No. 1)	1.31	4.10	6.93	13.96	3.22	11.46	8.59	4.90	7.79	2.12	1.80		
Troy (No. 2)											1.17	2.84	
Tuscaloosa	1.83	2.88	6.89	9.74	3.96	10.52	8.39	3.02	3.79	1.90	4.25	1.85	50.02
Tuscumbia	2.24	1.39	5.80	7.12	5.22	9.31	1.34	4.96	2.20	1.61	3.45	1.48	40.12
Tuskegee	0.86	3.45	5.96	8.86	4.54	7.14	2.94	5.96	4.10	1.08	0.90	0.52	46.31
Union Springs	0.66	4.48	8.86	9.88	4.79	7.82	5.20	5.19	3.90	1.86	1.10	1.85	55.59
Valley Head	2.14	1.95	7.42	7.50	2.98	7.10	4.96	4.60	1.60	3.49	3.27	1.00	48.01
Wetumpka	1.00	4.40	3.61	11.17	4.00	11.71	8.96	3.61	2.76	5.50	1.80	2.25	60.77
Winfield	1.00	2.60	7.68										
Alaska													
Allakaket	0.88	0.97	0.05	0.08	0.75	1.19			1.39	0.19	1.72	1.15	
Anchorage	0.60	1.96	1.07	0.43	0.13	0.89	2.28	3.12	2.54	1.34	1.55		
Annex Creek	11.93	6.97	10.02	5.87	9.55	0.70	7.98	8.69	13.80	13.26	10.21	9.79	108.77
Barrow	T.	0.08	0.00	0.08	T.	T.	0.66	0.39	0.17	0.34	0.65	0.27	2.64
Bethel	0.44	0.56	0.17	0.09	0.57	2.47	5.79	4.18	6.28	1.17	0.60	0.62	22.94
Bonanza Mine	0.61	1.19		1.01	0.26	0.38		2.25					
Calder	17.07	6.11	11.50	6.25	9.11	1.23	4.98	5.43	10.36	14.14	13.77	14.41	114.36
Chernofski Harbor			2.28	3.01	3.72	2.27	2.97	2.60	3.61	7.46	5.74	6.02	
Chickaloon	0.98	2.25	0.85	0.60		0.69	1.23	1.55	2.02	0.77	1.77	1.63	
Chignik	14.97	22.99	4.78	7.99	10.09	16.24	3.90	9.96	9.19	18.71	22.75	18.81	160.38

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
***Alaska*—Continued**													
Cordova	10.40	25.52	8.35	5.61	9.96	5.54	10.59	12.72	28.91	26.14	30.14	27.21	201.09
Crooked Creek					1.00	2.00	2.23	3.15	0.92				
Dillingham	2.85	0.98	0.16	1.23	1.70	2.28	5.90	5.59	4.78	2.10	0.94	1.27	29.78
Eagle	0.19	0.38	0.59	1.05	0.99	1.36	2.10	2.50	0.66	0.57	0.59	0.36	11.34
Fairbanks (near)	0.60	0.70	0.61	0.17	0.78	1.43	0.54	1.25	0.97	0.28	0.55	0.39	8.27
False Pass	5.22	9.65	2.05										
Fort Yukon	0.12	0.29	0.28	0.22	0.22	2.24	0.50	1.19	1.08	0.07	0.52	0.31	7.04
Goodnews Bay								5.19	5.96	4.14	0.95	1.53	
Haines	8.40	3.49	5.92	2.56	3.29	0.91	0.98	2.33	4.97	5.83	10.32	8.19	57.19
Holy Cross	1.27	0.38	0.12	0.16	0.91	3.87	8.96	5.06	4.91	1.42	1.47	2.14	30.67
Hydaburg	12.22	4.03	4.68	4.41	6.10								
Igloo	1.08	0.87	0.05	0.21	0.21							1.06	
Juneau	10.31	4.81	8.77	3.52	7.82	0.70	4.29	7.25	10.39	6.38	11.97	10.03	86.24
Kalsin Bay	13.46	5.32	6.74	4.66	8.25	0.93	4.61	6.10	8.44	11.43	9.02	10.41	89.37
Kennecott								16.37	7.29	10.29	11.72	15.10	
Ketchikan	0.78	1.59	0.88	0.36	0.76	1.15	2.39	1.30	4.14	1.05	4.04	0.59	19.03
Kiukpalik Island	18.33	13.88	23.87	7.54	12.28	2.34	9.14	7.08	10.90	16.10	13.79	17.08	152.33
Kodiak (a)	4.40	8.31	1.80	2.23	10.86	6.18	5.40	8.10	6.84	6.46	5.54	6.99	73.11
Kodiak (b)									2.31	4.83	5.47	10.18	
Latouche	7.37	5.40	2.37	3.25	7.69	3.73	6.53						
McKinley Park	21.26	24.20	16.12	17.60	16.59	5.50	6.43	16.38	17.39	24.05	27.47	43.56	236.55
Matanuska	0.17	1.41	0.48	0.14	0.77	1.63	0.79	3.72	1.00	0.36	1.29	1.38	13.14
Naknek	0.55	1.23	1.34	0.44	0.29	1.33	1.71	2.05	3.29	0.63	2.06	1.15	16.07
Nikolski					0.82	1.93	6.03	6.40	6.83	1.39	0.80	0.57	
Nome	2.53	3.41	2.00	2.07	1.10	2.63	4.26	2.41	3.40	2.77	3.49	4.26	34.33
Nyac	1.68	0.99	0.04	T.	T.	1.47	2.77	3.82	3.14	0.62	0.21	0.19	14.93
Porcupine Creek						2.30				0.65	1.82	1.00	
Port Heiden	3.55	3.37	4.42	1.75	3.68	0.88	1.22	1.40	3.75	3.18	9.93	3.98	41.11
Rampart	0.78	1.20	0.17	0.60	1.35	0.65							
Russian Mission	0.28	0.54	0.52	0.14	0.95	0.95	1.59	1.38	1.75	0.25	0.42	0.68	9.45
St. Paul Island							5.88		2.46	1.09	1.36	1.11	
Shaktoolik	1.79	0.77	0.47	0.83	0.63	1.87	2.52	2.49	4.68	2.62	3.00	1.41	23.08
Shaw Island											1.07	0.25	
Shelter Island	18.24	9.13	5.73										
Shishmaref	9.93	3.61	3.58	3.14	4.91	0.96	4.01	3.91	6.73	6.44	5.70	4.96	57.88
Sitka	0.56	0.07	0.12	0.30	0.08	0.63	0.84	3.15	1.22	0.10	0.30	0.10	7.47
Skagway	17.73	7.79	6.70	4.98	6.89	1.20	4.54	7.34	9.13	13.00	10.39	11.09	100.78
Speel River	3.75	2.20	3.39	1.14	1.40	0.94	1.23	1.88	2.41	3.31	7.26	7.30	36.21
Talkeetna	18.96	9.12	10.84	6.78	12.32	1.01	10.00	11.51	20.09	15.40	15.19	14.35	145.57
Tanana	1.89	4.26	3.02	0.53	0.52	2.18	5.22	5.14	6.98	1.65	1.93	3.02	36.34
Teller (Mission)	0.59	0.67	0.59	0.17	0.40	2.21	2.81	2.23	3.17	0.36	0.36	0.40	13.96
Valdez	1.44	1.28	0.05	0.26	0.11		1.66	3.49	1.23	0.40	1.65	1.08	
Wales	6.39	14.24			2.43	3.47	4.75	9.27	14.74	9.57	11.16	16.66	
Whale Island	0.96	1.81	0.32	0.96	0.14	1.05	2.28	5.16	3.19	2.14	0.29	1.18	19.48
White Mountain	6.81	7.06	1.35	2.79	10.23	3.60	4.41	4.57	5.68	6.81			
Wonder Lake		4.18	T.	0.12	0.02			8.53	2.37	0.03	0.09	0.66	
Wrangell	0.38	0.80	0.56			5.24	1.80					0.27	
Yakutat	11.88	5.74	6.20	4.30	8.51	1.47	5.18	3.30	8.24	13.10	10.06	10.15	88.13
	9.57		12.40	7.72	11.75	1.22	6.39	9.36	15.99	15.89	28.83	22.85	
Arizona													
Agua Caliente	0.00	0.28	T.	0.00	0.00	0.00			0.00	0.08	0.00	0.35	
Aguila	0.10	0.87	T.	T.	T.	0.00	1.26	0.65	0.16	0.23	0.18	0.85	4.30
Ajo	0.02	0.47	0.09	0.00	0.03	0.00	1.71	0.20	0.28	T.	0.06	0.47	3.33
Alamo Ranger Station	0.18	2.23	0.10				2.14	2.95	0.85	0.89		0.70	
Alpine	0.40	4.50	0.40	0.79	2.30	0.02	3.92	3.36	0.13	2.80	1.62	2.21	22.45
Apache Powder Co	0.00	1.63	0.00	T.	0.28	T.	1.30	3.97	0.15	2.57	0.41	0.30	10.61
Arivaca							1.20						
Ashdale Ranger Station	0.98	2.95	0.55	0.30	0.37	0.00	0.37	4.51	1.25	2.09	0.35	1.95	15.67
Ashfork	0.18	2.01	0.28	0.78	0.87	0.17	0.94	0.49	0.02	1.36	0.35	1.30	8.75
Baboquivari	0.00	2.79	0.00	0.11	0.18	0.05	3.65	2.41	1.67	0.34	0.33	0.42	11.95
Bagdad	0.24	1.01	0.31	0.11	0.02	0.00	0.54	1.07	0.39	0.51	0.06	1.37	5.63
Benson	0.00	1.92	0.00	T.	0.17	0.02	2.83	2.98	0.07	1.98	0.25	0.33	10.55
Big Spring Ranger Station						0.26	0.81	1.41					
Bisbee	0.00	0.97	0.00	0.04	0.67	T.	2.55	7.50	0.06	5.04	0.39	0.56	17.78
Blue	0.66	3.15	0.47	1.22	1.91	T.	6.33	4.45	0.97	2.80	1.99	0.28	24.23
Bly Ranger Station			0.59			0.00	1.95	2.74	1.03	1.64	2.48		
Bowie	0.00	1.43	0.00	0.00	1.02	0.00	1.87	4.02	0.35	1.25	0.28	0.00	10.22
Bright Angel Ranger Station	0.91		1.80	1.13	1.27	0.11	1.03	0.57	1.99	1.95	1.40		
Buckeye	0.00	0.70	0.12	0.00	T.	0.00	1.53	0.88	0.22	0.65	T.	0.95	5.05
Camel Back	0.05	1.55	0.19	T.	T.	0.00	0.10	1.47	1.33	0.99	0.31	0.78	6.77
Canille	0.00	5.21	0.00	0.07	0.48	0.32	4.24	6.86	0.30	2.79	0.63	0.48	21.38
Canon	0.00	1.34	0.21					0.37	1.03	1.25	0.56	0.59	
Casa Grande	0.00	1.26	0.05	T.	T.	0.00	0.70	0.65		0.03		0.20	
Castle Hot Springs		2.07	0.07	0.13	0.61	0.00	1.17	1.17	0.34	0.65	0.27	1.55	
Cedar Glade	0.21	1.48	0.12	0.14	0.77	1.07	0.43	1.41	0.38	1.00	0.22	1.86	9.09
Chandler	T.	1.37	0.15	T.	T.	0.00	T.	0.39	1.18	0.52	0.28	0.44	4.33
Childs	1.50	2.78	0.27	0.15	0.63	0.00	2.31	3.53	0.11	1.68	0.66	1.01	14.63
Chin Lee	0.00	1.17	0.48	0.39									
Cibecue	0.22	3.00	0.17	0.50	0.66	0.00	3.65	3.55	0.04	2.66	0.65	1.00	16.10
Clemenceau	0.25	1.83	0.12	0.30	0.49	0.00	1.30	0.71	0.05	1.26	0.74	1.15	8.20
Clifton	0.00	1.75	T.	0.22	0.87	0.00	1.68	1.80	0.53	2.45	0.79	0.26	10.35
Cochise Stronghold	0.00	2.08	0.00	0.10	0.77	0.01	4.62	7.14	0.00	3.35	0.83	0.50	19.40
Cordes	0.06		0.40	0.17	0.42	0.00	3.32	1.44	0.81	1.49	0.78	1.11	
Cove Ranch	T.	1.65	0.07	T.	0.06	0.00	0.12	1.26	0.10	0.60	0.32		
Crown King	0.73	3.20		0.38	0.56	0.00	2.49	2.78	1.23	1.58	1.00	3.15	
Douglas	0.00	0.98	0.00	0.03	0.60	T.	2.42	3.59	0.41	3.92	0.26	0.45	12.66
Eagle Creek Ranger Station	0.00	1.46	0.20	0.15	0.81	0.00	4.37	3.57	0.75	1.91	0.67	0.41	14.30
Edgerton	0.08	3.22	0.20	0.00	0.15	0.00	0.09	0.88	T.	0.41	0.07	0.90	6.00
Elgin (near)	0.31	1.94	0.00	0.00	0.00	0.00	3.55	3.69	0.00	1.41	0.64	T.	11.54
Fairbank	0.00	1.15	0.00	T.	0.33	0.04	1.34	1.39	0.07	1.89	0.23	0.33	6.77
Flagstaff	1.11	1.90	0.40	0.35	0.62	0.05	2.30	1.82	0.17	2.69	1.82	1.65	14.88
Florence	0.00	0.97	0.03	0.00	0.00	0.00	0.57	2.65	0.10	0.20	0.38	0.77	5.67
Fort Apache	0.43	2.82	0.38	0.79	0.87	0.00	2.12	3.65	0.57	1.95	0.47	1.15	15.20
Fort Grant	0.00	2.20	0.00	T.	1.15	0.00	2.55	1.46	0.50	1.50	0.18	0.30	9.84
Fort Mohave	0.00	0.62	0.06	0.00	0.18	0.00	T.	0.00	0.30	0.03	0.00	0.18	1.37
Fort Valley	1.07	1.94	0.80	0.58	1.12	0.10	1.95	5.78	0.44	3.07	2.28	2.02	21.15

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Arizona—Continued													
Gila Bend	0.00	0.86	0.05	0.00	0.01	0.00	0.05	0.76	0.32	T.	T.	0.83	2.88
Gisela	0.78	2.13	0.51	0.14	0.56					2.38	0.58	0.47	
Globe	0.18	2.64	0.14	0.16	0.57	0.00	1.65	2.11	0.06	1.56	0.55	0.55	10.17
Goodyear	0.00	1.14	0.15	0.00	0.00	0.00	0.04	0.70	0.80	0.61	0.49	0.37	4.30
Goulds Ranch	0.00	0.87	0.00	0.00	0.00	0.00	0.10	0.96	1.70	0.91	0.11	0.65	5.30
Grand Canyon	0.37	2.49	1.08	0.75	0.93	0.14	0.77	3.00	0.03	1.25	1.01	1.24	13.06
Granite Reef Dam	0.05	2.26	0.20	0.05	0.00	0.00	0.00	1.08	0.03		0.32	0.57	
Heber Ranger Station	0.50	1.20	0.02	T.	1.27	0.00	1.23	2.63	1.03	1.55			
Helvetia	0.11	3.26	0.00	0.20	0.47	0.02	4.24	2.58	0.44	1.51	0.82	0.62	14.27
Henrys Camp	0.15	3.43	0.27	0.96	1.61	0.00	4.30	5.12	0.29	2.67	0.96	0.98	20.74
Holbrook	0.06	0.95	0.12	0.57	0.29	0.00	0.65	0.47	1.33	1.11	0.94	0.41	6.90
Intake	0.05	1.80	0.04	0.09	0.42	0.00	0.88	2.58	0.08	1.01	0.28	0.61	7.84
Jerome	0.38	2.47	0.18	0.25	0.72	0.13	2.31	1.76	0.41	2.03	1.36	2.15	14.15
Kayenta	0.12	0.60	0.50	0.43	0.77	0.08	0.92	0.87	0.36	1.64	1.06	0.22	7.57
Keams Canyon											1.52	1.35	
Kingman	0.16	1.98	0.21	0.02	0.00	0.00	0.00	0.04	0.00	0.17	0.08	1.03	3.69
Lees Ferry	0.17	0.92	1.08	0.35	0.30	0.00	0.25	0.56	0.00	0.41	0.51	0.47	4.96
Leslie Canyon	T.	0.51	0.00	T.	1.36	0.03	1.95	4.60	0.07	4.69	0.55	0.20	13.96
Lewis Springs	0.00	0.61	0.00	0.00	0.09	T.	1.35	2.46	0.28	2.02	0.08	0.20	7.04
Litchfield	0.03	1.10	0.17	0.00	0.20	0.00	0.72	2.09	0.32	0.26	0.14	1.29	6.32
Maricopa	0.05	0.78	0.10	T.	T.	T.	0.82	1.82	0.20	0.48	0.32	0.66	5.23
Marinette	0.00	0.78	0.20	0.00	0.12	0.00	0.40	1.41	0.30	0.14	0.18	1.00	4.53
Mesa	T.	1.57	0.10	T.	T.	0.00	T.	0.37	1.67	0.56	0.35	0.65	5.27
Miami	0.00	3.02	0.10	0.36	0.56	0.00	3.89	3.25	0.60	1.99	0.65	0.58	15.00
Mohawk	0.00	0.34	0.00	0.00	0.00	0.00	0.00	T.	T.	0.01	T.	1.00	1.35
Mormon Flats	0.15	2.38	0.24	0.02	0.16	0.00	1.83	2.25	0.00	0.73		1.39	
Mormon Lake				0.00	0.89	0.00	2.34	3.05	1.90	2.20			
Mount Graham Mill						T.							
Mount Trumbull	0.87	1.82	1.07	0.02	1.23	0.20	0.94	1.30	T.	0.19	0.71	0.61	8.96
Naco	0.00	1.01	0.00	0.00	0.00	0.00	1.30	2.85	0.31	3.27	0.00	0.75	9.49
Nadaburg	0.02	1.11	0.05	0.00	0.07	0.00	1.69	0.63	0.52	0.30	0.09	0.73	5.21
Natural Bridge	0.50	3.90	0.45	0.70	0.94	T.	2.06	3.60	0.03	3.78	1.06	1.54	18.50
Nogales	0.04	1.50	0.00	T.	0.16	T.	1.71	4.08	0.95	2.11	0.18	0.75	12.08
Oracle	0.22	1.98	T.										
Palmers Ranch	0.24	2.12	0.40	0.55	0.10	0.00	0.46	0.80	0.16	1.14	0.18	1.09	7.24
Paradise	0.00	2.03	T.	0.68	0.97	0.09	3.09	5.85	0.05	3.50	1.73	0.17	18.76
Parker	T.	0.05	0.15	0.00	T.	0.00	0.00	0.11	T.	0.24	0.00	0.70	1.25
Patagonia	T.	1.73	0.00	0.09	0.02	T.	3.23	3.46	0.49	4.06	0.24	0.22	13.54
Payson	0.39	2.66	0.77	0.55	0.55	T.	3.19	2.31	0.06	3.03	1.13	0.87	15.51
Phoenix	T.	1.33	0.13	T.	0.03	0.00	0.11	1.47	0.44	1.51	0.16	1.01	6.19
Phoenix Indian School							0.07	1.31	0.38	1.23	0.25	0.47	
Pinal Ranch	0.15	2.36	0.45	0.57	0.61	0.00	4.26	6.86	0.00	1.99	0.85	1.27	19.37
Pinedale	0.30	3.01	0.14	0.54	0.97	0.00	2.09	1.45	0.10	4.06	1.46	0.48	14.60
Portal	0.00	1.90	0.00	0.53	2.23	0.15	3.78	4.60	0.00	3.83	0.73	0.17	17.92
Prescott	0.79	2.34	0.70	0.31	0.43	0.00	0.48	1.53	0.93	2.05	1.57	2.65	13.78
Prescott Dry Farm	0.38	1.13	0.22	0.37	0.79	0.00	3.36	1.48	0.95	1.14	0.47	1.40	11.69
Quartzsite	0.00	0.22	T.	0.00	0.00	0.00	T.	0.28	T.	T.	T.	0.42	0.92
Redrock	0.00	1.15		T.	0.02	0.00	0.22	0.70	0.04	0.44	0.12	0.60	
Reno Ranger Station												1.09	
Roll			0.08	0.00	0.02	0.00	0.01	0.04	0.02	0.00	0.00	0.07	
Roosevelt	0.11	2.63	0.15	0.08	0.14	0.00	1.16	2.69	0.09	1.71	0.77	1.26	10.79
Rosemont	0.00	2.56	0.00	0.00	0.14	0.05	3.18	2.74	1.45	1.64	0.51	0.65	12.92
Rucker Canyon	0.00	1.68	0.00	0.03	2.18	0.07	2.58	5.10	1.56	4.82	0.88	0.45	19.35
Ryan Ranger Station				0.60	1.66								
Sacaton	0.00	1.37	0.13	0.01	0.04	0.00	0.78	1.99	0.23	0.32	0.11	0.61	5.59
St. Johns	0.00	1.33	0.30	0.69	1.63	0.06	1.04	2.66	0.21	0.71	0.85	0.46	9.94
Salome	0.02	0.73	0.17	0.00	0.10	0.00	0.28	0.73	0.03	T.	0.09	0.70	2.85
San Carlos	0.18		0.05	T.	0.00	0.00	0.55	4.12					
San Rafael Ranch	0.00	1.73	0.00	0.04	0.22	0.00	2.37	5.48	1.11	2.91	0.03	0.42	14.31
San Simon	0.00	1.63	0.00	0.00	1.01	0.03	3.62	2.14	0.64	1.68	0.25	0.07	11.07
San Vicente	0.00	1.33	0.05	0.03	0.00	0.00	3.53	1.98	0.42	0.56	0.43	0.77	9.10
Santa Marguerita	0.00	1.41	0.00	0.00	0.32	T.	2.38	2.37	1.13	0.45	0.33	0.60	8.99
Seligman	0.04	0.88	0.26	0.70	0.84	0.00	0.57	0.25	0.22	0.00	0.62	0.55	4.93
Snowflake	T.	1.49	T.	0.69	0.74	0.00	0.45	1.57	0.48	1.18	1.18	0.38	8.16
Soldier Camp				0.00	0.17	0.00	4.78	5.50					
Springerville	T.	1.10	0.29	1.00	2.13	0.00	1.47	2.00		0.43	1.19	0.50	
Spring Valley Ranger Station					0.88	0.15	1.75	0.58					
Stephens Ranch												0.10	
Supai	0.02	2.07	0.00	0.00	1.50	0.00	0.04					0.12	
Superior	0.18	2.87	0.12	0.32	0.48	0.00	1.47	5.07	0.00	3.32	0.44	1.19	15.46
Sycamore Ranger Station	0.35	1.40	0.38	0.33	0.60	T.	0.55	0.98	0.74	0.00	0.40	1.02	6.75
Tempe Date Orchard	0.11	1.33	0.26	0.00	T.	0.00	0.08	0.42	1.69	0.89	0.45	0.53	5.76
Tempe (No. 2)	0.10	1.37	0.18	0.00	0.00	0.00	0.11	0.34	1.15	0.41	0.21	0.74	4.61
Thatcher	0.00	1.43	0.00	0.02	0.19	0.00	1.01	1.74	0.00	0.87	0.17	0.14	5.57
Tombstone	0.00	1.44	0.00	T.	0.55	0.05	0.97	5.25	0.60	2.37	0.10	0.57	11.90
Tonto Ranger Station	1.10	1.81	0.00		0.33	0.00	2.20	1.22	0.51		0.38	1.35	
Truxton Canyon			0.17	0.10	0.09	0.00	0.74	0.47	0.62	0.05	0.28	1.08	
Tuba City	T.	0.86	0.50	0.24	0.56	0.08	0.17	0.81	0.03	0.77	0.93	0.12	5.07
Tucson	0.00	1.23	T.	T.	0.11	0.05	1.91	2.83	0.61	0.28	0.26	0.45	7.73
University of Arizona	0.00	0.83	0.00	0.03	0.00	0.09	1.78	2.28	0.36	0.08	0.44	0.52	6.50
Ventana Ranch	0.00	0.89	0.00	0.00	0.27	0.00	3.31	2.96	0.42	0.00	0.12	0.34	8.31
Walnut Creek Ranger Station	0.60	2.00	0.32	0.34	0.89	0.01	2.03	0.72	0.14	0.74	0.34		
Walnut Grove	0.21	2.26	0.29	0.17	0.19	0.00	2.54	1.18	0.84	0.86	0.62	1.74	10.90
Waters Ranger Station	1.00	2.40	0.00	0.00	0.00	0.00	2.00	1.90	0.00	1.10	0.90	0.55	9.85
Wellton	T.	0.03	0.14	0.00	0.01	0.00	0.07	0.10	0.05	T.	0.00	0.04	0.44
Wickenburg	0.00	1.52	0.17	0.00	0.00	0.00	0.22	1.76	0.30	0.63	0.27	1.31	6.18
Wikieup	0.17	1.26	0.22	0.24	0.00	0.00	0.00	0.23	0.00	0.61	0.34	0.70	3.77
Wilbur Ranch	0.05	1.74	0.13	0.00	0.03		0.00						
Willcox (near)	0.00	1.60	0.00	0.00	0.99	0.00	3.41	1.38	0.18	1.84	0.06	0.06	10.12
Williams	0.64	2.16	0.50	0.49	0.97	0.08	2.07	2.43	0.05	2.57	1.53	1.77	15.24
Winslow	0.00	0.73	0.05	0.53	0.47	0.00	0.99	4.44	0.19	0.59	1.21	0.09	9.29
Yaeger Canyon	0.45	3.04	0.17	0.51	0.73	0.07	0.58	2.30	0.57	1.28	1.16	2.22	13.08
Young	0.64	2.82	0.20	0.46	0.38	0.00	5.11	3.72	1.18	2.66	0.96	0.75	18.88
Yuma (Weather Bureau)	T.	0.22	0.11	0.00	T.	0.00	0.00	0.04	T.	0.06	0.04	T.	0.47
Yuma Citrus Station	0.00	0.27	0.09	0.00	0.00	0.00	0.08	T.	0.11	T.	0.00	0.00	0.55
Yuma Date Orchard	0.00	0.22	0.14	0.00	T.	0.00	0.00	0.12	T.	0.09	0.06	T.	0.63

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Arkansas													
Amity	0.90	1.13	0.84	4.03	0.99	4.01	2.17	2.27	0.00	1.33	2.66	2.77	23.10
Arkadelphia	1.48	3.13	1.99	5.95	2.14	8.08	4.91	3.26	0.40	3.47	3.84	7.81	46.46
Arkansas City	1.00	3.24	4.01	8.23	1.97	4.61	2.18	3.19	0.80	2.17	4.57	5.27	41.24
Arlberg	3.60	1.84	1.53	9.05	3.76	11.98	1.98	6.86	0.00	3.73	5.92	4.27	54.52
Batesville	3.95	1.32	2.37	8.83	3.65	12.08	1.93	3.31	0.57	5.72	4.83	3.95	52.51
Bee Branch	4.55	2.55	2.64	10.89	6.13	10.63	1.67	5.43	0.35	4.43	7.71	4.67	61.65
Bentonville	1.34	2.48	2.63	9.85	6.62	13.81	3.15	9.20	0.43	3.22	4.74	2.96	60.43
Black Rock	2.93	2.13	2.06	8.61	3.77	17.07	1.40	5.70	0.80	8.74	5.58	4.03	62.82
Blytheville	4.26	----	----	6.48	2.20	10.00	2.27	2.63	0.36	8.94	1.80	2.00	----
Booneville	2.65	1.02	1.58	11.31	3.67	11.19	7.65	5.27	0.06	3.30	3.69	3.59	54.98
Brinkley	1.72	1.33	2.65	10.21	4.84	8.75	2.11	7.03	2.40	6.93	3.22	4.87	56.04
Calico Rock	1.36	1.71	2.55	8.27	5.03	13.79	5.38	5.98	0.71	3.41	3.63	3.41	55.23
Camden	1.35	2.37	3.54	7.31	2.03	7.62	7.10	1.56	0.34	3.19	3.67	5.37	45.45
Center Point	1.59	2.66	2.05	6.54	3.08	8.43	3.35	2.13	0.19	2.77	4.70	6.53	44.02
Clarendon	1.84	1.53	3.00	8.52	3.98	9.32	2.51	5.23	1.16	6.40	3.63	4.70	51.82
Clinton	4.33	1.73	1.78	11.44	4.45	10.07	0.79	4.58	0.71	4.34	6.28	4.23	54.73
Cold Springs	2.41	1.28	1.21	7.84	3.69	----	----	----	----	----	----	----	----
Conway	2.52	1.29	3.82	9.48	2.96	5.83	3.88	4.88	0.00	3.66	3.83	4.62	46.77
Corning	2.20	2.99	2.83	8.76	5.74	13.18	1.90	6.64	0.47	6.20	5.86	3.70	60.47
Corning (river)	1.79	2.41	1.87	7.01	5.28	13.48	----	8.02	0.65	7.25	5.36	3.14	----
Cotter	1.62	1.46	1.53	8.82	3.73	14.53	3.40	7.20	0.20	1.95	1.92	3.48	49.84
Crossett	----	----	----	----	----	----	----	----	0.19	5.20	4.33	4.25	----
Dam No. 1	2.58	2.33	4.06	9.02	2.27	10.90	4.15	5.66	0.27	3.65	----	----	----
Danville	3.10	1.12	2.21	9.21	3.54	7.60	2.22	6.02	T.	3.88	4.95	3.52	47.37
Dardanelle	2.83	1.60	1.60	7.67	2.73	7.67	2.64	5.49	0.44	4.14	5.49	2.91	45.21
De Valls Bluff	1.28	1.35	2.04	9.56	4.75	7.40	0.92	5.35	1.28	6.83	3.10	5.22	49.08
Dumas	0.75	2.48	4.55	9.69	3.48	6.18	6.93	2.16	0.02	2.18	5.16	5.00	48.58
Dutton	2.65	2.56	1.96	10.44	4.13	12.53	0.99	5.11	T.	3.08	6.17	3.29	52.91
Eagleton	3.02	3.96	1.03	----	----	----	----	----	----	----	----	----	----
El Dorado	1.59	2.66	3.79	8.09	3.04	4.57	9.23	0.99	0.62	4.87	4.81	4.96	49.82
England	1.28	2.81	2.23	7.82	4.56	8.21	4.43	6.59	T.	3.82	2.30	5.02	47.07
Eureka Springs	2.05	2.72	3.65	10.61	6.17	11.24	3.36	6.47	0.47	2.96	4.67	3.30	57.67
Evening Shade	----	1.33	----	----	----	----	----	----	----	----	----	----	----
Fayetteville	1.54	2.61	2.88	11.87	4.22	8.90	3.00	7.83	0.47	2.83	4.08	2.67	52.90
Fort Smith	2.08	0.77	1.34	7.31	5.43	7.22	2.48	4.02	0.05	4.66	2.45	1.67	40.48
Freeman Springs	2.59	2.47	1.78	7.62	3.60	11.16	1.55	6.33	0.05	4.20	5.63	3.07	49.75
Fulton	1.85	3.84	1.72	5.60	2.73	8.41	4.02	1.12	0.25	8.88	3.66	7.94	49.42
Georgetown	1.54	3.03	2.30	9.09	2.30	8.30	2.85	4.53	2.18	4.73	2.32	5.45	48.62
Gilbert	1.50	0.96	2.17	8.00	3.25	11.54	0.46	6.09	0.52	3.80	2.89	2.42	43.40
Grannis	----	----	2.02	8.90	3.51	10.57	5.52	3.41	0.15	4.93	6.52	8.34	----
Gravette	2.01	2.07	2.65	9.65	4.24	11.35	6.37	10.51	0.44	2.82	3.99	2.82	58.72
Harrison	3.58	1.64	1.81	10.11	4.27	14.19	1.52	2.69	0.08	2.21	3.42	2.69	48.21
Helena	1.35	2.35	6.39	8.41	5.42	9.21	5.80	6.06	1.26	3.80	6.41	3.54	60.03
Higden	4.60	1.91	2.71	9.23	3.66	9.84	2.07	4.78	0.61	3.49	6.63	4.26	53.79
Hope	0.68	3.33	3.22	4.09	2.49	10.28	5.37	2.59	0.10	4.49	5.50	5.62	48.76
Hot Springs	2.07	2.46	1.10	9.30	2.97	8.44	5.97	1.55	0.00	6.55	2.37	7.50	50.38
Huttig	1.56	2.65	2.80	14.01	----	----	----	----	----	----	----	----	----
Index	0.53	3.45	2.06	4.27	3.04	6.70	3.10	1.95	0.26	4.56	4.47	5.22	39.61
Jessieville	2.05	1.79	1.60	7.30	3.10	6.85	4.05	5.80	----	3.77	4.35	2.74	----
Jonesboro	3.23	2.01	2.10	7.17	2.96	11.02	1.41	3.78	0.84	4.66	3.02	4.20	46.40
Junction	1.83	3.15	3.86	7.76	4.10	----	7.28	1.26	----	----	----	----	----
Lambrook	0.86	2.59	6.91	8.67	4.67	7.67	6.91	6.17	----	----	----	3.25	----
Lead Hill	2.07	1.43	1.63	8.24	4.50	14.53	1.40	4.11	0.11	3.81	3.82	2.66	48.31
Little Rock	1.18	2.57	1.70	7.01	3.86	6.72	2.79	4.70	0.52	3.06	2.59	5.68	42.38
Lurton	2.41	3.08	2.01	10.12	3.69	10.72	3.21	7.97	0.00	4.66	5.91	4.39	58.17
Lutherville	3.96	2.11	2.06	9.75	5.49	9.41	2.16	4.42	0.02	4.46	6.50	4.20	54.54
Magnolia	0.98	2.67	5.56	6.78	5.93	8.39	3.16	1.17	0.12	1.98	3.40	4.86	45.06
Malvern	1.66	3.02	2.19	6.63	2.11	6.82	8.37	3.21	0.19	3.64	4.24	7.10	49.18
Mammoth Spring	1.83	2.55	2.23	9.46	3.81	13.39	7.44	4.23	0.12	4.58	5.60	2.79	58.03
Marianna	1.79	2.00	2.87	7.00	2.91	5.22	3.13	4.55	0.05	4.24	4.02	3.61	41.39
Marked Tree	2.41	2.03	3.01	7.97	3.54	7.95	1.27	4.92	0.81	5.93	2.36	4.17	46.37
Marshall	1.48	1.60	2.56	12.55	4.71	16.71	1.98	6.74	0.41	5.28	2.56	3.09	59.66
Mena	1.50	2.04	1.38	10.10	4.92	6.11	4.84	2.32	0.07	3.20	5.08	5.08	46.64
Morrillton	2.52	1.22	2.00	7.43	2.57	7.43	2.46	6.79	0.00	3.78	5.07	3.95	45.22
Mountain Home	----	1.47	0.73	9.03	7.35	15.04	4.38	6.87	0.37	----	3.87	4.34	----
Mount Ida	0.64	2.33	1.90	8.74	1.91	7.04	4.90	3.34	0.00	4.85	5.44	5.33	47.42
Nashville	----	----	----	6.34	2.76	8.85	7.15	----	----	----	----	----	----
Newport	2.77	2.03	2.39	8.48	2.24	11.49	2.60	3.25	2.10	6.30	3.29	3.65	50.59
Norman	----	----	----	----	----	----	----	----	0.00	3.30	7.89	6.81	----
Oden	1.94	1.86	1.61	9.55	1.80	7.50	4.00	2.54	0.25	2.68	5.45	4.10	43.28
Osceola	1.93	1.50	1.48	8.00	2.89	9.10	2.43	5.79	0.40	7.30	2.97	4.39	48.18
Ozark	2.12	1.94	1.94	8.77	2.86	9.25	4.59	7.03	T.	3.04	4.04	2.94	48.52
Paragould	4.49	2.86	3.13	8.46	3.52	13.91	0.60	4.89	0.12	9.18	4.02	4.68	59.86
Patterson	2.56	2.22	3.25	7.80	2.69	9.91	1.57	5.84	1.34	4.98	3.13	3.91	49.20
Piggott	2.10	2.95	2.33	7.42	3.47	11.86	2.65	6.07	0.80	11.58	3.64	3.83	59.30
Pindall	2.12	1.24	2.23	8.53	----	----	----	----	----	----	----	----	----
Pine Bluff	0.55	1.95	4.39	10.78	2.03	9.33	5.29	2.76	0.14	8.12	3.07	4.06	32.47
Pocahontas	1.96	2.47	2.24	8.92	4.96	17.16	1.62	6.44	0.08	6.84	5.81	4.51	63.01
Portland	0.64	2.74	2.43	9.43	2.85	4.34	4.67	0.73	0.40	1.87	4.76	5.43	40.29
Prescott	1.85	3.64	2.83	5.82	2.58	11.08	7.46	2.99	0.14	6.23	2.22	5.96	52.80
Princeton	1.39	2.50	3.14	7.84	3.02	9.76	6.04	1.12	1.20	4.47	2.91	5.57	48.96
Rison	1.65	1.79	4.11	8.03	1.81	10.29	3.72	2.80	0.00	7.49	4.08	4.71	50.48
Rogers	1.71	2.46	3.12	10.07	5.99	10.54	2.41	5.97	0.30	2.85	5.13	2.85	53.40
St. Francis	2.29	2.96	2.20	7.16	2.71	11.76	1.81	5.51	0.98	7.97	3.11	4.48	52.94
Searcy	1.85	2.56	2.51	9.00	2.30	10.06	2.73	4.82	1.53	3.04	4.12	5.22	49.74
Springbank	1.40	2.73	2.88	8.10	2.70	8.82	3.34	1.99	T.	3.93	4.63	6.77	47.29
Story	1.08	1.94	1.42	8.71	2.99	7.08	7.13	2.94	0.30	3.72	2.67	5.16	45.14
Stuttgart	1.07	2.00	3.26	9.33	5.64	5.67	3.18	6.26	0.00	8.18	3.29	5.01	53.79
Subiaco	4.44	1.78	1.96	9.45	4.23	10.66	2.73	3.81	T.	3.28	3.01	2.52	47.87
Texarkana	1.36	4.69	1.82	5.72	4.41	7.73	4.54	2.88	0.15	5.88	5.70	7.27	52.15
Thornburg	2.20	1.36	1.05	9.47	4.24	10.09	2.60	10.57	0.19	5.84	3.95	4.88	56.44
Waldron	2.72	1.28	1.21	7.48	5.37	5.70	7.10	2.41	1.02	2.20	5.25	2.74	43.48
Warren	1.20	2.19	3.72	10.47	1.74	5.46	3.96	1.53	1.50	6.44	3.73	4.58	46.52
Waters	2.11	1.44	1.79	11.08	2.20	8.98	9.84	3.92	0.00	3.61	5.54	5.09	56.10
Whitecliffs	0.50	3.09	3.28	5.73	2.28	6.35	5.19	2.42	0.00	5.76	6.13	5.45	46.18
Wilson	2.38	2.77	2.03	9.15	1.55	6.76	1.02	4.50	0.00	5.80	3.82	5.08	43.86
Wynne	1.38	1.59	2.67	8.54	4.16	9.13	1.84	10.53	2.60	6.68	3.24	4.42	56.78
Yancopin	0.74	2.60	4.55	8.46	3.38	6.78	2.25	1.89	0.76	2.45	4.01	4.30	42.17

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
California													
Abbotts	0.09	3.50	3.30	0.00	2.70	0.00	0.00	0.00	0.00	0.00	2.80	2.80	16.00
Aguanga	------	------	------	------	0.35	0.00	0.00	0.00	0.00	0.95	0.50	1.28	------
Alvarado (near)	1.89	1.90	2.39	1.05	0.59	T.	0.00	T.	0.00	T.	1.63	3.31	12.76
Amago	1.02	2.91	2.71	0.19	1.35	T.	0.00	0.00	0.00	0.50	2.33	3.66	14.67
Amos	0.00	0.45	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.67
Angiola	0.15	0.86	0.93	0.27	1.16	0.00	0.00	0.00	0.00	0.00	1.27	1.88	6.52
Antelope Valley	0.50	0.79	1.34	0.04	0.48	0.00	0.00	0.00	0.00	0.00	1.21	1.96	6.32
Antioch	1.33	1.16	2.57	0.88	0.18	0.00	0.00	0.00	0.00	0.03	2.52	2.85	11.52
Ash Mountain	1.75	1.94	4.75	1.74	0.77	0.00	0.00	0.00	0.00	0.03	2.67	3.86	17.51
Atascadero	0.00	2.19	5.04	0.54	0.13	0.00	0.00	0.00	0.00	T.	3.58	5.48	16.96
Auberry	1.85	2.35	5.06	1.71	0.04	0.00	0.00	0.00	0.00	0.00	2.88	2.61	16.50
Auburn	1.60	2.45	10.70	2.20	0.00	0.00	0.00	0.00	0.00	0.30	4.14	4.48	25.87
Avalon	0.13	1.48	2.29	0.15	0.28	0.00	0.00	0.00	0.00	0.31	0.84	2.79	8.27
Bakersfield	0.29	0.33	0.59	0.14	1.70	0.00	0.00	0.00	0.00	0.00	0.78	1.00	4.63
Barrett Dam	0.80	1.73	0.73	0.17	0.31	0.00	0.00	0.00	0.00	0.32	1.09	2.90	8.05
Beaumont	0.90	2.68	2.20	0.32	1.38	0.00	0.00	0.00	0.00	1.32	1.84	2.19	12.83
Beaumont (near)	1.00	2.90	2.50	0.49	1.92	0.00	0.00	0.00	0.00	0.99	1.64	2.64	14.08
Bellota	0.95	2.02	4.94	0.60	0.30	0.00	0.00	0.00	0.00	0.07	4.00	2.08	14.96
Benson's Ferry	1.29	1.17	3.66	0.70	0.40	0.00	0.00	0.00	0.00	T.	2.32	2.16	11.70
Berkeley	1.78	1.57	4.40	1.31	0.36	0.00	0.00	0.00	0.25	0.09	2.57	3.82	16.15
Betteravia	0.19	2.70	2.28	0.16	0.61	0.00	0.00	0.00	0.00	0.00	2.26	2.57	10.77
Big Creek	2.53	3.18	6.81	2.49	1.52	0.02	0.00	0.00	T.	0.13	3.18	3.73	23.95
Big Sur	1.49	5.27	13.27	2.18	0.27	0.00	0.00	0.00	0.00	0.00	5.55	6.70	34.73
Bishop Creek	0.64	0.62	0.80	0.25	2.88	0.05	0.00	0.10	0.00	0.14	0.73	1.30	7.51
Blue Canyon	2.91	2.65	17.18	4.48	0.20	0.15	0.00	0.00	0.30	0.69	3.84	5.65	38.05
Blythe	0.00	0.30	0.13	0.00	0.06	0.00	0.00	T.	T.	0.00	T.	0.47	0.96
Bonita	0.38	0.93	1.03	0.27	1.03	0.03	0.00	T.	T.	0.91	0.73	2.35	7.66
Bowman Dam	3.23	3.57	21.54	5.75	0.57	0.15	0.02	0.00	0.45	0.78	5.59	5.97	47.62
Brawley	0.00	0.17	0.06	0.00	0.00	0.00	T.	T.	0.00	0.22	0.00	T.	0.45
Bridgeport	0.28	0.25	0.80	------	0.44	T.	T.	T.	T.	0.20	0.30	1.06	------
Brooks	2.13	3.11	3.65	1.71	0.05	0.04	0.00	0.00	T.	0.21	3.36	4.12	8.38
Campo	0.96	2.48	1.26	0.28	0.42	0.00	0.00	0.00	0.00	0.33	1.10	2.94	9.77
Camptonville (near)	5.51	4.58	20.80	3.40	0.12	0.68	0.00	0.00	0.17	0.73	5.44	7.25	48.68
Canyon Dam	3.14	3.11	10.10	1.66	0.68	0.04	0.00	0.00	0.21	0.79	3.37	4.52	27.62
Cedarville	0.92	0.75	2.93	0.81	T.	0.55	0.00	0.00	0.40	0.15	1.43	0.42	8.36
Centerville Powerhouse	3.19	5.53	9.96	2.60	0.00	0.17	0.00	T.	0.00	0.43	6.77	6.64	35.29
Chester	2.68	3.82	8.46	3.43	0.41	0.00	0.00	0.00	0.00	0.65	4.81	3.94	28.20
Chico	2.54	3.33	5.23	0.70	0.00	0.17	0.00	0.00	0.01	0.56	4.77	4.72	22.03
China Flat	6.23	3.65	8.89	5.67	0.00	0.41	0.00	0.00	0.63	2.38	7.99	7.90	43.75
Chula Vista	0.44	0.04	0.67	0.14	0.62	0.06	0.00	0.03	0.00	0.85	0.57	2.30	6.32
Chute Camp	5.96	3.74	21.88	4.69	0.03	0.15	0.00	0.00	0.09	0.63	6.30	6.92	49.89
Claremont	0.19	2.34	1.38	0.76	1.73	T.	0.00	0.00	0.00	0.42	1.37	2.41	10.60
Clear Lake	1.56	3.68	4.15	0.90	0.05	0.00	0.00	0.00	0.00	0.02	3.25	3.32	16.93
Clements	1.02	1.87	4.80	0.37	0.48	0.00	0.00	0.00	0.00	0.06	3.56	0.80	12.96
Cliff Camp	3.30	2.78	7.86	1.78	0.92	T.	T.	0.00	T.	0.42	3.85	4.68	24.59
Cloverdale	4.04	4.77	8.29	2.71	0.65	0.00	0.00	0.00	T.	0.40	5.93	6.01	32.80
Clovis (near)	0.86	1.55	2.25	0.64	0.00	0.00	0.00	0.00	0.00	0.00	2.32	1.87	9.49
Coalinga	0.14	0.81	0.46	0.17	0.53	0.00	0.00	0.00	0.00	T.	0.54	2.05	4.70
Colfax	2.72	3.53	5.07	3.51	T.	T.	0.00	0.00	0.18	0.48	5.05	5.27	35.81
Colgate	3.50	3.15	13.87	3.96	0.01	0.06	0.00	0.00	T.	0.35	4.80	5.72	35.42
Colusa	2.07	2.42	3.34	0.61	0.00	0.12	0.00	0.01	T.	0.12	3.08	2.79	14.56
Corona	1.12	2.01	1.59	0.00	0.00	0.01	0.00	0.00	0.00	0.85	0.82	1.91	8.31
Crescent City	11.85	5.21	14.96	13.03	0.50	0.73	0.36	0.00	1.55	5.98	9.63	5.36	69.16
Crockett	2.39	1.35	3.55	1.44	0.23	0.00	0.00	0.00	0.00	0.13	2.81	3.96	15.86
Cummings	12.59	5.18	15.78	6.19	0.03	0.02	0.05	0.00	0.28	3.45	9.62	10.46	63.65
Cuyamaca	1.76	5.07	2.05	0.20	1.51	0.00	0.00	0.00	0.00	0.99	2.72	7.32	21.62
Davis	1.73	1.62	3.45	0.75	0.27	0.00	0.00	0.00	0.00	0.13	3.19	2.74	13.88
Deer Creek	5.46	5.03	24.14	5.32	0.26	0.30	T.	0.00	0.43	0.67	7.44	7.38	56.43
Del Monte	0.50	2.05	3.55	0.88	0.00	0.00	T.	0.04	T.	0.01	2.03	3.72	12.78
Denair	0.57	1.97	2.28	1.43	0.00	0.00	0.00	0.00	0.00	0.00	3.03	2.05	11.33
De Sabla	4.53	7.36	16.18	3.42	0.00	0.22	0.06	T.	0.02	0.92	7.63	6.68	47.02
Dinkey Meadow	2.01	3.05	8.67	2.36	0.77	T.	T.	0.00	T.	0.32	4.11	4.59	25.88
Dinuba	0.48	0.94	1.62	0.34	0.00	0.00	0.00	0.00	0.00	0.00	2.09	2.06	7.53
Dobbins (near)	3.51	3.35	13.49	3.70	0.02	0.06	0.00	0.00	0.00	0.40	5.44	5.74	35.71
Downieville	5.57	3.98	19.53	6.04	0.67	0.27	0.00	0.00	0.10	0.61	6.95	7.87	51.50
Doyle	0.71	0.11	4.16	0.87	0.58	0.09	0.36	T.	T.	0.12	1.29	1.40	9.69
Dudley	------	------	------	0.07	3.08	0.00	0.00	------	------	0.00	0.49	0.64	------
Dudleys	1.75	5.07	10.74	2.62	0.07	0.06	T.	0.00	0.00	0.12	4.34	4.39	29.20
East Park	2.20	2.84	2.87	0.94	0.20	0.02	0.00	0.00	T.	T.	2.95	2.66	14.68
Edison (near)	0.85	0.87	1.22	0.25	2.11	0.00	0.00	0.00	0.00	0.01	1.86	1.85	9.02
El Cajon	0.41	1.82	0.88	0.04	0.59	0.04	0.00	0.00	0.00	0.95	0.86	2.75	8.34
Electra	2.33	2.61	9.90	2.38	0.00	0.39	0.00	0.00	T.	0.09	3.97	3.77	25.44
Ellery Lake	3.26	3.68	8.07	3.81	1.52	0.68	0.00	0.00	0.00	0.96	2.67	5.63	30.28
Elliott	1.10	1.52	4.12	1.00	0.38	T.	T.	0.00	T.	0.03	3.08	2.32	13.55
Elsinore	0.50	1.06	0.64	0.06	0.29	0.00	0.00	0.00	0.00	0.70	0.76	1.73	5.74
Escondido (No. 1)	0.85	3.02	1.13	0.21	0.76	0.02	0.00	T.	0.00	0.18	1.16	3.52	10.85
Escondido (No. 2)	0.65	3.75	1.04	0.17	1.09	0.00	0.00	0.00	0.00	0.15	1.42	4.46	12.73
Eureka	3.58	2.78	7.01	5.86	0.12	0.32	0.02	0.05	0.58	2.21	4.90	7.82	35.25
Fairmont	0.04	3.42	0.63	0.08	0.05	0.00	0.00	0.00	0.00	0.10	1.22	2.14	7.68
Fall River Mills	1.62	1.30	5.22	0.75	0.59	0.50	0.00	0.02	0.20	0.62	2.99	3.45	17.26
Firebaugh	0.20	0.57	0.84	0.39	0.30	0.00	0.00	0.00	0.00	T.	2.15	1.22	5.67
Folson	1.88	2.34	5.70	1.96	0.05	0.05	0.00	0.00	0.00	0.13	3.95	3.27	19.33
Fontana	0.94	2.70	1.90	0.59	1.18	0.00	0.00	0.00	0.00	0.80	1.25	2.74	12.10
Fordyce Dam	5.32	4.95	23.50	5.06	0.26	0.19	0.00	0.00	0.38	0.54	5.14	6.15	51.49
Fort Bidwell	1.74	1.13	2.74	1.25	0.08	0.23	0.00	0.12	0.71	0.37	1.76	0.61	10.74
Fort Bragg	4.97	3.76	7.06	3.55	0.25	0.00	T.	0.00	0.31	1.24	5.56	6.38	33.04
Fort Rose	3.34	5.47	7.45	3.21	0.19	0.00	0.13	0.00	0.45	1.14	5.81	6.72	33.91
Fresno	0.08	0.81	1.32	0.29	T.	0.00	0.00	0.00	0.00	T.	1.57	1.47	5.54
Friant	1.13	1.54	2.06	0.48	T.	T.	0.00	0.00	0.00	0.00	2.67	1.81	9.69
Gem Lake	3.03	3.10	4.32	3.31	1.72	0.26	0.34	0.00	0.00	1.45	1.15	2.63	21.31
Giant Forest	1.98	1.94	7.62	2.52	1.79	T.	0.00	0.00	0.00	0.33	4.63	4.85	25.66
Glennville (near)	0.97	1.22	3.40	1.30	1.54	0.00	0.00	0.00	0.00	0.08	3.75	3.79	16.00
Grass Valley	3.79	4.47	19.02	4.43	T.	0.22	T.	0.00	0.12	0.46	7.35	6.97	46.83
Graton	4.64	4.85	8.38	2.91	0.13	0.00	T.	T.	0.02	0.44	8.37	6.45	36.19
Greenland Ranch	0.00	0.37	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.10	0.57
Haiwee	0.00	0.00	0.00	0.00	0.76	0.00	0.00	0.00	0.00	0.31	0.32	0.44	1.83
Hamilton City	2.72	2.71	3.43	0.65	0.00	0.03	0.00	0.00	0.00	0.40	4.64	3.34	17.92
Hanford	0.09	0.96	1.55	0.08	0.10	0.00	0.00	0.00	0.00	T.	1.47	1.69	5.94

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
California—Continued													
Happy Camp						0.55	0.00	0.00	1.02	2.92	6.39	10.59	
Hat Creek	1.53	1.36	4.87	1.05	1.76	0.08	0.14	0.14	0.16	0.50	2.69	2.64	16.72
Hayfork	4.77	2.42	6.85	2.68	0.38	0.19	0.00	0.00	0.11	0.83	5.73	5.42	29.38
Healdsburg	4.72	4.45	8.14	2.80	0.29	0.00	0.00	0.00	0.00	0.29	6.55	6.61	33.85
Helm	0.04	0.62	0.49	0.00	T.	0.00	0.00	0.00	0.00	0.00	1.42	2.03	4.60
Helm Creek	1.73	2.89	7.84	1.68	0.91	0.07	T.	T.	T.	0.48	4.12	4.19	23.91
Hetch Hetchy	2.17	3.30	10.94	3.13	0.91	0.92	0.00	0.00	0.00	0.29	2.33	4.23	28.22
Hollister	0.38	1.26	3.28	0.85	0.20	0.00	0.00	0.00	0.00	0.00	1.39	2.21	9.57
Hot Springs	0.53	1.43	6.54	1.58	0.86	0.00	0.00	0.00	0.00	0.01	4.17	2.34	17.46
Hullville	6.58	4.70	11.42	2.93	0.12	0.09	0.00	0.90	0.15	0.85	6.96	7.38	41.18
Huntington Lake	1.69	2.39	7.51	1.91	1.39	0.01	0.00	0.00	0.00	0.19	2.87	3.61	21.57
Idria	0.05	3.25	1.25	0.55	2.60	0.00	0.00	0.00	0.00	0.00	3.00	2.65	13.35
Imperial	0.00	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	T.	T.	0.28
Independence	0.01	0.06	0.34	0.06	0.77	T.	0.00	T.	0.00	T.	0.43	0.19	1.86
Indio	T.	0.59	0.04	0.00	T.	0.00	T.	T.	0.00	0.05	0.03	0.03	0.74
Inskip	5.89	6.33	20.02	5.46	0.35	0.25	0.00	T.	0.12	1.35	8.36	6.57	54.70
Jenny Lind	1.28	2.34	4.83	0.95	0.00	0.00	0.00	0.00	0.00	0.10	3.62	2.08	15.20
Julian	2.25	4.00	2.97	0.00	1.30	0.00	0.00	0.00	0.00	1.03	2.25		
Kennedy Mine	2.38	2.54	7.85	2.36	0.03	0.40	0.00	0.00	0.00	0.07	4.11	3.35	23.09
Kennett	9.31	6.66	10.65	6.02	0.22	0.00	0.00	0.10	0.32	1.58	9.62	6.80	51.28
Kentfield	7.18	4.32	10.98	2.99	0.08	0.00	0.00	0.00	T.	0.22	6.46	8.99	41.13
Kernville	0.17	0.78	1.13	0.25	0.48	0.00	0.00	0.00	0.00	0.00	1.85	1.81	6.47
King City	0.10	1.77	1.18	0.26	0.40	0.00	0.00	0.00	0.00	0.00	1.79	1.85	7.35
Kingsburg	0.26	0.76	1.53	0.30	0.04	0.00	0.00	0.00	0.00	T.	1.61	1.54	6.04
Kingston	0.30	0.74	0.01	0.00	T.	0.00	0.03	0.00	0.00	0.01	0.12	0.53	1.74
Knight's Landing	1.72	1.90	3.37	0.84	0.00	0.04	0.00	T.	0.00	0.15	2.51	3.08	13.61
La Grange	0.92	2.11	3.61	0.65	0.15	0.00	0.00	0.00	0.00	0.01	3.37	2.52	13.34
Laguna Beach			2.67	0.00	0.00	T.	0.00	0.00	0.00	0.24	0.87	1.62	
Lake Eleanor	3.13	3.81	14.15	3.86	0.82	0.84	0.08	0.00	0.00	0.26	3.54	4.22	34.71
Lakeport	3.45	3.53	7.28	1.32						0.28	4.42	3.92	
Lake Sebrina	0.78	1.22	1.37	0.67	3.82	0.10	0.04	0.21	0.00	0.32	1.08	1.83	11.44
Lake Spaulding	5.10	4.16	23.95	5.35	0.51	0.45	0.04	0.00	0.33	0.75	5.37	6.75	52.76
Lancha Plana	1.85	2.36	6.04	1.88	0.03	0.07	0.00	0.00	0.00	0.05	3.97	2.90	19.15
La Porte	4.71	2.17	18.29	5.28			0.00	0.04	0.34	1.03	7.07	5.84	
Las Plumas	4.14	6.75	12.83	2.69	0.00	0.01	0.00	0.00	0.00	0.25	6.78	6.48	38.93
Lathrop	0.52	0.86	2.32	0.62	0.01	0.00	0.00	0.00	0.00	0.00	1.99	2.02	8.34
Le Grand	0.62	1.43	2.52	0.50	0.00	0.00	0.00	0.00	0.00	0.00	3.07	1.84	9.98
Lemon Cove	0.78	1.26	1.99	0.25	0.47	0.00	0.00	0.00	0.00	0.00	1.89	2.46	9.10
Lick Observatory	2.14	2.25	9.97	2.08	0.06	0.08	0.00	0.00	0.00	0.01	3.18	4.48	24.25
Lindsay	0.68	0.81	1.45	0.37	1.13	0.00	0.00	0.00	0.00	T.	1.48	2.14	8.06
Livermore	1.46	0.89	3.43	1.43	0.45	0.00	0.00	0.00	0.00	T.	2.57	2.76	12.99
Llano	0.08	1.60	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.52	0.90	3.65
Lodi	1.05	1.34	4.00	1.48	0.26	T.	0.00	0.00	0.00	0.02	3.45	2.11	13.71
Long Beach	0.13	1.11	0.61	0.04	0.04	T.	T.	0.00	0.00	0.40	0.61	1.12	4.06
Los Alamos	0.12	2.99	2.54	0.23	0.92	0.00	0.00	0.00	0.00	0.23	2.79	2.18	12.00
Los Angeles	0.02	1.43	1.99	0.29	0.29	0.01	0.00	T.	0.00	0.29	1.67	2.70	8.69
Los Banos	0.16	1.14	1.44	0.43	0.06	0.00	0.00	0.00	0.00	T.	2.09	1.81	7.13
Los Gatos	2.23	3.73	6.02	2.22	0.05	0.00	0.00	0.00	0.00	T.	3.79	3.77	21.81
Lundy Lake	0.66	0.46	4.07	1.08	1.45	0.13	0.00	0.00	0.00	0.27	1.10	1.81	11.08
Lytle Creek	0.70	4.18	4.49	2.66	1.34	0.00	0.00	0.00	0.00	1.20	1.50	6.22	22.29
McCloud	4.37	5.56	10.01	3.86	0.54	0.49	0.00	0.35	0.28	1.21	7.83	7.11	41.61
Madera	0.44	0.87	1.89	0.73	0.12	0.00	0.00	0.06	0.00	0.00	2.44	1.39	7.88
Maricopa	0.13	0.65	0.20	0.22	1.08	0.00	T.	0.00	0.00	0.02	0.64	0.69	3.63
Mariposa	1.49	3.12	9.00	1.12	0.00	0.00	0.00	0.00	0.00	0.01	3.68	2.23	20.65
Marysville	1.78	2.58	4.73	0.88	0.00	T.	0.00	0.00	0.00	0.25	3.02	3.80	17.04
Mecca	0.00	0.25	0.04	0.00	T.	0.00	0.00	0.01	0.00	T.	T.	0.04	0.34
Merced	0.54	1.18	2.24	0.59	0.00	0.00	0.00	0.00	0.00	T.	3.18	2.00	9.73
Merced Falls	0.72	1.85	3.35	0.55	T.	0.00	0.00	0.00	0.00	0.00	2.98	2.47	11.92
Middlewater	0.44	0.44	0.23	0.24	0.93	0.00	0.00	0.00	0.00	0.10	0.48	0.86	3.72
Mill Creek (Amador Co.)	2.72	4.28	15.40	3.94	0.10	0.34	0.00	0.00	0.00	0.18	5.62	5.66	38.24
Mill Creek (San Bernardino Co.)	1.80	3.49	2.69	0.40	2.71	0.20	0.00	0.00	0.00	1.08	1.44	3.09	16.90
Mill Creek Ranger Station	1.35	3.58	3.11	0.58	1.96	0.00	0.00	0.00	0.00	1.36			
Mineral	4.25	2.32	15.36	3.69	0.20	0.36	0.00	0.02	0.65	1.88	6.82	6.53	42.08
Modesto	0.34	1.94	2.36	0.69	0.20	0.00	T.	0.00	0.00	0.05	2.13	1.65	9.36
Montague	1.26	0.60	3.11	0.83	0.78	0.35	0.57	T.	0.35	0.58	2.08	2.03	12.54
Mount Shasta	2.75	4.50	6.40	3.50	0.70	0.45	0.00	0.20	0.40	1.15	5.75	5.60	31.40
Mount Wilson	0.30	4.35	3.02	0.88	1.07	0.00	0.00	0.00	0.00	0.95	2.10	3.30	15.97
Napa	3.19	2.21	6.54	0.63	0.32	0.00	0.00	0.00	0.01	0.07	0.75	4.96	18.68
Needles	T.	1.70	0.02	T.	0.24	0.00	T.	0.12	T.	0.04	T.	0.50	2.62
Nevada City	2.79	4.30	16.06	3.96	0.73	0.17	0.00	0.00	0.08	0.33	6.84	6.02	41.28
Newman	0.20	2.04	2.77	0.26	0.00	0.00	0.00	0.00	0.00	0.00	2.94	3.51	16.98
Nicolaus	1.93	3.00	4.34	1.22	0.00	0.04	0.00	0.00	0.00	0.50	2.70	5.00	32.98
Norden	3.80	2.80	12.86	4.90	0.22	0.20	T.	0.00	0.00	0.41	3.35	5.67	38.16
North Bloomfield	3.63	4.43	16.23	3.28	0.70	0.35	0.00	0.00	0.11	0.41	3.35	5.67	38.16
North Fork	2.04	3.13	7.01	1.96	0.46	0.00	0.00	0.60	0.00	0.00	3.28	3.14	21.02
Oakdale (near)	0.53	2.13	3.41	0.79	0.15	T.	0.00	0.00	0.00	0.01	2.56	1.99	11.57
Oakland	2.74	1.70	6.39	1.65	0.49	0.00	0.00	0.00	0.04	0.10	3.72	5.37	22.20
Ojai	0.02	3.62	3.35	0.64	0.75	0.00	0.00	0.00	0.00	0.05	2.40	3.07	13.90
Orland	1.80	2.32	2.77	0.57	0.00	T.	0.00	0.00	T.	0.32	3.79	2.65	14.22
Orleans	7.37	3.36	10.67	5.95	0.00	0.48	0.00	0.00	0.00	3.48	6.03	8.06	45.40
Oroville	2.70	3.98	6.43	0.89	0.00	0.00	0.00	0.00	0.00	0.27	4.56	4.65	23.48
Oxnard	T.	1.22	1.76	0.06	0.92	0.00	0.00	0.00	0.00	0.23	1.21	2.79	8.19
Ozena	0.10	3.26	0.68	0.48	0.54	0.00	0.00	0.00	0.00	0.09	1.16	1.34	7.65
Palm Springs	0.00	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.34	1.05	2.44
Palo Alto	1.23	1.91	2.80	1.06	0.53	0.00	0.00	0.00	T.	0.01	1.75	2.53	11.82
Parkfield	0.33	1.70	1.84	0.18	0.99	0.00	0.00	0.00	0.00	0.00	1.60	2.96	9.60
Pasadena	0.09	3.35	2.22	0.74	0.53	0.24	0.00	0.00	0.00	0.68	1.93	3.01	12.79
Paso Robles	0.23	2.87	2.76	0.37	0.29	0.00	0.00	0.00	0.00	0.01	1.82	2.87	11.22
Pattiway	0.81	2.11	0.41	1.00	0.78	0.00	0.00	0.00	0.00	0.10	1.59	1.14	7.94
Petaluma	2.35	2.71	5.23	1.82	0.17	0.00	0.00	0.00	0.03	0.07	4.02	4.75	21.15
Piedra	0.98	1.42	2.97	0.63	0.05	0.00	0.00	0.00	0.00	T.	1.94	2.80	10.79
Placerville	2.67	3.08	13.16	2.81	0.00	0.00	0.10	0.00	0.00	0.02	3.20	4.10	29.14
Point Loma	0.23	0.55	0.75	0.16	0.33	0.21	T.	0.05	0.04	0.19	0.68	2.18	5.37
Point Reyes	2.42	1.92	3.90	0.78	0.20	0.03	0.09	0.04	0.11	0.34	2.16	3.38	15.37
Point Reyes Station	4.29	3.36	8.43	1.77	0.02	0.00	T.	0.00	0.05	0.27	3.56	6.22	27.96
Pomona	0.13	2.78	2.59	0.64	1.32	T.	0.00	0.00	T.	0.30	1.48	2.80	12.04
Porterville	0.52	0.96	1.25	0.37	1.17	0.00	0.00	0.00	0.00	0.00	1.53	2.69	8.49
Portola	1.80	0.30	4.30	0.75	0.04	0.01	0.00	0.00	0.00	0.00	1.30	0.95	9.45

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
California—Continued													
Priest Valley	0.59	3.78	3.13	0.86	0.55	0.00	0.00	0.00	0.00	0.00	3.29	4.13	16.33
Quincy	5.02	3.01	11.36	2.62	0.65	1.65	0.00	0.00	0.50	0.50	3.73	3.74	32.78
Ramona	0.66	2.64	1.35	0.28	0.58	0.08	0.00	0.06	0.00	0.47	1.11	2.72	9.95
Red Bluff	2.37	2.66	3.78	1.24	0.00	0.13	0.00	0.00	T.	0.14	5.75	2.87	18.94
Redding	3.03	3.82	8.39	2.00	0.16	0.12	0.00	0.05	0.17	0.08	6.99	4.39	29.92
Redlands	0.33	2.13	1.22	0.13	1.59	0.04	0.00	0.00	0.00	0.88	1.12	1.74	9.18
Represa	1.77	2.31	7.25	1.64	0.05	0.09	0.00	0.00	0.00	0.09	3.96	3.84	21.00
Rio Vista	1.68	1.59	4.86	1.10	0.30	T.	0.00	0.00	0.00	0.10	3.18	3.63	16.44
Riverside	0.77	2.21	0.89	0.10	0.94	0.00	0.00	0.00	T.	0.56	0.78	1.47	7.72
Rocklin	1.74	2.24	5.05	1.01	0.10	0.16	0.00	0.00	0.00	0.10	3.34	2.61	16.35
Ruth	6.41	3.07	12.18	------	------	T.	0.00	0.00	0.60	1.46	7.56	------	------
Sacramento	1.17	1.38	3.39	0.78	0.02	0.04	T.	0.00	T.	0.15	2.98	2.66	12.57
St. Helena	3.17	3.83	6.85	2.16	0.35	0.00	0.00	0.00	T.	0.12	4.75	5.86	27.09
St. John	2.10	2.54	3.78	0.51	0.00	0.03	0.00	0.00	0.00	0.26	4.44	3.27	16.93
Salinas	0.44	1.30	2.36	0.69	0.14	0.00	0.00	0.00	0.00	0.02	1.81	3.02	9.78
San Bernardino	0.74	2.65	1.39	0.51	1.10	0.00	0.00	0.00	0.00	0.82	1.10	1.99	10.21
San Diego	0.21	0.79	0.69	0.14	0.36	0.09	T.	0.03	T.	0.14	0.63	2.42	5.50
San Fernando	0.02	3.53	2.04	0.57	0.55	0.00	0.00	0.00	0.00	0.52	1.37	2.88	11.48
San Francisco	2.40	1.97	4.65	1.31	0.26	T.	T.	T.	0.03	0.13	3.35	4.89	18.99
San Jacinto	0.40	1.57	1.61	0.00	1.10	0.00	0.00	0.00	0.00	1.03	0.75	1.54	8.00
San Jose	0.98	1.78	2.12	0.96	0.15	0.01	0.00	0.00	0.00	0.01	2.47	2.40	10.88
San Luis Obispo	0.34	3.89	5.65	0.51	0.43	0.00	0.00	0.00	0.00	0.00	3.51	5.42	19.75
San Pedro	0.12	1.40	2.68	0.05	0.43	0.00	0.00	0.00	0.00	0.60	1.15	1.50	7.93
Santa Ana	0.29	2.33	2.06	T.	0.28	0.00	0.00	0.00	0.00	0.55	1.42	2.43	9.36
Santa Ana River	0.87	4.42	2.46	0.59	1.86	0.00	0.00	0.00	0.00	1.48	2.09	3.20	16.97
Santa Barbara	T.	1.95	2.46	0.17	0.50	0.05	0.00	0.00	0.00	0.10	2.46	4.41	12.10
Santa Clara	1.25	1.69	2.56	0.84	0.00	T.	0.00	0.00	0.00	T.	2.54	2.15	11.03
Santa Cruz	1.85	3.30	5.30	0.30	0.25	0.00	0.00	0.00	0.00	0.00	3.80	5.15	19.95
Santa Maria	0.22	2.51	3.99	0.19	0.71	0.00	T.	0.01	0.02	0.04	2.31	2.16	12.16
Santa Rosa	3.10	3.52	6.96	1.97	0.18	0.00	0.00	0.00	T.	0.34	4.28	5.02	25.37
Scotia	4.31	3.81	7.43	6.77	0.11	0.56	0.00	0.03	0.27	0.69	6.12	8.00	38.10
Scott Bar	3.85	1.36	6.88	2.43	1.11	0.53	0.00	0.00	0.98	0.62	3.55	5.82	27.13
Seriterre	1.94	4.19	7.93	1.35	0.00	0.43	0.00	0.00	T.	0.23	3.51	4.99	24.57
Seven Oaks	1.31	3.63	1.37	0.38	1.48	0.00	0.02	T.	0.00	1.87	1.70	3.36	15.12
Shield's Ranch	0.48	0.05	2.02	0.64	0.74	T.	0.05	0.00	T.	0.75	0.15	0.77	5.65
Sierraville	1.81	0.99	8.60	3.08	1.65	0.00	0.00	0.00	0.00	T.	1.63	3.25	21.01
Sonora	1.89	3.97	9.11	2.29	0.33	0.13	0.00	0.00	0.00	0.04	3.80	3.79	25.35
South Lake	0.69	0.59	1.28	0.64	3.64	0.15	0.00	0.28	0.00	0.57	0.85	1.50	10.19
Spreckels	0.43	1.22	2.39	0.56	0.07	0.00	0.00	0.00	0.00	0.00	1.86	2.33	8.86
Springville (near)	1.37	1.52	9.07	2.60	0.76	0.00	0.00	0.00	0.00	0.05	4.27	5.40	25.04
Squirrel Inn	0.70	5.26	2.56	0.06	1.76	0.00	0.00	0.00	0.00	0.30	0.85	5.64	17.13
Steele Swamp	1.57	0.75	2.10	1.40	0.09	1.67	0.19	0.18	0.44	0.38	1.96	1.15	11.88
Stockton (No. 1)	0.69	0.99	3.40	0.65	0.18	0.00	0.00	0.00	0.00	0.03	2.62	2.45	11.01
Stockton (No. 2)	0.66	1.01	3.50	0.80	0.15	0.00	T.	0.00	0.00	0.03	2.66	2.39	11.20
Stony Gorge Reservoir	2.08	3.26	2.66	0.87	0.08	0.00	0.00	0.00	0.00	T.	3.47	5.51	14.98
Sunnyvale	1.01	1.45	2.14	0.83	0.16	0.00	0.00	0.00	0.00	0.01	2.17	2.12	9.89
Susanville	1.27	0.72	4.89	1.41	0.01	0.40	0.00	0.00	0.25	0.12	1.03	1.98	12.08
Tahoe	1.92	1.11	12.20	3.63	0.10	0.28	0.19	0.00	0.01	0.27	2.12	4.00	25.83
Tehachapi	0.23	1.29	1.57	0.30	0.38	0.00	T.	0.00	0.00	T.	1.89	1.32	6.98
Tejon Rancho	0.40	1.00	0.85	0.20	1.15	0.00	0.00	0.00	0.00	T.	1.23	1.85	6.68
Three Rivers	1.30	1.93	3.55	1.00	0.78	0.00	T.	0.00	0.00	T.	2.33	3.37	14.26
Trona	0.00	1.19	0.27	0.00	0.70	0.00	0.00	0.00	0.00	0.04	0.26	0.84	3.30
Turlock	0.55	0.74	1.97	1.02	T.	0.00	0.00	0.00	0.00	0.00	2.64	1.99	8.91
Tustin (near)	0.31	1.48	1.86	T.	0.32	T.	0.00	0.00	0.00	0.54	1.53	2.07	8.11
Twin Lakes	4.71	4.30	5.94	------	0.50	0.00	0.05	0.00	0.00	0.20	2.25	6.69	------
Ukiah	4.40	5.22	8.99	2.99	0.10	0.00	T.	0.00	0.09	0.76	5.78	5.36	33.69
Upper Mattole	8.20	7.55	12.45	10.45	0.00	0.15	0.00	0.00	0.80	2.40	11.55	13.00	66.25
Vacaville	2.41	2.37	5.47	1.31	0.29	0.00	0.00	0.00	0.00	0.12	5.13	5.49	22.59
Ventura	0.00	1.51	2.33	0.10	0.33	0.00	0.00	0.00	0.00	0.08	1.29	3.25	8.89
Visalia	0.18	0.64	1.76	0.30	0.16	0.00	0.00	0.00	0.00	T.	1.44	1.88	6.36
Wallace	1.23	2.14	5.50	0.36	0.35	0.00	T.	0.00	0.00	0.05	4.05	2.30	15.98
Walnut Creek	2.58	1.01	5.48	1.89	0.34	0.00	0.00	0.00	0.00	0.04	3.51	3.93	18.78
Warner Springs	0.92	1.54	1.16	0.00	0.60	0.00	0.00	0.00	0.00	0.51	1.10	2.51	8.42
Wasco	0.33	0.55	0.58	0.14	1.28	0.00	0.00	0.00	0.00	0.00	1.15	0.84	4.87
Watsonville	1.09	2.22	4.47	1.42	0.10	0.00	0.00	0.00	0.00	0.07	2.65	3.68	15.70
Weaverville	4.36	2.91	7.27	2.62	0.20	T.	0.00	T.	0.22	1.06	5.74	4.02	28.40
West Branch	6.06	8.34	21.49	4.92	0.12	0.63	0.15	0.00	0.11	1.43	7.69	7.12	58.06
Westhaven	0.00	0.85	0.52	0.00	0.10	0.00	0.00	0.00	0.00	0.00	1.05	0.89	3.41
West Point	2.69	4.27	13.85	3.53	0.11	0.30	T.	0.00	T.	0.18	7.27	4.35	36.55
Westwood	1.59	1.71	7.25	1.82	0.32	0.10	0.11	0.01	0.01	0.58	2.91	1.91	18.32
Willows	2.26	2.64	2.79	0.41	T.	0.10	0.00	0.00	T.	0.25	3.88	2.65	14.98
Woodland	1.80	1.71	3.99	0.95	0.03	T.	0.00	0.00	0.00	0.12	2.84	3.09	14.53
Wrights	2.90	6.49	13.72	3.86	0.20	T.	0.00	0.00	0.00	T.	6.20	6.47	39.84
Yorba Linda	0.14	2.03	2.65	0.20	0.57	0.00	0.00	0.00	0.00	0.26	1.05	2.23	9.13
Yosemite	3.00	3.03	9.80	3.07	1.13	0.45	0.00	0.00	0.00	0.29	2.72	3.63	27.12
Yreka	1.66	0.96	3.95	1.03	0.10	0.20	0.08	0.00	0.52	0.81	2.29	3.58	15.18
Colorado													
Ames	0.38	2.21	2.11	1.03	2.42	0.96	2.09	2.65	0.76	2.05	2.92	0.62	20.20
Arriba	------	------	1.17	0.44	3.45	4.22	3.76	1.48	0.00	1.81	0.84	T.	------
Auldhurst	0.08	0.28	1.12	0.79	4.77	2.96	6.58	2.44	2.20	1.83	1.16	0.21	24.42
Blanca	------	0.17	0.09	T.	1.39	T.	0.57	1.67	0.52	0.00	0.15	0.32	------
Bloom	T.	0.94	1.21	1.10	6.46	4.62	------	------	0.50	------	1.86	0.13	------
Boulder	0.07	1.71	2.72	1.55	5.48	2.84	1.34	0.66	0.23	1.78	2.09	0.04	20.51
Buena Vista	------	0.03	0.46	------	2.35	0.46	3.32	------	0.14	0.41	0.99	0.23	------
Burlington	0.07	0.18	0.83	0.56	5.62	5.16	4.97	2.38	0.09	2.24	0.94	0.00	23.04
Calhan	T.	0.81	1.43	0.37	4.10	4.43	2.58	1.50	0.29	0.92	1.07	0.00	17.50
Canon City	0.05	0.35	1.27	0.36	4.23	0.65	1.41	0.54	0.23	0.27	1.28	0.17	10.81
Cascade	0.96	1.48	1.82	0.84	0.78	0.52	0.74	1.33	T.	3.64	3.12	0.84	16.07
Castle Rock	0.14	0.54	2.16	1.18	3.57	1.58	2.43	0.93	0.15	1.72	2.22	0.10	16.72
Cathedral	0.07	0.84	0.54	0.95	1.86	0.44	0.98	2.12	0.62	1.35	1.14	0.13	11.04
Cedaredge	0.11	0.10	1.17	0.65	1.86	0.61	1.76	1.10	0.32	2.62	1.34	0.33	11.97
Cheesman	0.04	0.41	1.47	0.75	3.09	1.19	2.44	0.74	0.46	0.93	1.53	0.13	14.08
Cheyenne Wells	T.	0.44	1.55	1.05	4.39	4.98	2.79	0.75	0.21	2.03	0.63	0.00	18.62
Collbran	0.27	0.14	2.70	0.93	2.15	0.93	0.41	1.33	0.93	2.80	1.88	0.36	14.63
Colorado Springs	0.00	0.09	2.22	0.36	4.46	1.61	3.20	0.48	0.31	0.19	1.46	0.13	14.51
Columbine	1.05	1.35	2.45	1.27	1.49	2.22	0.60	1.37	0.71	2.70	1.32	1.49	18.61
Columbine Ranch	1.32	0.14	2.70	0.20	3.33	1.42	1.57	2.02	1.32	1.98	2.85	2.10	20.95

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Colorado—Continued													
Cope	0.04	0.26	1.31	0.18	2.71	4.23	3.66	0.28	0.09	0.83	0.82	T.	14.41
Crested Butte	0.44	0.88	2.11	1.25	2.17	2.03	2.21	0.80	0.53	0.96	1.64	0.99	16.01
Cuchara Camps	0.08	3.12	2.84	5.49	3.97	1.81	2.19	2.48	0.58	0.60	4.89	0.44	28.49
Cumbres	0.33	2.42	4.14	2.24	3.70	0.06	3.22	1.73	0.34	2.20	4.61	1.65	26.64
Del Norte	0.03	0.11	0.44	0.25	1.21	0.33	1.52	2.50	0.05	0.15	1.00	T.	7.59
Delta	0.10	0.20	0.87	0.39	1.00	0.54	0.62	0.82	0.21	2.08	0.50	0.24	7.57
Denver	0.24	0.59	1.40	1.36	3.06	2.42	1.01	0.85	0.07	1.97	1.58	0.06	14.61
Dillon	0.39	0.90	3.32	1.66	3.85	1.51	1.49	1.30	1.53	1.48	1.48	0.43	19.34
Dolores	0.40	2.05	1.34	0.45	2.14	0.53	------	------	------	------	------	------	------
Durango	0.50	2.07	1.07	0.36	2.05	T.	1.60	2.42	0.19	3.97	3.42	1.55	19.20
Eads	0.00	0.70	1.87	1.55	6.56	3.66	3.42	0.43	0.73	2.44	1.04	T.	22.40
Echo Lake	0.25	0.52	1.77	2.21	5.21	1.00	3.06	1.32	0.48	1.26	1.88	0.16	19.22
Edgewater	------	------	0.19	1.47	3.44	1.21	0.52	0.75	0.00	2.15	1.54	T.	------
Elk Creek	0.29	0.63	2.27	1.22	5.35	1.24	5.03	1.98	0.76	1.48	1.71	0.09	22.05
Estes Park Fish Hatchery	0.21	1.12	1.90	2.09	3.56	1.56	1.49	1.26	0.24	0.42	2.20	------	------
Flagler	0.07	0.25	------	------	------	------	------	------	------	------	------	------	------
Fort Collins	0.26	0.52	1.38	0.98	3.35	2.73	0.83	0.69	0.09	1.50	1.15	0.06	13.54
Fort Lewis	0.51	1.70	1.53	0.37	1.26	0.02	2.12	1.51	0.63	2.97	2.89	1.14	16.65
Fort Lupton	0.06	0.22	0.79	0.70	2.50	4.13	2.39	0.72	0.39	1.57	0.78	0.03	14.28
Fort Morgan	0.00	0.08	0.38	0.42	2.32	4.00	3.80	0.43	T.	2.13	0.56	0.00	14.12
Fraser	0.99	1.09	2.58	1.75	3.11	2.39	1.44	0.59	1.01	1.95	1.40	------	------
Fremont Experiment Station	0.03	0.38	4.65	1.07	5.86	2.81	6.00	1.11	0.70	0.83	3.42	0.49	27.35
Fruita	0.20	T.	------	0.41	1.66	0.25	0.14	1.27	0.85	3.50	2.14	0.92	------
Garfield	0.67	1.67	3.17	2.22	1.19	0.63	1.18	0.69	0.94	1.44	3.63	2.91	20.34
Garnett	0.00	0.20	0.48	0.75	1.03	0.40	1.96	1.67	0.16	0.85	0.52	0.05	8.07
Glenwood Springs	0.67	0.15	1.83	0.20	0.96	0.98	0.08	1.93	1.15	1.49	1.06	1.03	11.59
Grand Junction	0.27	0.19	1.24	0.19	1.29	0.84	0.41	1.10	0.61	3.15	1.09	1.12	11.50
Greeley	0.08	0.15	0.54	0.87	2.87	6.04	2.78	1.39	T.	0.51	1.05	0.03	16.31
Grover (near)	0.10	0.05	0.13	0.03	3.08	1.71	2.56	0.30	0.18	------	0.40	0.00	------
Gunnison	0.24	0.28	0.61	0.62	2.28	0.83	1.76	1.19	0.33	1.17	1.63	0.61	11.55
Hartsel	0.05	0.29	0.28	0.10	1.65	0.75	2.55	1.62	0.70	0.17	0.44	0.05	8.65
Haswell	0.00	0.21	0.75	0.59	4.53	4.06	2.95	0.61	0.02	2.56	------	------	------
Hawthorne	0.25	1.49	2.53	2.34	7.26	2.25	3.86	0.30	0.28	2.46	2.71	T.	25.73
Haxtun	0.07	0.10	0.50	0.22	2.62	7.78	2.70	0.68	0.25	2.58	0.33	0.00	17.83
Hayden	1.00	0.42	1.63	0.50	------	------	------	------	------	------	------	------	------
Hermit (near)	0.47	0.99	1.06	0.54	1.12	0.30	1.68	3.21	1.12	3.98	2.24	0.00	16.71
Holly	0.00	0.45	1.72	1.54	4.54	3.35	3.29	1.54	0.04	2.70	1.10	T.	20.27
Holyoke	0.13	0.18	1.27	0.30	4.89	9.10	------	0.75	------	1.26	0.75	0.00	------
Howbert (near)	------	------	------	------	------	------	2.74	0.60	0.58	0.27	1.53	0.07	------
Huerfano (near)	0.00	1.05	1.60	2.00	3.50	1.15	2.42	0.20	------	0.50	3.60	0.50	------
Idaho Springs	0.09	0.48	1.14	1.16	2.78	0.50	2.70	0.60	0.29	0.74	1.22	0.05	11.78
Ignacio	0.33	1.25	0.88	0.49	0.79	0.00	2.00	3.08	0.25	1.82	2.31	0.78	13.98
Julesburg	0.13	0.07	0.37	0.24	2.95	7.64	5.43	0.81	0.42	1.27	0.73	0.02	20.08
Kassler	0.16	0.74	2.26	1.60	5.71	1.88	2.77	0.64	0.20	2.41	1.96	0.05	20.38
La Junta	T.	0.44	0.83	1.03	6.23	4.34	1.94	4.27	0.18	1.24	1.50	0.05	22.05
Lake Moraine	0.12	0.55	3.55	1.49	5.55	2.10	4.06	2.00	0.86	0.90	3.38	0.37	24.93
Lamar	0.00	0.36	1.42	1.24	5.50	3.55	2.40	1.02	0.35	3.07	1.20	0.00	20.11
Las Animas	0.00	0.09	0.23	0.74	4.90	3.32	------	0.65	0.37	1.81	------	------	------
La Veta Pass	T.	3.63	4.40	6.77	6.86	0.33	2.02	1.18	T.	0.69	5.85	1.67	33.40
Lay	0.54	0.40	1.90	0.37	1.15	0.85	0.24	0.91	0.43	4.19	1.28	1.19	13.35
Leadville	1.08	1.04	1.66	1.94	1.77	0.80	3.35	0.47	2.18	1.13	0.82	0.62	16.86
Le Roy	0.10	0.33	0.87	0.33	4.01	5.50	3.64	0.79	0.19	1.84	0.70	T.	18.36
Long Branch	0.00	0.50	0.36	0.14	2.84	3.93	2.35	0.43	0.04	1.03	0.83	T.	12.45
Longmont	0.10	0.26	1.16	1.03	2.75	3.12	1.16	0.92	0.21	1.59	1.05	0.09	13.44
Longs Peak	0.23	0.99	2.02	2.20	5.15	1.76	4.63	0.77	0.62	0.86	1.79	T.	21.02
Manassa	T.	0.10	0.59	0.35	1.06	0.37	1.12	1.51	0.10	0.08	1.00	0.02	6.30
Mesa Verde Park	0.16	2.06	1.26	0.74	2.08	0.03	0.57	0.86	0.56	2.80	1.77	1.18	14.07
Montrose	0.15	0.27	0.79	0.68	2.73	0.27	1.33	1.33	0.12	1.75	1.73	0.13	11.28
Monument	0.18	0.58	2.25	0.08	6.17	2.06	2.92	1.02	0.56	2.60	2.21	0.20	21.82
Morrison	0.00	1.10	2.00	0.40	3.30	0.00	2.30	0.35	0.20	1.90	1.30	0.60	13.45
Nast	1.44	1.28	3.36	1.68	0.53	0.30	------	0.10	0.10	1.72	1.59	0.97	------
North Lake	0.00	1.79	1.83	2.39	3.96	0.84	4.14	2.28	0.26	1.12	1.52	0.38	20.51
Norwood	0.33	1.30	1.56	0.87	2.19	1.28	------	------	------	1.60	2.13	0.10	------
Ordway	0.00	0.40	0.36	0.33	4.79	3.51	0.90	0.50	0.00	0.96	1.07	T.	12.82
Pagosa Springs (near)	------	------	------	------	------	------	------	------	------	------	4.10	0.95	------
Palisade Lake	0.33	1.86	1.47	1.25	1.38	------	1.02	------	------	------	------	------	------
Palisades	0.14	0.19	1.48	0.66	2.23	0.70	0.69	1.17	0.95	3.88	1.30	0.74	14.13
Paonia	0.46	0.51	2.49	0.94	2.14	0.91	1.47	0.92	0.36	2.14	2.24	1.11	15.69
Pearl	------	------	------	------	------	1.59	1.59	0.78	0.76	1.97	1.04	0.93	------
Peetz	0.06	0.40	0.66	0.39	2.59	8.84	5.15	2.86	0.25	2.66	0.86	T.	24.72
Penrose (near)	0.01	0.32	1.73	0.17	4.00	1.33	0.76	0.55	0.20	0.74	0.97	0.05	10.83
Pitkin	0.30	0.52	2.23	0.96	2.03	0.62	1.59	1.44	0.72	1.47	0.62	0.80	13.30
Pueblo	0.01	0.51	1.41	0.29	3.56	1.47	1.06	0.49	0.12	0.15	1.19	0.21	10.47
Pyramid	------	------	------	------	------	2.37	------	------	------	------	------	------	------
Rico	0.58	2.44	2.09	0.85	2.64	0.61	2.45	2.08	0.78	3.26	1.61	1.31	20.70
Rocky Ford	T.	0.12	0.82	0.44	5.42	3.45	0.94	1.92	0.05	1.24	0.84	0.00	15.24
Rugh Ranch	0.10	0.98	1.16	0.87	1.92	1.45	1.76	0.68	0.17	0.87	2.07	T.	12.03
Rush	0.00	0.28	1.03	0.23	3.45	3.85	1.67	0.68	0.26	0.31	1.08	0.02	12.86
Saguache	T.	0.50	0.90	0.17	1.49	0.41	0.64	1.58	0.70	0.40	0.87	T.	7.66
Sapinero (near)	0.89	1.60	3.72	1.45	2.97	1.72	0.92	1.25	0.57	2.10	2.18	1.01	20.38
Savage Basin	0.95	3.72	5.25	2.65	3.51	3.75	3.17	4.45	0.96	4.50	3.90	1.15	37.96
Sedgwick	------	0.20	------	------	------	------	------	------	0.30	1.95	0.70	0.02	------
Shoshone	0.06	------	------	0.64	1.14	1.80	0.88	2.08	1.44	1.02	1.17	0.72	------
Silver Lake	0.55	1.25	2.00	1.90	2.10	1.60	2.30	0.60	0.90	0.70	2.27	0.52	16.69
Silverton	0.56	1.44	2.61	1.29	2.67	1.62	1.75	3.43	1.26	3.58	2.01	0.58	22.80
Simpson	0.00	0.34	0.88	0.17	2.92	4.23	1.43	1.05	0.00	0.00	0.83	T.	11.85
Spicer	0.42	0.17	1.38	0.48	1.92	0.83	0.48	0.56	0.42	1.48	1.15	0.70	9.99
Springfield	0.00	1.00	1.00	1.90	6.35	4.43	2.80	1.80	0.60	4.05	1.35	0.40	25.68
Steamboat Springs	1.53	1.50	2.44	0.96	2.98	2.88	1.11	1.25	1.26	2.12	2.33	1.81	22.17
Sterling	0.18	0.18	0.34	0.74	4.76	4.07	2.98	1.18	0.18	1.73	0.49	0.00	16.83
Sunbeam (near)	0.16	0.10	0.77	0.20	1.93	1.14	0.40	0.61	0.24	4.54	0.72	0.21	11.02
Tacoma	0.53	1.12	1.00	0.45	2.50	0.15	0.66	1.80	1.11	3.29	4.38	0.90	17.89
Telluride	0.40	1.73	2.41	1.26	2.84	1.35	1.85	2.02	0.65	4.12	4.06	0.71	23.40
Terminal Dam	0.90	1.95	2.27	0.78	3.16	0.35	0.80	2.56	1.32	3.59	4.06	0.85	22.59
Trinidad	0.00	0.31	0.87	2.79	5.25	1.90	2.83	0.52	0.43	1.70	2.62	0.93	20.15
Trout Lake	0.60	2.60	3.35	1.25	3.33	1.60	2.59	3.01	0.93	3.30	2.99	0.79	26.34
Two Buttes	------	------	------	------	------	3.49	1.27	2.12	0.21	2.61	0.91	0.60	------
Utleyville	T.	0.46	0.75	0.70	6.54	3.94	3.11	1.97	1.10	5.66	1.03	0.32	25.58

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Colorado—Continued													
Victor	T.	0.52	0.12	-------	3.60	1.22	3.34	2.51	0.37	0.10	1.61	-------	-------
Waterdale	0.18	0.27	2.05	0.65	4.12	2.27	3.47	1.00	0.55	0.98	1.39	0.12	17.05
Wray	0.14	0.10	0.64	0.19	4.13	5.90	5.29	0.54	1.45	2.07	0.70	0.00	21.15
Yuma	0.14	0.30	1.11	0.21	2.71	6.57	4.05	1.73	0.57	0.91	1.62	T.	19.92
Connecticut													
Bridgeport	1.98	4.80	2.70	4.74	2.60	5.71	4.94	4.94	4.94	1.34	3.16	1.59	43.44
Colchester	2.43	4.95	3.28	3.94	2.06	5.25	7.11	5.20	3.20	3.88	1.81	3.66	46.77
Collinsville	-------	-------	-------	-------	-------	-------	-------	-------	-------	0.74	1.20	2.61	-------
Cream Hill	3.00	4.71	2.89	3.84	3.05	5.63	8.18	10.86	2.65	1.11	1.68	1.85	49.45
East Hartland	2.55	3.91	2.54	4.90	2.62	6.26	6.18	11.16	3.41	0.61	2.38	1.30	47.82
Falls Village	2.22	3.71	2.08	3.99	2.82	5.79	7.96	10.16	1.98	1.33	1.49	1.76	45.29
Hartford	2.29	4.04	3.11	4.71	1.97	4.41	4.88	4.08	4.20	1.09	1.88	0.92	37.58
Lake Konomoc	2.95	4.39	2.46	4.93	1.85	6.24	2.74	3.88	3.51	4.83	1.49	5.21	44.48
New Haven	1.92	4.90	2.98	5.11	2.26	6.09	7.86	3.51	3.85	1.38	3.59	1.60	45.05
New London	2.06	4.71	2.89	5.30	2.12	5.29	5.07	3.08	3.80	-------	5.05	1.40	-------
Norfolk	-------	-------	-------	-------	2.69	-------	-------	-------	-------	-------	1.65	-------	-------
North Grosvenor Dale	2.54	3.29	1.38	2.29	1.51	5.37	6.07	5.48	3.27	2.83	2.41	2.10	38.54
Norwalk	1.88	5.50	2.82	4.57	2.08	7.16	6.11	3.54	4.20	1.25	3.02	1.05	43.18
Storrs	2.17	2.26	2.31	4.33	1.24	4.43	6.78	5.17	2.60	2.41	2.09	2.00	37.79
Waterbury	1.02	4.04	2.96	4.38	2.20	5.69	6.34	4.18	3.66	1.53	1.72	1.86	39.58
Delaware													
Bridgeville	2.77	2.72	2.68	5.89	1.55	5.19	3.13	6.92	7.91	0.75	1.46	2.57	43.54
Delaware City	2.35	3.03	2.57	5.10	2.65	6.08	5.76	14.75	4.59	1.16	1.64	2.26	51.94
Dover	3.15	3.12	3.30	6.52	2.48	4.61	4.05	13.62	8.73	0.62	2.53	2.24	54.97
Milford	3.19	2.60	2.81	6.42	1.71	5.04	4.64	10.51	7.14	1.45	1.76	2.81	50.08
Millsboro	3.04	3.28	2.97	5.54	2.41	6.03	4.73	6.05	6.65	1.42	1.30	2.65	46.05
Wilmington	2.71	4.45	2.55	5.78	2.23	7.28	6.99	8.16	4.40	1.39	1.61	2.19	49.74
District of Columbia													
Washington	2.63	2.69	2.17	4.49	4.00	2.66	2.17	14.41	4.29	0.67	2.01	1.21	43.40
Florida													
Apalachicola	0.61	8.00	13.97	18.62	2.31	5.42	4.75	12.06	6.21	4.85	0.55	2.07	79.42
Arcadia	0.31	0.84	2.41	1.45	4.11	7.19	10.03	12.36	8.33	1.76	T.	0.36	49.15
Avon Park	0.26	1.14	3.12	3.66	3.51	6.90	13.01	9.66	10.64	2.05	1.03	0.35	55.33
Bartow	0.79	1.36	2.23	4.48	3.07	10.16	10.43	12.83	16.61	1.53	0.04	0.39	63.92
Belle Glade	0.31	1.66	3.83	1.78	2.61	9.20	8.11	11.31	-------	-------	1.07	0.25	-------
Blountstown	1.78	6.72	8.00	12.79	1.06	11.20	6.22	6.19	7.78	2.12	1.98	2.00	67.84
Bluff Springs	0.81	9.30	5.81	12.74	3.37	7.55	2.62	4.33	4.75	5.22	0.93	3.77	61.20
Bonifay	-------	7.35	6.37	20.25	1.55	7.66	6.68	2.68	8.62	2.27	1.95	2.35	-------
Bradenton	0.91	2.43	1.83	4.54	2.22	7.31	8.41	18.14	17.31	3.12	T.	0.79	67.01
Brooksville	0.53	1.30	3.47	14.49	2.11	11.64	9.87	17.13	9.41	1.03	0.05	0.88	71.91
Carrabelle	1.59	7.38	10.59	15.83	4.36	7.48	9.16	10.97	12.78	3.42	0.20	1.90	85.06
Cedar Keys	1.60	1.82	3.39	6.35	0.82	2.58	7.18	7.35	14.62	1.56	0.79	1.42	49.48
Chapman Field Garden	0.55	1.90	0.66	1.45	6.56	5.85	1.62	7.58	16.92	1.64	0.74	0.89	46.36
Clermont	0.69	1.13	2.16	9.40	4.23	3.49	9.17	10.35	12.71	0.58	0.08	0.68	54.67
Coral Gables	0.38	2.07	0.83	0.51	5.68	5.56	1.91	7.75	-------	3.52	0.51	0.71	-------
Cottage Hill	1.10	7.94	4.52	12.32	4.46	10.52	8.24	6.22	8.00	5.32	1.05	3.83	73.52
Crescent City	0.69	1.35	2.27	9.72	4.86	2.23	9.26	5.63	16.35	2.54	0.38	1.93	57.21
Davenport	0.95	0.79	3.61	6.49	3.79	3.83	6.69	13.83	13.86	0.74	0.07	0.15	54.80
Davie	0.97	0.62	2.64	2.20	5.88	8.32	2.45	18.43	-------	5.82	2.13	3.48	-------
Daytona Beach	0.98	1.44	3.08	4.35	5.94	5.26	4.99	3.53	7.34	3.17	0.21	0.80	41.09
DeFuniak Springs	0.66	8.28	8.04	16.64	1.67	7.15	12.27	4.40	6.63	2.76	1.72	3.50	73.72
De Land	0.89	0.98	3.54	7.66	3.61	3.95	8.39	6.05	12.44	3.74	0.48	1.11	52.94
De Soto City	0.14	0.94	3.30	3.55	2.48	6.82	14.05	8.52	14.43	1.30	0.05	0.75	55.33
Eustis	1.03	0.88	3.30	7.07	3.23	3.57	4.96	6.94	14.91	3.39	0.22	1.23	50.73
Everglades	0.02	0.00	0.77	2.49	2.76	8.85	10.95	11.81	15.21	2.58	0.06	0.86	56.36
Federal Point	0.92	1.64	2.39	8.38	4.22	8.21	8.49	4.09	17.29	3.59	T.	1.03	60.25
Fellsmere	0.48	2.80	4.32	2.57	7.03	4.44	11.11	-------	15.71	7.31	0.94	0.76	-------
Fernandina	0.95	3.10	4.75	10.81	4.41	6.66	5.34	4.34	10.40	4.76	0.62	1.18	57.32
Fort Lauderdale	1.46	0.71	1.80	1.92	7.13	6.84	3.98	13.09	16.35	4.12	1.43	1.40	60.23
Fort Myers	0.23	2.05	0.51	1.44	2.61	9.10	12.26	14.00	11.78	3.22	0.71	0.30	58.21
Fort Pierce	1.04	1.27	3.56	0.25	3.88	3.98	2.84	14.22	-------	3.50	1.70	0.35	-------
Gainesville	1.26	2.73	2.91	8.52	4.50	7.64	9.23	11.91	9.38	1.41	0.22	1.03	60.74
Garniers (near)	0.64	8.67	5.57	12.33	1.69	7.47	8.83	8.00	7.66	6.18	1.60	3.57	72.21
Glen St. Mary	0.41	-------	-------	-------	-------	5.41	8.24	5.67	13.21	1.88	0.95	2.02	-------
Hastings	0.90	1.74	2.45	9.08	5.54	5.94	6.43	3.17	20.82	3.73	0.30	1.09	61.19
Hilliard	0.42	3.91	-------	13.75	2.75	7.67	17.44	6.15	-------	1.94	-------	-------	-------
Homestead	0.59	2.58	2.56	0.61	5.36	6.88	9.06	14.94	12.49	5.34	1.83	2.68	64.92
Hypoluxo	0.67	0.41	2.12	3.45	3.35	5.97	5.08	12.77	-------	6.06	1.46	0.79	-------
Inverness	-------	-------	-------	-------	-------	-------	6.70	-------	9.36	0.98	0.07	-------	-------
Isleworth	0.90	1.33	3.80	8.77	3.56	6.05	5.24	9.56	9.25	0.73	-------	0.56	-------
Jacksonville (Weather Bureau)	0.68	3.54	4.38	8.19	2.33	4.10	8.96	5.85	9.25	2.33	0.67	1.34	51.62
Jacksonville (No. 2)	1.14	4.35	5.09	-------	-------	-------	-------	-------	-------	-------	0.48	2.57	-------
Jupiter	1.72	1.19	4.35	1.84	4.41	3.67	5.63	19.67	-------	7.30	2.07	0.09	-------
Key West	0.20	0.07	0.34	1.74	1.50	2.61	1.73	5.25	9.13	4.55	2.34	2.26	30.72
Kissimmee	-------	-------	3.66	8.30	2.59	7.98	8.86	8.48	-------	-------	-------	-------	-------
Lake Alfred	0.64	0.80	2.80	5.67	3.43	5.24	6.68	13.92	14.25	1.66	0.13	0.31	55.53
Lake City	0.43	6.90	7.98	10.40	5.42	8.99	5.66	8.71	8.27	2.95	0.40	2.10	68.21
Lake Kerr	0.55	1.54	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
Lakeland	0.64	0.96	5.49	7.71	3.87	4.16	8.70	11.97	10.53	0.89	0.05	0.56	55.53
Lake Wales	-------	-------	-------	-------	-------	-------	-------	-------	17.39	1.92	0.02	0.48	-------
Live Oak	-------	-------	8.58	12.16	3.62	7.32	-------	-------	-------	-------	-------	-------	-------
Long Key	0.60	0.63	2.06	0.54	2.33	3.77	2.89	8.96	9.86	4.05	1.99	0.99	38.67
Madison	0.86	4.90	8.72	12.34	3.97	5.91	8.48	14.97	6.70	1.08	1.14	1.88	70.95
Mammoth Grove	0.49	1.21	3.10	5.41	3.62	4.59	12.59	19.10	18.80	2.30	T.	0.45	71.66
Marianna	0.37	7.09	7.43	12.94	2.76	5.61	5.09	5.40	7.28	1.94	1.29	2.19	59.39
Merritts Island	0.69	0.97	4.87	6.90	1.38	7.15	2.09	7.15	14.90	5.90	0.30	1.11	53.91
Metts	1.35	9.95	4.82	10.32	1.31	9.61	7.20	9.36	6.46	5.86	1.23	3.68	71.15
Miami	0.42	2.02	0.45	0.42	10.67	6.14	3.65	9.75	17.00	3.63	0.42	0.74	55.31
Miami Beach	0.14	-------	1.08	0.91	5.85	2.93	1.32	7.04	10.56	3.20	0.29	0.32	-------
Middleburg	0.30	4.06	3.48	11.75	3.92	7.83	7.18	3.96	13.77	4.05	0.12	2.03	62.45
Monticello	1.11	7.13	8.28	9.21	4.87	9.27	8.71	22.19	9.60	1.67	1.57	2.86	86.47
Moore Haven	0.42	2.31	2.46	1.52	4.19	8.12	5.43	11.82	14.60	0.47	0.97	0.31	52.52

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Florida—Continued													
Mount Pleasant		4.95	7.97	9.86	1.42	3.72		10.87	5.75	4.04	0.70	1.92	
New Smyrna	0.85	0.93	4.15	5.48	3.89	5.86	4.99	3.98	8.66	3.33	0.23	0.53	42.88
Niceville	0.68	8.26	9.25	12.38	1.20	5.80	7.20	6.82	6.49	6.67	0.46	3.44	68.65
Ocala	0.70	1.19	6.11	7.76	2.85	8.08	10.07	9.73	11.80	3.04	0.20	1.59	63.12
Okeechobee	0.33	1.18	6.49	1.20	2.97	9.60	3.58						
Orlando	0.79	0.89	4.07	8.97	3.77	4.06	7.71	10.89	13.22	0.91	0.37	0.69	56.34
Palatka	0.90	1.25	2.01	9.05	5.03	7.33	7.38	4.68	19.28	3.29	0.15	1.58	62.83
Panama City	0.66	7.31	7.36	12.81	3.54	5.78	8.94	8.27	9.83	5.30	2.41	2.42	74.63
Penny Farms	0.49	2.88	2.97	10.06	4.41	8.98	8.81	5.33	13.06	5.71	0.31	1.09	64.10
Pensacola	0.88	7.51	4.18	8.73	3.35	4.60	6.56	7.28	6.71	4.93	1.44	3.60	59.77
Pinecrest												0.47	
Pinellas Park	0.40	1.32	3.52	5.40	1.40	6.89	4.58	14.97	14.17	1.54	0.10	0.78	55.07
Plant City	0.74	1.10	5.21	6.56	4.08	11.34	10.77	12.53	9.41	1.89	0.10	0.86	64.59
Punta Gorda	0.27	0.56	1.98	2.83	3.59	10.39	7.98	19.56	14.15	2.20	0.19	0.27	63.97
Quincy	1.36	6.93	6.89	14.76	2.22	6.19	6.87	7.98	6.11	6.72	1.15	1.98	69.16
Ralford	0.46	4.47	3.95	12.08	6.64	9.17	7.69	5.13	10.83	1.66	0.60	2.17	64.85
Ramer Creek		7.58	8.53	13.30									
Ritta	0.34	0.47	4.09	2.45	2.85	7.81	8.68	11.89					
St. Augustine	1.06	0.68	3.45	8.36				4.55	7.24	4.08	1.87	1.40	
St Cloud							10.20	17.39	13.35	1.40	0.31	3.79	
St. Leo	0.65	1.06	2.92	11.22	4.63	12.61	5.33	12.49	12.61	0.95	0.08	0.31	64.81
St. Petersburg	0.66	1.16	3.75	4.76	3.79	7.91	4.09	13.25	13.39	1.22	0.15	1.19	55.32
Sanford	0.70	1.13	4.04	6.68	5.71	7.14	8.63	4.86	13.55	2.27	0.30	0.83	55.84
Starke (near)	0.69	2.75	4.06	11.03	3.99	7.07	7.12	4.90	14.21	4.09	0.33	1.64	61.88
Tallahassee	1.55	7.48	7.16	11.68	1.63	5.77	5.94	13.46	8.29	2.32	1.54	2.71	69.53
Tampa	0.59	1.09	2.67	4.31	2.42	11.13	4.54	7.89	10.07	2.88	0.05	0.56	48.20
Tarpon Springs	1.08	1.24	3.86	6.66	2.60	6.64	12.47	17.06	12.60	2.47	0.09	0.17	67.00
Titusville	0.58	0.70	6.68	5.37	4.16	5.82	5.65	7.32	13.36	5.59	0.30	0.64	56.17
Venice	0.74	0.66	1.54	1.07				13.30	10.42		0.07		
Venus							14.65	10.65	10.81	2.04	0.10	0.16	
Vernon	0.73	7.70	7.05	9.11	3.26	4.48	6.26	6.23	7.38	2.44	1.04	3.55	59.23
Georgia													
Abbeville	0.94	8.49	6.30	10.93	1.45	4.76	5.76	12.83	8.63	0.62	1.10	1.61	63.42
Alapaha	0.81	8.22	7.12	8.90	2.09	4.48	2.52	14.43	9.25	0.49	1.34	2.55	62.26
Albany	2.33	7.80	5.78	12.96	1.48	7.79	4.02	7.98	9.67	1.27	0.81	3.04	64.93
Americus	0.80	4.95	7.48	11.55	0.64	6.38	5.12	8.87	8.45	1.73	0.57	2.72	59.26
Athens	1.70	4.39	4.33	5.49	5.79	6.59	5.48	7.52	8.10	2.26			
Atlanta	2.83	2.50	5.69	5.42	5.97	5.75	8.60	4.01	3.16	2.19	1.21	0.82	48.15
Augusta	0.75	3.84	4.35	6.40	6.37	2.97	3.66	8.44	7.47	1.91	0.30	2.34	50.80
Bainbridge	0.96	6.89	8.40	8.55	1.33	5.62	6.20	11.11	6.47	2.43	1.26	2.32	61.54
Blakely	0.65	7.93	8.93	14.85	1.49	7.03	5.43	6.42	8.38	3.33	1.15	3.62	69.21
Blue Ridge	2.67	2.59	9.56	4.02	7.53	9.98	11.88	6.40	5.73	2.07	3.11	1.93	67.17
Brooklet	0.68	10.02	8.53	9.19	2.28	5.57	5.22	6.39	9.77	3.77	0.44	1.25	63.11
Brunswick	0.72	5.23	5.86	7.66	1.88	8.46	8.53	5.29	19.11	2.75	0.46	1.48	67.43
Butler	0.69	4.16	6.64	12.38	1.14	6.35	4.48	10.50	8.33	2.44	0.68	2.74	57.53
Canton	2.40	4.68	6.48	6.11	7.62	7.47	6.63			3.52	1.40	0.77	
Carlton	1.64	3.54	4.98	6.42	5.82	5.75	5.41	12.41	6.78	3.30	0.62	1.34	58.01
Clayton	3.34	4.26	7.15	7.42	6.50	10.56	5.80	13.30	9.55	7.35	2.50	0.70	78.43
Columbus	0.93	3.82	4.98	10.77	2.61	8.42	4.34	5.68	2.42	1.77	0.99	2.38	49.11
Concord	1.25	3.36	8.15	9.46	4.93	6.84	11.47	9.80	2.41	2.23	0.88	2.11	62.89
Cornelia	3.38	3.17	5.57	5.58	5.36	4.58	10.11	8.84	3.26	3.68	1.26	0.79	55.58
Covington	1.15	3.36	6.35	7.19	4.44	4.64	6.51	10.42	4.57	2.15	1.21	1.58	53.57
Dahlonega	3.28	4.16	6.29	4.94	8.78	8.06	10.99	8.25	4.26	5.17	1.18	1.57	66.93
Double Branches	0.90	4.25	3.45	6.81	4.82	3.20	8.22		6.09	1.51	0.59	1.58	
Dublin	2.20	6.39	6.35	8.30	3.59	2.82	10.07	14.07	10.27	1.38	0.50	2.76	68.70
Eastman	0.90	8.81	8.09	8.94	2.75	3.81	8.45	13.43	6.80	1.22	0.80	1.60	65.60
Fair View	0.99	3.70	6.06	8.53	3.78	6.39	4.80	14.35	4.04	3.10	1.06	2.26	59.06
Fargo			5.61	10.96	4.08	6.16	8.17	8.12	13.16	1.04	1.77	1.66	
Fort Gaines	0.90	7.17	4.95	10.49	2.77	5.53	5.89	5.76	9.65	0.97	0.44	2.71	57.23
Fort Valley	0.72	3.96	7.93	11.18	2.19	7.22	8.10	10.57	4.86	2.08	0.43	2.62	70.86
Gainesville	3.20			5.04		6.87	4.06	9.40	2.79	2.57	0.58	1.49	
Gillsville	2.89	3.90	4.88	5.29	8.71	5.64	3.50	8.76	3.28	2.13	0.52	1.57	51.07
Glennville	0.46	8.12	5.70	6.36	1.81	4.19	8.24	4.34	7.86	2.56	0.59	1.88	52.11
Goat Rock	1.23	4.45	5.77	9.22	1.92	4.68	2.38	4.43	1.74	1.12	0.85	1.78	39.57
Greensboro	1.14	3.44	5.55	5.89	4.66	5.94	5.56	15.76	5.31	4.12	0.98	2.16	60.51
Griffin	1.10	3.74	7.71	7.93	3.97	4.54	4.43	9.72	1.37	1.99	0.70	1.43	48.63
Hartwell	2.74	3.34	4.99	6.27	6.37	3.43	5.61	11.08	5.32	2.09	0.38	1.76	53.38
Hawkinsville	1.19	6.20	7.88	8.44	1.25	5.60	4.73	11.08	11.49	1.79	0.28	1.84	61.77
Hazlehurst	0.45	7.79	8.98	10.62	2.67	7.37	7.20	9.11	13.13	0.66	0.25	2.00	70.23
Louisville		5.86	5.75	5.44	4.91		9.18	10.19	3.91	1.04			
Lumber City	2.27	7.50	8.82	13.50	3.25	5.76	10.12	9.52	11.44	0.46	0.90	1.85	75.39
Macon	0.59	3.54	5.21	8.02	3.43	4.41	5.48	20.52	3.73	2.30	0.73	2.75	60.71
Marietta	2.52	3.16	5.80										
Marshallville		3.74											
Milledgeville	1.11	3.76	5.88	7.52	6.59	6.01	8.63	14.79	5.06	1.59	0.61	2.12	63.67
Millen	1.15	6.24	4.18	8.23	5.12	3.46	6.65	8.87	7.05	0.80	0.15	1.97	53.87
Montezuma	1.37	4.06	5.04	9.76	0.85	6.72	7.25	14.15	5.26	1.49	0.52	3.09	59.56
Monticello	0.88	4.07	7.18	7.56	4.80	6.93	4.37	11.80	7.23	2.87	0.95	2.26	60.40
Moultrie	0.85	6.87	7.49	7.65	1.16	3.82	8.19	16.75	7.22	0.97	1.48	2.38	64.83
Newnan	1.15	3.89	6.95	7.74	5.91	7.80	5.84	7.74	1.96	2.57	0.78	1.61	53.94
Norcross	2.85	3.84	5.25	5.85	6.34	5.78	3.85	7.75	4.80	1.49	0.87	1.31	49.98
Quitman	0.43	7.10	7.61	8.63	2.26	5.44	9.40	20.17	6.56	0.78	1.37	2.77	72.52
Resaca	2.19	2.89	8.71	6.05	3.70	7.23	4.27	5.84	4.98	3.46	2.10	1.67	52.89
Rome	2.15	3.29	5.65	5.48	4.32	5.43	5.74	3.45	5.56	2.06	1.72	1.48	46.93
St. George	0.72	4.83	6.12	9.52		4.36	9.54	6.64	21.28	2.53	0.15	1.48	
Savannah (Weather Bureau)	0.39	0.69	7.16	4.12	1.23	4.15	6.02	6.29	16.87	0.77	0.90	1.08	55.67
Savannah (No. 2)			6.70	5.64	1.41	5.73	8.60	3.76	16.37	0.70	0.84	1.19	
Stillmore	0.67	8.35	8.42	7.79	4.36	5.40	10.12	7.04	12.14	2.13	0.52	1.45	68.39
Talbotton	1.15	4.97	5.15	9.03	3.33	7.93		8.01	3.60	2.72	1.40	2.32	
Tallapoosa	1.39	3.74	6.37	8.80	4.60	9.37	8.95	5.47	4.46	1.70	2.48	1.71	59.04
Thomasville	0.94	5.41	9.77	7.92	2.08	4.94	10.45	13.75	8.02	1.66	1.10	1.84	67.88
Tifton	1.36	7.39	5.55	11.57	3.41	4.27	7.93	18.36	6.72	0.40	1.11	2.83	70.90
Toccoa	2.83	3.92	5.22	5.88	7.41	3.90	4.64	9.23	3.19	3.96	0.63	0.94	51.75
Toccoa Ranger Station	3.09	2.93	7.14	5.89	6.76								
Valdosta		6.00	7.31	8.56	1.81	4.62	9.01	15.54	8.84	0.80			
Warrenton	1.29	4.82	4.89	6.63	4.90	7.07	4.90	10.28	6.71	3.70	0.48	2.56	58.23
Washington	1.13	3.58	4.10	5.04	4.98	4.99	4.65	10.18	5.51	3.12	0.79	1.78	49.85

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Georgia—Continued													
Waycross	0.36	6.88	6.47	8.16	3.45	7.60	9.22	7.27	10.39	3.95	0.80	1.48	66.03
West Point	1.49	3.89	6.32	11.21	6.14	8.38	4.20	9.20	4.36	2.65	0.97	2.01	60.82
Woodbury	0.81	3.50	6.58	9.39	5.51	6.08	9.10	7.00	3.25	1.44	1.05	2.64	56.35
Idaho													
Aberdeen	0.28	0.34	1.05	0.17	0.51	1.19	0.23	0.16	0.15	1.44	1.79	1.05	8.36
Alpha	2.89	0.73	6.15										
Arco		0.18	0.45		0.58				T.	0.87	1.35		
Arrowrock	2.41	0.44	3.78	1.03	0.63	0.16	0.10	0.12	0.56	1.21	0.98	2.52	13.94
Ashton	0.91	0.79	0.88	0.25	1.11	1.90	0.44	0.40	0.42	0.63	1.85	0.92	10.50
Atlanta	4.50	0.39	5.21	1.65	0.20	0.27	0.06	0.30	0.30	1.22	0.97	3.12	18.19
Avery	5.77	1.69	6.09	3.68	0.90	2.48	0.56	0.72	0.25	2.18	2.19	2.34	28.25
Big Smoky					0.13	0.52	0.31	0.20	0.11				
Big Springs	0.81	0.38	2.97	0.45	0.88	3.41	1.04	1.12	0.93	1.63	1.21	2.36	17.19
Bismark Ranger Station						2.74	1.98	0.95	0.03				
Blackfoot	0.31	0.63	0.60	0.28	1.44	2.08	0.36	0.33	0.12	0.79	1.59	1.30	9.83
Bliss	0.79	0.07	1.85		0.03	0.04	0.01	0.07	0.03	0.57	0.57	0.86	
Bogus Creek	4.03	0.91	5.50	1.94	0.04	T.	0.33	0.09	0.91	1.78	0.87	1.95	18.35
Boise	1.96	0.82	2.46	0.79	0.01	0.44	0.13	0.02	0.25	0.78	0.76	1.11	9.53
Bonners Ferry			2.81	1.60	1.38	1.74							
Bostetter Ranger Station						2.84	0.20	0.50	T.	2.14			
Buhl	0.51	0.17	1.71	0.36	0.04	0.42	0.14	0.06	0.02	0.61	0.83	0.67	5.54
Bungalow	7.97	1.17	8.08	6.77	0.53			0.48	0.27		2.41	2.59	
Burley	0.70	0.16	2.26	0.39	0.34	1.13	0.38	0.08	0.00	0.91	0.99	1.05	8.39
Burley Factory	0.55	0.18	2.02	0.44	0.41	1.19	0.35	0.11	0.00	0.98	0.73	0.50	7.46
Caldwell	2.60	0.86	1.38	0.55	T.	0.10	0.03	0.00	0.16	0.39	0.70	0.65	7.42
Cambridge	2.71	0.68	3.58	1.52	0	0.45	T.	0.03	0.37	0.73	1.40	2.59	14.06
Challis	0.34	0.12	0.58	0.15	0.84	0.97	0.04	0.26	0.16	0.29	0.46	1.01	5.22
Chattins Flat [1]	0.33										1.32	0.34	
Coolin			4.20	3.52		2.28	1.42	0.49	T.	2.92	2.43	3.76	
Cottonwood	2.47	0.26	2.93	2.43	0.76	1.60	0.52	1.20	1.02	1.25	0.90	0.65	15.99
Council	2.25	0.90	4.98	2.57	0.05	0.40	0.18	0.13	1.17	1.48	1.85	2.47	18.43
Deer Flat	2.97	0.40	0.73	0.07	0.01	0.00		0.00	0.08	0.07			
Dubois	T.		0.55		0.10	0.92		T.	0.15				
Emmett	2.33	0.73	2.72	0.95	T.	0.12	0.00	0.00	0.08	0.69	0.53	1.49	9.64
Falls Ranger Station			2.87	3.05	0.66	1.23	1.62	0.30	T.	3.65	2.93	4.44	
Felt	0.92	0.73	1.34	1.20	1.61	2.21	1.70	T.	0.45	0.67	1.31	0.62	12.76
Fort Hall	0.43	0.47	1.25	0.44	1.00	1.20	0.27	0.21	0.02	0.77	1.77	1.05	8.88
Garden Valley	4.22	0.33	2.13	1.14			0.09	0.03	0.30	1.61	0.56	1.73	
Geneva	0.22	0.18	0.89	1.33	0.54	1.32	0.79	0.00	0.40	0.94			
Gibbs	2.95	0.21	3.51	1.60	1.15	1.35	1.18	0.04	0.11	0.86	2.37	3.37	18.70
Glenns Ferry	0.36	0.35	2.11	0.37	0.00	0.02	0.12	0.00	0.03	0.27	0.78	0.29	4.70
Gooding	0.43	0.02	2.26	0.23	0.26	0.58	T.	0.14	0.04	0.96	0.92	1.14	6.98
Grace	0.65	0.33	1.15	1.40	1.52	1.90	0.43	0.20	0.17	1.66	1.17	0.72	11.30
Grangeville	1.65	0.60	2.92	2.01	0.86	1.01	0.96	0.96	1.75	2.58	1.25	1.50	18.65
Grays Lake	0.71	0.08	1.39	1.07	2.00	2.73	0.27	0.41	0.14	1.10	1.50	0.16	11.56
Grimes Pass	3.48	0.78	5.30	1.49	0.15	0.77	0.27	0.15	0.62	2.25	0.91	2.97	19.14
Hailey	0.36	0.52	1.41	0.31	0.35	0.49	0.16	0.19	0.00	1.00	1.63	2.06	8.48
Hazelton	0.96	0.31	2.72	0.32	0.44	1.09	0.04	0.02	0.08	1.11	0.72	1.02	8.83
Hill City				0.14	0.26	0.37	T.	T.	T.		0.08		
Hollister	0.42	0.40	1.86	0.42	0.20	1.70	0.13	0.00	0.03	0.86	0.81	0.55	7.38
Idaho City	3.10	0.90	4.26	1.19	0.72	0.13	0.00	0.00	0.00	1.48	0.80	3.09	15.67
Idaho Falls	0.57	0.39	0.79	0.08	0.79	2.03	0.29	0.25	0.14	1.26	1.78	1.28	9.65
Indian Cove											0.70	0.32	
Irwin	1.89	0.72	2.08	0.44	1.00	3.28	0.60	1.14	0.10	0.99	1.02	0.52	13.78
Jerome	0.61	0.19	1.87	0.33		0.45	0.01	0.11	T.	0.73	0.58	0.81	
Kamiah	3.35	0.50	2.87	3.06	0.17	1.41	0.47	0.29	1.09	1.59	1.05	1.07	16.86
Kellogg	3.95	0.61	5.13	3.00	1.39	1.27	0.31	0.00	0.15	1.85	2.73	2.53	22.92
Kirkham			4.75	1.73	0.60	0.41	0.22	0.68	0.33	1.43	0.47	3.17	
Kooskia	3.97	0.45	2.74	2.93	0.46	1.60	0.59	0.61	2.07	1.87	1.45	1.01	19.75
Kuna	1.75	0.57	1.67	0.59	0.04	0.44	0.20	T.	0.08	0.47	0.82	0.88	7.51
Lapwai	4.06	0.46	2.23	2.17	0.35	1.11	1.18	0.10	0.18	1.67	1.18	0.59	15.28
Lewiston	2.46	0.18	1.47	0.98	0.25	1.03	0.88	0.03	0.26	0.94	0.39	0.39	9.24
Lifton	0.33	0.42	1.79	1.16	1.13	1.57	1.05	0.01	0.33	1.74	1.48	0.62	11.63
McCall	3.18	0.52	3.70	2.47	0.15	0.43	0.50	0.08	0.42	1.58	0.88	1.71	15.62
Mackay	0.25	0.50	0.40	0.27	0.91	0.46	0.99	1.10	0.17	0.60	1.12	0.90	7.67
Malad	0.32	0.27	2.31	0.88	0.60	0.93	0.41	0.05	0.00	1.87	0.99	1.07	9.70
Meridian	1.65	0.90	2.33	0.76	0.12	0.36	0.10	T.	0.18	0.66	0.72	1.04	8.82
Milner Dam	0.36	0.35	1.60	0.41	0.14	1.43	T.	T.	T.	0.72	0.78	0.90	6.69
Montpelier	0.62	0.54	2.75	1.13	0.64	1.85	0.89	0.01	0.07	2.53	1.82	1.06	13.91
Moscow	3.20	0.33	4.05	1.88	0.49	0.56	1.02	0.07	0.31	1.22	1.37	1.18	15.68
Mountainhome	0.85	0.15	1.55	0.67	0.25	0.33	0.00	0.02	T.	0.67	1.23	0.96	6.68
Mud Lake			0.13			1.63				0.19	1.30	1.09	
Mullan	2.61	0.50	6.15	3.88	1.13	1.68	1.22	0.00	0.16	2.65	2.63	3.09	25.70
Murphy												0.30	
Murtaugh	1.08	0.31	2.48	0.74	0.77	1.49	0.14	T.	0.01	1.53	0.44	0.85	9.84
Musselshell		0.84	6.24	5.16	0.35	1.74	0.42	0.10	1.23	2.90	2.09		
New Meadows	1.86	0.38	3.31	2.32	0.00	0.28	0.44	0.12	0.84	1.33	1.36	1.78	14.02
Nezperce	2.16	0.16	1.79	1.41	0.66	2.14	0.51	0.95	1.39	1.63	1.47	0.25	14.52
Oakley	0.42	0.36	1.73	0.56	0.73	1.64	0.54	0.20	0.00	1.20	0.64	0.95	8.97
Obsidian	2.23	0.36	2.78	1.38	0.19	0.72	0.48	0.45	0.19	0.87	0.92	2.48	13.05
Orofino	3.71	0.16	4.58	3.37	1.00	1.30	2.00	0.03	0.50	2.63	1.70	0.22	21.20
Parma	1.93	0.65	0.76	0.71	T.	0.05	T.	T.	0.05	0.29	0.41	1.00	5.85
Payette	2.16	0.53	1.25	0.64	0.10	0.10	0.06	0.00	0.07	0.65	0.76	1.27	7.58
Pete King Ranger Station	4.85	0.64	6.30	4.66	0.76	1.86	0.50	0.26	1.53	2.93	1.51	1.68	27.48
Pine	2.29	0.09	4.40	1.48	T.	0.50	T.	0.28	T.	1.42	1.98	2.87	15.31
Pocatello	0.46	0.41	1.59	0.74	1.53	1.00	0.29	0.12	0.22	0.97	1.34	1.10	9.77
Porthill	1.05	0.18	2.80	1.02	1.12	1.58	1.15	0.70	0.03	1.90	1.10	1.71	14.34
Potlatch	3.21	1.20	4.35	2.06	0.49	0.35	0.71	T.	0.27	1.15	1.45	1.61	16.85
Prairie	1.95	0.10	4.14	1.25	0.15	0.90	0.00	0.00	0.45	1.65	1.07	1.95	13.61
Preston	0.48	0.29	3.17	0.85	0.74	1.90	0.59	0.16	0.27	1.81	1.76	0.61	12.63
Prichard	5.13	0.25	7.17	3.46	1.04	1.55	0.22	0.45	0.00	2.58	3.07	3.86	28.23
Priest River	1.90	0.74	4.66	2.80	0.81	1.79	1.66	0.60	0.05	3.12	2.50	3.76	24.39
Pyle Creek	3.91	0.38	4.48	2.30	0.16	0.48	0.46	0.04	0.36	2.07	0.79	2.49	17.92
Riggins				2.32	0.22	0.69	0.19						
Roland	5.75	1.00	8.96	4.52	1.32	1.44	0.70	0.81	0.19	3.34	3.23	4.50	35.76

[1] Changed to Grand View with December report.

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Idaho—Continued													
Rupert	0.46	0.14	1.34	0.28	0.05	1.41	0.28	0.00	T.	0.60	0.94	1.00	6.50
St. Maries	2.85	0.24	2.62	1.10	0.59	0.33	0.20	0.17	0.30	1.41	1.90	2.04	13.75
Salmon	1.01	0.12	0.65	0.53	0.13	0.57	0.73	0.56	0.46	0.76	0.09	0.72	6.13
Sandpoint	1.43	0.58	4.86	3.40	0.77	2.09	1.18	0.27	0.04	3.41	2.87	3.69	24.89
Seafoam	4.10	0.55			0.04	1.35	0.39						
Sheep Hill	3.80	0.68	5.26	1.55	0.22	0.26	0.04	0.11	0.63	1.02	0.73	3.08	17.38
Shoshone	0.60	0.22	2.46	0.32	0.44	0.59	0.11	0.08	0.06	1.11	0.99	1.03	8.01
Smith Creek	1.30	0.50	1.80	1.30	0.00		0.04	0.56	1.04	1.90	0.94	2.40	
Smith Ferry						0.84	0.20	0.10	1.78				
Soldier Creek	1.13	0.21	2.94	0.67	0.19	0.52	0.76	0.15	T.	2.03	1.52	3.33	13.45
Spencer	0.56		1.00									1.14	
Springfield	0.24	0.22	0.84	0.35	1.04	1.44	0.02	T.	0.05	1.01	2.35	1.21	8.77
Stanley	1.99	0.45	2.66	0.87	0.25	0.65	0.64	0.19					
Sugar	0.49	T.	0.39	T.	0.52	2.17	0.37	0.34	0.09	0.44	1.55	0.16	6.52
Tripod Mountain	4.10	1.30	3.20	1.60	T.	1.10	T.	0.30	1.00	1.50	1.05	2.70	17.85
Twin Falls	0.83	0.33	2.18	0.40	0.16	1.06	0.11	T.	T.	0.85	1.06	0.76	7.74
Twin Falls Factory	0.61	0.31	2.25	0.59	0.20	1.13	0.14	T.	T.	1.05	0.40	0.71	7.39
Wallace	3.54	0.88	7.39	4.57	1.25	1.61	0.99	0.44	0.16	3.16	3.18	3.83	31.00
Warren	2.32	0.99	3.05	2.40	0.41	2.17	1.34	0.98	1.19	1.95	1.22	2.61	20.63
Weiser	2.25	0.37	1.93	0.75	0.00	0.49	0.01	0.01	0.01	0.79	0.54	1.39	8.54
Illinois													
Aledo	0.41	1.79	2.43	4.59	2.73	5.07	5.76	4.40	2.35	4.63	4.70	1.73	40.59
Anna	1.73	3.57	1.85	6.10	2.63	18.21	0.52	4.64	T.	8.19	6.00	3.32	56.76
Astoria	0.05	1.79	0.45	3.34	2.95	6.71	3.54	0.60	4.16	3.15	3.36	1.91	32.01
Aurora	0.42	1.43	1.52	2.88	1.34	4.47	4.90	4.75	1.02	4.01	3.97	2.69	33.40
Beardstown	0.29	1.27	0.94	3.12	2.24	7.44	4.09	3.22	3.90	3.15	2.84	1.95	34.45
Benton	1.60	2.35	1.33	3.17	1.46	9.79	3.01	5.97	0.58	5.64	3.50	2.58	40.98
Bloomington	0.75	2.04	1.30	2.35	2.42	5.17	3.11	2.70	3.92	3.77	3.39	2.44	33.36
Brookport												2.63	
Cairo	1.65	2.58	1.23	5.76	1.75	15.70	1.43	3.95	0.14	5.13	3.30	3.26	45.88
Carbondale	1.86	3.48	1.32	4.61	3.11	15.72	1.89	6.69	0.09	8.47	4.82	2.62	54.68
Carlinville	1.40	2.84	2.02	4.43	3.41	6.76	6.38	2.03	3.20	3.25	1.96	2.54	40.22
Carmi	1.92	2.23	1.45	4.56	3.27	9.23	2.46	3.90	0.58	7.59		2.29	
Casey	2.17	4.69	2.15	2.20	6.24	7.18	3.95	4.06	1.70	4.86	1.99	2.54	43.73
Charleston	1.67	3.32	1.20	2.70	4.53	8.08	2.44	2.84	2.98	2.99	2.05	3.00	37.80
Chester	1.39	1.09	2.21	3.87	3.50	12.71	1.10	6.34	0.03	3.47	3.44	2.36	42.11
Chicago (University)	0.73	1.57	1.50	2.84	1.59	6.97	2.95	5.03	1.87	2.74	4.00	2.63	33.92
Chicago (Airport)			1.39	2.01	1.69	6.64	3.61	3.93	1.72	2.70	4.05	2.60	
Clinton	0.92	2.34	1.78	3.26	2.32	5.09	4.23	1.52	3.89	5.59	3.01	2.08	36.03
Danville	2.69	2.09	0.81	2.34	3.18	4.51	5.59	2.57	3.38	1.90	1.54	2.04	32.64
Decatur	1.65	2.60	1.74	3.87	2.92	4.88	3.95	2.01	3.55	3.86	2.41	2.96	36.40
Dixon	0.68	1.10	1.80	2.55	2.19	7.46	6.70	6.24	1.93	3.37	5.59	2.24	41.85
Duquoin	1.54	2.86	1.04	3.05	2.24	10.29	2.04	3.80	0.93	5.81	3.91	3.01	40.52
Dwight	0.53	1.68											
Edwardsville	1.82	2.37	1.50	2.92	0.94	7.61	1.73	4.19	1.03	3.65			
Effingham	2.34	4.14	1.55	2.57	4.04	8.15	3.24	7.13	1.51	3.75	2.07	3.61	44.10
Elgin	0.71	1.47	1.44	3.46	2.44	5.21	3.59	5.40	3.56	3.57	4.95	2.63	38.43
Fairfield	1.31	4.09	1.05	2.59				3.62	1.26	4.31	3.23	2.64	
Fairview	0.20	1.14	0.78	2.93	2.46	6.02	4.18	4.27	3.23	3.64	4.48	1.56	34.89
Flora	1.84	3.06	1.74	2.57	2.99	8.62	2.37	2.76	1.55	5.81	3.72	3.32	40.35
Freeport	0.43	1.19	1.98	2.92	1.57	5.98	3.02	4.98	0.69	4.29	6.08	1.83	34.96
Galena	0.22	1.09	2.43	2.30	1.69	5.44	3.74	7.00	1.40	4.97	4.50	1.05	35.83
Galesburg	0.32	1.58	1.95	3.94	1.55	7.66	4.78	2.75	1.46	3.87	4.91	1.95	36.72
Galva	0.44	1.69	1.65	3.77	2.63	5.98	5.01	2.89	2.61	4.69	5.48	1.76	38.60
Geneseo	0.44	1.76	2.11	4.20	1.63	5.33	5.90	3.43	1.77	4.42		1.66	
Golconda	1.79	3.75	1.67	5.26	2.27	12.86	0.52	2.44	0.05	5.40	4.70	3.18	43.89
Golden	0.35	1.18	1.79	2.43	2.83	5.33	5.99	1.60	4.29	4.16	3.00	1.37	34.32
Grafton	1.31	1.99	1.46	4.50	2.23		3.07	2.88	2.26	4.07	1.85	1.92	
Grand Chain	1.35	2.67	1.48	5.07	1.95	14.13	0.60	3.37	T.	5.35	4.78	3.43	44.18
Greenville	1.54	2.30	1.28	3.54	2.90	7.75	4.13	2.47	1.70	4.21	1.78	2.14	35.74
Griggsville	0.56	1.60	0.94	3.74	3.04	6.00	4.10	2.99	4.24	5.07	3.78	1.85	37.91
Harrisburg	1.80	2.71	1.25	5.88	2.80	13.95	3.59	4.70	T.	7.38	4.10	2.79	50.95
Havana	0.32	1.58	1.46	3.50	2.43	6.33	4.50	1.35	3.58	2.85	3.71	1.97	34.10
Henry	0.36	1.62	1.07	3.00	2.35	4.47	1.47	2.48	2.39	2.79	4.34	1.63	27.97
Hillsboro	1.56	2.94	1.93	3.89	1.19	7.86	5.08	3.16	3.00	3.41	1.83	2.67	38.42
Hoopeston	1.78	1.97	0.96	1.92	2.14	6.33	3.96	1.98	2.62	2.67	2.08	1.84	30.25
Jacksonville	0.77	1.86	0.65	3.95	4.87	7.31	6.31	2.41	6.05	4.27	2.35	1.71	42.51
Joliet	0.61	2.40	1.44	2.10	1.87	3.89	4.84	3.49	2.10	2.71	4.32	2.55	32.32
Kankakee	0.65	1.59	1.21	2.35	1.53	6.15	5.89	2.10	2.08	3.51	3.58	2.34	32.98
La Harpe	0.49	1.82	1.17	3.43	3.36	4.81	3.32	2.64	5.70	3.64	5.67	1.82	37.87
La Salle	0.44	1.49	1.20	2.24	1.75	6.08	3.51	4.45	2.64	2.06	3.69	2.44	32.59
Lincoln	0.88	2.22	1.25	2.61	3.41	4.48	4.15	1.28	3.75	3.83	2.88	2.54	33.28
Macomb	0.46	1.21	1.12	3.14	3.16	4.03	2.49	1.89	3.02	3.22	4.86	1.77	30.37
McLeansboro	1.85	2.22	1.42	3.61	3.30	8.51	3.13	3.50	0.48	6.32	4.77	2.85	41.96
Marengo	0.52	0.83	1.62	3.39	1.46	6.73	2.73	3.98	2.01	3.58	5.15	2.06	34.06
Mascoutah	2.10	2.82	1.87	4.39	1.63	6.33	3.36	3.06	1.10	2.90	3.04	2.58	35.18
Minonk	0.43	1.85	0.89	1.73	1.84	4.65	2.09	4.02	2.22	3.07	3.52	2.47	28.78
Monmouth	1.08	1.43	1.43	3.39	1.35	6.48	3.17	3.65	2.93	3.80	5.18	1.71	35.60
Morris	0.48	1.63	1.18	2.32	2.36	4.28	5.00	4.66	3.13	3.06	4.35	2.32	34.77
Morrison	0.33	1.26	1.81	3.54	1.45	4.56	6.57	5.21	1.47	4.21	4.83	1.79	37.03
Morrisonville	1.71	2.13	1.85	3.37	2.91	7.66	4.71	1.00	2.36	4.45	1.49	2.21	35.85
Mount Carmel	2.16	2.62	1.63	4.12	3.67	10.04	0.34	1.95	0.42	5.84	5.76	2.60	41.15
Mount Carroll	0.07	1.54	2.19	1.84	1.55	5.09	2.77	6.03	1.02	4.58	4.62	1.82	33.12
Mount Vernon	1.77	3.43	1.46	3.16	5.28	10.85	1.49	5.02	2.02	6.69	3.64	3.53	48.34
Nashville	1.38		2.32	3.68	3.10	7.54	2.59	4.38	1.40	3.66	2.75	2.31	
New Burnside	2.02	2.97	1.62	7.13	3.00	16.15	2.31	2.96	0.44	6.68	4.94	3.00	53.22
Newton	1.49	5.88	3.58	2.48	2.09	9.05	3.94	6.06	2.08	5.39	2.90	2.58	47.52
Olney	1.55	3.92	1.60	2.93	2.79	7.24	3.40	3.35	2.16	5.59	3.53	2.36	40.42
Oregon	0.66					7.86	2.43	4.84	1.42	3.01	5.31		
Ottawa	0.38	1.50	0.99	2.23	2.33	5.10	3.56	3.65	1.45	3.01	4.36	2.11	30.67
Palestine					3.68	7.99	1.11	2.49	1.63	4.04	5.33		
Paris	1.70	2.62	1.97	2.67	3.91	7.95	3.34	1.64	2.38	4.62	1.57	2.59	36.96
Pawpaw	1.64	4.26	1.62	2.31	3.63	6.95	2.50	3.70	2.13	3.40	2.25	2.18	36.57
Pearl	0.57	1.51	1.74	2.56	1.63	6.32	5.15	3.56	2.46	3.21	4.98	2.23	35.89
Peoria	1.21	2.11	0.87	3.69	2.72	6.43	2.16	3.45	2.19	4.54	2.15	1.52	33.03
Pontiac	0.36	1.73	0.96	2.84	3.21	6.60	4.35	3.62	3.18	3.66	3.97	2.53	37.01
	0.52	1.79	1.19	2.71	1.57	3.33	3.14	1.72	1.10	3.74	3.08	1.60	25.49

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Illinois—Continued													
Quincy	0.49	1.93	0.88	3.58	2.10	5.44	1.08	4.54	3.22	4.14	5.62	1.50	34.52
Roberts	0.81	1.40	1.32	2.30	1.31	3.68	5.98	3.52	3.38	3.92	3.15	2.16	32.93
Rochelle	0.52	1.14	2.02	2.75	1.88	5.89	7.42	4.21	1.62	3.40	5.26	2.17	38.28
Rockford	0.46	0.81	2.49	3.39	1.22	6.50	2.35	4.58	1.53	4.13	5.83	1.82	35.11
Rushville	0.23	1.31	1.24	2.61	2.68	7.21	5.30	1.68	4.72	3.74	3.69	1.50	35.91
Salem	1.69	3.66	2.72	3.06	2.47	8.11	3.84	6.47	1.41	4.35	2.82	2.49	43.09
Shawneetown	1.49	2.44	2.06	5.36	3.09	11.69	1.27	2.34	0.18	6.57	3.88	2.88	43.25
Sparta	1.42	1.84	2.00	3.95	2.86	8.20	3.21	2.68	0.24	3.15	2.72	2.34	34.61
Springfield	1.02	2.42	1.14	2.88	4.61	5.06	3.09	0.73	3.35	3.72	1.79	1.94	31.75
Sycamore	0.85	1.57	2.01	3.19	1.51	6.10	5.15	5.49	2.15	3.94	5.75	2.22	39.93
Tiskilwa	0.24	1.34	1.19	2.78	1.36	5.48	4.64	2.35	1.48	3.07	5.80	2.36	32.09
Tuscola	2.18	3.74	1.47	3.85	4.67	6.03	2.59	3.30	4.91	3.55	2.70	3.21	42.20
Urbana	2.18	2.28	1.45	3.16	2.48	4.65	3.59	2.77	3.65	2.34	1.88	2.53	32.96
Walnut	0.67	1.19	1.91	2.96	1.94	4.73	5.08	3.41	2.18	3.89	4.65	1.73	34.34
Warsaw	0.39	1.86	1.57	2.77	2.18	4.35	2.88	3.61	4.26	8.28	5.06	2.82	40.03
Waterloo	1.65	2.47	1.79	3.97	2.89	9.70	3.48	1.82	1.53	1.70	2.84	2.39	36.23
Watseka	1.07	1.51	1.49	3.15	2.09	4.98	6.96	4.83	1.33	1.85	1.58	2.68	33.52
Waukegan	0.78	0.90	1.95	3.71	1.99	6.17	3.34	4.08	2.02	3.43	4.96	3.00	36.33
White Hall	1.32	1.65	0.71	3.92	2.24	7.26	2.46	1.96	1.31	5.04	2.23	1.63	31.73
Windsor	1.72	3.23	1.68	3.92	3.25	6.08	3.46	2.48	2.00	4.08	2.25	3.09	37.24
Indiana													
Albion	1.14	1.51	1.07	1.51	1.50	3.69	1.55	4.93	1.19	1.32	3.32	1.66	24.39
Anderson	1.49	2.60	3.15	2.75	3.38	7.94	5.58	2.29	1.23	2.05	3.38	1.74	37.58
Angola	1.74	1.83	1.49	2.26	2.94	4.91	2.41	3.17	1.59	1.68	3.91	2.20	30.13
Bedford	2.24	4.66	1.38	4.30	3.05	5.69	1.99	4.81	1.08	5.05	3.80	2.66	40.71
Berne	2.00	2.93	2.49	2.06	1.87	6.33	5.79	1.54	0.33	1.80	3.40	1.76	32.30
Bloomington	2.15	4.57	1.59	4.19	3.10	6.55	3.34	5.70	1.27	4.50	3.03	2.10	42.18
Boonville	1.94	2.49	0.99	4.92	2.93	9.33	0.63	3.47	0.13	5.63	3.73	2.63	40.71
Bluffton	2.18	2.94	2.35	2.15	2.51	8.09	4.10	2.43	0.13	1.71	3.05	1.47	33.11
Brookville	1.63	3.82	1.23	3.32	1.96	7.53	1.36	3.41	1.49	2.80	4.19	1.98	34.72
Butlerville	2.86	5.19	1.27	4.53	1.73	7.27	3.53	4.12	0.37	4.42	4.34	2.37	42.00
Cambridge City	1.67	3.31	2.31	3.92	2.61	7.81	3.21	2.27	0.83	3.25	3.38	2.09	36.66
Collegeville	1.39	1.77	1.70	1.44	1.81	4.28	4.32	3.71	1.17	2.31	2.37	1.65	27.92
Columbia City	1.66	2.36	1.45	2.17	2.73	5.27	4.18	2.70	0.89	1.61	2.72	2.00	29.74
Columbus	1.91	4.74	1.15	4.30	1.55	6.22	4.60	3.40	0.70	4.22	3.04	2.53	38.36
Covington	1.98	2.16	1.23	1.62	3.28	6.33	8.58	4.45	2.43	2.66	1.53	2.05	38.30
Crawfordsville	1.77	2.53	1.16	2.00	3.42	6.65	5.66	4.50	3.28	2.24	1.83	2.01	37.05
Decker	1.43	2.72	0.83	2.72	4.11	8.10	0.78	2.03	0.86	6.52	3.18	1.44	34.72
Delphi	1.37	2.45	1.32	1.50	3.46	8.51	4.75	4.28	2.05	1.69	1.96	1.89	35.23
Edwardsport	1.60	3.05	1.55	3.89	4.98	6.05	1.93	4.90	1.61	5.28	3.87	2.25	40.96
Elliston	1.63	3.42	1.96	3.72	3.78	7.30	1.52	3.66	1.49	4.95	4.09	2.61	40.13
Evans Landing	2.49	2.67	2.27	3.81	3.40	13.18	3.56	3.77	0.70	5.01	3.07	3.16	47.09
Evansville	1.42	2.59	1.04	5.23	5.11	9.78	1.82	1.41	0.25	6.59	3.13	2.78	41.15
Farmersburg	1.02	2.81	1.86	1.71	2.50	8.57	2.57	4.52	0.95	5.05	2.87	1.57	36.00
Farmland	1.57	2.18	3.05	3.08	3.37	8.93	3.65	2.07	0.10	2.55	3.26	1.04	34.85
Forest Reserve	1.47	2.72	3.53	3.88	3.30	10.17	3.63	4.61	1.18	3.87	3.96	2.61	44.93
Fort Wayne	1.51	2.05	1.47	2.00	4.42	3.85	4.32	1.96	0.56	1.83	2.67	1.75	28.39
Fowler	1.26	2.26	1.21	1.27	2.30	7.21	3.04	2.92	2.23	2.33	1.76	1.44	29.23
Frankfort	1.98	2.55	0.61	2.04	2.69	7.61	5.02	4.50	2.28	1.81	2.33	1.86	35.26
Goshen	2.08	1.54	1.20	1.30	1.75	5.13	2.51	5.03	1.87	2.56	3.55	1.45	29.97
Greencastle	2.34	4.79	3.64	3.24	3.20	9.63	4.36	4.12	2.37	4.31	4.19	2.53	48.72
Greenfield	1.11	0.81	2.48	3.21	2.71	7.19	3.07	2.94	0.55	4.69	3.74	2.13	34.63
Greensburg	2.20	4.53	1.41	3.64	2.43	4.84	3.86	4.04	0.54	3.20	3.84	2.22	36.75
Hamlet	[1.10]	1.09	1.21	2.29	1.57	4.15	4.82	5.16	1.68	3.91	2.08	2.09	31.36
Hickory Hill	1.82	4.44	1.61	3.40	1.73	5.07	2.86	3.13	1.13	5.23	3.12	2.22	35.76
Hobart	0.65	1.56	1.15	1.65	1.73	3.21	4.49	4.70	1.99	3.64	3.59	2.76	31.12
Howe	1.89	1.75	1.62	2.03	2.05	8.03	3.13	4.01	2.01	2.33	3.63	2.45	34.93
Huntingburg	1.84	3.40	1.71	4.94	4.18	9.20	2.58	5.03	0.99	6.28	4.07	2.48	46.70
Huntington	1.77	2.44	1.08	0.67	2.42	2.79	5.05	[2.78]	0.79	1.05	[2.94]	[1.68]	25.46
Indianapolis	1.74	3.44	2.44	2.76	3.04	8.77	3.07	3.81	0.92	2.93	3.66	2.19	38.77
Jeffersonville	2.24	2.75	2.76	4.73	5.84	7.71	3.02	3.67	0.99	4.46	3.15	3.27	44.59
Kokomo	1.86	2.75	2.03	2.03	3.46	7.38	3.42	4.53	1.00	1.73	2.27	1.94	34.40
Lafayette	1.89	2.18	1.32	1.87	3.67	9.82	3.54	2.66	2.59	1.81	2.04	1.63	34.92
La Porte	1.35	1.63	1.46	2.30	2.78	3.36	2.94	4.84	2.12	3.88	4.10	2.65	33.41
Leavenworth	1.39	2.12	2.55	3.54	4.12	9.65	2.00	2.88	0.82	4.91	2.99	2.83	39.80
Logansport	2.20	2.22	1.30	1.46	4.09	5.50	5.01	3.73	0.80	1.93	2.19	1.70	32.13
Madison	2.25	3.80	2.59	4.17	3.76	10.50	3.48	3.50	0.82	4.60	3.69	3.11	46.86
Marengo	[1.78]	3.36	1.89	4.36	5.02	10.82	2.35	6.52	1.40	5.03	4.60	3.35	50.48
Marion	2.58	2.47	3.44	2.34	2.19	7.53	3.72	3.12	0.57	1.62	3.19	1.60	34.37
Martinsville	1.99	3.40	1.92	2.68	2.79	5.24	1.89	3.37	1.12	5.58	2.92	2.50	35.40
Mauzy	1.71	3.86	2.71	3.57	3.04	6.94	2.41	3.44	1.24	4.38	3.30	2.20	38.80
Monticello (near)	1.81	1.43	1.06	1.55	2.95	4.59	3.80	3.51	0.86	1.90	1.70	2.34	27.50
Moores Hill	2.76	3.33	1.22	4.06	1.39	7.53	4.06	2.83	0.60	3.15	4.66	2.52	38.11
Mount Vernon	2.12	2.46	2.60	4.34	5.23	8.94	2.31	2.33	0.25	5.41	3.72	2.24	41.95
Muncie	1.80	2.50	3.40	2.92	2.50	6.95	5.77	2.17	1.46	3.11	2.92	1.85	37.35
Noblesville	1.42	2.81	1.10	2.59	3.75	9.42	3.98	3.62	1.45	3.59	3.55	2.05	39.33
Notre Dame	2.22	1.57	1.28	1.81	2.10	6.55	2.68	[5.61]	[3.26]	1.99	3.29	2.05	34.41
Paoli	1.11	1.90	0.61	3.80	5.39	6.86	3.73	4.02	1.03	4.17	2.46	1.74	36.82
Plymouth (near)	1.48	1.33	1.17	1.50	2.06	4.26	2.68	5.75	1.98	2.64	1.72	0.98	27.55
Princeton	1.96	3.62	1.65	4.40	3.99	7.66	2.14	2.29	0.71	5.73	4.06	2.85	49.76
Richmond	1.78	2.96	2.13	3.25	2.39	8.31	2.99	2.78	0.54	3.59	2.99	1.84	35.55
Rochester	1.91	2.86	0.19	1.49	[2.36]	[4.97]	4.63	7.57	0.56	1.37	2.14	1.63	31.68
Rockville	2.01	3.68	1.85	2.52	3.37	7.56	4.33	3.50	3.81	3.27	2.10	2.05	40.05
Rome	2.23	2.98	3.22	4.50	3.81	11.68	2.62	3.82	0.37	4.41	3.25	3.02	45.91
Royal Center	1.91	2.18	0.86	1.42	2.53	6.26	3.54	7.42	0.57	1.74	1.76	1.77	31.96
Salamonia	1.85	2.94	3.74	2.84	1.56	6.96	3.65	1.39	0.27	2.64	3.56	1.98	33.38
Salem	2.85	4.04	1.49	4.46	3.96	6.95	2.12	4.40	1.05	5.06	4.84	2.85	44.09
Scottsburg	1.78	3.21	1.91	4.81	3.46	7.50	3.48	5.56	0.64	4.58	3.32	2.33	42.58
Seymour	1.77	3.96	1.32	3.81	1.61	4.79	1.90	4.72	0.69	3.44	3.30	1.91	33.22
Shelbyville	1.34	3.55	2.73	4.42	1.43	5.83	3.23	1.53	0.51	4.84	2.88	2.43	34.72
Shoals	1.75	2.58	1.59	4.73	3.42	5.99	2.46	4.32	1.38	6.12	3.43	2.39	40.16
South Bend	1.51	1.37	1.60	2.28	1.79	6.15	2.73	5.97	3.19	2.61	3.43	2.00	34.72
Stewartsville	1.73	2.51	1.02	3.76	3.81	8.08	2.29	2.67	0.41	5.49	3.61	2.24	37.65
Terre Haute	1.83	3.82	4.55	2.09	2.55	6.88	2.45	4.06	2.27	3.73	2.08	1.91	38.22
Thayer	1.06	1.66	1.66	2.58	2.34	5.36	7.04	3.75	1.75	2.96	2.77	2.06	34.93
Valparaiso	0.92	2.22	1.84	2.65	2.04	3.28	4.57	4.45	2.46	4.19	3.74	2.46	34.76
Veedersburg	1.71	2.42	0.81	2.25	3.03	7.79	9.00	3.81	2.26	1.90	1.84	1.81	39.23

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
***Indiana*—Continued**													
Vevay (Dam No. 39)	2.15	2.92	1.74	3.93	1.68	12.72	4.57	3.14	1.22	3.56	3.27	2.83	43.73
Vincennes	1.78	3.15	1.07	4.58	3.78	5.90	1.11	3.77	1.47	5.30	4.15	2.34	38.40
Wabash	1.71	1.96	1.17	1.61	2.14	6.18	4.95	3.67	1.15	1.63	3.06	1.59	30.83
Washington	2.02	3.24	1.17	3.77	3.50	6.66	3.76	2.59	1.11	7.06	3.81	2.76	41.45
Wheatfield	0.77	1.14	0.85	2.03	2.07	4.12	4.20	3.71	1.59	3.24	2.68	1.74	28.14
Whitestown	1.79	2.79	3.13	2.26	3.22	10.02	3.46	4.75	1.78	3.09	3.11	2.09	41.49
Whiting	0.45	2.99	1.33	2.17	1.67	3.69	4.81	3.86	2.53	3.04	4.68	2.02	33.24
Williams	1.88	3.51	1.49	4.09	3.89	6.52	1.64	4.56	1.12	5.42	3.64	2.90	40.66
Winamac	0.56	2.07	1.13	1.51	2.07	4.25	3.60	4.87	0.90	1.90	2.40	1.92	27.18
Winona Lake	1.66	1.69	1.57	2.12	2.88	3.90	4.10	6.82	0.90	1.57	3.09	2.14	32.44
Iowa													
Afton	0.09	2.47	1.62	4.37	1.47	6.36	5.14	2.70	3.21	3.77	5.99	0.84	38.03
Akron	0.01	1.00	1.53	0.26	4.20	3.25	4.66	4.64	1.79	3.83	0.89	0.12	26.18
Albia	0.01	1.74	1.41	1.82	0.61	7.67	3.59	6.17	4.75	2.63	5.01	1.00	36.41
Algona	0.20	1.49	1.57	2.48	3.17	5.11	4.32	8.56	1.40	3.13	2.64	0.48	34.55
Allison (near)	0.35	2.75	1.31	2.30	3.29	4.80	4.73	4.63	2.39	3.84	2.98	1.20	34.57
Alta	0.13	1.66	1.82	2.71	3.50	3.12	2.01	4.23	2.16	3.33	2.58	0.58	27.83
Alton	0.08	1.15	1.27	0.72	3.61	3.97	5.02	5.12	1.07	2.06	0.87	0.78	25.72
Ames	T.	2.43	0.53	1.88	1.91	6.38	3.28	5.74	4.27	3.27	4.21	1.14	35.04
Atlantic	0.13	2.74	0.94	1.73	4.02	5.24	5.24	5.31	2.49	2.65	4.81	1.45	36.75
Audubon (near)	0.06	2.40	1.07	2.04	4.01	5.25	4.48	4.57	1.29	4.01	4.05	0.91	34.14
Baxter	0.05	3.54	1.34	2.85	1.50	3.66	3.55	6.68	2.56	2.62	4.14	0.93	33.42
Bedford			1.58	1.96	2.55	7.05	8.34	3.15	6.99	3.48	5.69	0.37	
Belle Plaine	0.17	1.92	2.51	3.01	2.92	5.69	6.42	6.46	2.24	3.32	4.83	0.88	40.37
Belmond	0.13	2.11	1.16	2.35	2.49	3.34	7.15	10.03	2.18	2.41	3.63	0.72	37.70
Bonaparte (near)	0.03	1.94	0.83	3.08	1.09	6.70	4.55	5.57	6.96	6.13	5.03	1.10	43.01
Boone (near)	0.02	2.60	1.13	1.97	3.27	6.92	3.58	6.71	5.18	3.19	4.54	0.70	39.81
Britt	0.11	1.33			1.71	3.93	2.50	11.30	3.36	2.78	3.28	0.52	
Burlington	0.58	1.75	2.10	2.78	2.31	5.27	5.07	6.09	4.94	4.68	5.86	1.69	43.12
Carroll	0.09	1.61	0.57	1.51	3.48	4.06	1.48	9.43	3.00	4.07	2.39	0.88	32.59
Cedar Rapids	0.20	1.77	2.38	2.00	2.54	4.33	5.06	5.72	2.04	5.01	4.71	0.99	36.75
Centerville	0.01	1.31	1.13	1.92	0.76	7.24	3.56	4.83	9.98	5.47	5.96	1.25	43.42
Chariton (near)	T.	1.81	1.59	1.53	1.03	6.19	4.74	2.29	6.52	3.36	3.66	0.62	33.34
Charles City	0.27	2.68	1.34	2.81	2.44	2.85	3.94	12.78	2.01	3.33	3.47	1.13	39.05
Cherokee	0.13	1.19		1.01	4.32	2.31	2.41	2.75	2.11	1.67	1.83	0.42	
Clarinda	0.15	0.65	0.94	3.02	8.20	2.37	5.64	3.28	7.37	3.15	5.16	0.77	40.70
Clinton	0.58	1.90	2.63	3.70	1.76	5.51	3.38	6.16	1.37	4.47	4.74	1.69	37.89
Columbus Junction	0.23	1.84	1.77	2.99	1.26	5.10	8.64	4.64	1.81	4.05	4.62	1.27	38.22
Corning (near)	0.06	2.13	1.12	1.98	1.89	9.24	4.31	2.54	1.45	3.34	4.02	0.47	32.55
Corydon			2.06	2.18	0.93	8.51	3.42	2.16	7.17	3.32	5.63	0.98	
Creston	0.10	1.28	0.86	1.06	1.53	8.63	5.94	3.11	3.52	4.09	4.80	0.58	36.40
Cumberland (near)	0.04	1.80	0.67	1.47	2.94	7.24	6.12	6.97	3.88	2.90	4.75	0.86	39.64
Davenport (Weather Bureau)	0.34	1.61	2.61	3.86	1.08	4.55	4.57	6.57	1.93	3.44	4.29	1.64	36.49
Davenport (No. 2)	0.37	1.53	2.75	3.08	1.19	5.12	5.57	6.16	2.02	4.27	4.50	1.68	38.24
Decorah	0.35	2.65	0.95	2.29	1.71	3.52	5.03	12.80	4.49	3.27	2.68	1.18	40.92
Denison	0.02	1.04	0.83	1.63	4.07	4.51	2.66	3.55	2.16	6.62	1.36	0.47	28.92
Des Moines	0.11	3.10	1.71	1.95	2.63	6.62	5.68	7.75	1.87	3.08	4.62	1.03	40.15
Dubuque	0.20	1.69	2.14	1.71	1.55	3.87	3.22	9.38	1.27	3.46	4.88	1.09	34.46
Earlham (near)	T.	2.76	1.46	1.40	1.98	4.24	6.42	6.06	1.74	3.50	4.91	0.78	35.25
Estherville	0.34	1.75	1.35	2.20	3.20	3.60	0.65	6.61	1.47	1.68	1.45	0.85	25.15
Fairfield	0.37	2.48	1.78	3.51	1.74	9.13	5.68	5.79	4.44	6.79	4.48	1.58	47.77
Fairport	0.53	2.07	2.44	3.62	1.56	5.68	4.57	6.92	1.59	4.43	3.72	1.22	38.35
Fayette	0.47	3.10		3.18	2.54	5.11	3.66	9.36	3.94	3.44	5.16	1.19	
Forest City	0.34	2.12	1.52	1.73	2.22	3.18	2.02	8.93	2.53	3.01	2.35	0.64	30.59
Fort Dodge	0.21	2.86	1.11	2.55	2.14	4.89	3.42	7.49	2.73	3.40	2.97	1.00	34.77
Glenwood	0.02	1.48	0.58	1.24	2.34	5.75	4.72	5.08	4.25	2.05	5.74	0.50	33.75
Grinnell	0.10	1.13	1.76	2.42	2.32	4.39	3.25	6.48	2.26	2.69	2.93	0.76	30.49
Grundy Center	0.21	2.15	2.05	3.23	2.46	5.01	3.70	6.95	2.66	2.52	4.95	0.80	36.69
Guthrie Center	0.15	2.18	1.22	2.81	2.76	4.51	6.97	7.35	1.94	3.32			
Hampton	0.21	2.75	1.21	2.32	2.39	4.10	4.25	6.97	2.44	3.87	3.16	0.78	34.45
Harlan	T.	1.25	0.62	1.34	4.28	5.45	3.04	5.12	1.56	4.15	3.35	0.60	30.76
Hawarden	T.	1.27	1.60	0.35	4.55	3.92	3.25	6.63	2.14	4.01	0.89	0.14	28.75
Humboldt	0.28	1.81	0.92	3.29	2.14	3.86	2.46	8.16	4.18	3.17	2.52	0.44	33.23
Independence	0.37	2.31	1.62	1.42	2.31	4.36	3.87	9.45	3.73	3.34	5.10	1.13	39.01
Indianola	0.08	1.48	1.14	2.11	1.62	5.83	5.45	5.56	2.50	2.96	3.66	0.58	32.97
Inwood (near)	0.28	2.25	1.49	1.20	2.42	6.31	1.75	7.08	2.16	4.49	0.89	0.32	30.64
Iowa City	0.19	2.01	2.44	2.77	1.58	6.65	6.20	5.88	1.74	5.34	4.27	1.12	40.19
Iowa Falls	0.29	3.60	1.55	3.84	2.00	6.57	3.34	7.26	3.16	4.30	3.89	1.18	40.98
Jefferson	0.03	2.51	1.07	2.62	3.39	5.44	3.87		3.23	3.07	3.52	0.65	
Keokuk	0.41	1.75	1.39	2.79	2.55	5.15	2.93	2.67	4.18	5.91	5.18	1.85	36.76
Keosauqua	0.07	2.17	1.09	2.38	1.56	10.31	4.49	5.63	7.38	5.55	5.68	1.50	47.81
Knoxville	T.	2.12	2.42	2.22	1.98	6.61	4.96	6.29	2.63	2.68	4.60	0.98	37.49
Lacona	0.18	3.97	2.08	2.10	1.85	8.36	4.38	7.40	2.13	2.23	4.63	1.65	40.96
Lake Park (near)	0.43	1.30	1.45	1.17	2.92	5.80	1.16	8.59	2.26		0.77	0.86	
Lamoni	0.02	2.05	1.31	1.66	1.77	8.59	7.93	2.24	5.61	4.43	5.92	0.60	42.13
Lansing			1.18	1.61	1.85	4.30	5.80	8.06	5.23	4.16	2.98		
Le Claire			2.58	4.12	1.32	4.29	5.79	4.86	1.57	4.39			
Le Mars	0.04	1.68	1.43	0.88	4.25	2.65	4.57	2.98	1.85	2.86	2.05	0.66	25.90
Lenox	0.17	2.18	0.92	2.07	2.55	7.10	4.43	2.50	6.54	3.62	4.81	0.61	37.50
Little Sioux	0.17	1.72	0.93	2.01	3.65	4.98	4.02	3.67	1.32	7.38	2.24	0.91	33.00
Logan	0.05	0.74	0.78	2.20	3.19	5.06	4.41	5.74	2.66	3.99	2.33	0.41	31.56
Maquoketa (near)	0.19	1.57		1.78	2.74	5.60	4.57	4.04	1.10	4.68	4.88	0.95	
Marathon	0.16	1.51	1.23	2.93	3.84	4.87	2.05	3.75	1.37	3.08	1.44	0.45	26.68
Marshalltown	0.12	2.69	1.79	3.36	1.75	4.53	3.78	7.19	3.11	3.23	5.30	0.90	37.75
Mason City	0.26	2.17	0.91	3.39	1.61	3.86	3.80	12.28	1.88	4.42	2.42	1.01	38.01
Monroe	0.16	2.51	1.87	2.26	3.69	6.50	5.26	8.81	2.03	3.46	3.03	0.90	40.48
Mount Ayr	0.03	1.95	1.50	1.78	1.30	9.18	9.32	3.05	6.07	4.02	6.83	0.47	45.50
Mount Pleasant	0.17	1.43	1.33	3.37	1.64	7.20	6.03	5.15	4.26	3.57	4.74	0.97	39.86
Muscatine	0.51	2.26	2.52	3.27	1.75	4.58	5.45	6.45	1.95	4.29	4.65	1.19	38.87
New Hampton	0.07	2.26		1.68				10.40	5.20	4.07			
Northwood			1.05	2.40	3.68	6.03	2.27	11.92	2.81	3.35	2.30	1.35	
Oakland	0.15	1.52	0.36	1.32	2.60	4.45	4.70		1.37	2.27	4.55	0.55	
Oelwein	0.16	1.36	1.60	2.22	2.10	4.25	4.70	9.30	3.20	4.00	6.60		
Olin	1.04	1.66	2.39	1.83	3.42	4.26	6.55	7.00	1.25	3.94	4.54	1.25	39.18
Onawa					3.20	3.62	1.89	3.47	1.12	4.62	1.68	0.40	
Osage	0.32	2.05	0.68	2.80	1.92	3.39	3.19	11.25	1.76	3.68	1.98	0.57	33.59

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Iowa—Continued													
Oskaloosa	0.18	2.45	2.18	2.70	1.32	8.54	7.16	6.59	4.64	3.10	4.95	1.18	44.99
Ottumwa	0.02	1.87	2.37	2.02	1.21	9.15	4.81	6.05	3.64	5.51	4.32	1.39	42.36
Pella (near)	0.66	2.37	2.34	2.13	1.67	8.39	4.61	5.20	3.37	2.42	------	------	------
Perry	0.06	2.45	0.95	1.49	2.28	5.02	5.02	7.51	3.88	2.26	3.22	0.70	34.84
Pocahontas	0.19	1.51	1.68	2.47	3.42	4.70	4.25	4.65	2.91	3.04	1.97	0.68	31.53
Postville (near)	0.24	2.81	1.22	1.81	1.73	3.42	4.45	8.73	3.99	3.50	3.02	0.94	35.86
Red Oak (near)	0.12	1.88	0.45	1.59	6.19	6.74	7.25	3.98	4.37	1.48	4.95	1.05	40.05
Riverton (near)	0.03	1.90	0.69	3.36	3.37	6.52	2.54	6.14	5.04	2.30	4.44	0.44	36.77
Rock Rapids	0.08	1.41	1.51	1.44	3.34	7.10	1.44	7.25	1.51	3.58	0.84	0.38	29.88
Rockwell City	T.	2.65	1.11	1.83	2.89	------	1.45	3.74	2.40	4.77	2.08	------	------
Sac City	T.	1.27	1.07	1.10	2.56	3.95	3.45	4.29	2.81	4.32	1.58	0.53	26.93
Sanborn	T.	1.18	0.74	0.65	2.83	4.58	1.74	8.72	1.71	2.13	1.11	0.48	25.87
Sheldon	0.08	1.56	1.77	1.04	2.89	4.84	3.29	8.08	1.04	2.92	1.00	0.03	29.14
Sigourney (near)	0.10	1.89	2.43	2.44	2.53	7.70	6.01	6.16	2.61	3.61	3.99	1.00	40.47
Sioux Center	0.26	2.06	1.80	1.63	2.70	4.85	3.80	9.96	1.12	3.23	0.85	0.20	32.46
Sioux City	0.04	1.60	1.17	0.22	5.36	3.07	3.83	2.67	2.14	3.55	0.88	0.14	24.67
Spencer	0.17	1.20	1.55	2.12	3.91	5.45	1.48	3.04	1.66	1.74	1.23	0.60	27.15
Stockport (near)	0.38	1.96	1.21	3.05	0.94	7.50	4.85	6.83	5.30	5.55	5.15	1.51	47.23
Storm Lake	0.07	1.26	1.48	2.65	3.65	3.26	2.60	4.46	1.57	3.80	2.29	0.29	27.38
Thurman	T.	1.43	0.49	1.13	2.82	5.37	2.94	3.58	6.11	1.68	4.70	0.44	30.69
Tingley	0.17	2.05	2.05	1.84	1.98	6.33	6.73	3.14	6.09	3.50	5.48	0.51	39.87
Tipton (near)	0.10	1.84	2.22	2.37	1.80	4.61	3.83	7.95	1.11	4.92	5.34	1.20	37.29
Toledo	0.31	2.13	2.20	3.33	4.38	5.94	5.81	5.68	2.55	3.10	4.75	0.98	41.16
Van Meter	0.03	2.46	1.60	2.03	1.85	4.88	4.87	6.54	1.47	4.05	5.35	1.05	36.18
Washington	0.24	2.02	2.19	2.93	1.96	7.91	6.77	4.31	2.54	3.81	5.18	1.68	41.54
Washta	0.06	1.34	1.54	2.18	4.82	3.84	2.08	5.45	2.41	2.14	2.20	0.50	28.56
Waterloo	0.15	2.30	1.58	2.26	3.10	5.02	3.34	10.06	3.10	3.38	6.32	1.15	41.76
Waukee	0.09	------	------	------	1.93	6.43	4.39	7.56	1.85	3.73	4.01	0.91	------
Waverly	0.20	1.75	0.69	1.99	2.20	5.27	5.13	7.66	3.08	3.64	4.04	0.68	36.33
Webster City	0.07	2.48	1.03	2.37	0.91	5.09	1.29	7.11	1.60	3.17	2.96	0.95	29.03
West Bend	0.11	------	------	------	------	------	3.05	6.30	1.62	2.61	2.27	0.40	------
Wever	------	------	------	2.81	1.68	4.54	5.70	4.58	5.80	4.63	6.02	1.98	------
Williamsburg	0.17	1.48	2.06	2.09	1.61	2.54	7.01	5.50	1.14	4.20	4.42	1.10	33.32
Winterset	0.12	2.93	1.46	1.98	3.24	5.58	4.44	3.59	1.51	3.94	5.23	1.12	35.14
Kansas													
Abilene	0.14	2.08	1.55	------	------	------	------	------	------	------	------	------	------
Alden	0.02	2.37	1.84	3.29	3.07	11.14	3.42	2.29	1.50	2.60	3.58	0.70	35.82
Alton (near)	0.15	2.03	1.18	0.89	2.25	4.86	9.25	1.99	0.33	2.52	1.80	T.	27.25
Anthony	0.14	1.28	1.23	2.32	2.75	5.20	2.80	1.94	0.38	1.59	5.11	1.57	26.31
Arkansas City	0.27	1.38	1.57	4.42	3.48	8.96	4.72	1.53	0.35	3.41	6.17	2.22	38.48
Ashland	0.03	2.43	1.94	3.37	5.39	4.49	2.81	3.98	1.10	2.96	3.69	1.66	33.85
Atchison	0.12	2.12	0.88	2.40	2.14	7.61	2.17	6.29	4.96	3.23	7.52	0.47	39.91
Atwood	0.05	0.51	1.07	0.25	5.78	5.71	4.24	------	------	------	------	------	------
Augusta	0.14	1.34	------	3.48	2.90	13.54	4.28	0.61	0.79	3.28	9.74	1.39	------
Bazaar	0.23	2.37	1.79	3.33	0.94	6.89	4.89	2.75	1.17	4.77	8.62	1.22	38.97
Beaver	T.	2.34	1.69	2.30	2.59	8.95	7.02	3.90	0.42	1.93	4.26	0.17	35.57
Beloit	0.07	2.14	0.92	1.20	1.81	5.46	6.33	2.51	0.37	2.18	3.83	0.00	26.82
Bird City (near)	T.	0.28	0.67	0.31	4.81	5.62	3.69	2.81	0.27	2.20	0.71	T.	21.37
Bison (near)	0.07	1.79	2.50	1.14	3.40	5.13	4.81	5.22	0.65	1.68	2.44	0.27	29.10
Blue Rapids	0.11	2.15	0.64	2.60	1.96	5.97	5.41	4.15	1.40	0.88	5.31	0.19	30.77
Bucklin	0.03	2.69	1.74	2.18	6.35	3.58	2.49	0.40	0.60	1.65	4.04	1.06	26.81
Burlington	0.09	2.19	1.52	3.72	4.31	9.88	2.07	3.23	0.79	3.51	8.89	3.05	43.25
Burr Oak (near)	0.19	1.90	0.74	0.66	2.78	8.14	4.49	3.75	1.07	3.11	3.52	0.02	30.37
Carbondale	0.06	2.48	0.91	3.43	3.16	8.16	4.81	3.72	4.82	1.07	10.03	1.99	44.64
Cawker City	0.15	2.32	1.26	1.28	2.24	5.83	8.18	4.76	0.73	2.08	2.45	0.01	31.28
Centralia	0.08	1.63	0.78	3.28	2.75	4.58	3.20	4.58	4.99	1.27	5.05	0.80	32.99
Chanute	0.23	2.07	2.51	4.24	5.85	7.76	2.22	3.17	0.97	3.90	5.77	2.72	41.41
Chapman	T.	1.95	1.06	2.00	2.61	7.67	8.87	3.58	2.34	1.55	5.55	T.	37.18
Cheney	0.02	1.69	1.79	5.71	2.93	8.41	2.41	1.25	0.10	2.36	5.90	1.31	33.88
Cimarron	T.	1.21	0.87	2.71	4.01	8.40	6.82	2.77	1.75	3.27	3.23	0.29	35.33
Clay Center	0.08	3.05	0.89	2.00	3.12	6.79	8.44	2.68	1.30	2.38	3.69	0.09	34.51
Clyde	0.51	1.72	0.67	2.53	1.63	5.67	7.73	4.02	0.72	1.73	4.78	0.02	31.73
Colby	0.02	0.83	1.75	0.75	4.66	5.54	3.40	1.35	0.28	1.67	1.08	0.05	21.38
Coldwater	T.	1.81	1.42	3.06	4.32	4.02	4.46	1.89	0.74	2.68	3.57	1.52	29.49
Columbus	0.40	2.52	2.62	6.15	3.44	15.15	4.39	3.63	1.18	4.79	2.00	3.29	49.56
Concordia	0.11	2.03	0.47	1.25	1.24	4.79	7.03	5.47	0.85	3.01	2.59	0.01	28.85
Council Grove	T.	1.80	0.96	2.32	2.37	10.12	6.67	4.08	2.62	3.63	6.40	0.83	41.80
Deerfield (near)	T.	2.20	1.87	1.23	8.77	7.18	4.60	2.79	0.67	2.20	0.87	0.10	32.48
Dodge City	0.03	1.60	1.84	2.54	2.85	5.30	2.34	2.78	1.13	3.19	2.35	0.82	27.77
Dresden	0.17	1.03	1.97	0.30	4.74	6.29	5.38	0.32	1.93	3.42	1.35	0.03	26.93
Eldorado	0.00	1.56	1.50	3.26	3.28	10.57	2.44	0.45	1.27	4.23	11.18	2.35	42.09
Elkhart	T.	0.77	1.19	1.95	6.10	2.03	2.60	1.38	0.42	2.87	1.97	0.44	21.72
Ellsworth	0.20	3.08	2.55	1.58	2.17	6.96	6.48	4.18	0.48	2.95	2.93	0.20	33.76
Elmdale	0.11	1.89	1.82	4.32	1.99	9.23	6.79	4.86	1.82	4.46	5.49	1.19	43.97
Emmett	0.02	2.14	0.62	4.09	2.96	6.75	4.61	7.73	2.78	1.17	7.21	0.92	41.00
Emporia	0.05	1.85	1.21	3.83	1.31	10.34	6.19	2.17	1.23	1.95	10.30	1.94	42.37
Eskridge	T.	2.16	0.83	2.07	2.19	7.47	5.76	2.99	2.40	2.56	6.57	1.30	36.30
Eureka	0.17	2.06	1.75	2.29	1.50	9.48	3.22	2.03	0.94	4.03	7.48	2.78	37.73
Florence	0.16	1.78	2.48	4.23	1.20	9.86	2.04	3.13	1.96	2.08	5.72	1.54	36.18
Fort Scott	0.12	3.78	1.93	3.88	4.16	9.70	2.29	2.88	2.43	5.03	3.73	1.90	41.83
Fredonia	0.30	2.02	2.10	3.34	3.37	10.51	2.87	2.79	1.78	4.38	6.42	2.52	42.40
Garden City	T.	1.46	1.24	1.48	5.92	6.83	4.62	2.02	0.28	2.89	1.25	0.25	28.24
Garnett	0.19	4.02	1.05	2.43	3.12	13.02	5.37	4.05	1.02	3.91	11.64	2.52	52.34
Goodland	0.04	0.22	1.05	0.37	5.83	7.81	6.15	1.55	0.40	1.25	1.66	0.01	25.84
Gove (near)	0.02	1.23	1.63	1.00	5.59	6.29	4.35	3.37	0.56	2.73	0.58	0.04	27.39
Great Bend	T.	2.20	1.63	2.06	2.58	9.41	5.00	3.27	0.99	1.96	3.73	0.20	33.03
Greensburg	0.67	3.07	1.14	3.20	3.53	4.30	2.78	0.81	0.69	1.66	4.75	1.52	27.52
Hanover	0.15	2.42	0.52	2.41	1.90	5.37	3.84	2.34	0.48	2.27	3.92	0.38	26.00
Hays	0.03	1.57	1.42	1.27	3.13	9.13	6.86	1.78	0.84	2.01	1.88	0.02	29.94
Healy	0.04	2.93	1.62	1.58	5.55	6.44	3.60	3.34	0.22	1.86	1.10	0.02	28.30
Herington	0.08	1.69	1.20	2.87	3.51	9.72	7.70	4.46	4.33	1.21	5.88	0.65	42.30
Hesston	0.09	1.94	2.50	5.36	2.48	8.76	2.09	1.44	0.69	3.03	4.57	1.03	33.96
Hill City	0.06	1.26	1.76	0.25	3.78	6.48	7.72	1.32	0.35	3.03	1.30	0.01	27.31
Holton	0.11	2.15	0.74	2.94	2.57	7.60	2.62	5.80	2.27	2.45	6.77	0.60	36.62
Horton (near)	0.10	2.33	0.84	3.22	2.32	6.38	4.44	4.40	3.32	1.58	6.82	0.54	36.30
Howard	0.34	1.19	2.49	2.98	2.53	10.33	2.44	2.90	0.93	4.50	6.90	2.36	30.89

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Kansas—Continued													
Hoxie	T.	2.44	1.93	0.12	4.00	5.91	4.91	0.40	2.33	4.27	0.80	T.	27.11
Hudson	0.03	2.28	1.86	2.06	2.30	6.32	3.31	2.33	1.23	1.36	3.84	1.06	27.98
Hugoton	0.00	0.90	1.00	0.90	7.25	2.37	2.96	4.43	0.22	1.96	2.80	0.53	25.32
Hutchinson	0.08	2.35	2.27	2.47	3.12	10.21	1.92	2.12	0.72	1.55	3.82	0.91	31.54
Independence	0.36	1.75	1.85	4.22	2.10	11.37	4.20	1.72	0.27	4.23	3.65	2.38	38.10
Iola	0.20	2.22	1.78	4.24	4.34	10.58	3.31	2.52	1.06	4.87	9.01	2.23	46.36
Irene	T.	1.22	1.08	0.58	4.89	4.84	1.99	0.67	0.30	3.47	1.35	0.08	20.47
Jetmore	T.	1.73	1.16	1.81	4.85	4.99	4.72	2.35	1.22	3.07	2.36	0.53	28.79
Johnson	T.	1.28	1.61	1.28	7.28	4.96	0.62	4.25	0.19	2.81	1.77	0.15	26.20
Junction City	0.18	2.43	1.60	2.01	3.12	8.14	8.04	3.46	2.30	3.43	6.54	0.92	42.17
Kismet (near)	T.	1.37	0.47	0.93	6.97	4.31	3.41	3.80	0.96	3.21	2.05	0.45	27.93
Lakin	0.00	1.80	0.77	0.87	5.85	4.96	3.21	2.00	0.75	2.22	1.55	0.57	24.55
Larned	0.04	1.97	2.05	1.71	2.41	5.66	5.96	5.11	0.82	2.48	3.34	0.59	32.14
Lawrence	0.12	2.15	0.31	2.33	1.92	6.62	3.46	4.57	3.84	2.65	8.86	1.68	38.51
Leavenworth	T.	1.70	0.30	2.07	3.90	5.03	2.28	6.37	5.32	2.17	5.26	1.28	35.68
Lebo	0.09	2.37	0.99	3.29	1.17	13.02	4.08	3.76	0.85	1.52	13.03	2.23	46.40
Leoti	0.10	1.40	1.75	1.57	6.07	6.27	4.50	1.71	0.35	3.81	0.92	0.12	28.57
Le Roy	0.25	2.26	1.67	3.23	1.79	10.98	4.56	3.51	0.93	3.76	7.99	2.08	43.01
Liberal	0.00	2.19	0.80	1.52	5.88	4.57	4.22	5.73	0.80	3.21	1.86	0.92	31.70
Lincoln	0.18	2.70	0.95	------	1.99	5.95	12.77	3.07	1.22	2.30	3.75	T.	------
Lyndon (near)	0.05	2.40	0.93	2.67	2.35	8.38	3.87	4.98	2.91	1.31	10.26	1.95	42.06
McFarland	0.06	1.65	0.92	2.81	2.01	6.82	7.00	3.08	3.29	1.54	5.32	1.11	35.61
McPherson	0.12	1.99	1.40	2.88	2.73	8.06	2.49	2.51	2.67	1.31	3.52	0.36	30.04
Macksville	0.02	3.29	1.03	2.08	3.28	6.58	4.15	2.41	0.53	1.53	4.18	0.83	29.91
Manhattan	T.	1.58	1.06	1.77	2.21	4.99	7.38	5.29	2.19	1.33	5.79	0.60	34.19
Marion	0.00	1.50	2.60	4.55	2.20	7.76	2.00	4.15	1.85	1.10	6.15	1.90	35.76
Medicine Lodge	0.02	1.60	1.07	5.04	3.38	4.15	4.65	1.73	0.38	2.85	4.03	1.45	30.35
Medora	0.26	1.94	2.48	2.94	3.98	8.83	2.49	2.78	1.02	2.86	4.59	0.50	34.67
Mentor	0.10	1.88	0.97	2.14	2.14	7.18	6.62	4.04	1.60	0.62	4.39	0.08	31.76
Minneapolis	0.21	4.00	0.95	2.10	2.50	7.19	10.62	3.50	1.54	2.02	3.71	T.	38.34
Minneola	T.	1.65	1.10	1.77	5.08	5.04	2.51	3.75	0.19	2.12	3.18	0.71	27.10
Mount Hope	0.00	1.70	1.82	6.18	1.99	11.58	2.12	0.80	0.58	1.17	4.23	0.72	32.89
Neosho Rapids	T.	2.28	1.35	3.90	1.24	11.93	3.57	2.41	1.27	1.67	10.80	1.65	42.07
Ness City (near)	0.02	1.87	2.23	1.55	3.33	5.98	3.67	2.11	0.43	2.31	1.79	0.10	25.39
Newton	0.00	1.98	3.18	7.45	1.75	11.23	3.40	4.09	1.04	1.35	6.11	1.48	43.06
Norton (near)	T.	1.50	1.70	0.13	5.03	5.39	6.67	0.73	2.76	4.01	1.50	T.	29.42
Norwich	0.07	1.47	1.58	6.61	2.96	8.55	2.55	1.41	0.31	1.71	4.72	1.86	33.80
Oakley	T.	0.64	2.43	0.66	4.49	7.12	3.17	1.27	0.12	3.47	0.61	0.06	24.04
Oberlin	0.09	0.83	1.41	0.11	4.05	6.08	3.87	0.60	1.93	2.41	1.25	0.02	22.65
Oketo	0.16	2.13	0.67	3.42	1.84	7.42	3.94	2.27	0.76	1.44	4.39	0.25	28.69
Olathe	0.11	2.19	0.26	1.63	2.20	6.24	2.77	------	------	------	------	------	------
Osage City	0.08	2.08	1.12	3.24	1.78	9.04	5.35	4.18	2.50	2.00	10.72	2.35	44.44
Oswego	0.33	2.51	2.26	5.80	1.66	16.49	6.96	3.84	1.21	3.45	2.74	2.63	49.88
Ottawa	0.32	2.88	0.82	1.72	2.39	5.70	3.26	3.90	2.78	2.44	10.75	2.21	39.17
Overbrook	------	------	0.85	2.22	2.16	5.97	3.32	3.86	2.92	1.33	9.01	1.92	------
Overbrook (near)	0.10	2.07	0.72	1.48	2.58	5.35	2.76	3.98	3.74	1.69	9.71	2.32	36.50
Paola	------	2.87	0.46	2.96	1.36	5.13	1.94	5.30	2.13	1.90	12.35	1.89	------
Parsons	0.30	2.42	3.05	5.33	4.06	15.48	4.07	1.63	1.89	4.66	3.53	2.88	49.30
Phillipsburg	0.16	1.50	1.50	0.08	5.35	5.60	8.42	2.56	0.75	4.71	1.84	0.09	32.56
Pittsburg	0.29	2.56	2.34	5.73	3.40	14.25	2.66	3.65	0.98	3.74	1.72	2.55	43.78
Plains	0.00	1.38	0.86	1.14	6.16	4.53	1.43	6.00	1.16	4.45	1.98	0.63	29.72
Plainville	0.25	1.90	2.24	0.80	2.52	6.82	9.10	3.11	0.32	2.20	1.94	0.13	31.33
Pleasanton	0.25	3.21	1.69	5.48	1.98	7.97	2.93	4.83	3.41	3.15	8.73	2.58	46.21
Pomona (near)	0.13	1.99	0.88	1.79	1.70	5.08	3.53	4.62	2.48	1.56	10.91	1.87	36.54
Pratt	T.	1.96	1.43	2.30	3.63	7.59	8.32	1.27	0.52	1.73	4.57	1.66	34.98
Quenemo	0.20	2.04	1.10	2.25	1.90	9.21	5.70	4.74	2.90	2.20	9.95	3.03	45.22
Quinter	0.02	2.38	2.70	0.87	4.40	6.65	4.28	1.71	0.90	2.06	2.05	T.	28.02
Randolph	0.06	1.75	0.65	2.02	2.60	5.98	8.58	5.97	1.19	1.22	5.09	0.13	35.24
Reading	0.09	1.97	0.94	5.35	1.47	14.00	4.70	3.76	1.38	1.90	9.89	1.96	47.41
Republic	0.06	------	0.77	0.99	2.28	7.90	3.04	4.07	0.09	2.31	3.18	0.00	------
Richfield	0.00	0.59	1.25	1.18	5.50	4.87	1.55	5.05	0.25	3.20	2.25	0.95	25.64
Russell	0.08	1.66	1.36	1.22	2.86	9.78	9.52	4.67	0.02	2.98	3.24	0.07	37.46
St. Francis	0.05	0.14	0.48	0.29	5.57	7.30	5.08	2.74	1.03	2.86	0.95	0.04	26.53
Salina	0.13	2.56	2.05	2.67	2.75	7.14	7.17	4.72	1.75	1.62	4.55	0.05	37.16
Scott City	0.11	2.24	2.56	1.53	7.35	9.04	3.29	3.62	0.49	2.80	0.70	0.50	34.23
Sedan	0.57	1.44	2.75	3.83	3.36	13.27	3.25	2.25	1.32	6.15	6.31	2.72	47.22
Sedgwick	0.04	1.50	2.14	5.33	1.08	9.09	1.92	1.92	0.41	1.46	4.46	1.11	30.46
Sharon Springs	T.	0.69	1.71	1.60	7.02	5.53	1.56	0.35	0.29	2.09	1.43	0.00	22.27
Smith Center	0.18	1.32	0.45	0.30	3.75	9.20	6.40	2.25	1.30	3.90	1.94	0.00	30.99
Solomon	0.14	2.03	1.58	1.71	1.68	7.15	6.73	4.08	1.28	0.68	4.41	0.01	31.48
Sublette	T.	0.60	1.13	1.36	7.40	4.97	1.79	3.23	0.26	3.45	2.01	0.48	26.68
Syracuse	T.	------	------	------	5.60	3.75	1.94	1.80	0.80	3.52	1.38	0.15	------
Topeka	0.02	2.43	0.53	2.69	2.46	5.11	2.75	4.91	2.51	1.47	6.08	1.24	32.20
Toronto	0.59	1.39	2.02	3.30	2.54	10.03	3.01	5.31	1.39	1.83	6.83	4.17	42.41
Tribune	T.	0.62	0.98	0.63	4.77	5.33	4.45	0.85	0.59	2.08	1.29	0.09	21.68
Trousdale	T.	2.36	1.39	2.43	2.69	3.24	4.06	2.08	0.00	1.60	3.86	1.08	24.79
Ulysses	0.00	1.35	0.87	1.67	5.90	7.44	0.94	3.42	0.50	2.29	1.22	0.05	25.65
Valley Falls (near)	0.10	1.95	0.47	2.52	1.78	5.20	3.56	5.04	1.90	1.39	5.76	0.94	30.61
Vinland	0.03	2.19	0.48	2.73	3.74	6.64	3.37	6.09	4.73	2.84	8.44	1.87	43.15
Wakeeney	0.05	1.90	2.08	0.73	3.44	6.65	9.00	2.16	1.19	3.34	1.78	0.00	32.32
Walnut	0.30	3.54	2.35	4.03	3.27	13.13	2.58	1.57	1.34	5.23	3.94	2.72	44.10
Wamego	0.05	1.70	0.73	3.55	1.99	7.29	7.63	5.87	3.55	1.81	6.68	0.97	41.82
Wellington	0.20	2.13	2.15	2.88	2.10	12.10	3.94	0.90	0.38	2.19	7.96	2.47	39.40
Wheaton	------	1.95	0.74	------	2.34	5.67	3.11	5.22	2.42	1.34	5.39	0.84	------
Wichita	0.10	1.79	2.24	5.26	2.79	12.10	3.46	0.70	0.58	1.48	5.45	1.58	37.53
Winfield	0.23	1.23	1.46	3.85	2.22	14.39	4.58	0.76	0.52	3.75	5.47	2.12	40.58
Yates Center (near)	0.21	1.85	1.90	3.22	2.45	6.26	2.43	3.22	1.50	2.06	5.56	1.99	32.70
Kentucky													
Addison (Dam 45)	2.28	2.84	2.79	4.20	4.23	11.35	3.80	4.07	0.42	3.92	3.34	3.08	46.32
Anchorage	2.26	2.35	2.17	4.00	3.32	10.82	2.65	5.50	0.82	2.72	2.84	2.85	42.30
Ashland	2.61	2.40	3.08	3.93	2.18	7.66	2.35	6.25	1.50	2.28	3.90	1.87	40.01
Bardstown	2.77	2.25	1.82	3.98	4.23	14.30	4.43	5.67	0.58	6.35	4.34	3.64	54.36
Beattyville	2.64	1.83	3.18	3.56	3.03	10.91	6.91	4.58	1.44	2.54	4.75	1.50	46.86
Beaver Dam	2.70	3.15	1.96	3.78	5.80	15.13	3.16	2.82	0.00	5.66	3.32	2.50	49.97
Berea	2.68	2.02	2.99	3.54	3.82	9.41	6.81	5.64	0.41	3.04	4.36	1.49	46.21

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Kentucky—Continued													
Blandville	1.78	3.27	2.19	5.73									
Bowling Green (No. 1)	3.62	3.35	3.29	3.94	3.32	13.06	3.63	2.84	0.50	5.12	3.72	2.64	49.03
Bowling Green (No. 2)	2.49	2.07	2.03	2.41	3.41	12.76	3.54	3.42	0.31	5.27	2.71	5.13	45.55
Brownsville	2.58	2.64	2.32	3.14	5.40	12.73	6.04	3.02	T.	5.03	3.93	2.61	49.44
Burnside	3.78	1.85	5.36	5.84	5.11	7.71	4.25	6.69	1.04	2.21	3.73	1.28	48.85
Calhoun	1.89	3.01	2.61	4.62	3.25	12.35	1.88	3.81	T.	3.88	3.53	3.13	44.06
Carrollton	1.73	1.99	1.59	3.78	4.16	10.32	3.84	4.54	1.63	2.92	2.76	2.27	41.53
Cloverport	2.29	3.28	2.26										
Cold Spring	2.06	3.20	1.95	4.35	1.07	9.78	3.87	2.12	0.54	4.79	3.25	2.51	39.51
College Hill	2.26	2.08	3.13	2.88	3.75	11.74	3.84	3.89	0.98	3.00	4.61	1.15	43.31
Cynthiana	2.19	2.14	2.51	3.26	3.52	8.52	4.29	3.47	1.11	3.21	3.87	2.57	40.76
Dix Dam	3.04	2.33	2.67	2.48	3.32	9.18	6.55	5.46	0.56	2.96	4.35	2.11	45.01
Earlington	2.01	3.30	3.19	4.94	3.82	15.41	2.44	1.60	0.02	4.80	3.98	3.53	49.04
Eubank	2.46	1.91	2.81	2.75	2.70	12.44	5.61	7.35	0.84	3.91	4.72	1.07	48.57
Falmouth	2.19	2.17	2.79	3.70	2.49	7.53	3.20	4.59	0.88	3.22	3.43	2.61	38.80
Farmers	2.97	2.25	3.17	2.80	4.41	8.26	2.49	4.74	0.97	3.03	3.82	1.67	40.58
Flemingsburg	2.55	3.30	3.27	3.64	2.63	8.11	4.59	6.16	0.95	3.10	5.05	1.84	45.19
Ford	2.54	2.45	2.32	2.53	2.44	9.04	6.84	6.05	1.09	2.57	4.52	1.38	43.77
Frankfort	2.39	1.71	2.95	3.39	3.24	7.54	9.80	4.47	0.76	5.35	2.99	2.56	47.15
Franklin	3.10	3.42	3.33	3.70	5.05	13.00	4.40	3.10	0.00	4.95	4.38	2.40	50.83
Gest	1.51	2.00	2.66	3.95	3.32	7.77	4.87	3.80	0.79	5.17	2.93	2.86	41.63
Glasgow			1.26										
Grant	1.64	2.63	1.48	3.95	1.06	7.87	4.08	1.99	1.68	2.82	3.04	2.50	34.74
Grayson	2.42	2.36	2.58	3.22	3.03	9.21	3.47	6.32	1.62	2.25	3.63	1.43	41.54
Greensburg	3.90	3.14	2.80	2.74	4.80	13.76	4.34	5.30	0.31	4.93	3.90	1.24	51.06
Greenup	2.12	2.91	2.86	4.70	1.72	7.19	3.05	3.84	0.89	1.98	3.58	1.83	36.67
Greenville	2.26	1.99	1.50	4.25	3.38	14.67	3.01	2.18	0.30	5.32	4.06	2.55	45.47
Hazard	2.70	1.48	3.51	6.44	3.64	6.17	2.12	5.63	2.20	2.90	4.16	1.53	42.48
Heidelberg	2.74	2.11	3.57	3.91	3.00	11.55	7.04	4.76	1.34	2.56	5.56	1.68	49.82
High Bridge	3.09	2.19	2.88	2.48	2.85	8.41	7.43	4.61	0.67	2.58	3.36	1.58	42.13
Hindman	2.50	1.54	3.34	6.46	2.45	5.87							
Hopkinsville	2.35	2.39	1.21	3.99	3.79	12.88	2.58	1.75	0.19	6.35	2.61	2.40	42.49
Irvington	2.49	2.45	2.94	3.91	3.68	14.71	3.48	3.32	0.45	5.37	3.11	3.44	49.35
Jenkins	4.24	2.30	2.73	6.38	5.65	4.71	3.29	6.25	2.72	3.56	4.89	1.77	48.49
Junction City	3.37	3.24	3.46	3.52	3.54	13.75	5.65	5.07	0.41	5.08	5.11	1.97	54.17
Lancaster	2.39	2.10	2.34	2.16	2.92	10.09	3.93	3.56	0.28	3.00	3.73	1.01	37.51
Leitchfield	2.73	3.28	1.68	4.58	4.48	14.48	2.34	2.67	0.03	7.11	3.50	3.84	50.72
Lexington	2.68	2.30	2.67	2.79	2.12	10.62	5.16	4.30	0.71	2.69	3.79	1.92	41.75
Little Hickman	3.13	2.36	2.99	3.09	2.89	9.68	6.33	6.55	0.52	4.64	4.37	1.53	48.08
Lockport	1.58	1.74	1.75	3.48	3.61	8.01	5.31	2.83	0.77	4.20	2.55	3.46	39.29
Louisa	2.48	1.62	3.57	4.17	2.86	10.21	3.13	4.84	1.82	2.42	4.47	1.57	43.16
Louisville (Weather Bureau)	2.01	2.51	2.66	4.15	5.63	7.25	2.17	3.23	0.78	4.45	2.94	3.31	41.09
Louisville (No. 2)	2.27	2.54	2.13	4.36	6.58	11.68	2.58	3.05	1.03	2.73	2.82	2.82	44.59
Lovelaceville					2.78	18.77	1.38	4.92	0.01	4.71	4.32	3.26	
Marion	1.70	2.84	1.93	6.37	3.19	10.99	0.45	3.37	T.	5.36	4.40	2.85	43.45
Mayfield	2.84	3.22	1.28	7.48	3.42	17.78	2.04	3.29	0.00	3.54	3.76	4.05	52.70
Maysville	2.21	2.42	2.90	3.27	0.94	6.94	3.67	5.09	0.86	3.35	4.01	2.20	37.86
Middlesboro	1.61	1.32	5.40	6.73	5.10	9.81	3.28		3.10	3.50	7.51	1.36	
Mount Sterling	3.93	3.09	2.00	3.52	3.49	9.25	7.71	2.66	0.35	3.51	4.56	1.09	45.16
Munfordville	2.60	2.90	1.75	1.28	3.35	12.68	3.71	3.23	0.00	5.58	2.92	2.30	42.30
Murray	2.33	4.16	2.37	7.16	2.21	18.49	1.62	2.55	0.32	4.99	2.76	2.90	51.86
Oneonta	2.84	3.17	2.12	4.98	1.48	11.67	3.46	4.04	0.36	3.67	3.41	2.27	43.47
Owensboro (No. 1)	1.71	2.20	1.75	4.13	4.33	10.66	1.10	2.82	0.14	3.29	2.68	2.26	37.07
Owensboro (No. 2)	1.66	2.95	1.92	4.23	4.22	11.59	1.05	2.67	0.14	3.49	3.33	3.18	40.43
Paducah	2.26	2.70	2.61	6.02	2.60	19.22	0.92	3.61	0.00	5.16	5.06	3.01	53.17
Paducah (near)	2.10	3.15	2.24	6.00	2.69	18.03	1.56	5.98	0.00	4.46	5.22	3.22	55.45
Pikeville	2.38	2.82	3.34	7.04	4.90	4.00	4.58	5.04	2.58	0.86	4.30	1.54	43.38
Prestonsburg	2.54	1.65	3.96	5.48	3.42	7.93	4.40	6.11	2.06	2.30	3.64	2.04	45.53
Princeton	1.98	3.48	2.22	4.91	4.92	15.52	0.93	3.04	0.03	4.92	4.06	3.81	49.82
Quicksand	2.77	2.70	4.80	5.49	3.10	8.47	6.88	6.20	2.60	3.97	4.22	2.30	53.50
Ravenna	0.90	2.15	2.38	3.68	2.70	11.46	6.95	6.15	0.00	2.87	4.84	1.35	45.43
Richmond	2.67	2.25	2.83	2.22	3.42	10.37	4.60	4.38	0.57	3.40	4.94	1.08	42.73
Rumsey	1.92	2.55	2.21	4.88	3.33	12.12	1.87	4.18	0.00	3.83	3.70	3.21	43.80
Russellville	1.77	2.04	1.99	3.76	3.95	12.99	4.66	4.78	0.24	6.33	2.86	1.87	47.24
St. John	3.48	3.47	1.72	4.86	5.13	14.26	2.57	3.94	0.60	4.25	3.70	3.20	51.18
Salvisa	3.82	2.73	2.50	3.23	3.56	13.69	7.93	7.11	0.76	2.98	4.39	2.39	55.09
Scott	2.14	3.23	0.99	4.38	1.20	9.88	3.24	3.05	0.56	4.95	3.27	2.63	39.52
Sergent	2.83	1.39	2.80	6.54	5.81	3.57	3.32	5.32	2.34				
Shelbyville	2.79	2.52	3.47	4.18	3.83	9.87	7.30	4.15	0.68	3.37	3.58	3.14	48.88
Taylorsville	3.01	2.31	3.13	3.70	3.48	12.24	4.46	5.57	1.11	5.77	4.15	2.85	51.78
Tyrone	2.65	2.63	1.84	3.55	2.39	13.79	5.65	5.29	0.67	4.71	4.41	2.09	49.67
Uniontown (Dam 49)	1.73	2.78	1.80	4.58	5.01	12.01	0.73	2.44	0.16	5.51	3.33	2.57	42.65
Valley View	2.58	1.84	2.45	2.55	3.24	10.66	5.85	6.41	0.56	3.23	6.97	1.89	48.23
Vanceburg	1.54	2.79	4.20	3.77	1.31	6.40	4.42	3.93	0.30	3.07	4.06	1.17	36.96
Whitesburg	1.85	0.88	3.48	5.91	6.61	5.45	2.77	5.28	4.04	1.98	3.81	0.79	42.85
Williamsburg	2.69	1.59	4.46	5.93	6.99	11.19	3.86	5.75	2.74	4.08	4.65	1.48	55.41
Williamstown	2.38	2.27	2.57	5.11	1.77	7.83	4.55	2.49	1.09	5.28	3.30	2.79	41.43
Willow	2.41	1.79	2.22	3.26	3.30	10.96	7.00	5.20	0.95	2.30	4.50	1.00	44.89
Woodbury	2.42	2.78	2.26	2.96	4.06	13.62	6.39	2.48	0.81	5.96	3.45	2.32	48.88
Louisiana													
Abbeville		5.35	3.00	4.19	1.67	10.16	4.69	5.42	4.44	2.54	2.32	3.28	
Alexandria	T.	3.43	5.55	9.52	5.91	6.31	7.74	1.68	2.03	2.27	3.29	3.79	51.52
Amite	0.91	4.44	6.24	7.73	6.38	10.39	8.67	5.39	4.41	1.23	1.84	5.54	63.17
Angola	0.60	5.47	6.62	7.83	8.71	9.80	3.93	10.41	2.33	1.00	2.78	3.30	62.78
Baton Rouge	0.60	6.24	6.09	4.52	4.13	14.52	6.23	7.47	5.40	0.49	1.77	3.81	61.27
Burrwood	2.71	10.94	2.17	6.94	2.92	7.66	12.75	4.04	10.66	2.92	2.44	3.99	70.14
Calhoun	1.10	1.95	2.87	10.34	4.66	4.31	6.13	2.42	1.36	6.60	2.94	5.10	49.78
Cheneyville	0.60	2.55	4.15	8.12	4.82	12.07	7.95	1.09	1.55	2.88	2.27	3.17	51.22
Cinclare	0.82	6.53	6.14	6.39	5.47	15.33	8.60	9.38	5.16	0.38	1.91	4.95	71.06
Clinton	1.25	4.27	3.84	4.30	5.39	10.36	7.47	6.28	3.35	0.51	1.98	3.95	52.95
Covington	0.66	5.99	4.00	5.28	4.84	14.97	7.65	4.92	6.01	3.70	2.22	4.50	64.74
Crowley	0.86	5.14	3.88	6.65	1.06	5.39	3.49	2.75	4.19	2.70	3.12	3.89	42.12
Delta Farms	1.53	6.95	1.85	6.76	2.46	12.16	5.01	3.30	8.52	3.11	9.14	5.24	66.03
De Ridder	0.66	2.62	4.28	4.76	1.22	6.46	5.88	2.60	0.40	2.26	3.76	3.18	38.08
Dodson	0.55	2.84	4.07	11.05	7.86	5.38	7.41	1.31	1.68	2.20	3.87	4.12	52.34
Donaldsonville	0.30	5.24	4.80	5.97	4.96	16.45	3.68	7.88	4.59	1.29	1.59	4.81	61.56
Elizabeth	0.31	3.49	5.85	8.98	3.55	8.18	2.38	1.76	0.76	4.04	3.48	2.90	45.68

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Louisiana—Continued													
Franklin	0.68	6.65	4.19	5.85	1.42	19.06	10.20	11.23	6.66	1.32	1.60	5.42	73.65
Franklinton	0.61	3.96	4.11	7.14	6.03	12.89	5.00	5.30	5.90	2.56	1.84	4.78	60.12
Grand Cane	0.44	3.08	5.43	4.62	2.58	5.27	5.53	2.34	2.09	3.98	4.87	5.15	45.38
Grand Coteau	0.34	4.30	5.70	4.54	5.13	7.68	6.58	4.65	3.10	1.41	3.62	4.16	51.21
Hammond	0.34	4.28	4.05	6.20	4.38	10.35	7.89	3.24	3.70	2.25	1.97	4.75	53.40
Houma	2.28	6.33	2.69	5.31	2.29	11.49	8.98	8.34	9.27	4.61	1.97	4.09	67.65
Jennings	0.35	3.89	4.84	5.38	2.69	6.23	5.59	3.21	4.26	2.59	3.80	3.77	46.60
Lafayette	0.35	4.79	5.56	4.72	2.93	7.64	8.10	4.25	5.31	2.35	3.42	5.21	54.63
Lake Arthur	0.45	6.14	------	6.40	3.80	10.80	5.55	2.20	4.05	1.85	4.20	4.95	------
Lake Charles	0.37	3.93	5.30	2.36	1.24	4.01	6.27	2.64	6.07	4.42	2.80	4.36	43.77
Lake Providence	2.17	------	------	------	2.00	4.10	4.94	------	2.11	1.06	------	------	------
Logansport	0.94	4.22	9.34	4.76	2.50	6.94	6.48	0.00	T.	4.54	7.96	5.04	52.72
Melville	0.72	5.93	4.87	4.26	6.60	9.84	7.14	5.01	3.21	2.55	3.08	4.20	57.41
Minden	1.62	2.01	3.54	6.00	2.50	9.10	4.70	0.98	1.00	5.61	3.97	5.07	46.10
Monroe	1.61	3.48	4.40	11.12	4.13	4.18	7.75	1.26	2.77	2.52	3.90	4.61	51.73
Morgan City	0.63	5.58	2.67	5.98	2.83	9.36	7.79	7.31	11.70	3.10	1.66	4.29	62.90
Natchitoches	1.31	2.48	5.56	8.01	4.53	4.00	4.27	1.60	------	------	4.26	------	------
Newellton	------	------	------	------	------	------	5.10	3.87	1.83	------	4.52	3.23	------
New Iberia	0.82	6.22	4.60	5.08	2.43	16.17	5.88	6.96	5.22	1.54	2.92	4.33	62.17
Newllano	0.00	2.90	4.25	------	------	------	------	------	------	------	------	------	------
New Orleans (Weather Bureau)	2.29	7.63	5.42	7.47	6.48	12.68	5.81	6.61	3.85	3.36	5.10	6.06	72.76
New Orleans (No. 2)	1.70	8.50	2.55	6.72	4.44	13.66	7.19	4.62	4.04	2.82	4.12	5.67	66.03
New Orleans (No. 3)	1.14	6.34	1.18	5.78	4.26	12.83	3.94	8.87	6.06	0.93	2.27	3.59	57.19
New Orleans (No. 5)	2.21	6.11	2.55	7.78	5.37	12.08	4.08	5.17	4.01	3.95	5.07	5.20	63.58
New Orleans (No. 6)	2.22	7.75	4.73	7.32	6.26	12.74	3.94	7.15	3.85	3.01	5.07	5.99	72.03
New Orleans (No. 7)	1.12	7.57	3.80	6.23	5.25	15.68	5.11	7.24	2.95	2.00	3.73	5.70	66.38
New Orleans (No. 8)	1.67	7.41	4.14	6.25	6.94	13.66	6.41	2.82	4.27	5.05	6.15	5.75	70.52
Paradis	2.87	8.00	2.76	7.02	3.40	18.00	8.21	2.81	6.59	2.31	2.79	5.86	70.71
Pearl River	0.94	5.39	4.44	6.60	8.43	18.41	5.05	7.36	4.03	8.70	3.78	6.79	79.92
Pharr	0.60	7.00	3.40	5.80	2.50	12.70	7.85	------	------	------	------	------	------
Plain Dealing	1.31	3.48	4.93	7.60	2.90	6.79	5.82	0.27	0.51	5.07	2.85	6.00	47.53
Port Eads	2.10	10.31	2.14	9.39	3.67	12.56	7.91	4.74	11.97	1.95	2.41	4.44	73.59
Reserve	0.92	7.27	4.92	8.08	3.65	17.51	3.72	7.80	4.15	3.25	------	7.06	------
Robeline	1.82	2.50	5.31	11.81	5.86	5.92	7.78	0.91	1.92	1.56	3.81	4.96	54.16
Ruston	1.23	2.25	2.94	10.20	2.48	3.32	3.73	1.15	1.95	2.82	1.76	5.15	38.98
Schriever	1.15	7.85	3.40	7.00	3.25	13.70	2.87	4.85	8.05	1.90	1.55	5.97	61.54
Shreveport	1.19	2.93	4.08	5.81	2.57	3.30	3.46	1.44	0.38	4.08	2.87	4.86	36.97
Simmesport	------	------	------	------	------	------	------	4.62	2.55	2.17	1.55	4.59	------
Tallulah	1.54	2.69	3.35	10.09	3.25	7.04	7.41	3.61	0.95	1.07	2.89	2.63	46.52
Ville Platte	1.46	3.61	6.06	6.10	7.68	7.52	5.35	3.26	2.51	2.75	2.10	3.79	52.19
Winnsboro	0.99	2.83	2.57	8.32	4.66	9.39	4.23	0.89	0.75	3.05	3.78	4.63	46.09
Woodworth	------	------	------	------	------	------	3.40	3.78	1.29	3.10	3.74	5.37	------
Maine													
Alfred	------	------	------	3.82	3.66	5.04	5.08	5.21	3.34	------	------	------	------
Aziscohos Dam	3.01	2.06	2.52	3.20	5.33	2.81	2.81	5.20	4.91	3.88	3.51	2.91	42.15
Bangor	3.06	2.40	2.67	3.35	5.06	2.74	2.82	2.59	5.39	3.17	2.01	2.73	37.99
Bar Harbor	3.26	2.67	2.81	4.60	6.39	4.15	2.41	3.00	4.60	3.61	1.74	4.68	44.01
Black Cat Mountain	------	------	------	------	------	1.50	2.00	------	------	------	------	------	------
Caratunk	------	------	------	------	------	------	------	3.11	------	------	------	------	------
Chamberlain Lake	------	------	------	------	------	------	1.77	3.65	------	------	------	------	------
Cooper Mountain	------	------	------	------	------	------	4.46	4.65	------	------	------	------	------
Cupsuptic	------	------	------	------	5.55	2.40	3.02	4.58	5.32	5.20	4.42	------	------
Danforth	1.65	1.38	1.98	2.78	3.48	3.68	3.04	6.03	3.92	4.54	1.31	4.86	38.65
Dead River	------	------	------	------	------	------	------	2.90	------	------	------	------	------
Eastport	3.18	1.59	2.47	2.14	2.06	3.52	3.20	3.94	3.76	2.66	1.71	2.74	32.97
Ellsworth	3.11	2.56	2.87	4.38	3.72	3.01	3.86	2.76	4.24	3.62	1.86	4.20	40.19
Eustis	3.19	1.37	2.34	3.31	3.92	2.52	2.41	2.98	4.37	3.98	2.62	2.46	35.47
Farmington	4.10	1.87	2.88	4.12	6.37	3.96	3.23	4.73	5.40	2.61	2.20	4.72	46.28
Fort Fairfield	3.30	1.37	1.67	3.22	3.26	2.30	5.55	4.22	3.89	3.39	2.52	3.79	38.48
Fort Kent	3.05	1.60	------	4.15	5.23	5.19	8.29	3.48	2.07	4.01	2.97	4.09	------
Gardiner	3.58	2.57	2.56	4.02	7.44	2.96	3.54	4.85	6.03	2.26	1.56	3.74	45.11
Green Mountain	------	------	------	------	------	3.00	4.17	6.51	------	------	------	------	------
Greenville	4.01	1.69	2.55	3.87	4.63	3.58	3.86	4.52	4.02	3.84	2.71	3.27	42.55
Hages Mountain	------	------	------	------	------	------	------	4.28	------	4.13	------	------	------
Hardwood Mountain	------	------	------	------	------	------	6.30	4.38	------	------	------	------	------
Hiram	2.91	2.48	2.07	4.24	3.77	4.20	2.58	5.94	2.84	0.85	1.23	3.21	36.32
Houlton	3.15	1.92	2.11	3.73	2.19	2.42	2.70	3.74	3.53	3.27	2.48	4.10	35.34
Jackman	3.16	1.69	2.78	3.32	4.97	2.98	1.91	2.97	3.34	4.65	2.21	2.03	36.01
Kingfield	------	------	------	------	------	------	4.48	3.39	5.81	------	------	------	------
Lead Mountain	------	------	------	------	------	3.95	2.44	------	------	------	------	------	------
Lewiston	3.68	2.64	2.97	4.25	4.87	2.84	3.43	3.84	5.33	1.51	1.70	4.49	41.55
Lincoln	2.85	1.78	2.79	4.67	1.15	------	2.71	3.83	3.62	2.51	2.53	3.56	------
Machias	2.97	2.28	3.46	7.81	4.01	------	3.68	1.70	5.09	3.91	1.96	5.01	------
Madison	3.76	2.02	2.64	3.69	6.69	2.62	1.66	3.68	5.63	2.65	1.77	3.38	40.19
Masardis	------	------	------	------	------	------	3.61	3.87	3.20	------	------	------	------
Middle Dam	3.28	1.87	2.49	2.69	5.08	2.77	2.78	5.98	4.27	3.46	2.49	2.82	39.98
Millinocket	3.41	2.21	2.54	3.78	4.27	4.91	4.51	5.06	4.48	3.12	3.07	3.29	44.65
Milo	3.36	1.70	1.11	2.91	5.12	2.39	2.94	4.07	3.44	3.83	2.29	1.54	34.70
Mount Agamenticus	------	------	------	------	------	------	------	4.71	3.71	------	------	------	------
North Bridgton	3.74	3.07	3.38	3.94	4.75	3.70	3.30	3.77	4.44	0.91	1.87	3.94	40.81
Oldtown	3.99	2.19	2.89	3.55	4.16	2.73	2.37	4.04	4.76	3.33	1.98	3.49	39.48
Orono	5.09	4.91	4.02	3.81	4.80	2.95	3.78	3.07	5.61	3.04	3.03	3.87	47.96
Passadumkeag	------	------	------	------	------	------	3.03	------	------	------	------	------	------
Patten	------	------	------	------	------	------	5.12	4.24	3.53	------	------	------	------
Portland	2.83	3.94	2.79	4.96	4.61	3.32	2.52	3.52	3.86	2.26	1.62	3.55	39.78
Presque Isle	3.36	1.08	1.56	2.46	5.59	3.06	4.62	3.30	4.80	3.59	1.58	1.72	36.72
Princeton	------	------	------	------	------	2.78	2.35	5.80	3.51	------	------	------	------
Ripogenus Dam	3.00	1.65	2.34	3.81	4.74	5.13	2.77	5.18	4.16	3.92	2.32	2.00	41.02
Rumford	3.11	1.91	1.69	3.56	3.40	3.47	3.51	3.94	4.33	2.35	2.29	2.18	35.74
Soubunge Mountain	------	------	------	------	------	------	3.45	2.44	------	------	------	------	------
Squa Pan	2.42	1.61	------	3.74	3.36	------	------	3.40	4.46	3.09	1.81	1.76	------
The Forks	2.55	1.43	1.96	3.16	5.39	2.73	2.58	4.11	4.09	3.88	2.75	2.79	37.42
Upper Dam	2.87	1.61	2.17	2.60	4.03	2.83	2.27	4.80	5.24	3.04	1.86	2.24	35.56
Upton	------	------	------	------	------	------	2.68	------	4.00	2.21	------	------	------
Van Buren	3.66	1.50	1.55	2.96	3.57	3.12	4.91	3.19	2.61	3.47	2.41	3.82	36.77
Washington Bald Mountain	------	------	------	------	------	3.08	2.79	------	------	------	------	------	------
West Rockport	3.45	4.24	3.31	3.88	7.06	3.73	1.91	3.74	3.62	2.68	2.38	3.74	43.74

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Maine—Continued													
White Cap Mountain								7.37					
Winslow	2.67	1.71	2.61	2.68	7.15	3.07	2.94	3.99	6.33	2.79	2.50	2.57	41.91
Woodland	3.26	1.87	2.56	5.13	3.24	3.27	2.21	3.42	3.92	3.99	2.64	3.85	39.36
Maryland													
Aberdeen	2.18	3.15	2.45	5.22	2.16	4.11	4.58	9.84	4.00	0.64	1.79	1.22	41.34
Annapolis	2.76	3.24	3.13	6.95	3.99	4.36	2.80	14.30	4.27	0.22	1.32	1.21	48.55
Baltimore	2.76	2.89	3.12	6.26	3.09	4.43	3.54	9.70	4.35	0.26	1.78	1.22	43.40
Bell	2.70	2.67	2.72	5.11	2.94	2.46	2.07	11.54	4.05	0.71	1.65	0.97	39.59
Boyds	2.23	2.87	2.23	5.43	3.03	9.69		7.64	3.05	0.86	2.16	0.96	
Cambridge	2.62	2.48	2.26	4.99	1.68	4.98	1.76	13.95	8.04	0.76		1.77	
Cecilton	2.56	3.26	3.18	5.05	3.84	4.61	6.53	14.80	3.92	1.76	1.41	1.76	52.68
Cheltenham	2.92	2.93	2.63	5.26	2.54	3.80	3.32	18.68	4.94	0.38	1.54	1.17	50.11
Chewsville	1.90	2.22	3.49	6.15	1.42	11.57	4.72	3.84	4.79	1.05	1.86	1.19	44.20
Clear Spring	2.26	2.09	2.15	6.29	1.36	11.01	8.12	3.57	3.26	1.62			
Coleman	2.69	3.26	2.86	5.22	3.99	4.12	3.50	11.67	4.54	1.40	2.17	1.88	47.36
College Park	2.99	2.70	2.76	4.76	3.58	2.73	1.66	12.60	3.63	1.18	1.97	1.34	41.90
Crisfield	1.38	3.15	3.28	6.34	1.66	5.41	3.31	4.76	5.62	0.26	1.41	2.94	39.52
Cumberland	0.73	1.65	2.94	6.81	1.08	5.72	7.05	3.23	2.76	1.27	1.68	1.13	36.05
Darlington	2.71	3.10	2.68	4.61	2.54	5.69	5.68	11.70	4.63	1.42	1.77	1.63	51.16
Easton	3.23	2.48	2.62	5.69	1.54	4.41	1.32	10.30	8.52	2.27	1.78	2.09	46.31
Elkton	2.36	3.93	2.60	5.30	2.90	6.22	7.74	13.61	4.77	1.15	1.30	1.84	53.22
Emmitsburg	2.15	3.69	4.11	7.08	1.91					0.71	1.55	1.51	
Fallston	2.83	3.33	2.55	5.66	2.21	6.17	5.58	14.52	4.14	0.60	1.60	1.55	50.74
Ferry Landing	2.78	2.63	2.95	6.17	2.29	4.82	3.23	14.81	5.60	0.86	1.30	1.07	48.51
Frederick	2.26	3.60	3.08	6.49	2.51	11.14	6.95	6.64	3.58	1.14	2.22	1.32	50.92
Friendsville	2.72	2.89	4.41	6.32	2.52	6.28	6.48	4.13	2.73	1.82	3.54	1.60	45.44
Frostburg	1.82	1.59	4.99	7.57	1.15	6.98	4.73	3.34	3.49	1.17	2.67	0.83	40.33
Grantsville	2.80	2.23	4.81	7.34	1.85	6.31	3.37	4.14	2.74	1.55	3.72	1.48	42.34
Great Falls	3.12	2.83	1.82	5.12	2.85	4.34	2.09	8.02	2.91	0.93	1.51	1.77	37.31
Hancock	0.71	1.45	3.09	6.59	0.75	7.68	4.61	4.35	4.20	1.49	1.78	0.87	37.57
Keedysville	1.74	2.70	3.38	6.06	1.28	6.75	4.14	5.40	4.02	1.67	1.78	1.25	40.17
Laurel	2.79	2.48	2.16	4.35	3.39	3.74	2.31	12.38	3.97	0.80	1.53	1.09	40.99
Lutherville	3.64	3.32	2.73	5.41	3.98	6.57	7.87	13.33	4.56	0.56	1.73	1.68	55.38
Maryland Line	4.65	3.60	2.25	5.77	2.09	8.35	5.76	7.56	3.17	1.06	2.21	1.72	48.19
Mechanicsville	2.06	2.42	3.10	7.17	2.11	5.15	2.18	15.34	5.95	2.23	1.40	0.99	50.10
Millington	3.27	2.76	3.21	5.12	3.16	3.68	6.07	15.58	4.07	0.93	1.78	2.19	51.82
Newburg	1.61	1.83	2.76	6.48	1.56	4.50	2.18	13.60	7.22	0.93	1.29	1.01	44.97
Oakland	2.40	2.72	4.34	6.20	2.88	5.55	6.81	4.45	2.17	1.95	4.23	1.88	45.58
Picardy	1.26	1.43	2.65	6.93	2.16	7.67	2.38	4.51	3.12	1.29	1.51	1.01	35.92
Pleasant Hill	3.47	3.50	2.71	5.78	2.11	8.84	8.20	9.00	3.92	1.25	2.29	1.31	52.38
Pocomoke City								3.55	6.17	1.11	1.57	2.63	
Princess Anne	1.83	3.11	2.59	4.95	2.30	4.60	3.54	5.03	5.58	0.34	1.04	1.81	36.72
Public Landing	1.49	2.87	2.48	5.12	1.19	3.89	2.74	3.87	0.49	0.94	1.70	2.14	34.92
Ridgely	3.27	2.76	2.74	5.58	2.50	3.15	2.65	11.93	7.67	1.76	2.38	2.38	48.77
Rock Hall	2.93	3.67	3.31	5.09	4.81	3.78	5.10	13.51	4.31	0.73	1.87	2.30	51.41
Salisbury	1.75	2.22	2.57	5.21	1.37	4.70	3.76	6.94	6.53	0.19	1.13	1.97	38.34
Sines								3.99	2.71	1.44	4.09	1.87	
Solomons	1.61	2.08	2.19	5.65	2.31	2.30	4.11	9.25	2.99	0.73	1.04	1.97	36.33
State Sanatorium	2.45	3.26	3.72	8.37	2.01	10.60	4.68	3.44	5.90	1.03	2.10	1.41	48.97
Stevensville	2.97	2.98	3.88	6.87	3.41	4.39	3.10	13.86	5.48	0.43	1.34	1.48	50.19
Takoma	2.97	2.40	2.22	4.27	3.25	2.45	1.29	9.89	3.14	0.71	1.43	1.47	35.49
Towson	3.32	3.26	2.79	5.52	4.08	5.65	5.86	11.34		0.60	1.63	1.72	
Western Port	1.82	2.10	4.31	7.14	1.85	6.49	3.55	3.79	2.87	0.99	2.53	1.35	38.79
Westminster	2.62	3.68	2.74	5.86	2.10	9.39	3.59	5.68	3.87	0.97	1.83	1.49	43.82
Woodstock	3.16	2.61	2.65	5.52	2.80			6.20	3.56	0.88	1.80	1.31	
Massachusetts													
Amherst	2.19	2.90	1.17	4.16	3.25	6.97	6.23	8.40	3.07	0.87	1.79	0.97	41.97
Ashland	2.55	3.56	1.94	5.07	2.37	5.79	4.98	4.35	3.63	3.34	2.07	2.65	42.30
Blue Hill	2.36	3.74	2.14	4.99	3.84	6.87	4.60	4.78	5.16	3.27	1.91	3.18	46.84
Boston	1.66	2.66	1.56	4.68	3.08	5.56	4.14	2.45	4.47	2.88	1.85	2.61	37.60
Boylston	2.77	3.89	2.05	5.06	2.78	6.24	3.95	4.40	3.50	1.86	2.43	2.26	41.19
Chester	2.75	3.42	2.24	6.12	2.53	6.42	5.89	8.36	3.24	0.56	2.32	1.22	45.07
Chesterfield	2.86	2.99	1.95	4.76	4.15	9.22	6.33	7.66	4.93	0.96	1.60	1.03	48.44
Chestnut Hill	2.80	3.63	1.87	5.55	3.37	6.58	4.54	2.91	4.26	3.79	2.08	2.63	44.01
Clinton	2.81	4.14	2.00	5.96	2.78	6.71	3.89	4.09	3.68	2.02	2.54	2.30	42.92
Concord	2.45	3.30	1.67	4.89	2.48	5.38	5.46	2.59	4.09	3.01	1.59	3.19	40.10
East Wareham	3.12	4.62	2.80	3.76	2.04	4.72	5.87	0.69	6.29	1.66	1.30	4.64	41.51
Egremont	2.40	3.71	1.70	4.16	2.39	5.86	7.52	8.34	2.81	0.75	1.90	0.95	42.49
Fall River	3.26	4.25	3.01	3.16	1.23	4.11	5.06	2.49	5.03	4.31	1.78	1.94	39.63
Falmouth	3.37	5.13	3.60	4.94	2.80	5.58	4.26	0.80	8.04	1.19	3.82	3.14	46.67
Fitchburg	2.67	3.78	1.81	5.66	2.97	6.29	7.11	4.71	3.85	1.38	2.52	1.88	44.63
Framingham	2.78	3.52	1.82	5.37	2.27	6.13	5.93	4.46	3.92	3.31	2.26	2.75	44.52
Franklin	2.32	3.54	1.89	5.04	1.55	4.40	3.18	3.33	3.83	3.59	1.57	2.61	36.85
Groton	2.00	3.37	2.46	5.00	2.60	6.57	4.64	4.96	3.72	1.48	2.41	2.10	41.31
Hardwick	2.40	2.98	2.00	5.82	2.31	6.72	5.67	7.02	3.00	1.66	1.86	0.96	42.40
Haverhill	1.93	3.13	1.40	4.91	2.93	5.32	4.13	4.86	3.00	2.53	0.99	3.92	39.05
Heath	2.30	2.53	2.06	4.03	3.40	7.84	5.11	6.88	3.01	0.95	2.23	0.90	41.24
Hingham	2.13	3.96	1.51	5.20	2.36	6.23	3.95	3.43	4.31	4.14	1.89	3.32	42.43
Hobbs Brook	2.29	2.95	1.53	4.80	2.22	5.85	4.25	3.38	4.19	3.32	2.23	2.61	39.42
Holyoke	2.90	3.42	2.58	5.00	2.64	6.96	5.21	9.37	2.86	0.89	1.07	1.67	44.57
Hubbardston	2.45	2.94	1.72	4.82	2.84	7.17	6.25	6.08	3.30	1.53	2.20	1.46	42.76
Hyannis	3.17	4.71	3.36	3.95	3.43	4.65	4.41	0.38	6.12	0.87	3.23	3.65	41.93
Ipswich	2.18	3.59	1.64	5.28	3.40	5.35	4.89	4.57	5.37	2.95	2.26	3.12	44.60
Jefferson	3.38	4.51	2.31	5.76	2.54	6.87	4.83	5.57	4.00	2.37	2.12	2.08	46.34
Lake Cochituate	2.26	3.58	2.01	5.27	2.39	5.75	4.98	3.94	3.72	3.31	2.17	2.71	42.09
Lawrence	3.12	3.77	2.28	5.18	2.69	5.33	4.24	4.91	4.13	3.45	1.25	4.38	44.73
Leominster	3.09	3.65	1.71	5.56	3.00	6.63	5.77	4.90	3.90	1.49	1.90	2.57	44.17
Lowell	2.57	3.32	2.20	5.11	2.47	5.32	4.93	6.71	4.42	2.32	2.27	2.74	44.38
Mansfield	2.70	4.19	2.66	5.01	1.94	4.57	5.63	1.56	4.88	4.36	1.53	3.56	42.59
Marston's Mills					2.25	3.30			4.40				
Middleton	2.09	3.37	1.33	4.95	2.58	6.75	3.87	2.96	5.39	2.95	2.18	2.78	41.20
Mount Wachusett				4.49	3.60	7.72	5.37	6.22	4.01	1.89			
Nantucket	3.22	4.81	3.22	3.44	3.13	4.34	3.50	0.57	6.98	0.61	4.24	3.61	41.67
New Bedford	2.98	3.73	3.00	4.29	1.75	4.92	4.24	0.53	4.78	1.47	1.61	2.96	36.26
Northbridge	2.66	3.35	1.95	5.16	1.33	5.31	5.36	3.62	3.19	3.71	2.34	3.50	40.38

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
***Massachusetts*—Continued**													
Norton					2.49	4.73			2.98				
Otis	1.90	2.89	1.67	4.20	2.44	5.48	6.86	10.24	3.16	0.50	1.76	1.10	42.20
Pembroke	2.58	3.51	1.52	4.13	1.66	4.74	4.13	2.03	3.49	3.41	2.28	3.39	36.87
Petersham	2.23	3.08	2.34	4.58	2.90	8.18	6.08	6.53	3.37	2.18	2.10	2.00	45.57
Pittsfield	3.47	3.50	2.27	3.50	3.33	7.99	5.92	7.35	1.58	1.03	1.35	1.75	43.04
Plymouth	3.23	4.29	4.41	4.69	2.29	5.38	4.07	2.11	5.50	1.38	2.77	3.96	44.08
Princeton	3.01	3.43	1.86	4.86	3.21	6.69	5.23	5.83	3.92	1.99	2.62	1.96	44.61
Provincetown	3.09	5.25	3.55	4.05	2.49	3.95	5.25	2.58	5.50	0.68	1.80	3.55	41.74
Roberts Dam	2.62	3.52	1.64	5.13	2.79	6.01	3.63	3.83	4.65	4.56		2.64	
Rockport	2.24	5.10	1.43	5.17	2.36	4.50	4.82	2.60	2.95	3.50	2.11	3.23	39.91
Southbridge	2.70	3.88	1.88	4.62	1.61	5.40	6.69	5.80	3.55	1.89	2.09	1.85	41.96
South Carver					1.83	4.67			5.25				
Spot Pond	2.54	3.59	2.21	5.86	4.02	6.65	5.10	4.17	4.75	3.81	2.28	3.15	48.13
Springfield	2.41	3.92	2.49	4.94	1.79	4.99	5.37	10.41	2.58	0.86	1.83	0.72	42.31
Sterling	2.95	3.83	2.09	5.53	3.16	6.77	4.98	4.50	3.92	1.73	2.43	2.02	43.91
Taunton	2.52	3.26	2.37	5.36	2.29	5.11	4.69	1.58	5.37	5.05	2.37	2.62	42.59
Turners Falls	2.52	2.68	2.08	4.89	3.22	5.69	6.71	7.55	4.12	0.60	1.77	0.86	42.69
Weston College												1.97	
Westfield	3.29	3.96	2.25	4.56	2.66	4.31	6.18	9.75	2.99	0.68			
West Rutland	2.44	3.38	1.81	4.54	3.04	6.38	5.74	6.55	3.06	2.18	2.00	1.77	42.89
Williamstown	1.45	3.21	1.72	3.51	2.90	5.85	5.28	5.78	2.73	1.27	2.22	0.94	36.86
Winchendon	2.96	2.60	1.74	4.49	2.50	5.91	6.55	8.42	3.99	1.38	1.64	1.69	43.87
Worcester (No. 1)	3.30	4.05	1.71	5.02	3.05	6.84	5.37	4.08	3.51	1.87	1.76	2.55	43.11
Worcester (No. 2)		3.59	1.99	4.12	2.76	6.58	4.96	4.25	2.83	1.85			
Michigan													
Ada	1.89	1.42	1.87	2.72	2.67	5.15	1.54	4.32	2.31	3.61	3.92	2.63	34.05
Adrian	1.15	2.52											
Albion	1.67	1.21	2.28	2.11	4.33	4.13	2.83	2.12	2.00	2.80	2.95	2.81	31.24
Alcona (near)	1.40	1.61	3.20	4.14	1.70	4.64	2.61	4.41	2.45	2.88	3.08	1.26	33.38
Allegan	2.73	1.11	1.50	3.09	2.95	4.76	1.27	1.86	3.56	4.21	5.44	2.64	35.12
Alma (No. 1)	0.64	1.73	2.96	2.64	3.22	7.40	2.78	5.89	1.97	2.99	4.11	2.28	38.61
Alma (No. 2)			3.03	1.93	3.22								
Alpena	1.54	1.52	2.12	3.69	1.31	2.85	1.65	3.96	3.71	3.18	3.06	0.94	29.53
Alpena (near)	1.77	1.50	1.79	3.97	1.66	3.45	1.94	3.33	3.99	3.52	3.19	0.75	30.86
Alpha	0.66	0.79	0.94	1.50	2.19	3.90	4.42	3.62	8.57	5.15	0.45	0.35	22.54
Ann Arbor	1.41	1.33	1.05	1.62	2.61	4.22	4.75	1.99	2.11	2.19	2.46	1.23	26.97
Ann Arbor (near)		0.99	1.15	1.07	1.75	4.22	4.91		2.36	1.85	2.89	1.18	
Atlanta	1.16	1.40	2.54	5.42	1.87	3.58	2.30	2.84	4.30	4.03	2.82	0.71	32.97
Bad Axe	2.10	1.55	3.58	2.77	3.74	5.40	3.86	3.82	2.61	3.78	3.48	1.39	38.08
Bangor	4.67	1.73		3.16	2.15	3.61	2.32				5.03		
Battle Creek	1.55	1.20	1.54	1.90	3.88	4.88	2.38	4.04	2.87	3.28	3.55	2.32	33.45
Bay City	1.16	1.09	5.70	2.53	2.53	5.21	3.83	8.57	1.26	4.24	3.42	0.80	39.62
Benzonia	2.26	2.65	2.29	3.82	1.45	3.31	1.48	3.07	3.42	4.86	4.42	1.22	34.25
Bessemer	2.58	1.35	1.85	5.18	1.89	5.18	5.50	5.40	5.31	2.73	0.70	1.30	38.84
Big Rapids	1.62	2.08	2.47	3.89	3.26	6.55	1.33	3.53	3.18	4.35	4.52	2.35	39.13
Bloomingdale	2.36	1.03	1.50	2.67	1.96	4.71	1.78	2.46	3.21	5.26	4.87	1.21	33.02
Bridgeport			4.01	2.24	3.16								
Cadillac	1.48	2.39	1.81	2.64	2.05	2.99	4.13	2.76	3.37	3.56	5.12	0.73	33.03
Calumet	6.56	0.97	1.61	3.07	1.65	3.07	4.00	3.78	3.51	4.34	0.60	2.23	35.39
Caro	2.03	1.26	2.14	2.01	2.30	7.82	5.46	5.16	2.22	3.38	3.54	1.60	38.92
Cassopolis	1.47	1.55	1.59	2.01	1.58	5.04	2.17	3.65	3.02	2.82	3.48	1.48	29.86
Centerville (near)	1.34	1.44	1.27	1.42	2.18	4.97	3.77	2.75	1.52	2.01	3.31	2.27	28.25
Ceresco	1.77	1.40	1.36	2.28	4.45	4.43	1.91	4.39	2.90	3.34	2.86	3.10	34.19
Charlevoix	2.85	2.54	4.25	5.75	1.06	3.06	4.86	3.55	4.42	3.86	2.77	1.44	39.41
Charlotte	1.99	0.94	1.72	2.22	3.27	4.34	2.23	2.89	2.36	3.52	3.18	1.89	30.55
Chatham	1.73	1.39	1.38	2.69	1.60	6.39	1.58	3.36	6.34	6.85	1.22	1.58	36.11
Cheboygan	1.51	1.59	2.52	4.69	1.91	3.16	2.23	5.33	4.46	3.59	2.10	0.92	34.01
Chesaning			2.08	1.98	1.91								
Coldwater	1.28	1.32	0.74	1.75	2.59	4.27	3.16	3.76	2.45	1.94	1.73	0.34	25.33
Coloma	2.96	1.60		2.32	1.91	5.12	1.85	5.08	3.40	4.45	4.09	3.09	
Cooke Site	1.55	1.84	2.45	4.22	2.40	3.63	2.63	2.93	2.14	3.41	3.67	1.20	32.17
Croswell	2.08	0.70	2.40	1.85	3.01	3.73	9.95	4.31	1.42	2.29	3.85	1.19	36.78
Croton	0.55	2.69	3.04	3.45	2.27	4.53	0.92	0.89	2.50	3.32	4.40	3.06	31.62
Deer Park (near)	3.15	2.93	1.70	3.63	0.70	1.96	2.95	2.04	4.37	5.33	1.54	3.69	33.99
Detroit	1.36	1.34	1.99	1.96	2.57	3.83	4.07	2.02	1.68	1.82	2.69	1.38	26.71
Dimondale			2.12	2.10	3.56								
East Jordan	3.07	1.38	2.99	4.73	1.10	3.50	2.87	1.39	4.34	5.11	3.24	1.12	34.84
East Tawas	1.40	1.24	1.76	4.78	3.14	4.95	1.73	3.07	2.37	3.83	4.33	0.82	33.42
Eaton Rapids			2.59	1.11	2.23								
Eau Claire	3.48	2.15	1.46	1.73	2.72	4.71	1.93	8.37	3.19	3.16	3.61	2.30	38.81
Edenville	1.08	0.96	2.21	2.24	2.00	7.45	1.38	3.07	2.76	3.10	2.61	1.35	30.21
Edmore	0.90	2.07	3.78	3.28	3.90	5.81	1.76	5.83	3.20	3.35	5.25	2.46	41.59
Eloise	0.93	1.06	1.12	0.88	1.49	3.62	3.19	1.30	0.98	1.33	1.96	0.71	18.57
Escanaba	1.09	1.90	2.34	2.36	1.44	1.95	4.04	5.44	4.78	2.91	0.55	0.20	29.00
Fennville	2.18	1.16	1.60	3.27	2.88	7.74	1.11	2.77	3.61	4.41	6.30	3.00	40.03
Fife Lake (near)	2.48	1.86	2.91	4.20	1.30	3.27	2.83	3.28	2.61	3.17	5.27	1.55	34.73
Five Channels	1.45	1.78	2.84	5.28	1.80	3.99	1.34	3.02	2.47	3.87	3.75	1.24	32.83
Flint (No. 1)	1.30	1.31	2.00	2.20	2.76	5.27	3.94	1.76	1.61	3.66	4.02	2.07	31.90
Flint (No. 2)					3.23								
Frankfort	1.12	2.29	1.56	2.24	0.57	3.29	0.82	2.47	2.91	2.11	3.48	0.67	23.53
Ganges	1.86	1.96	2.14	3.52	2.63	7.54	1.29	3.18	3.69	4.76	6.37	3.82	42.76
Gaylord	2.60				2.44	3.64	2.59	2.17	4.77	4.03	1.92		
Gladwin	1.00	1.65							0.95	3.09		1.51	
Grand Haven	1.58	1.48	1.59	2.75	2.08	5.15	1.13	2.34	2.81	2.94	5.48	2.63	31.96
Grand Ledge (No. 1)	1.30	0.87	1.74	1.95	3.19	2.61	2.37	1.60	2.87	3.26	4.19	2.12	28.01
Grand Ledge (No. 2)			2.61	2.54	3.68								
Grand Marias	3.13	2.70	2.35	2.65	1.69	3.66	1.48	4.43	4.26	5.70	1.18	2.04	32.27
Grand Rapids	1.32	1.54	2.04	2.66	3.09	8.03	0.81	4.46	3.14	3.27	4.47	2.79	37.62
Grayling	1.57	0.88	2.75	4.56	2.63	3.53	1.41	3.19	2.93	4.38	3.06	0.84	30.73
Greenville	1.04	1.53	2.46	2.99	2.89	6.86	3.57	2.16	2.41	2.41	3.71	2.19	33.72
Harbor Beach	1.37	1.05	1.34	2.22	2.15	6.36	2.31	4.40	2.22	4.38	3.88	0.95	32.63
Harrisville	2.15	1.87	2.17	4.74	2.51	2.22	1.94	3.50	4.09	3.82	3.56	1.42	33.99
Hart	1.65	1.69	1.44	2.60	3.31	3.20	0.67	4.71	2.55	3.69	4.76	1.29	31.56
Hastings	2.27	0.93			3.18	5.09	1.51	3.10	2.05	4.43	4.00	2.47	
Hillsdale	1.86	1.67	1.58	2.12	3.74	3.61	3.89	2.38	1.66	2.07	3.59	2.32	30.49
Holland	1.84	1.48	1.99	2.64	1.75	7.02	0.72	2.66	3.79	6.53	3.95	2.59	36.24

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Michigan—Continued													
Houghton	3.00	0.96	1.49	3.88	1.72	3.15	3.81	2.39	4.08	3.75	0.72	1.27	30.22
Houghton Lake (near)	1.25	1.77	1.93	5.21	3.38	5.98	1.87	3.55	3.24	3.61	3.96	1.34	37.09
Howard City	0.95	3.56	2.10	2.76	3.15	6.59	0.74	2.37	3.25	3.07	4.01	2.50	35.05
Howell	2.78	1.30	1.07	1.88									
Humboldt	0.88	0.42	1.17	5.45	1.64	5.55	2.38	5.06	5.13	4.97	0.89	0.27	33.81
Iron Mountain	0.85	1.23	0.88	2.60	1.95	3.62	4.15	4.22	6.85	4.21	0.77	0.42	31.75
Iron River	2.11	2.16	1.18	3.49	2.05	2.48	4.83	3.64	4.71			0.50	
Iron River (near)	0.83	0.86	1.14	1.79	2.67	3.40	5.06	4.18	5.80	5.47	0.99	0.01	32.80
Ironwood	2.27	1.22	1.55	5.22	0.86	4.40	5.34	5.16	3.85	3.82	1.01	1.83	36.53
Ishpeming	1.01	0.87	1.59	3.58	1.72	7.15		4.60	5.01	5.00	1.68	0.49	
Jackson	2.32	1.11	1.37	2.24	3.01	3.37	2.65	1.28	1.82	2.47	2.96	1.81	26.41
Kalamazoo (No. 1)	3.46	1.71	1.59	3.46	3.07	5.53	2.06	2.25	3.92	4.24	3.87	2.77	37.93
Kalamazoo (No. 2)	1.59	1.38	1.01	2.05	3.43	5.54	2.54	2.49	4.59	3.74	2.72	2.36	33.44
Kent City	0.42	1.02	1.97	3.15	2.30	7.31	1.03	1.81	1.98	2.78	3.27	2.42	29.41
Lansing (Weather Bureau)	1.50	1.60	2.43	1.81	4.47	3.12	1.89	2.79	2.14	3.96	4.07	1.81	31.59
Lansing (Sugar Co.)	1.86	1.39	2.04	2.08	4.20	3.57	2.49	2.99		4.79	4.66	1.40	
Lapeer	1.44	0.71	3.21	1.69	3.67	6.50	5.01	1.38	2.49	4.64	4.62	2.23	38.09
Loud	1.81	1.68	2.74	3.89	2.05	3.65	1.73	2.60	2.28	3.34	3.61	1.40	30.88
Lowell	1.30	1.47	2.49	2.68	3.44	4.81	1.21	3.69	1.87	4.07	5.10	2.46	34.59
Ludington	1.48	2.25	1.99	2.97	1.62	3.29	1.84	2.66	1.94	3.92	4.39	1.55	29.90
Luther	2.55	2.81	2.25	4.44	2.35	4.14	2.16	4.56	3.42	3.88	4.54	1.23	38.33
Mackinac Island	1.95	2.10		4.87	1.75	2.65	2.74	5.72	4.97	5.39	1.23	0.06	
Mackinaw	1.32	1.64	2.08	3.72	1.61	5.10	1.93	5.84	4.84	4.80	1.25	0.69	34.82
Manistee							2.65	4.22	3.14	3.86	3.74		
Marquette	1.83	1.92	1.67	4.68	1.94	8.48	2.63	4.48	4.31	5.10	1.93	1.13	40.10
Midland (No. 1)	1.96	1.07	2.89	1.85	3.22	6.37	2.66	5.70	2.13	3.08	3.39	1.92	36.24
Midland (No. 2)			3.79	2.26	2.21								
Mio	0.62	0.91	1.37	2.99	3.37	2.99	3.10	4.00	3.23	2.94	3.19	1.03	29.74
Monroe	1.42	1.56	1.52	2.35	2.46	4.14	3.96	3.17	1.25	2.09	2.98	1.70	28.60
Morenci	1.30	1.95	1.56	2.05	3.47	4.30	3.48	2.25		1.52	1.97		
Mount Clemens (near)	1.21	0.96	1.09	1.58	3.53	3.68	4.57	2.44	1.13	1.79	1.99	1.23	25.20
Mount Pleasant (No. 1)	2.46	2.34	2.72	1.45	1.52	4.28		3.48	2.12	2.19	3.76	1.84	
Mount Pleasant (No. 2)				2.24	3.38								
Munising	2.66	1.70	1.60	4.09	1.59	3.85	1.31	4.46	5.29	5.63	0.89	1.38	34.44
Muskegon	1.38	1.05	0.86		1.70	4.53	0.38	2.00	1.49	3.08	3.13	0.58	
Newberry	2.06	3.11	1.46	3.62	1.88	2.76	1.91	4.69	4.71	5.31	1.14	0.82	38.55
Old Mission	1.65	1.89	2.29	3.85	1.22	3.15	2.63	4.47	2.70	3.17	3.42	0.86	31.30
Onaway (near)	1.48	2.03	4.65	3.81	1.52	6.71	4.36	1.39	5.41	2.93	1.18	0.03	35.50
Oscoda (near)	1.65	1.43	2.27	4.11	2.60	3.54	2.25	3.05	2.24	3.42	3.37	1.29	31.32
Otsego	2.49	1.01	1.20	2.19	2.42	6.24	1.18	2.62	2.46	4.29	4.12	2.46	32.68
Owosso (No. 1)	2.11	0.69	1.11	1.69	3.06	3.66	2.32	3.30	2.94	4.13	4.17	1.84	31.04
Owosso (No. 2)			0.67	1.42	3.18								
Painesdale	3.40	1.09	1.59	3.31	1.64	5.26	5.67	3.23	5.53	5.63	0.49	1.86	38.70
Paw Paw	1.27	1.56	1.29	2.28	2.10	4.97	3.14	3.82	2.81	3.92	4.23	3.94	35.33
Petoskey	2.00	1.66	2.47	3.96	0.99	2.88	3.50	3.41	5.50	4.33	2.17	1.09	33.96
Plainwell	3.18	1.39	1.27		4.10		1.19	4.67	2.85	4.64	4.85	3.24	
Pontiac	1.38	0.86	1.94	1.86	2.38	4.00	2.91	2.63	1.58	2.56	2.84	1.18	26.12
Port Huron	1.15	0.65	2.31	1.52	2.29	5.64	2.64	4.36	1.37	1.70	2.54	1.19	27.36
Roscommon	2.10	3.21	2.00	5.11	1.86	3.37	2.05	2.83	3.02	4.18		2.03	
Ruse (near)	1.95	1.95	1.65	4.13	1.36	6.10	1.41	4.09	6.35	6.41	2.39	0.65	37.44
Sack Bay	1.55	2.98	1.53	2.92	1.70	3.72	2.93	5.31	4.82	5.09	1.55	0.54	34.64
Saginaw	2.03	1.66	3.29	3.58	3.49	5.82	5.63	4.83	2.65	4.04	4.47	1.89	43.38
St. Ignace	1.65	2.15	1.44	2.83	1.54	2.75	2.44	5.77	5.08	4.97	1.08	0.58	32.28
St. Joseph	1.07	1.06	0.90	0.78	1.88	5.03	1.99	6.15	2.60	4.11	4.54	1.20	31.31
Sandusky	3.18	1.42	3.13	1.11	2.01	6.42	4.95	3.37	1.65	3.00	3.60	0.99	34.83
Saranac	1.72	1.52	2.51	2.57	3.38	3.49	0.27	3.42	1.60	4.66	4.64	2.55	32.33
Saugatuck (near)	2.24	2.23	2.22	3.36	2.38	7.96	0.85	1.83					
Sault Ste. Marie	2.35	2.55	1.94	3.80	1.64	2.12	3.46	4.09	5.47	5.12	1.12	1.39	35.05
Scottville	3.72	3.01	2.10	4.56	2.54	3.89	1.88	4.44	1.26	5.24	4.82	1.70	39.16
Secord	0.88	1.57	1.28	2.81	2.21	7.99	1.11	4.42	1.38	3.17	2.92	0.98	31.72
Seney	1.62	1.33	1.69	1.73	1.52	3.63	2.35	4.41	4.53	5.40	0.82	0.54	29.57
Shields			3.85	3.46	3.20								
Sidnaw	1.21	1.12	1.08	2.69	1.80	5.73	3.37	5.44	5.16	5.60	1.78	0.55	35.53
South Haven (No. 1)	1.52	0.92	1.53	2.28	1.76	6.75	2.18	2.92	4.37	4.01	4.61	3.49	36.34
Stanwood (near)	1.80	1.76	1.71	4.12	1.75	7.15	0.38	2.16	3.05	2.87	4.77	2.63	34.15
Stronach	1.26	2.57	1.22	4.05	2.03	2.80	3.52	3.33	2.18	4.81	4.80	1.29	33.86
Traverse City	2.39	2.15	3.08	3.82	1.60	2.36	2.26	2.87	2.90	3.75	3.48	1.23	31.89
Trowbridge	2.74	1.44	1.31	2.52	2.22	4.48	1.28	2.07	3.15	5.14	5.12	2.75	33.22
Twin Falls	0.55	1.05	0.60	1.45	2.17	2.94	2.57	4.72	5.91	4.43	0.73	0.46	27.86
Vanderbilt (near)	1.60	1.86	1.60	3.96	1.49	3.85	4.53	2.08	4.15	3.04	2.82	0.68	31.66
Vassar			2.63	2.19	3.00								
Webber Dam (near)	1.18	1.18	2.43	1.90	3.23	3.75	0.20	2.41	1.27	3.49	4.29	2.00	27.35
Wellston (near)	2.65	3.62	2.46	4.06	1.73	2.10	4.15	3.19	2.40	4.82	4.52	1.30	33.90
West Branch	1.28	1.39	1.77	4.71	3.10	6.24	1.92	3.14	2.96	4.29	3.41	0.97	35.18
Whitefish Point	5.36	3.03	1.64	3.71	2.10	1.32	1.99	4.42	5.42	5.86	1.71	1.54	38.19
Williamston			1.70	0.89	3.79								
Wolverine						2.75	3.63	1.36	4.58	3.90	2.68	0.99	
Yale	1.84	0.89	2.18	1.87	4.20	10.50	3.97	3.17	1.54	3.09	4.02	1.38	38.75
Ypsilanti	1.04	1.24	1.13	1.96	2.31	4.70	3.99	2.81	1.62	2.08	2.86	1.08	26.82
Minnesota													
Ada	0.06	0.14	0.98	2.04	0.81	3.56	6.25			0.82	0.22	0.87	
Ah-gwah-ching	0.38	0.20	1.10	1.23	0.67	3.68	3.09	5.95	3.07	2.80	0.31	0.70	23.18
Albert Lea	0.52	1.87	0.80	2.87	3.35	3.45	1.46	12.28	0.77	3.25	0.65	1.08	32.35
Alexandria	0.22	0.00	T.	0.77	0.14	2.16	6.50	4.37	1.82	2.16	0.62	0.89	19.65
Angus	0.44	T.	1.14	0.52	0.74	5.74	3.94	2.90	0.59	0.58	1.23	0.58	18.40
Argyle	0.75	0.03	1.56	0.53	0.71	5.33	3.24	2.97	0.41	0.44	1.01	0.67	17.65
Artichoke Lake	0.09	0.49	0.14	0.45	0.24	2.93	4.52	4.26	1.70	1.41	0.66	0.22	16.81
Baudette	0.24	0.03	0.58	0.58	0.78	5.18	3.79	2.58	4.10	0.58	0.39	0.46	19.29
Beardsley	0.18		0.10	0.84	0.11	3.18	6.17	4.18	1.47	2.00	0.62	0.06	
Bemidji	0.45	0.12	1.32	2.61	0.52	3.07	3.83	4.70	3.32	1.87	0.42	0.54	22.77
Bird Island	0.31	1.12	0.51	1.36	1.73	2.86	1.89	6.44	4.17	2.34	0.42	0.47	23.63
Brainerd	0.40	0.18	0.05	1.86	0.29	3.20	5.73	5.18	4.39	2.88	0.15	1.00	25.31
Campbell	0.42	0.30	0.46	2.52	0.35	4.90	4.55	5.36	2.08	2.64	0.18	0.81	24.57
Canby	0.12	1.00							1.67	1.58	0.40	0.15	
Cass Lake	0.20	0.00	0.86	1.21	0.99	3.21	3.69	6.96	3.33	2.05	0.18	0.51	23.89
Chaska	0.32	1.45	0.92	2.19	2.93	2.70	4.24	5.32	2.59	2.85	0.19	0.34	26.14
Chatfield	0.19	1.77	0.43	2.98	5.05	4.70	4.35	9.97					

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
***Minnesota*—Continued**													
Cloquet	0.59	0.32	1.54	2.80	1.75	4.56	6.27	5.72	3.66	2.78	0.30	1.43	31.72
Collegeville	0.55	1.34	0.50	2.42	0.91	2.70	3.76	5.62	3.60	2.11	0.64	0.30	24.45
Crookston	0.07	T.	0.77	0.64	1.18	6.58	2.21	4.14	1.71	0.65	0.60	0.34	18.89
Detroit Lakes	0.28	0.18	0.79	1.32	0.91	2.91	5.02	5.22	2.80	1.57	0.50	0.96	22.46
Duluth	0.70	0.30	0.83	2.90	0.95	5.72	7.08	4.03	3.86	2.16	0.30	1.16	29.99
Fairmont	0.33	1.43	1.22	3.65	2.68	3.86	0.44	8.09	1.46	1.60	1.15	1.01	26.92
Faribault	0.29	1.22	0.57	2.52	2.34	2.45	1.02	------	1.62	1.18	0.26	0.18	------
Farmington	1.18	1.40	0.60	2.95	------	2.21	5.60	4.13	1.15	2.25	------	0.40	------
Fergus Falls	0.48	0.36	1.03	1.14	0.87	2.89	6.65	7.58	2.53	2.29	0.26	1.06	27.14
Fort Ripley	0.14	0.10	0.21	1.30	0.56	2.79	5.08	3.79	3.45	3.64	0.30	0.87	22.23
Fosston	0.20	1.15	2.80	1.60	1.00	4.48	1.89	4.37	1.20	1.30	0.15	0.41	20.55
Gonvick (near)	0.50	0.29	1.71	1.85	0.43	4.20	3.42	6.82	3.87	0.95	0.25	0.08	24.37
Grand Marais	------	0.10	1.55	2.05	1.28	5.89	4.89	3.54	4.28	2.15	0.87	1.00	------
Grand Meadow	0.38	1.99	0.68	3.09	2.04	4.13	3.37	10.35	2.85	4.02	1.42	1.24	35.51
Grand Rapids	0.43	0.27	0.96	2.97	0.73	4.40	5.04	6.64	4.32	2.48	0.26	0.57	29.07
Gull Lake Dam	0.43	0.23	0.38	1.79	0.31	3.18	6.38	4.94	3.17	3.22	0.30	1.12	25.45
Hallock	0.32	0.04	0.70	0.35	1.32	4.40	4.47	1.62	0.42	0.60	1.30	0.87	16.41
Isabella	0.80	0.01	0.75	2.06	1.01	3.85	------	------	------	------	------	------	------
Itasca State Park	0.25	0.05	0.90	------	------	3.20	5.99	6.02	3.98	1.71	0.21	0.57	------
Leech Lake Dam	0.38	0.11	1.30	2.39	1.29	4.75	4.14	9.17	3.50	2.00	0.16	0.73	30.52
Little Falls	0.06	0.25	0.95	2.92	0.83	1.82	5.26	4.15	3.88	3.61	0.20	0.74	24.67
Lynd	0.26	1.95	------	------	------	------	1.40	7.56	2.77	1.83	0.65	------	------
Mahnomen	------	------	------	------	0.28	4.46	4.12	6.00	2.46	1.36	0.33	0.24	------
Mankato	0.30	1.56	0.71	3.22	2.52	3.51	1.04	8.87	3.19	2.61	0.28	0.30	28.11
Mapleplain	0.42	1.82	1.05	3.08	2.03	3.63	4.05	4.78	2.75	3.01	0.45	0.64	27.71
Meadowlands	0.52	0.25	0.30	1.78	0.55	5.37	5.79	5.34	3.77	3.87	0.28	0.67	28.49
Milaca	0.51	0.52	0.37	1.59	1.62	5.72	5.53	5.82	3.30	2.61	0.36	1.21	29.16
Milan	0.20	0.60	0.25	1.25	1.45	2.28	2.90	5.23	1.77	1.77	0.25	0.07	18.02
Minneapolis (Weather Bureau)	0.33	1.51	0.93	2.33	2.38	2.59	3.68	5.84	2.17	3.17	0.35	0.43	25.71
Minneapolis (No. 1)	0.42	1.36	0.81	2.35	2.54	3.32	3.68	6.33	2.46	3.39	0.24	0.59	27.49
Montevideo	0.81	------	------	0.98	0.69	1.44	2.00	6.69	1.64	2.17	0.46	0.36	------
Moorhead	0.22	0.44	0.71	1.37	0.46	3.13	7.17	6.42	2.28	1.01	0.30	0.44	23.95
Mora	0.52	0.65	0.51	2.01	1.15	5.73	5.08	5.61	3.90	3.00	0.34	0.73	29.23
Morris	0.55	0.46	0.25	1.92	0.20	4.69	6.47	4.12	1.45	2.25	0.87	0.20	23.43
New London	0.13	0.56	0.67	0.38	T.	2.72	4.58	4.01	3.93	1.43	0.20	0.38	18.99
New Ulm	1.10	1.69	1.30	4.59	2.45	4.48	2.87	10.56	5.80	3.40	1.00	1.07	40.31
Orr	0.49	0.09	1.01	2.50	0.52	4.69	6.28	7.62	4.49	2.35	0.58	0.45	31.07
Park Rapids	0.28	0.10	0.95	1.38	0.64	3.36	4.60	7.12	3.28	2.09	0.47	0.73	25.00
Pigeon River Bridge	0.28	0.09	0.88	2.92	1.57	6.73	4.51	5.15	4.78	1.87	1.19	0.58	30.55
Pine River Dam	0.51	0.23	0.73	1.69	0.39	3.51	5.07	4.42	5.15	2.80	0.35	0.79	25.64
Pipestone	0.22	1.30	1.34	1.24	2.56	4.28	2.55	4.91	2.39	2.03	0.56	0.35	23.73
Pokegama Falls	0.36	0.04	0.71	2.09	0.73	4.25	4.57	6.47	4.98	2.60	0.25	0.45	27.50
Redby	0.39	T.	1.42	1.56	0.55	4.08	4.35	5.31	4.12	0.74	T.	0.52	23.04
Red Lake Falls	0.46	------	1.38	1.15	0.47	5.42	4.10	7.31	2.36	0.42	1.66	0.39	------
Red Wing	------	------	0.52	4.80	2.62	3.02	4.20	8.81	2.50	2.90	0.44	------	------
Redwood Falls	0.36	1.93	0.80	2.07	2.09	2.55	2.23	7.08	3.09	2.00	0.30	0.81	25.31
Reeds	------	------	0.36	2.50	1.98	5.02	3.91	11.79	6.02	2.73	0.56	------	------
Rochester	------	------	------	------	------	------	------	------	------	2.18	0.53	0.48	------
Roseau	0.42	T.	1.11	0.39	0.61	6.82	3.25	2.43	0.90	0.22	0.96	0.88	17.99
St. Cloud	0.40	0.88	0.39	2.31	1.34	3.61	4.62	5.28	4.28	2.15	0.81	0.71	26.78
St. Paul	0.31	1.63	0.80	2.45	2.16	2.60	3.63	6.10	2.04	2.46	0.21	0.41	24.80
St. Peter	0.21	1.65	0.58	3.44	2.03	2.39	1.95	8.76	1.93	3.60	0.13	0.32	27.49
Sandy Lake Dam	0.30	0.24	0.52	1.38	1.52	3.89	5.47	4.23	5.80	3.12	0.22	0.81	27.50
Taylors Falls	0.13	0.94	0.26	1.91	1.75	5.24	3.56	5.99	2.86	4.77	0.39	0.45	28.25
Thief River Falls	0.55	0.12	1.50	0.91	1.00	7.22	4.99	5.51	1.18	0.63	0.95	0.72	25.28
Tower	0.70	0.06	1.01	2.09	0.89	7.35	4.98	7.19	4.78	2.73	0.45	0.85	33.03
Tracy	0.16	1.08	0.15	0.79	2.00	3.08	2.39	6.67	2.48	2.82	0.39	0.40	22.41
Two Harbors	0.64	0.13	0.72	2.15	0.90	4.91	6.61	5.55	4.91	2.47	0.75	0.46	30.20
Virginia	0.47	0.27	1.15	2.79	0.52	5.87	7.37	7.22	4.14	3.19	0.58	0.99	34.56
Wadena	------	0.25	0.72	1.10	0.06	2.10	------	5.51	2.31	2.29	0.18	0.79	------
Warroad	0.16	T.	0.87	0.78	1.76	5.57	4.91	3.05	1.63	0.18	0.47	0.33	19.71
Waseca	0.10	1.61	0.56	4.18	3.23	2.97	1.37	8.90	1.39	2.07	0.67	0.39	27.44
Wheaton	0.33	0.18	0.39	1.44	0.27	4.58	4.98	5.48	1.78	2.08	0.54	0.37	22.42
Willmar	0.65	1.20	0.78	1.65	0.44	2.64	7.10	8.04	2.98	2.59	0.33	0.43	28.83
Winnebago	0.12	1.33	0.87	2.82	3.02	3.46	1.31	6.20	1.50	2.40	0.54	0.76	24.33
Winnibigoshish	0.32	0.10	1.47	2.65	1.08	4.09	4.89	6.17	4.09	2.38	0.22	0.45	27.91
Winona	0.31	1.63	0.80	2.29	2.03	3.64	4.41	8.40	2.66	4.10	1.14	1.12	32.53
Worthington	0.10	1.34	1.42	1.81	3.14	4.65	1.24	5.71	0.95	2.78	0.97	0.68	24.79
Zumbrota	0.09	1.01	0.63	4.74	1.73	2.96	2.88	7.81	2.31	2.86	1.20	0.44	28.66
Mississippi													
Aberdeen	1.53	4.06	6.14	8.83	3.86	5.50	3.53	3.45	0.78	1.31	3.30	1.65	43.93
Agricultural College	2.41	3.29	7.32	12.52	5.23	10.53	5.71	2.70	0.88	1.66	3.47	1.89	57.61
Anguilla	2.35	2.73	3.00	8.60	6.15	3.92	1.12	4.26	3.30	1.19	3.60	2.55	42.77
Austin	1.91	------	------	7.42	2.98	9.02	------	------	0.82	2.58	4.17	5.07	------
Batesville	1.81	1.38	6.26	8.14	4.96	6.17	3.49	5.11	1.61	3.34	4.04	2.18	48.49
Bay St. Louis	1.31	10.97	7.18	6.52	10.35	9.63	6.70	6.65	6.56	3.51	3.70	6.32	79.40
Biloxi	1.22	8.75	6.33	6.34	7.34	4.60	9.76	8.85	7.40	1.63	2.07	6.27	70.56
Booneville	3.25	2.62	6.29	9.08	5.90	11.16	3.11	3.27	0.55	2.49	2.70	2.25	52.67
Brookhaven	1.11	3.20	6.59	9.97	5.63	10.74	4.83	4.80	1.12	0.93	2.51	4.05	55.48
Canton	1.43	2.36	1.93	8.51	3.28	------	------	3.52	0.52	1.21	------	------	------
Clarksdale	0.96	2.40	5.94	8.56	5.85	4.14	1.92	3.65	0.55	2.58	5.96	3.76	46.27
Cleveland	1.49	3.87	3.28	8.78	1.71	5.79	1.99	3.79	0.16	2.13	4.66	4.69	42.34
Collins	0.69	2.61	5.12	11.21	2.67	14.34	9.53	3.81	2.65	0.94	2.25	3.53	60.35
Columbia	0.61	3.21	7.50	8.47	7.33	12.42	5.42	1.48	3.13	1.95	1.60	3.95	45.89
Columbus	2.14	3.72	7.11	12.62	2.83	7.64	4.89	3.61	1.28	2.32	2.84	1.18	52.18
Corinth	2.82	2.42	5.54	5.12	6.54	7.68	1.78	2.84	0.62	4.20	2.64	1.28	43.48
Crystal Springs	0.93	1.95	4.10	9.37	5.00	14.91	4.74	2.92	0.88	1.94	2.74	2.29	51.77
Duck Hill	2.52	2.23	6.21	10.23	3.24	9.66	3.92	4.75	0.29	1.57	2.42	2.23	49.27
Edinburg	2.53	2.82	5.84	7.46	1.50	7.40	4.34	3.64	1.88	1.58	3.75	1.62	44.36
Enterprise	1.07	2.15	6.15	9.94	2.26	10.87	6.81	5.55	1.43	2.07	3.60	2.51	52.41
Eupora	1.73	3.23	7.09	9.95	6.15	6.73	8.05	3.30	0.15	0.75	1.82	1.63	50.58
Fayette	2.21	1.90	4.68	8.58	3.84	10.73	5.69	5.80	0.76	0.36	2.51	3.42	50.48
Fruitland Park	------	3.45	3.57	9.28	5.30	20.76	6.11	3.68	3.97	4.86	3.50	5.27	------
Fulton	2.68	1.77	5.62	9.67	6.06	9.38	3.99	3.77	0.21	1.79	2.24	1.39	48.57
Greenville	1.40	2.90	4.09	9.03	2.63	5.22	4.05	3.53	1.21	2.20	4.58	4.99	45.83
Greenwood	2.75	2.51	4.89	8.78	3.45	4.34	3.74	3.06	0.72	1.65	2.87	2.31	41.07

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Mississippi—Continued													
Grenada	3.49	1.44	4.87	8.29	2.73	5.17	1.01	6.63	1.96	0.66	1.95	2.06	40.26
Hattiesburg	0.86	3.41	5.55	7.85	4.04	17.01	4.64	3.63	2.12	0.67	5.49	4.59	59.86
Hernando	0.82	1.25	1.50	4.85	3.40	7.07	2.41	2.06	2.18	5.00	4.50	4.25	39.29
Hickory	1.13	2.78	5.68	10.82	2.11	10.64	2.69	0.99	1.44	1.25	5.80	2.41	47.74
Holly Bluff	2.34	1.67	3.90	7.64	2.30	2.50	3.28	0.59	.....	.....	.....	.....	.....
Holly Springs	2.10	4.14	5.52	7.46	4.83	7.38	1.57	3.85	0.04	5.21	4.94	2.88	49.92
Jackson	0.95	1.66	4.34	9.77	2.68	9.15	6.43	0.82	1.94	1.04	2.88	2.34	44.00
Kosciusko	2.56	3.50	6.91	8.94	2.98	6.03	6.32	0.95	2.81	1.55	2.33	1.65	46.53
Lake	1.21	2.72	4.84	10.07	2.56	9.58	8.62	3.60	2.14	1.48	2.62	2.63	52.07
Laurel	0.90	2.07	7.42	8.36	2.39	16.70	6.70	0.77	1.47	1.04	3.32	3.67	54.81
Leakesville	1.59	4.38	6.39	10.03	3.47	19.36	7.70	2.99	3.31	3.77	1.81	6.45	71.25
Louisville	2.42	2.98	5.64	9.27	2.45	9.47	3.76	4.69	0.45	1.25	3.30	1.51	47.19
Macon	1.86	3.67	6.68	11.13	5.99	7.57	4.99	2.57	1.58	3.01	3.91	1.28	54.24
Magnolia	1.22	4.43	7.20	7.48	6.97	7.92	4.17	3.48	2.38	2.07	2.37	4.39	54.08
Meridian	0.86	1.99	6.18	9.94	1.15	10.01	8.08	5.32	1.04	1.50	3.00	1.70	50.77
Merrill	1.45	4.93	5.35	11.11	5.28	18.06	7.26	4.66	4.89	3.06	2.31	5.37	73.73
Monticello	0.77	3.54	5.52	14.42	5.37	11.44	5.83	2.59	2.08	1.31	1.56	4.00	58.63
Moorhead	2.00	2.05	4.15	7.53	1.75	5.59	5.66	2.35	0.30	1.45	2.85	3.05	38.75
Natchez	2.10	3.51	6.81	9.98	6.72	9.83	6.47	5.48	5.90	1.18	1.55	2.55	62.08
Pearlington	.....	7.19	4.65	5.35	4.54	11.84	8.17	4.13	4.43	4.35	2.96	6.57	.....
Pittsboro	.....	.....	.....	7.63	3.97	9.90	2.64	.....	0.45	0.74	2.38	1.98	.....
Pontotoc	2.70	1.65	4.00	6.88	2.22	7.43	2.90	3.10	0.15	0.33	1.99	1.07	34.42
Poplarville	0.62	5.56	5.92	8.14	5.64	19.43	10.46	7.28	5.45	3.10	4.76	4.99	81.35
Port Gibson	1.57	2.85	4.00	9.51	4.70	12.96	5.00	1.20	2.34	0.83	2.70	2.82	50.48
Rosedale	1.45	2.25	4.86	9.17	4.52	5.90	1.72	3.52	0.20	3.62	5.98	4.70	47.89
Scott	1.05	3.79	4.35	9.37	2.68	5.11	4.13	2.95	0.13	2.75	5.41	5.06	46.78
Shellmound	2.35	2.22	5.16	7.31	2.45	3.51	3.72	4.57	1.10	0.87	3.01	2.52	38.79
Shubuta	0.87	2.73	6.43	9.08	2.90	6.72	7.37	2.40	1.85	1.55	3.12	2.85	48.77
Stoneville	1.53	2.15	4.47	7.85	4.01	4.67	6.07	4.78	0.67	2.60	3.62	4.34	46.76
Swan Lake	2.26	3.08	4.60	9.09	2.45	7.01	2.94	3.33	3.81	4.12	4.46	3.73	50.88
Tupelo	2.80	1.59	5.46	6.50	5.64	7.37	1.34	3.82	0.71	1.45	2.20	1.76	40.64
University	1.90	3.35	4.70	7.35	4.30	12.35	0.70	3.50	3.15	2.49	2.69	2.09	48.57
Utica	1.00	1.93	4.50	8.10	2.74	10.45	6.52	2.12	0.57	0.85	2.87	2.75	45.00
Vicksburg	1.07	2.63	3.52	9.30	2.29	9.76	3.89	2.29	0.27	1.17	3.08	3.66	42.93
Water Valley	2.25	3.00	4.90	11.30	3.70	.....	.....	.....	0.25	1.15	5.00	2.20	.....
Waynesboro	0.97	2.68	6.25	12.88	4.46	15.49	5.21	5.89	1.87	2.06	2.38	4.18	64.32
Woodville	1.24	4.41	5.51	10.90	14.26	9.78	3.49	4.62	2.61	1.71	2.66	4.58	65.71
Yazoo City	3.02	2.47	2.23	7.26	2.85	5.45	2.84	0.22	1.95	0.54	3.40	0.68	32.91
Missouri													
Albany	T.	1.95	1.23	1.97	1.68	7.23	6.55	2.90	4.85	5.01	6.40	0.35	40.12
Appleton City	0.35	2.53	1.15	5.18	2.25	7.36	3.24	7.35	1.31	3.11	5.28	2.55	41.66
Arcadia	0.86	1.48	2.00	6.22	3.10	14.04	3.82	5.72	0.25	3.34	4.45	2.44	47.72
Aurora	0.60	1.58	2.66	6.68	5.25	18.07	2.81	8.52	0.84	3.08	3.22	2.27	55.58
Bethany	0.05	1.61	1.15	1.66	1.52	7.86	2.87	6.50	6.82	5.85	6.75	0.66	43.30
Birchtree (near)	1.90	2.54	1.93	7.30	1.94	13.56	1.56	7.41	1.35	3.93	4.85	2.63	50.90
Bolivar	0.67	2.61	3.56	5.69	.....	14.45	2.86	11.34	0.46	2.86	.....	.....	.....
Boonville	0.58	1.30	1.20	3.27	1.71	9.77	2.09	9.63	3.72	2.85	6.19	1.97	44.28
Brunswick	0.24	2.35	0.17	2.47	2.05	9.59	2.59	5.86	7.43	3.04	5.32	2.08	43.19
Campbell	1.73	3.14	2.48	6.60	2.75	13.11	1.42	5.84	1.47	8.41	3.20	3.71	53.86
Cape Girardeau	1.75	3.44	2.05	6.89	4.00	20.04	1.79	5.35	0.00	8.66	6.32	2.98	63.28
Caplinger Mills	0.27	2.47	2.67	4.91	1.86	12.62	2.48	8.70	1.10	2.66	1.87	3.07	44.68
Caruthersville	.....	2.29	2.33	4.81	3.64	10.90	1.36	5.48	0.22	7.18	3.32	4.61	.....
Centerview	0.33	4.10	0.57	1.82	2.92	5.73	2.99	7.26	1.91	2.47	10.88	1.95	42.93
Chillicothe	0.03	2.40	0.96	2.56	1.72	9.71	2.98	4.87	5.73	3.18	8.43	0.51	43.08
Clifton Hill	0.27	2.03	0.47	2.50	2.21	7.58	2.33	6.05	5.46	3.17	7.21	2.56	41.84
Clinton	1.04	3.12	0.79	5.86	3.04	7.06	3.11	5.54	2.50	3.16	4.78	2.88	42.88
Columbia	0.94	2.10	0.69	2.89	1.74	14.86	3.72	3.22	3.33	2.86	4.68	2.04	43.07
Conception	T.	1.59	0.62	2.00	2.19	9.35	4.25	4.81	6.06	4.54	7.38	0.42	43.21
Concordia	0.37	3.12	0.16	2.01	2.97	8.42	6.32	3.33	1.64	2.42	10.45	1.86	43.07
Dean	1.63	1.21	2.79	9.14	4.58	13.67	3.53	6.22	0.61	2.83	3.54	1.48	51.23
Dexter	2.33	3.39	1.15	8.29	3.93	14.18	2.01	4.68	T.	8.97	5.12	3.61	57.66
Doniphan	2.26	2.97	2.04	7.44	3.71	12.90	3.09	5.89	1.01	6.16	7.71	3.00	58.18
Downing	0.03	2.41	1.67	3.25	1.82	12.74	6.08	4.28	9.04	5.23	5.49	1.77	53.81
Edgerton	0.13	1.73	0.56	1.99	0.78	7.14	2.37	2.14	4.54	0.79	5.22	0.89	28.28
Eldon	0.77	1.38	0.64	5.07	2.32	8.74	4.08	5.16	1.28	1.39	4.16	2.04	37.03
Farmington	1.97	2.38	2.03	5.07	5.01	13.94	2.49	5.78	0.11	2.42	3.71	2.84	47.75
Fayette	0.67	2.16	0.73	3.93	1.29	10.14	4.77	5.50	3.63	3.11	6.52	1.98	44.52
Fredericktown	2.75	2.30	3.35	5.94	3.07	12.13	1.30	6.00	T.	4.85	3.62	3.18	48.49
Fulton	0.87	1.03	0.70	4.71	3.52	10.02	2.07	4.29	1.41	2.79	2.97	1.81	36.19
Galena	0.98	1.53	1.99	9.62	2.35	15.05	3.26	11.24	0.05	1.83	5.59	3.58	57.07
Gallatin	T.	1.92	0.80	1.51	0.89	8.08	1.49	2.37	8.11	3.80	6.98	0.75	36.70
Goodland	0.82	1.18	2.26	5.51	3.47	11.24	2.01	5.33	0.69	3.49	3.42	2.33	41.75
Gorin	0.27	2.74	1.27	2.53	2.60	6.23	4.25	3.23	6.35	5.26	5.86	1.71	42.30
Grant City	0.04	1.90	1.17	1.94	1.22	6.43	7.02	4.58	4.03	5.26	5.64	0.40	39.63
Greenville	1.90	2.72	2.07	7.99	3.51	19.31	2.59	3.93	0.02	7.32	6.00	3.54	60.90
Hailey	1.08	2.15	1.55	6.57	3.95	11.76	3.29	7.90	0.40	1.92	1.81	1.03	43.41
Hannibal	0.41	2.02	0.93	2.61	3.28	5.08	2.76	0.96	4.42	3.97	3.82	1.92	32.18
Harrisonville	0.25	2.70	0.34	2.86	1.28	5.43	5.03	6.24	5.29	3.05	10.84	1.72	45.03
Hermann	1.39	1.36	0.96	4.59	1.92	11.99	1.49	4.89	1.64	2.63	1.90	2.16	36.92
Jackson	1.32	3.42	1.80	6.42	3.46	22.00	1.06	5.04	0.07	6.32	6.45	3.48	60.84
Jefferson City	0.94	1.60	0.55	4.60	2.32	8.80	3.10	5.63	1.56	1.79	2.32	1.84	35.05
Joplin	0.55	1.73	2.95	6.26	4.17	12.08	4.54	6.67	0.35	4.70	2.66	3.17	40.83
Kansas City	0.21	2.77	0.36	2.32	2.34	5.43	2.64	8.79	3.12	2.64	8.55	1.83	41.00
Kidder	0.05	2.29	0.64	1.93	0.79	8.52	3.64	2.91	6.19	3.61	7.78	0.88	39.23
King City	0.00	2.15	0.55	1.98	1.34	9.75	2.61	3.22	8.21	5.80	7.53	0.44	43.58
Kirksville	T.	1.96	0.97	2.77	1.05	6.79	3.09	4.70	4.76	3.85	8.22	2.42	40.68
Koshkonong	1.55	2.23	2.70	9.43	3.16	13.45	5.29	3.09	0.58	3.92	5.15	3.83	54.38
Lamar	0.21	3.53	2.38	4.85	2.31	11.26	4.05	4.98	1.14	3.45	2.97	3.10	44.23
Lamonte	4.11	2.59	0.11	2.66	1.57	8.16	6.25	1.58	1.73	2.68	6.85	2.40	40.78
Lebanon	1.49	1.41	2.56	8.11	4.34	14.51	1.08	5.58	0.54	1.96	3.22	2.81	47.61
Leeper	2.05	2.25	2.29	7.27	3.37	19.28	1.87	4.44	0.26	6.62	6.21	2.79	58.70
Lexington	0.20	2.54	0.30	2.19	2.40	9.82	3.20	4.25	4.78	4.51	9.12	1.87	45.18
Lockwood	0.88	1.57	2.77	6.62	1.49	11.15	3.38	5.98	0.30	3.25	2.75	4.63	44.77
Louisiana	0.30	2.91	0.81	.....	.....	.....	1.90	1.40	3.23	4.53	3.50	1.79	.....
Lucerne	0.06	2.88	1.40	1.83	1.49	7.02	3.40	4.75	7.97	4.82	5.95	0.58	42.15
Macon	0.25	2.24	0.69	2.64	2.33	7.53	1.72	4.34	3.94	4.58	8.15	2.13	40.59

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Missouri—Continued													
Marble Hill	1.95	3.82	3.10	7.46	4.05	20.70	3.15	4.10	0.00	7.85	7.04	4.18	67.40
Marshall	0.20	2.03	0.42	2.40	------	------	------	------	------	------	8.78	1.92	------
Maryville	0.05	2.22	0.96	2.34	2.92	7.66	6.32	2.50	6.93	2.97	4.98	0.23	40.08
Mexico	1.09	2.22	1.56	2.74	2.05	13.17	1.61	3.90	5.62	3.07	3.80	2.05	42.88
Milan	T.	2.55	1.26	2.20	1.74	8.56	2.75	5.96	6.90	3.50	7.95	0.80	44.17
Monroe City	0.48	2.65	1.47	2.50	1.31	6.72	5.57	3.34	4.26	3.44	6.44	2.30	40.48
Morehouse	2.25	3.37	2.22	7.51	2.37	17.16	0.34	5.76	0.16	7.13	4.67	5.04	57.98
Mountain Grove	1.49	2.28	2.57	8.61	3.59	13.31	0.90	5.91	0.14	3.35	4.28	2.39	48.62
Neosho	0.70	1.76	2.44	5.30	4.40	13.89	6.60	9.62	0.45	4.70	4.27	1.99	56.12
Nevada	0.19	2.44	1.65	5.86	1.97	13.82	2.76	4.52	2.64	2.75	2.36	2.18	43.14
New Madrid	2.56	3.39	3.01	7.25	3.41	15.72	1.73	5.93	0.14	7.14	4.28	4.63	59.19
Oregon	0.04	1.91	1.17	2.74	2.42	9.91	4.62	5.62	6.53	2.12	6.48	0.55	44.11
Osceola	0.44	3.11	1.43	6.08	3.72	11.38	2.74	10.69	0.53	2.86	2.50	2.65	48.13
Owensville	1.28	1.24	1.96	4.90	5.70	10.86	0.87	6.59	0.85	1.29	1.99	1.70	39.23
Ozark Beach	1.44	1.31	2.23	8.30	4.65	16.00	1.86	8.63	0.09	2.32	3.77	3.38	53.98
Pacific	1.69	1.69	1.53	4.15	2.89	13.97	1.58	5.53	0.99	2.75	2.24	2.22	41.23
Poplar Bluff	1.93	3.38	2.07	7.22	3.29	14.93	1.97	6.58	0.67	5.70	6.80	3.00	57.54
Rolla	1.43	1.64	2.25	7.28	5.03	8.18	1.75	4.65	0.51	1.22	2.32	1.80	38.06
St. Charles	1.22	2.19	0.92	4.94	2.65	7.96	5.10	3.57	1.63	3.42	0.74	1.87	36.21
St. Joseph	0.02	1.69	0.77	2.06	2.03	10.77	3.19	4.83	8.78	3.51	6.98	0.50	45.13
St. Louis (No. 1)	1.91	2.43	2.27	3.02	2.18	7.25	6.66	4.83	1.70	2.24	1.90	2.22	38.61
St. Louis (No. 2)	1.60	2.99	1.84	3.08	2.88	7.30	4.77	3.25	1.39	2.39	1.95	2.02	35.46
Salem	1.62	2.23	1.80	6.43	5.26	10.91	2.15	5.10	0.13	1.87	2.92	1.70	42.12
Seligman	1.03	2.39	2.49	7.17	6.37	14.77	2.66	8.66	0.32	2.10	5.01	2.88	55.85
Seymour	1.31	2.14	1.97	9.34	6.05	16.09	0.37	5.18	T.	1.61	4.31	3.48	51.85
Shelbina	0.26	2.55	1.10	2.86	1.19	6.67	2.40	2.85	5.20	4.40	5.43	1.90	36.81
Sikeston	2.19	2.41	------	6.71	------	16.88	2.16	4.77	0.14	6.04	------	3.28	------
Springfield	0.72	1.09	2.36	6.62	3.97	12.27	3.01	7.81	0.05	1.69	2.08	2.70	44.37
Steelville	1.77	1.17	2.72	6.48	4.43	11.50	1.24	5.20	0.25	1.05	2.38	1.66	39.85
Steffenville	0.30	2.24	1.25	3.98	3.15	6.56	3.25	3.75	3.40	5.22	7.20	2.18	42.48
Stover	0.44	1.70	0.49	3.92	3.34	8.49	2.58	4.96	1.41	4.49	4.88	1.79	38.49
Tarkio	T.	2.88	0.58	3.23	2.80	7.14	5.00	4.86	6.04	2.09	4.55	0.65	39.82
Trenton	T.	2.32	1.65	2.26	1.56	9.01	1.90	4.80	8.23	4.10	7.35	0.94	44.12
Tuscumbia	0.84	1.36	1.36	5.69	3.63	6.10	1.76	6.28	0.89	3.27	2.93	2.19	36.30
Union	1.68	1.61	2.15	5.57	3.55	11.73	0.65	6.54	1.77	1.91	1.87	2.23	41.26
Unionville	0.08	3.26	2.50	3.60	1.92	9.50	5.05	7.65	8.00	5.00	6.48	0.85	54.49
Valley Park	1.51	1.85	2.08	3.94	2.46	9.54	1.49	4.57	0.84	1.53	1.74	2.20	33.75
Warrenton	1.43	1.70	0.87	4.88	2.91	10.70	1.66	5.54	1.75	3.53	2.15	1.84	38.96
Warsaw	0.25	2.48	1.05	4.50	2.75	6.00	2.83	6.71	1.15	3.56	5.03	2.86	39.17
Waverly	0.25	2.78	0.29	2.35	1.90	8.69	2.80	4.26	8.04	3.96	9.65	2.34	47.31
Williamsville	1.78	2.68	2.45	8.27	3.66	17.88	2.19	8.53	0.26	6.78	6.16	3.79	64.23
Willow Springs	------	------	3.46	7.23	2.21	17.48	1.20	5.44	0.41	2.25	5.72	3.03	------
Montana													
Adel	1.72	1.12	1.54	3.67	3.73	11.37	4.96	4.00	0.95	1.08	0.45	3.30	37.98
Agricultural College	1.51	1.04	1.30	1.23	1.16	3.80	0.81	1.61	0.48	1.53	0.54	1.17	16.18
Ashland	1.53	0.78	0.39	1.45	1.93	4.33	5.14	0.74	0.26	1.75	0.52	0.39	19.21
Augusta	0.85	0.15	0.19	0.26	0.40	2.08	2.20	1.46	0.45	0.20	T.	0.70	8.94
Babb	0.70	0.42	0.61	0.85	0.35	7.33	3.92	2.78	0.44	0.73	0.18	1.04	19.35
Baker	0.19	0.26	0.84	1.27	0.30	2.95	2.33	0.56	0.25	1.50	0.00	0.32	10.77
Ballantine	1.68	0.19	0.08	0.74	0.96	1.40	2.08	0.86	0.34	1.86	0.49	0.75	11.43
Belton	1.79	0.33	1.95	2.04	0.62	3.94	1.90	0.60	0.09	2.07	1.57	2.19	19.09
Big Ox	1.55	0.13	------	------	------	------	------	------	------	------	------	------	------
Big Sandy	0.23	0.30	0.10	0.60	0.06	3.61	1.55	2.58	0.75	0.25	T.	0.63	10.66
Big Timber	2.50	0.12	0.30	1.08	1.05	1.91	1.23	1.93	0.35	2.57	0.10	1.50	14.64
Billings	1.63	0.24	0.16	0.48	0.75	1.67	2.27	0.99	0.39	2.35	0.41	0.62	11.96
Bridger	0.74	0.34	0.35	0.45	1.10	2.74	2.08	0.58	T.	1.31	------	0.19	------
Browning	0.51	0.17	0.45	0.38	0.03	4.96	3.41	2.32	0.12	0.89	0.15	0.47	13.86
Busby	2.26	0.24	0.09	0.58	1.05	3.49	3.62	0.31	0.22	1.51	0.52	0.30	14.19
Busteed	2.11	0.30	0.40	0.88	0.51	2.71	1.56	1.16	0.55	2.37	0.15	0.69	13.39
Butte	2.36	0.80	0.48	1.09	0.25	2.32	1.59	2.45	0.78	1.06	0.10	0.98	14.26
Canyon Ferry	0.72	0.28	0.43	0.47	0.23	2.63	1.39	1.67	0.07	0.33	T.	0.39	8.61
Carter	0.36	0.05	0.93	0.14	0.50	2.95	1.78	2.22	0.60	1.02	T.	0.61	11.16
Cascade	0.69	0.30	0.50	0.96	0.63	3.33	0.98	2.25	0.42	0.40	------	------	------
Chinook	0.35	0.24	0.32	0.22	1.35	4.09	1.59	2.12	0.32	0.07	T.	0.72	11.39
Choteau	0.79	0.10	0.76	0.29	0.46	3.42	4.37	2.24	0.93	0.37	0.03	0.60	14.36
Colstrip	1.18	0.31	0.32	0.57	1.17	2.34	3.53	0.47	0.12	1.28	0.45	0.38	12.12
Columbia Falls	2.26	0.16	1.02	3.46	1.31	4.46	2.26	0.53	0.09	1.02	0.12	1.12	17.81
Conrad	0.35	0.40	0.44	0.95	0.19	2.83	4.84	1.24	0.50	0.22	T.	0.69	12.65
Conway's Ranch	1.33	0.73	1.05	1.43	1.20	2.45	1.84	0.62	0.52	1.31	1.54	0.86	14.88
Copper	1.73	0.54	0.36	1.03	0.23	2.22	3.03	1.00	0.80	0.78	0.06	0.35	13.03
Crow Agency	2.85	1.16	0.00	0.42	3.05	1.45	2.32	0.40	0.00	2.62	1.24	0.69	16.20
Culbertson	T.	0.14	0.05	0.19	0.47	4.11	6.14	0.50	0.84	0.16	0.03	0.27	12.90
Cut Bank	0.75	0.10	0.96	0.79	0.36	4.63	2.35	1.84	0.22	0.36	0.23	0.65	13.24
Darby	1.15	0.51	1.95	0.80	0.32	1.66	0.84	1.35	1.81	1.23	0.11	1.36	13.09
Deer Lodge	------	------	------	------	------	------	------	------	------	0.23	0.03	0.47	------
Dillon	1.93	0.68	0.52	0.74	1.85	2.78	0.66	1.16	0.15	0.80	0.22	1.71	13.20
Drummond	1.79	------	------	------	------	------	------	------	------	------	0.28	0.42	------
Dry Land Experiment Station	1.38	0.25	1.10	0.38	0.75	2.44	1.94	1.34	0.10	1.03	0.10	1.00	11.81
Dunkirk	0.13	0.28	0.40	0.31	0.28	4.94	4.50	2.15	0.17	0.16	0.05	0.33	13.70
East Anaconda	1.36	0.26	0.27	0.88	0.37	2.74	1.20	2.14	0.68	0.52	0.19	0.92	11.53
East Helena	1.07	0.15	0.47	0.40	0.47	1.94	1.60	2.02	0.01	0.32	T.	0.56	9.10
Ekalaka	0.36	0.21	1.71	0.56	0.76	3.68	3.59	2.25	0.76	1.02	T.	0.19	15.09
Emory	0.44	T.	0.44	1.21	0.48	1.37	2.40	0.55	0.31	0.86	T.	0.18	8.24
Ennis	------	------	------	0.46	0.87	1.99	0.59	0.55	0.00	0.56	0.00	0.37	------
Eureka	1.37	0.19	0.58	0.44	0.70	3.68	1.92	1.22	0.00	1.37	0.76	0.86	13.00
Fairfield	0.59	0.13	0.47	0.28	0.19	4.61	3.43	1.78	0.40	0.33	0.06	0.41	12.68
Flatwillow	0.46	0.20	0.28	0.68	0.14	------	2.30	1.68	0.13	0.74	T.	0.16	------
Fortine	2.06	0.24	1.36	1.22	1.06	4.32	1.98	1.24	0.04	1.81	0.94	1.24	17.51
Foster	2.08	0.10	0.21	0.08	1.25	1.18	3.17	0.41	0.13	1.47	0.23	1.26	11.57
Fraser	0.19	0.52	0.14	1.18	0.43	2.06	2.10	0.74	0.07	0.27	0.00	0.18	7.86
Garland	0.40	0.21	0.33	0.41	1.47	4.19	4.81	0.63	0.17	1.20	0.25	0.26	14.33
Geraldine	0.56	0.21	1.19	0.74	0.36	3.93	1.53	1.40	0.32	0.86	0.03	0.46	11.59
Glasgow	0.15	0.33	0.34	0.64	0.78	3.80	1.88	1.09	0.13	0.30	0.00	0.35	9.79
Glendive	0.10	0.05	0.12	0.51	0.28	3.85	3.48	1.97	0.50	0.54	T.	0.13	11.53
Goldbutte	0.08	0.83	0.19	0.39	0.29	5.14	1.53	2.10	0.33	0.27	0.10	0.59	11.84
Grant	------	------	------	------	------	------	------	------	------	0.85	0.17	0.64	------

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Montana—Continued													
Great Falls	0.93	0.20	0.79	0.36	1.11	4.09	1.48	2.62	0.51	0.77	0.20	0.71	13.86
Hamilton	0.67	0.09	0.58	0.81	0.31	1.48	0.46	0.57	0.91	1.42	0.19	0.63	8.15
Harlowton			0.32						0.50	0.28	0.00		
Haugan	2.60	0.29	1.94	1.51	0.47	3.42	0.42	0.22	T.	1.90	2.60	2.89	18.26
Havre	0.14	0.23	0.34	0.64	0.45	4.32	1.44	1.88	0.42	0.16	0.02	0.85	10.89
Hays	0.12	0.07	0.38	1.07	0.07	8.28	2.71	2.48	0.20	0.55	0.41	1.42	17.76
Hebgen Dam	3.39	0.70	2.42	1.34	0.54	3.34	1.33	1.10	0.28	1.59	1.63	1.67	19.33
Helena	1.41	0.14	0.52	0.55	0.24	2.98	1.65	1.99	0.05	0.26	0.02	0.94	10.75
Helena Valley	0.60	0.08	0.45	0.09	0.31	2.50	1.63	1.75	T.	0.15	0.00	0.63	8.19
Heron	1.44	0.04	6.18	3.42	1.14	2.29	0.38	T.	T.	2.42	2.96	2.54	22.81
Highwood	0.73	0.35	0.72	0.52	0.73	6.01	2.23	3.27	0.42	1.33	0.18	0.82	17.31
Hobson	1.05	0.30	0.43	0.51	0.38	3.12	2.53	1.26	0.36	1.53			
Holter	0.26	0.33	0.35	0.34	0.88	4.67	2.23	1.60	0.25	0.20	0.03	0.61	11.75
Ingomar	0.35	0.08	0.43	0.68	0.32	2.02	2.54	0.36	0.27	1.29	0.01	0.17	8.52
Kalispell	1.15	0.14	0.74	1.80	0.61	2.51	1.49	1.14	0.04	0.82	0.50	1.00	11.94
Kenilworth	0.24	T.	0.35	0.15	0.76	4.43	1.77	2.56	0.84	0.13	T.	0.38	11.61
Kinread	0.28	0.10	0.44	0.46	0.40	2.76	2.13	1.96	0.51	0.12	T.	0.17	9.33
Knowlton	T.	0.11	0.80	2.25	0.55	2.93	4.79	1.02	0.12	1.13	0.00	0.04	13.65
Lewistown	0.97	0.96	0.42	0.95	0.31	5.00	5.97	1.28	0.43	1.28	0.03	0.66	18.26
Libby	0.36	0.43	1.71	1.31	0.83	1.06	1.61	0.93	0.05	1.44	1.34	1.35	12.42
Livingston	2.42	0.38	0.71	0.91	1.36	3.20	1.03	2.31	0.22	1.74	0.41	0.41	15.10
Lonepine	0.35	0.01	0.62	1.01	0.74	1.79	1.24	0.47	0.00	0.46	0.53	0.95	8.17
Lothair	0.32	0.35	0.58	0.43		3.04	1.85	1.77	0.23	0.15	0.01	0.33	
Loweth	1.20	0.36	0.36	1.07	0.34	3.21	2.63	2.83	0.38	0.42	0.14	0.50	13.24
Lustre	0.07		0.39	0.70	0.33	3.30	2.74	1.67	0.09	0.29	0.16		
Lytle	0.70	0.22	1.25	0.83	0.68	3.63	2.04	2.27	0.58	1.12	0.15	0.85	14.22
Malta	0.15	0.22	1.09	1.01	0.26	3.47	5.17	1.69	0.26	0.03	0.00	0.20	13.54
Medicine Lake						4.36	4.37	1.05	0.05	0.07	0.00		
Melstone	0.54	0.32	0.56	0.42	0.02	2.20	0.62	0.42	0.09	0.92	0.00	0.28	6.39
Mildred	T.	0.18	0.11	0.34	0.20	3.28	3.42	0.55	0.08	0.68	T.	0.18	9.02
Miles City	0.44	0.38	0.54	0.43	0.47	2.83	4.78	0.14	0.34	1.34	0.26	0.40	12.35
Missoula	2.16	0.11	0.89	0.83	0.21	2.88	1.95	0.45	0.29	0.79	0.26	0.23	11.05
Mystic Lake	2.57	0.59	1.60	2.46	1.51	4.50	2.76	1.67	0.49	3.82	1.07	0.79	23.83
Norris	1.55	0.43	0.75	0.79	1.42	3.88	0.77	1.43	0.29	3.09	0.83	1.28	16.51
Opheim											0.08	0.09	
Outlook	0.02	0.07	0.24	0.43	0.48	4.44	3.82	0.74	0.61	0.26	0.00	0.22	11.33
Ovando	2.99	0.37	1.88	1.34	0.93	2.70	0.67	1.68	0.93	1.68	0.52	0.75	16.44
Paxton	0.04	0.17	0.15	0.32	0.15	3.67	4.32	1.61	0.00	0.38	0.00	0.15	10.96
Philipsburg	1.51	0.20	0.28	0.67	0.28	2.56	1.45	1.34	1.21	0.66	0.06	0.39	10.61
Pinegrove			0.56	0.80									
Pipestone Dam	1.65	0.32	0.59	0.57	0.18	2.19	2.56	1.30	0.54	0.92	0.10	0.48	11.40
Pleasant Valley	1.04	0.16	1.41	2.41	0.71	3.60	0.89	0.95	T.	1.72	1.13	2.13	16.15
Plevna	0.14	0.09	0.47	1.58	0.35	2.91	4.25	0.54	0.42	1.47	0.07	0.24	12.53
Polson	1.61	0.05	0.76	1.62	0.77	2.49	1.05	0.37	0.05	0.53	0.48	0.99	10.77
Poplar	0.05	0.12	0.12	0.24	0.28	5.04	4.72	0.31	0.23	0.09	0.00	0.11	11.31
Red Lodge	1.33	0.79	0.92	1.29	1.53	4.60	2.52	2.69	T.	2.47	0.94	0.72	19.80
Renova	0.87	0.23	0.29	0.25	0.58	1.34	1.30	1.44	0.33	0.87	0.00	0.36	7.86
Rock Springs	0.37	0.66	0.59	0.76	0.85	2.75	4.56	0.77	0.10	0.95	0.03	0.55	12.94
St. Ignatius	1.75	0.16	0.95	1.12	0.78	2.94	2.01	1.37	0.34	0.77	0.28	0.98	13.45
Sarpy Creek	1.05						2.31	0.25	0.11	1.77	0.43	0.74	
Savage	0.00	0.16	0.12	0.30	0.19	4.35	3.49	1.65	0.46	0.20	0.00	0.13	11.05
Scobey	T.	0.10	0.60	1.25	0.50	3.51	2.78		0.13	0.30	0.00		
Sentinel Butte Pass	0.08	0.48	0.59	1.15	1.50	3.34	4.88	0.67	0.06	0.60	0.00	0.41	13.76
Sioux Pass	0.05	0.03	0.06	0.32	0.36	6.18	5.17	2.12	0.71	0.16	T.	0.32	15.48
Snowbelt	0.31	0.38	0.31	0.84	0.24	1.42	2.90	1.01	0.04	0.36	0.00	0.14	7.95
Sonnette												0.84	
Springbrook	0.06	0.40	0.23	0.69	0.59	2.07	3.91	0.90	0.04	0.93	T.	0.42	10.24
Stanford	1.31	0.75	0.48	0.80	0.54	4.44	3.29	1.37	0.54	1.58	0.09	0.44	15.63
Stevensville	1.56	T.	1.34	0.75	0.25	1.59	1.37	0.80	1.25	0.34	0.22	0.45	9.92
Sun River Canyon	0.93	0.16	0.57	0.49	0.24	2.28	3.36	1.33	0.66	0.29	0.26	0.42	10.99
Sunset Orchard		0.07	1.25					0.13	1.78	0.24	T.	0.14	
Superior	1.36	0.11	1.58	1.54	0.63	1.80	1.16	0.81	0.75	1.39	0.92	1.41	13.46
Sweet Grass			0.29		0.52	5.67	2.25		0.10	0.20	0.05		
Thompson Falls	2.26	0.25	2.82	2.28	0.80	2.32	0.71	0.64	T.		1.30	1.65	
Three Forks			0.51	0.37	0.81	2.03	2.48	1.46	0.14	0.94	0.10	0.74	
Trout Creek	2.76	0.33	4.59	2.83	1.39	2.25	0.30	0.45	0.06	2.59	2.76	2.42	22.73
Upper Yaak River	1.30	0.51	2.26	2.08	0.70	1.69	2.33	1.47	0.18	2.33	1.57	1.84	18.26
Valentine	0.08	0.08	0.23	0.27				0.63	0.32	0.05	T.	T.	
Valier	0.64	0.18	0.50	0.75	0.57	4.19	2.43	2.44	0.00	0.20	0.17	0.72	12.88
Victor	1.58	0.16	1.21	1.21	0.16	1.23	0.90	0.42	0.28	0.94	0.37	1.05	9.51
Vida	0.17	0.39	0.54	1.67	0.42	4.55	6.21	0.66	0.09	0.25	0.00	0.83	15.78
Virginia City	1.62	0.61	0.58	0.64	1.51	2.62	1.56	1.23	0.20	1.33	0.86	0.99	13.75
White Sulphur Springs	1.60	1.00	0.30	1.20	0.30	2.00	2.80	2.35	0.55	0.45	0.10	0.90	13.55
White Water	0.04	0.19	0.22	0.33	0.50	5.16	3.50	2.04	0.34	0.10	0.00	0.34	12.76
Willow Creek Reservoir	0.75	0.22	0.24	0.42	0.70	2.75	2.81	1.41	0.50	0.65			
Winifred	0.07	0.15	0.33	0.56	0.12	3.02	2.32	0.95	0.50	0.97		0.33	
Nebraska													
Ainsworth	T.	0.22	0.99	0.40	2.51	3.66	3.21	0.71	2.10	1.39	0.71	0.12	16.02
Albion	0.30	1.03	0.33	T.	2.98	3.66	2.00	0.92	0.77	2.68	0.96	T.	15.63
Alliance	0.09	0.84	0.48	0.05	3.95	5.72	3.77	1.06	1.11	1.08	0.60	0.24	18.99
Alma	0.10	1.57	1.52	0.00	4.99	5.15	4.70	0.30	0.97	3.75	1.84	0.00	24.89
Arcadia	0.20	1.05	1.08	0.00	3.57	3.88	4.05	0.81	0.50	3.13	0.90	0.00	19.17
Arden	0.10	1.76	0.61	0.10	3.42	4.79	1.02	1.49	1.30	3.52	1.36	0.10	19.57
Ashland	0.05	0.81	0.48	1.25	2.09	5.46	4.51	4.76	3.73	2.44	3.56	0.08	29.22
Atkinson	T.	1.14	1.23	0.10	2.59	2.49	2.10	0.72	1.10	1.42	1.15	0.10	14.14
Auburn	0.20	3.25	0.54	4.01	3.11	7.15	3.07	3.74	5.22	2.04	6.28	0.90	39.51
Aurora	0.12	1.06	0.93	0.14	3.24	3.93	2.14	1.80	1.04	3.81	3.22		
Beatrice	0.30	1.74	0.50	2.09	2.86	6.62	3.28	4.20	2.45	1.75	4.58	0.03	30.40
Beaver City	0.08	0.96	1.61	0.16	4.38	4.70	6.97	0.10	1.38	3.49	1.95	0.14	25.92
Benkelman	0.18	0.38	0.67	0.44	7.09	5.33	6.13	2.51	1.50	3.05	0.84	T.	28.12
Bertrand	0.30	0.66	1.14	T.	0.90	5.02	5.30	0.33	0.84	2.52	2.04	0.15	19.20
Blair	0.03	1.40	0.52	1.70	4.05	5.77	5.22	2.93	0.96	5.61	1.93	0.28	30.40
Bloomfield	0.05	1.83	1.57	0.20	1.69	2.70	2.50	0.87	2.02	1.47	1.71	T.	16.61
Bradshaw	0.07	0.74	0.69	0.13	3.75	3.48	2.22	1.66	1.08	4.96	3.61	T.	22.39
Brewster	T.	0.44	0.88	0.08	4.54	3.67	4.72	1.50	1.07	3.38	0.40	0.11	20.79
Bridgeport	0.21	0.28	0.49	0.30	2.39	4.61	5.57	1.51	0.35	1.64	0.71	0.10	18.16

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Nebraska—Continued													
Broken Bow	0.14	0.38	0.98	0.17	5.11	5.78	4.78	0.92	0.83	1.51	3.14	0.10	23.84
Bruning	0.13	2.17	0.89	0.79	3.42	4.59	2.53	3.20	0.94	2.92	2.79	0.03	24.40
Burwell	0.20	0.70	1.37	0.15	4.21	5.59	1.94	1.49	1.25	2.44	1.20	0.45	20.99
Butte	T.	0.48	1.69	0.13	1.83	2.87	2.13	1.73	1.12	1.91	1.15	T.	15.04
Cairo	0.18	0.96	0.65	T.	4.19	4.15	2.52	1.01	0.96	2.88	2.80	0.14	20.44
Cambridge	0.40	0.52	1.53	0.00	5.86	5.41	6.18	T.	-------	3.49	2.18	0.00	-------
Central City	T.	1.08	0.85	0.06	5.09	4.25	3.62	0.88	1.24	5.03	3.84	0.17	26.11
Chadron	0.18	0.37	0.62	0.35	2.19	1.80	3.44	0.46	0.44	0.88	0.91	0.77	12.41
Clay Center	0.02	1.00	0.25	T.	2.54	-------	4.36	3.61	2.95	6.11	2.30	0.02	-------
Columbus	0.09	1.64	0.46	0.06	4.46	4.62	3.80	1.25	1.79	4.02	2.92	0.16	25.27
Crete	0.05	1.03	0.61	1.07	2.65	3.76	3.34	5.40	1.94	4.07	4.27	T.	28.19
Culbertson	0.10	0.51	1.33	0.54	6.68	7.29	7.75	0.50	0.66	2.73	1.20	T.	29.29
Curtis	0.17	0.44	2.61	0.02	5.80	7.39	5.70	0.23	0.61	2.10	1.80	0.06	26.93
Dalton	0.33	0.59	0.46	0.93	2.21	4.14	4.13	0.53	0.36	2.60	2.71	0.12	19.11
David City	0.02	1.20	0.66	0.31	4.21	4.54	3.84	2.88	1.08	4.63	3.98	0.16	27.51
Dumas	0.12	1.15	0.75	0.10	2.75	4.71	1.84	0.50	1.18	1.92	1.10	T.	16.12
Elsie	0.14	0.15	1.45	0.23	4.20	6.71	7.46	0.81	0.50	1.64	2.30	0.07	25.66
Ericson (near)	0.00	0.92	0.40	0.05	3.19	3.41	1.69	1.31	0.90	1.31	0.37	T.	13.55
Ewing	-------	0.22	1.11	T.	2.95	3.31	1.95	0.85	1.54	1.34	0.90	T.	-------
Fairbury	0.16	2.41	0.51	1.83	3.21	6.31	6.57	3.84	2.13	4.39	3.65	0.04	35.05
Fairmont	0.18	1.32	0.83	0.09	2.82	3.51	3.25	4.87	0.92	5.92	3.89	0.02	27.62
Falls City	0.02	3.42	1.14	2.12	4.10	7.03	5.12	6.96	6.26	1.27	5.31	0.45	43.20
Fort Robinson	0.42	0.80	0.50	0.48	3.30	0.50	0.80	0.80	0.50	0.58	0.19	0.30	9.17
Franklin	0.16	1.53	1.18	0.01	3.49	5.82	5.75	0.91	1.19	3.91	2.23	T.	26.18
Fremont	0.04	1.67	0.61	0.96	2.60	5.59	2.63	1.72	1.27	5.07	3.63	0.31	26.10
Friend	0.13	1.76	0.34	0.23	2.87	3.53	4.96	5.19	0.54	6.47	2.66	T.	28.70
Fullerton	0.34	0.91	0.76	-------	-------	4.34	-------	-------	0.83	3.48	0.94	-------	-------
Geneva	0.20	1.84	0.72	0.39	2.64	3.83	4.52	3.80	0.22	9.49	3.13	T.	30.78
Genoa	0.05	1.03	0.87	0.08	4.21	3.53	2.52	0.37	1.38	3.44	-------	0.05	-------
Gordon	0.16	0.30	0.46	0.16	2.44	2.83	4.89	1.50	0.90	2.07	0.99	0.18	16.88
Gosper	0.14	0.41	1.84	T.	3.98	5.67	4.08	0.36	0.96	3.29	1.64	0.14	22.51
Gothenburg	0.20	0.16	1.10	T.	4.45	6.58	2.67	0.54	1.25	2.40	2.23	0.23	21.81
Grand Island	0.12	1.54	1.08	0.14	5.28	4.59	2.51	1.03	0.73	3.07	3.65	0.17	23.91
Greeley	0.10	1.10	0.54	0.02	3.11	3.27	2.36	1.73	0.70	2.31	2.08	0.24	17.56
Guide Rock	0.30	1.93	0.84	0.45	3.06	6.08	2.43	3.22	2.23	6.83	3.23	T.	30.60
Haigler	T.	0.13	0.40	0.15	7.09	4.40	4.66	0.71	0.91	2.63	0.70	0.00	21.78
Halsey	0.46	0.38	1.28	0.26	3.60	3.66	8.06	0.53	0.86	1.08	3.49	0.20	23.86
Harrison	0.40	1.10	0.70	0.90	3.88	3.33	4.17	0.33	0.40	0.90	0.50	0.30	16.91
Hartington	T.	2.20	2.33	0.18	4.95	2.64	3.30	1.76	1.57	3.89	1.59	0.15	24.56
Hastings	0.10	1.09	1.00	0.06	2.64	5.45	4.17	1.62	1.08	3.20	3.72	0.02	24.15
Hayes Center	0.10	0.67	1.77	0.37	8.18	7.14	8.63	0.47	0.98	3.10	1.07	0.39	32.87
Hay Springs	0.80	0.50	0.98	0.35	3.01	3.58	4.57	0.28	0.66	1.63	1.05	0.63	18.04
Hebron	0.10	2.15	0.65	1.10	3.25	3.95	1.95	2.90	0.80	1.90	1.15	T.	19.90
Holdrege	0.30	0.71	1.63	0.04	2.65	4.82	4.35	0.33	0.92	3.45	2.57	0.02	21.79
Hull (near)	0.30	0.46	0.32	1.05	2.62	2.28	3.38	0.40	T.	1.94	1.85	T.	14.60
Hyannis	0.12	0.34	0.53	0.37	4.20	6.68	4.73	0.18	1.07	1.44	0.31	0.20	20.17
Imperial	0.33	0.25	1.13	0.42	5.28	6.76	6.22	0.17	0.74	2.88	1.59	T.	25.77
Kearney	0.10	0.92	1.52	0.24	3.89	5.81	3.59	0.33	0.29	4.41	1.13	0.06	22.29
Kimball	0.20	0.75	0.90	0.45	3.34	6.96	4.69	2.04	0.33	2.43	0.79	0.15	23.03
Kowanda	T.	0.23	0.75	0.60	3.94	6.48	5.25	1.30	0.00	1.38	3.14	0.12	23.19
Lake Minatare	0.24	0.63	0.85	0.27	3.01	5.34	5.58	0.50	0.37	1.39	0.72	0.10	19.00
Lebanon	T.	0.42	1.48	0.00	4.57	5.43	4.82	T.	2.93	3.58	1.42	0.00	24.65
Lexington	0.27	0.71	2.42	0.00	3.92	6.21	2.60	0.90	0.58	2.93	4.73	0.42	25.69
Lincoln (Weather Bureau)	0.06	0.92	0.46	1.18	2.75	3.97	5.72	3.65	2.01	4.21	2.87	0.03	27.83
Lincoln (Agronomy Farms)	0.05	0.73	0.49	1.26	2.27	4.19	5.17	3.08	2.90	2.63	3.13	0.01	25.91
Lincoln (College View)	0.08	0.95	0.56	1.31	1.75	4.37	4.04	2.87	3.16	3.00	3.65	0.07	25.81
Lincoln (University Farm)	0.11	0.75	0.46	1.47	2.49	3.51	5.53	3.12	2.52	3.03	3.50	0.03	26.58
Lodgepole	0.35	0.78	0.46	0.46	2.72	6.15	4.10	1.58	0.26	1.37	1.13	T.	19.36
Loup City	0.15	1.01	0.99	0.02	4.87	3.85	2.32	0.93	1.13	2.61	2.22	0.20	20.30
Lyman	0.39	0.91	0.90	0.50	2.01	4.12	1.97	0.98	T.	1.50	1.65	0.30	15.23
McCook	0.14	0.37	0.89	0.28	3.86	4.68	6.76	0.34	1.00	1.36	2.13	0.00	23.81
McCool Junction	0.10	0.22	0.64	0.14	3.73	3.84	2.15	5.17	1.01	8.46	1.47	T.	26.93
Madison	0.15	1.20	0.90	T.	3.02	3.34	2.05	2.28	0.65	4.09	3.00	0.05	20.73
Madrid	0.10	T.	1.02	0.10	4.19	6.84	4.46	0.30	0.32	2.35	1.40	T.	21.08
Mary	-------	0.01	1.39	0.45	3.51	3.14	3.38	0.57	0.96	1.85	1.12	0.20	-------
Mason City	0.25	1.05	1.25	T.	4.42	4.75	2.07	1.70	-------	-------	-------	1.00	-------
Merriman	T.	0.03	0.98	0.39	1.88	2.73	5.37	0.26	1.16	1.08	0.60	0.25	14.73
Minden	0.12	1.27	1.21	0.07	3.81	5.37	2.91	0.36	1.48	3.42	2.71	0.03	22.76
Mitchell (near)	0.07	0.33	0.28	0.03	2.41	3.72	2.53	0.43	0.24	1.48	0.53	0.09	12.14
Mullen	-------	-------	-------	-------	-------	-------	5.25	0.70	2.06	1.60	-------	-------	-------
Nebraska City	0.14	1.54	0.66	1.82	3.40	5.46	2.27	4.89	4.80	2.08	5.50	0.42	32.98
Neligh	0.12	1.63	1.12	0.12	2.90	3.58	1.65	0.87	1.45	-------	-------	0.10	-------
Nelson	0.21	1.36	1.19	0.60	3.63	6.12	3.62	2.32	2.03	5.12	1.78	T.	27.98
Nenzel	0.17	0.25	1.40	0.36	2.04	6.95	5.72	1.14	0.74	2.65	0.39	0.43	22.24
Newport	0.06	0.43	1.78	0.18	2.32	3.01	2.71	0.70	1.64	1.63	1.46	0.04	15.96
Norfolk	0.05	1.98	1.27	0.11	4.61	3.84	2.61	1.77	1.31	2.95	0.80	0.21	21.51
North Loup	0.10	1.20	0.83	T.	4.67	3.45	2.96	1.06	0.93	1.99	3.54	0.20	20.93
North Platte	0.13	0.17	1.40	0.04	3.62	4.64	5.04	0.11	0.96	2.61	0.99	0.08	19.79
Oakdale	0.07	1.67	0.99	0.10	3.76	3.57	1.47	0.84	1.16	3.62	1.29	0.10	18.64
Ogallala	0.26	0.07	0.88	0.05	3.68	5.89	6.47	0.72	0.50	0.90	1.95	T.	21.37
Omaha	0.01	0.93	0.47	1.51	1.97	5.20	6.55	3.12	2.73	3.33	2.87	0.40	29.00
O'Neill	0.10	1.89	1.13	0.02	3.01	2.51	1.74	0.94	0.87	2.93	1.54	T.	16.68
Ord	0.13	1.44	1.23	0.09	3.19	3.83	2.19	1.55	1.30	3.02	1.51	0.15	19.63
Orleans	0.10	1.13	1.78	0.10	5.20	5.40	6.96	1.04	1.03	5.37	1.15	0.00	29.26
Osceola	0.10	1.20	0.87	0.10	4.53	3.03	1.83	1.49	1.12	5.55	2.00	T.	21.82
Oshkosh	0.11	0.08	0.46	0.28	3.00	7.28	4.89	0.48	0.34	1.69	1.05	0.16	19.82
Pawnee City	0.15	3.56	0.63	3.75	2.31	6.51	3.22	4.09	2.68	2.20	4.37	0.60	34.07
Paxton	0.19	0.08	0.80	0.10	4.20	5.62	6.88	1.31	0.30	1.93	0.97	0.16	22.54
Peru	0.06	1.65	0.25	2.06	2.34	6.05	3.12	3.98	5.20	1.64	5.31	0.15	31.83
Plattsmouth	0.02	0.80	0.37	1.52	2.51	5.84	7.82	4.88	3.66	2.17	3.39	0.61	33.59
Potter	0.52	0.96	1.06	1.36	2.65	4.22	4.54	0.81	0.36	1.93	1.58	0.05	20.04
Purdum	0.20	0.23	1.70	0.18	3.14	4.16	5.90	0.65	0.97	1.88	1.40	0.23	20.64
Ravenna	0.12	0.95	0.69	0.06	5.01	7.05	2.73	0.82	0.77	3.18	2.26	0.13	23.77
Red Cloud	0.20	1.84	0.72	0.19	2.79	4.39	2.73	3.79	1.01	4.93	2.55	0.01	25.35
St. Paul	0.14	0.75	0.44	0.02	4.41	5.15	2.99	0.89	1.17	4.08	1.41	0.01	21.43
Santee	0.02	2.20	1.34	0.16	3.25	2.48	1.65	2.18	2.12	3.20	1.08	0.05	19.76
Sappa Valley	0.25	0.75	1.95	0.00	3.86	4.25	4.61	0.12	1.49	3.80	2.78	0.00	23.86
Schuyler	0.13	0.74	0.52	0.19	4.25	5.06	4.45	1.53	0.98	4.37	3.12	0.13	25.37

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Nebraska—Continued													
Scottsbluff	0.33	1.05	0.71	0.19	2.37	3.70	3.43	0.69	0.14	1.80	0.83	0.17	15.41
Seward	0.24	1.93	0.83	0.56	4.20	3.69	5.18	3.03	0.79	8.16	1.36	0.10	30.07
Sheep Creek Camp No. 5			0.43	0.17	1.48	3.35	3.29	1.60	0.66	0.74	0.73	0.04	
Sidney	0.23	0.72	0.62	1.01	2.42	6.87	4.33	1.46	0.44	2.53	1.05	T.	21.68
Sidney (near)	0.30	0.97	0.65	0.58	5.58	7.74	3.81	1.95	0.43	1.39	1.32	0.05	24.77
Springview	0.08	0.23	1.16	0.46	1.83	4.51	3.33	1.64	0.65	2.11	0.91	0.30	17.21
Stanton	T.	1.28	1.30	0.13	2.52	3.70	1.78	1.71	1.26	4.40	1.46	0.12	19.66
Stapleton	T.	0.50	1.01	T.	5.70	4.05	4.55	0.66	0.87	2.08	2.15	0.20	21.77
Stratton	0.10	0.64	0.81	0.40	7.89	6.14	7.36	0.95	1.54	3.00	1.55		
Sutherland	0.25	0.28	1.35	0.15	3.20	5.53	8.48	0.30	0.73	1.40	1.93	0.17	23.77
Syracuse	0.04	1.66	0.36	1.49	1.79	5.65	3.19	4.08	4.68	2.29	4.36	0.32	29.91
Table Rock	0.12	3.21	0.72	2.86	2.35	7.28	3.31	3.13	3.98	2.66	5.02	0.48	35.12
Taylor	0.16	0.35	0.71	0.04	3.86	4.34	2.98	0.97	0.86	2.55	0.92	0.18	17.92
Tecumseh	0.05	2.54	0.74	2.45	1.55	5.71	4.76	4.92	3.45	2.19	5.83	0.52	34.71
Tekamah	T.	1.42	0.77	1.12	3.98	4.28	3.36	3.04	1.39	5.54	2.69	0.19	27.78
Upland	0.70	1.37	1.20	0.15	2.60	5.25	3.85	3.25	1.30	4.05	3.10	0.25	27.07
Utica	0.06	1.09	0.73	0.19	3.14	3.93	5.37	3.97	1.27	5.96	2.83	0.02	28.56
Valentine	0.26	0.38	2.00	0.55	1.52	3.35	3.76	2.10	0.78	1.63	0.69	0.66	17.78
Virginia	0.06	2.49	0.63	2.79	2.42	5.01	2.83	2.64	2.74	1.54	4.81	0.05	28.01
Wahoo	0.05	0.87	0.66	0.87	3.58	5.44	6.11	3.61	1.52	6.87	2.78	0.20	32.56
Wakefield	T.	1.61	1.77	0.08	6.22	1.71	2.71	1.25	1.61	5.11	1.28	0.20	23.55
Walthill	0.06	2.19	1.10	0.95	5.15	3.35	2.96	1.34	1.75	4.37	2.23	0.16	25.61
Watertown	0.10	1.17	1.21	0.15	4.08	5.74	3.72		0.55	3.29	1.96	0.10	
Wauneta	0.25	0.45	0.61	0.41	5.45	5.22	12.71	1.59	0.89	3.34	0.94	T.	31.86
Weeping Water	T.	1.05	0.53	1.65	2.52	6.55	5.56			4.15	3.75	0.29	
Western	T.	1.29	0.52	1.20	1.38	3.63	1.47	5.51	2.04	4.52	1.10	T.	22.66
Westpoint		0.57	0.82	0.12	4.48	4.96	3.13	1.84	1.23	3.27	1.64	0.08	
York	0.06	0.66	0.71	0.14	3.51	3.70	3.34	3.32	0.80	6.02	2.32	0.04	24.62
Nevada													
Alamo	0.05	0.84	0.73	0.00	0.49	T.	0.14	0.02	0.00	0.54	0.24	0.99	4.04
Arthur	0.89	1.01	2.96	1.13	0.23	0.86	1.19	T.	0.00	0.63	1.04	0.84	10.78
Austin	0.86	0.76	1.91	1.19	0.21	2.06	0.47	0.06	0.00	0.77	0.87	1.28	10.44
Battle Mountain	0.20	0.10	1.71	0.60	0.30	0.60	0.10	0.10	0.00	0.55	0.70	0.30	5.26
Beatty	0.08	0.45	0.42	0.00	0.15	0.00	0.00	T.	0.00	0.25	0.41	0.45	2.21
Beowawe	0.56	0.00	1.15		0.22	0.71	0.00	0.00	0.00	0.46	0.22	0.25	
Caliente								0.03	0.01	0.00	0.01	0.40	
Carson City	0.23	0.01	4.46	0.91	0.47	0.05	0.00	0.00	0.00	0.11	0.39	1.10	7.73
Clay City	0.00	0.53	0.16		0.35				0.00	0.34			
Elko	1.03	0.12	1.54	0.22	0.45	0.70	0.15	T.	0.00	0.28	0.28	0.40	5.17
Eureka	0.70	0.18	0.84	0.22	0.32	0.96	0.81	0.34	0.00	0.55	0.42	0.79	6.13
Fallon	0.08	0.12	1.09	0.24	T.	0.20	T.	0.00	0.00	0.21	0.41	0.20	2.55
Gerlach (near)	0.00	0.33	1.54	0.00	T.	0.24	0.00	0.00	0.01	0.10	0.09	0.40	3.31
Golconda	0.32	0.10	0.93	0.50	0.02	0.09	0.04	0.00	0.00	0.20	0.14	0.30	2.64
Gold Creek	1.10	0.59	1.70	0.52	0.28	1.07	T.	0.02	0.22	1.23	1.24	0.79	8.76
Goldfield	0.16	0.26	0.27	0.00	0.20	0.00	0.16	0.00	0.00	0.05	0.40	0.42	1.92
Hylton	0.55	0.42	1.63	1.92	0.32	2.14	0.16	0.00	T.	1.03	0.70	0.70	9.77
Imlay	0.03	0.06	0.87	0.40	0.03	0.43	T.	0.04	0.00	0.25	0.41	0.25	2.77
Kimberly		0.43	1.62	0.55	0.20	0.98	0.47	0.34	0.00	2.35	0.97	2.35	
Lahontan	0.15	0.08	0.52	T.	T.	T.	0.00	0.00	0.00	0.01	0.24	0.20	1.20
Lamoille	0.35	0.31	1.66	1.10	0.17	0.79	0.68	T.	0.01	1.60	1.18	0.95	8.80
Las Vegas						0.00	0.05	0.01	0.00	0.10	0.30		
Logandale	0.01	0.98	0.26	0.00	0.12	0.00	0.09	0.03	0.00	0.04	0.30	0.35	2.18
Lovelock	0.41	0.15	2.10	0.08	0.00	0.13	0.00	0.00	0.00	0.16	0.27	0.50	3.80
McGill	0.67	0.09	0.83	0.60	0.63	1.36	0.21	0.45	0.00	0.93	0.48	0.31	6.56
Mahoney Ranger Station	1.15	1.03	3.41	1.37	0.45	0.61	0.16	0.17	0.04	1.08	1.75	1.03	12.25
Millett	0.17	0.45	0.96	0.02	0.13	0.64	0.09	0.07	0.00	0.02	0.08	T.	2.63
Mina	0.00	0.05	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Minden	0.06	0.03	1.03	0.42	0.16	0.10	0.00	0.05	0.00	0.30	0.06	0.59	2.80
Montello		0.05	0.15		0.05	0.77	0.20	T.	0.00	0.18		0.64	
Nixon					0.01	0.32	0.00	0.35	0.00	0.06	0.49	0.11	
North Fork	0.57	0.24	2.50	0.11	0.26	0.20	0.25	0.06	0.00	0.49	0.60	0.12	5.40
Orovada	0.65	0.57	1.65	1.01	0.05	0.39	0.03	0.04	0.11	0.42	1.17	0.81	6.90
Owyhee	0.62	0.60	1.08	0.66	0.40				0.07	0.76	0.92	0.50	
Paradise Valley	0.68	0.43	1.66	0.75	0.16	0.11	0.16	0.08	0.09	0.39	0.67	0.35	5.53
Reno	0.14	0.07	2.34	0.66	0.13	0.11	0.16	0.33	T.	0.10	0.29	0.32	4.65
Rye Patch	0.38	0.42	1.58	0.04	0.38	0.58	0.00	0.10	0.05	0.10	0.80	0.57	5.00
Sand Pass	0.30	0.22	2.38	0.14	0.31	0.15	0.12	0.20	T.	T.	0.43	0.19	4.44
San Jacinto	0.44	0.10	0.28	0.29	T.	0.48	0.14	T.	T.	0.14	0.41	0.24	2.52
Schurz	0.05	0.10	1.40	0.20	0.09	0.05	0.09	T.	0.00	0.03	0.14	0.21	2.36
Searchlight	0.50	0.30	0.00	0.00	0.40	0.00	0.00	0.20	0.00	0.10	0.00	0.20	1.70
Sharp	0.20	1.22	2.22	0.63	1.15	0.56	0.35	0.11	0.00	1.22	0.63	1.46	9.15
Smith	0.07	0.02	1.37	0.40	0.28	0.00	0.25	0.00	0.15	0.25	0.06	0.82	3.67
Sulphur	0.11	0.13	0.84	0.07	0.12	0.13	0.00				0.71		
Thorne	0.00	0.05	1.18	0.09	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.05	1.84
Tonopah	0.12	0.42	0.58	T.	0.16	0.08	0.02	0.08	0.00	0.32	0.27	0.58	2.63
Tuscarora (near)	1.21	0.57	2.37	0.79	0.59	0.65	0.40	0.22	0.02	0.95	1.88	0.75	10.41
Winnemucca	0.45	0.16	1.90	0.54	0.06	0.43	0.29	0.02	0.10	0.58	0.64	0.35	5.52
Yerington	T.	0.10	0.71	0.14	0.05	0.07	0.08	T.	T.	0.15	0.16	0.04	1.50
New Hampshire													
Arlington Mills	2.48	2.99	1.61	5.75	3.15	4.73	3.82	5.42	3.37	1.66	1.41	2.14	38.53
Bartlett					4.86	4.36	4.66	4.44	3.08				
Berlin	3.67	2.02	2.34	3.02	3.63	2.07	2.23	4.33	3.47	2.17	1.41	2.24	32.60
Bethlehem	1.74	3.08	2.83	1.32	2.90	2.68	2.46	3.32	3.33	1.41	0.70	1.44	27.41
Concord	1.80	2.50	1.56	3.55	2.61	4.43	6.04	5.12	2.41	0.89	1.95	1.61	34.47
Durham	2.23	3.50	1.35	4.10	2.89	3.44	3.56	5.28	3.66	1.45	1.58	3.70	36.74
Errol	2.58	2.09	3.77	3.29	5.19	2.97	3.73	6.20	4.55	3.49	3.33	1.98	42.17
Franklin	2.97	2.85	2.22	4.45	3.48	3.25	6.74	5.27	3.51	1.27	1.66	1.73	39.40
Glencliff	1.78	1.98	2.49	3.15	4.32	4.34	3.20	7.71	3.39	2.11	3.12	1.00	38.39
Gorham					3.07	2.46	2.23	3.09		1.89			
Hanover	1.57	1.32	1.97	2.91	3.58	3.80	3.05	5.11	2.36	2.00	1.41	0.84	29.92
Jeremy Hill				4.96	3.14	3.86	4.94	6.03					
Keene	2.26	2.26	1.99	3.88	3.32	4.32	5.19	6.70	4.59	0.80	1.58	2.07	38.96
Lakeport	3.19	3.35	3.77	4.62	3.87	4.12	3.82	4.48	2.92	1.38	2.48	2.06	40.06
Lancaster	1.86	1.26	1.80	1.79	3.90				4.95	2.56	2.53	1.29	
Lincoln	3.32	2.49	2.22	2.70	3.36	5.12	4.83	5.74	3.14	2.65	3.27	2.71	42.02

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
New Hampshire—Continued													
Littleton												1.63	
Milan	3.29	2.30	2.80	3.46	4.12	3.44	2.58	4.80	4.94	3.31	2.63	3.01	40.77
Nashua	2.14	2.73	1.42	4.84	2.73	4.00	6.82	5.71	2.75	1.38	2.41	1.98	38.91
New Durham	3.64	3.34	2.98	3.63	2.34	3.98	4.83	3.80	3.12	1.44	2.05	2.31	37.46
Newport											1.07	2.23	
Pittsburg (a)	4.02	2.02	3.11	2.80	5.15	3.39	2.56	6.51	4.62	7.58	4.82	2.31	48.89
Pittsburg (b)	5.27	2.31	3.79	4.01	5.89	4.48	3.08	7.03	5.58	8.13	4.56	3.73	57.86
Plymouth	3.21	2.86	1.92	3.67	3.48	4.66	4.26	3.96	2.44	1.81	2.15	2.11	36.53
Twin Mountain				2.60	2.77	6.01	1.74		3.31	2.91	0.83		
West Stewartstown	3.36	1.59	2.60	3.46	4.24	3.01	3.08	4.63	4.75	5.74	3.41	2.21	42.08
Woodsville	2.32	1.42	2.24	2.80	3.92	3.60	1.88	6.18	3.03	1.69	1.72	1.27	32.07
New Jersey													
Asbury Park	2.17	4.17	2.61	5.55	2.25	6.98	5.36	3.33	4.66	0.24	1.80	1.94	41.06
Atlantic City	2.23	2.72	2.48	6.87	3.49	3.03	3.40	6.20	9.16	1.38	1.87	2.03	44.86
Bayonne					2.59	6.37	7.47	5.34	3.71				
Belleplain	1.68	2.44		5.37	3.37	3.57	3.30	6.89	6.94	1.25	1.38	2.24	
Belvidere	3.05	4.29	3.19	5.14	2.44	6.52	8.91	14.26	2.97	0.78	2.47	1.31	55.33
Boonton	2.33	4.48	2.61	5.17	1.48	7.42	8.24	10.08	3.43	0.76	1.20	1.10	48.30
Bridgeton	1.47	2.63	2.80	4.79	2.93								
Burlington	2.52	3.79	2.51	5.39	2.16	6.91	6.38	5.03	3.69	1.12	2.30	1.58	43.38
Cape May	2.10		2.22	4.17	1.35	3.95	4.99	5.46	6.72	1.11	1.39	2.25	
Charlotteburg	2.92	5.01	2.97	4.73	1.79	7.25	6.32	9.63	3.06	0.89	2.37	2.13	49.07
Chatham	3.97	5.63	3.82	5.57	2.00	4.86	8.53	8.47	5.09	1.36	1.53	2.30	53.13
Clayton	2.05	3.65	3.36	5.80	2.34	6.77	5.37	6.91					
Culvers Lake	2.21	3.20	3.26	4.38	1.60	10.34	7.05	10.31	1.54	0.28	2.24	1.31	47.72
Dover	2.67	4.63	3.23	4.91	1.99	7.38	10.22	8.57	3.22	0.51	2.72	1.21	51.26
Elizabeth	2.55	4.33	2.82	4.71	1.75	6.11	8.79	6.32	4.45	1.50	1.94	4.63	49.90
Flemington	2.58	5.01	2.77	5.69	3.22	6.55	6.36	5.80	3.47	1.45	1.52	1.23	45.65
Hightstown	1.97	4.48	2.91	5.72	2.58	7.54	9.46	4.67	4.91	2.58	1.55	1.46	49.83
Highwood	2.92	4.91	2.78	5.06	2.46	8.56	9.10	5.95	3.33	1.11	1.82	1.62	49.62
Imlaystown	1.74	3.80											
Indian Mills	3.78	4.09	3.05	5.52	2.98	6.74	4.89	7.80	5.96	1.06	2.76	2.68	51.31
Jersey City	1.57	4.61	2.65	4.76	2.05	6.24	7.78	4.26	3.53	1.34	2.05	0.87	41.71
Lakewood	2.04	4.37	3.19	5.87	2.75	5.75	7.02	7.09	6.47	0.73	1.92	1.87	49.07
Lambertville	2.84	5.38	2.96	5.89	2.76	7.50	6.69	5.52	4.18	1.70	1.99	1.27	48.68
Layton	3.03	3.62	3.59	5.07	2.18	9.22	7.55	6.95	2.41	0.45	2.23	0.97	47.27
Little Falls	2.50	5.16	3.47	5.72	1.62	6.58	10.08	7.10	4.63	0.91	1.20	2.09	51.06
Long Branch	1.42	3.85	3.08	5.56	2.71	8.34	6.60	4.68	5.99	0.60	2.09	1.43	46.35
Moorestown (No. 1)	1.94	3.77	2.45	5.78	2.39	7.99	2.21	5.19	4.61	1.61	1.90	2.00	41.84
Moorestown (No. 2)					2.32	7.73	2.58	4.94	4.49	1.84	1.52	2.22	
New Brunswick	1.54	4.64	1.72	4.32	1.91	7.18	8.66	5.87	4.46	2.02	1.56	1.64	45.52
New Milford	2.19	4.15	2.71	3.82	1.96	7.76	8.67		2.77	0.89	2.01	0.69	
Newton	1.74	3.02	3.11	4.01		7.77	7.47	8.11	2.04	1.07	1.97	1.55	
Northfield	1.95	2.87	2.45	6.22	2.85	3.64	3.34	7.26	7.67	1.14	1.35	2.34	43.08
Paterson	2.38	4.93	3.38	5.06	1.70	7.71	7.91	8.04	4.07	0.83	1.96	1.43	49.40
Phillipsburg	2.16	2.17	1.70		1.26		6.55	10.59	2.24	0.74	2.01	0.91	
Plainfield	2.30	5.11	2.94	4.67	1.33	8.69	9.72	5.58	4.47	1.61	2.11	1.00	49.53
Pleasantville	2.52	2.91	2.87	6.87	2.94	3.60	3.97	6.18	8.46	1.45	1.25	3.02	46.04
Ridgefield	2.25		2.81	4.77	1.93	7.14	7.64	5.11	3.16	1.24	2.16	1.16	
Riverton	2.12	3.87	2.56										
Runyon	1.90	4.20	2.82	5.85	2.22	6.89	9.37	6.17	4.34	1.84	1.69	1.52	48.81
Sandy Hook	1.37	4.71	2.44	4.26	1.91	6.37	8.42	6.31	4.08	1.22	1.89	1.07	44.05
Somerville	2.28	4.69	2.31	5.13	2.27	7.29	4.50	4.53	3.42	1.69	1.23	1.40	40.74
South Orange			2.27	4.94	1.94	7.45		7.94	5.03	1.29	1.96	1.20	
Sussex	2.65	3.52	2.76	4.98	2.04	8.02		7.29	1.90	0.80	2.51	1.13	
Trenton	1.74	4.09	2.19	4.67	2.45	5.90	7.17	3.40	3.42	1.58	1.91	1.19	39.71
Tuckerton	1.85	3.22	2.46	7.16	2.02	3.33	2.81	5.77	9.62	1.60	1.71	1.96	43.51
Verona	2.38	5.32	3.37	5.38	1.80	4.84	9.05	7.64	4.38	0.84	2.26	0.90	48.16
Vineland	1.78	2.66	2.86										
Woodcliff Lake	2.48		3.47	4.53	2.28	7.26	8.39		3.20	0.69	2.47	1.10	
New Mexico													
Abbott	0.00	1.23	0.71	0.09	3.72	0.44	1.04	2.22					
Agricultural College	0.03	0.69	0.06	0.09	1.79	0.01	1.20	2.14	0.16	2.08	0.98	0.14	9.37
Alamogordo (No. 1)	0.00	1.07	T.	0.10	2.08	0.01	0.93	2.78	0.64	3.05	1.39	0.22	12.27
Alamogordo (No. 2)	0.00	0.88	0.00	0.08	2.33	T.	0.79	2.79	0.53	2.90	1.55	0.26	12.11
Alamos Ranch	0.00	0.30	0.28	1.27	1.47	0.09	2.34	5.30	1.00	1.15	0.66	0.39	14.45
Albuquerque	0.00	0.21	0.10	0.57	1.63	T.	2.54	1.96	0.05	0.88	0.27	0.20	8.41
Amistad	0.00	0.17	0.77	0.17	3.49	3.15	0.72	5.61	0.20	2.81	1.33	0.92	19.34
Ancho	0.00	1.18	T.	0.57	2.15	0.00	2.15	4.22	0.33	2.57	0.64	0.24	14.05
Animas	0.00	1.27	0.00	0.00	2.20	0.04	2.82	0.50	T.	2.68	0.94	0.12	10.57
Aragon	0.00	1.97	0.15	0.56	1.71	0.00							
Artesia	T.	1.23	T.	0.68	1.74	0.21	3.00	4.86	0.80	1.53	0.54	0.54	15.13
Aspen Grove Ranch	0.11	1.42	2.55	2.05	2.32	0.19	3.73	2.92	0.51	1.97	1.38	0.72	19.87
Augustine	0.00	1.56	0.45	1.05	2.45	0.00	1.85	3.25	0.25	1.50	0.30	1.00	13.66
Aurora	0.00	1.81	1.13	1.95	3.12	0.52	4.01	3.12	0.35	0.95	2.48	0.35	19.79
Aztec	0.20	0.64	0.76	0.37	1.35	0.00	0.34	1.51	0.21	1.28	2.30	0.38	9.34
Baca Ranch Ranger Station	0.00	1.12	T.		3.12	0.00		4.82	0.73	2.07			
Baldwin Ranger Station	0.00	1.01	0.03	0.48	2.82	0.00	2.24	2.69	0.10	0.68	0.79	0.40	11.24
Batemans Ranch				1.21	2.22	0.19	2.83	2.59	0.89	0.33	1.82	1.24	
Bell Ranch	0.00	0.60	0.30	1.33	2.46	1.20	1.12	1.88	1.31	3.88	1.28	0.50	15.86
Bellview	0.00	0.39	0.10	0.60	3.69	2.10	1.02	3.68	0.34	3.13	1.38	0.77	18.10
Black Lake	0.00	0.85	0.92	0.80	1.30	0.33	2.68	2.41	0.88	1.60	0.96	0.45	13.27
Blackrock	0.09	0.80	0.17	0.49	1.60	0.13	2.04	1.52	0.50	1.35	0.59	0.58	9.86
Bloomfield	0.20	0.45	0.42	0.26	1.08	0.05	0.30	0.77	T.	0.70	2.23	0.19	6.65
Bluewater	T.	0.45	0.22	0.49	1.33	0.00	1.30	3.63	0.41	0.70	0.35	0.07	8.95
Boaz	0.00	0.49	0.03	0.20	3.07	0.37	2.75	4.86	0.45	2.48	0.49	0.34	15.53
Cambray	0.00	1.14	0.00	T.	1.05	0.00	0.30	1.37	0.20	2.50	0.53	0.07	7.16
Campana	0.00	0.64	0.45	0.89	4.77	0.66	1.44	1.82	0.92				
Capitan	0.00	1.83	0.40	0.87	2.12	0.00	2.68	4.82	1.14	2.23	0.71	0.21	17.01
Capulin Ranger Station	0.15	0.67	0.84	1.15	1.49	0.00	0.83	2.28	0.02	0.72	0.76	0.22	9.13
Carlsbad	0.00	0.65	T.	0.85	1.68	T.	2.79	5.53	0.86	1.06	0.36	0.03	13.81
Carrizozo	T.	1.76	0.46	0.79	2.96	T.	1.82	6.83	1.07	3.43	0.94	0.58	20.64
Carson Seep Ranger Station	0.00	1.59	0.18	2.52	1.75	0.53	2.79	7.90	1.05	2.20	1.03	0.28	21.92
Chacon	0.00	1.36	0.58	1.28	3.13	0.33	3.08	3.50	0.41	1.18	0.92	0.41	16.18

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
New Mexico—Continued													
Chama	0.07	0.53	1.05	0.49	2.35	0.05	2.00	1.10	0.55	1.33	0.82	0.98	11.32
Chamberino	0.00	0.55	0.04	0.00	0.83	0.00	0.14	1.11	0.12	0.72	0.77	0.00	4.28
Chloride Ranger Station	0.00	3.27	0.26	1.20	3.06	T.	3.00	5.23	1.15	0.67	1.35	0.14	19.33
Cimarron	0.00	0.96	1.01	1.93	2.90	0.46	0.84	1.95	0.16	1.77	1.75	0.43	14.16
Clayton	0.00	0.28	1.54	1.22	6.53	3.32	2.33	2.09	0.59	4.31	1.51	0.54	24.26
Cloudcroft	0.06	2.23	0.13	0.37	3.53	0.00	4.87	8.44	1.09	3.58	1.40	0.29	25.99
Cloverdale	0.00	1.01	0.00	0.05	0.63	0.00	3.28	3.84	0.00	6.05	1.90	0.42	17.18
Clovis	0.00	1.03	T.	0.10	4.61	4.18	5.21	3.91	0.25	4.60	0.68	0.52	25.09
Colmor (near)	0.00	1.36	0.57	1.77	3.70	0.73	2.93	2.58	0.87	1.62	1.69	0.36	18.08
Columbus	0.00	1.21	0.00	0.20	1.63	0.00	0.77	2.66	0.15	3.05	0.95	0.29	10.91
Corona	0.00	1.48	0.17	1.16	1.90	T.	0.66	3.58	T.	2.28	0.87	1.07	13.17
Coyote	0.00	0.70	0.63	0.84	1.18	0.00	2.10	1.88	0.01				
Crown Point	0.09	0.74	0.32	0.68	1.67	0.03	1.24	1.88	1.52	0.90	2.14	0.20	11.41
Cuervo	0.00	0.83	0.05	1.40	3.25	0.35	0.37	2.10	1.72	4.75	1.30	0.80	16.92
Dawson	T.	0.84	0.45	0.52	2.53	0.46	3.82	2.53	0.06	2.90	2.59	0.54	17.24
Deming	0.00	1.22	0.00	T.	1.34	0.00	1.08	3.03	0.00	3.85	0.33	T.	10.85
Demonstration Farm	0.00	1.26	0.40	1.10	2.00	0.11	0.86	2.96	0.12				
Des Moines	T.	0.24	0.95	2.00	4.53	2.39	1.50	2.60	0.90	2.57	2.10	0.43	20.21
Doretta	0.01	0.96	0.35	2.85	4.59	0.46	0.89	6.22	0.42	1.92	0.46	0.42	19.64
Dulce	0.09	0.85	0.86	0.54	2.76	0.00	3.16	1.65	0.04	0.11	2.33	0.11	11.90
Dunagan Ranch	T.	0.34	0.00	T.	1.05	0.00	2.20	4.04	T.	2.33			
Duran	0.01	1.66	0.36	1.92	5.21	0.00	2.50	3.44	0.80	3.44	0.05	0.17	19.56
Eagle Rock Ranger Station	0.13		1.01		2.22	0.66	2.13	1.69	T.	0.80	0.97	0.45	
Elephant Butte Dam	0.00	1.84	0.06	0.28	1.01	0.00	0.60	3.57	1.04	1.84	0.54	0.20	10.98
Elida	0.00	0.67	0.00	0.74	2.58	0.34	3.29	3.64	0.83	2.75	0.85	0.68	16.37
Elizabethtown	0.20	1.34	0.98	1.64	2.20	0.80	3.35	1.90	T.	0.60	1.43	0.65	15.09
Elk (near)	T.	0.64	T.	0.39	1.97	0.13	3.53	5.93	1.25	3.39	0.58	0.07	17.88
El Rito	0.00	0.73	0.69			0.21	2.10	5.70	0.30	0.65			
Espanola	0.00	0.11	0.08	0.61	1.70	0.00	0.80	4.30	0.00	0.29	0.05	0.03	7.97
Estancia (near)	0.00	0.83	0.08	0.55	3.50	0.00	0.85	3.68	0.25	0.92	0.28	0.11	11.05
Farmington	0.17	0.83	1.09	0.37	0.69	0.00	0.29	0.86	0.00	1.15	1.85	0.19	7.49
Felix (near)							2.11	5.18	0.77	4.13	0.35	0.41	
Field (near)	T.	1.37	0.07	0.44	3.63	1.29	3.56	3.47	0.30	5.01	1.29	0.45	20.88
Fort Bayard	0.00	2.32	0.00	0.72	3.12	0.00	1.80	6.23	2.99	3.27	0.86	0.23	21.54
Fort Stanton	0.00	1.83	0.11	0.15	1.61	0.00	0.86	3.46	0.09	1.85	0.53	0.23	10.72
Fort Sumner	0.00	2.65	0.23	1.20	7.24	0.68	0.78	5.68	0.51	3.22	0.95	0.75	23.89
Frijoles Canyon	0.00	0.75	0.42	1.26	2.04	0.12	1.17	4.82	0.00	1.30	0.51	0.29	12.68
Gage	0.00	1.78	0.00	0.17	1.22	0.00	1.21	1.65	0.10	3.30	0.64	0.00	9.97
Gallinas Planting Station	T.	2.53	0.71	3.51	4.85	1.37	5.57	5.65	0.64	2.43	1.76	1.34	30.36
Gallinas Ranger Station	0.00	0.94	0.00	0.60	1.90	0.00	2.36	3.20	0.61	2.38	0.62	0.04	13.55
Camerco	0.15	0.88	0.45	0.46	1.71	T.	1.13	2.22	0.34	1.79	1.07	0.34	10.54
Glenrio	0.00	2.04	0.03	0.56	5.77	4.37	1.10	2.83	0.19	3.12	1.70	0.67	22.38
Glorietta Ranch	0.00	1.43	0.12	0.22	2.32	0.14	1.05	1.19	0.39	1.26	0.32	0.16	8.60
Grady (near)	0.00	0.63	0.09	0.67	3.68	0.91	3.69	3.08	0.42	3.88	1.22	1.21	19.48
Grahams Ranch	0.00	1.68	0.10	0.06	1.80	0.00	0.85	2.27	0.00	2.40	0.67	0.18	10.01
Hachita	0.00	0.87	0.00	0.12	0.73	0.00	2.22	1.72	0.00	2.91	0.48	0.16	9.21
Hillsboro	0.00	3.70	0.00	0.50	1.15	0.00	3.22	3.72	0.30	0.94	1.10	0.25	14.88
Hobbs	0.18	0.26	0.02	0.30	1.71	2.19	4.20	8.26	0.58				
Hood Ranger Station	T.	2.25	0.45	1.22	1.68	0.00	3.05	1.06	0.42	1.77	0.80	0.28	12.98
Hoosier Ranch	0.00	0.62	0.10	0.34	2.97	0.78	1.82	1.78	1.02	6.16	1.77	1.13	18.49
Hope	0.00	1.25	0.00	0.80	2.15	T.	4.32	5.00	0.65	2.00	0.32	0.50	16.99
Ione	0.00	T.	0.35	0.68	4.28	2.70	2.73	6.77	0.20	2.92	0.85	1.65	23.13
Isidore	0.00	1.56	0.25	1.50	2.29	0.78	1.53	2.58	2.11	4.66	1.60	0.61	19.47
Jemez Springs	0.00	1.01	0.54	0.48	2.68	0.00	3.65	4.47	0.10	1.50	0.72	0.55	15.70
Jewett Ranger Station	0.11	1.67	0.34	0.87	1.55	0.00	2.63	3.80	T.	1.70	0.74	0.26	13.67
Jicarilla (near)	0.00	1.44	0.20	0.76	2.60	0.00	1.59	6.56	1.14	1.28	0.71	0.30	16.58
Jornada Range Reserve	T.	0.82	T.	0.09	1.31	T.	1.27	2.62	0.03	2.49	1.05	0.10	9.78
Kingston	0.00	3.75	T.	0.35	2.21	0.00	2.05	4.65	2.15	2.55	1.08	0.47	19.26
Laguna	0.00	0.75	0.37	0.35	2.07	T.	1.67	2.28	0.08	0.56	0.52	T.	8.65
La Jara Ranger Station	0.15				1.10	0.00							
Lake Alice (near)	T.	1.37	1.25	2.37	4.75	3.59	1.53	3.95	0.50	4.75	2.05	0.53	26.64
Lake Avalon	0.00	0.62	0.00	0.69	1.07	0.00	1.23	2.63	0.65	0.99	0.31	0.00	8.19
Lake Valley	T.	3.08	T.	0.17	1.71	0.07	0.85	5.01	0.55	2.41	0.67	0.10	14.62
Lakewood	0.00	0.76	0.00	0.33	1.07								
Las Vegas	0.00	1.30	0.72	1.57	2.47	0.16	2.63	5.47	0.14	1.72	1.28	0.66	18.12
Lee Ranch	T.	2.07	0.76	0.66	1.44	T.	3.09	3.39	T.	1.32	0.46	0.83	14.02
Levy	0.00	1.75	0.62	1.30	4.26	1.25	1.28	4.56	0.88	1.92	3.50	0.72	22.04
Lindrith	0.08	0.47	0.02	0.59	2.58	0.01	3.81	3.08	0.16	1.26	2.61	1.99	16.66
Logan (near)	0.00	0.93	0.28	0.13	2.77	2.34	2.38	1.54	0.66	3.00	1.76	0.78	16.57
Lordsburg	0.00	1.39	0.00	T.	2.10	0.00	2.15	1.76	0.20	1.98	0.40	0.10	10.08
Los Griegos	0.00	0.32	0.06	0.75	1.38	0.08	1.43	2.65	0.15	0.72	0.47	0.20	8.13
Los Lunas (near)	0.00	0.05	0.00	0.46	2.19	0.15	0.38	4.91	0.00	1.25	0.87	0.00	10.26
Loving	0.00	0.45	0.00	0.52	1.70	0.74	3.25	6.77	0.75	1.23	0.46	0.10	15.97
Lovington	0.00	0.91	0.00	0.22			1.33	6.84	1.00	2.02			
Luna Ranger Station	0.00	3.00	1.05	1.43	1.81	0.08	1.00	3.85	0.13	1.88	0.98	0.58	16.69
Magdalena	0.00	0.90	0.25	0.37	2.52	0.08	0.70	3.91	0.31	0.69	0.45	0.38	10.56
Maxwell	0.00	0.11	0.72	0.73	4.27	1.60	0.41	2.18	0.40	0.93	0.83	0.13	12.31
Mayhill Ranger Station	0.00	1.47	0.14	0.36	0.95	0.12	3.44	4.21	1.35	3.50	0.75	0.34	16.63
McGaffey Ranger Station	0.00	1.56	0.73	0.70	3.30	0.08				2.21	0.77	0.72	
Melrose	0.00		0.08	0.45			2.35	3.81					
Mescalero	0.05	1.40	0.12	0.20	2.91	0.00	2.13	4.28	1.14	3.30	1.57	0.50	17.60
Miami							0.49	2.34	0.69	2.60	2.21	0.47	
Mills	0.00	0.80	0.63	0.30	3.56	0.16	1.50	2.39	1.02	1.25	1.00	0.54	13.15
Montoya	0.00	1.40	0.35	1.85	4.77	1.35	1.33	2.90	1.70	3.07	2.30	0.45	21.47
Mosquero	0.00	0.79			4.00	0.39	1.31	4.00	0.95	5.46	1.14	0.72	
Mountainair	0.00	1.16	0.31	0.92	2.46	0.00	1.08	3.61	0.35	1.97	0.81	0.24	12.91
Mountain Park		0.83		0.05	2.76	0.00	0.84	3.65	0.42	4.01	1.36	0.80	
Nara Visa (near)	0.00	0.43	0.20	0.05	2.98	2.23	2.56	1.50	1.55	3.02	1.00	0.81	16.33
Newman	0.00	0.50	0.00	0.04	1.22	0.00	1.22	3.25	1.00	1.55	1.18	0.20	10.16
Orogrande	0.00	0.95	T.	0.05	1.31	T.	0.41	3.77	0.60	0.70	0.70	0.40	8.89
Palma	0.00	2.07	0.25	0.78	2.93	0.02	0.49	0.35	1.18	3.26	0.65	0.82	12.80
Palo Verde	T.	1.01	0.27	0.34	3.56	0.65	2.12	3.18	1.24	4.95	1.82	0.85	19.99
Pasamonte	0.00	0.07	0.55	0.55	3.98	0.98	2.47	6.04	0.40	3.98	0.64	2.60	22.26
Pastura	0.00	0.93	0.10	0.78	5.26	0.85	2.78	3.91	1.18	3.26	0.35	0.75	20.15
Pearl	0.10	0.32	0.00	0.20	1.80	1.49	1.76	3.50	0.64	2.36	0.46	0.24	12.87
Pecos Ranger Station	0.00	0.94	0.54	2.00	3.98	0.07	1.34	2.32	1.70	0.78	1.20	0.20	16.07
Pennington (near)	0.00	0.44	0.61	0.48	3.65	1.80	1.60	3.12	0.75	7.88	1.19	0.26	21.78
Pinos Altos (near)	0.05	1.84	0.20	0.65	3.30	0.00	8.07	3.58	0.22	3.47	1.07		

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
New Mexico—Continued													
Plainview (near)	0.02	1.95	0.02	0.36	0.84	0.64	3.30	5.43	0.49	2.37			
Pleasant Hill	0.00	0.55	0.00	0.25	3.15	1.67							
Portales	0.00	0.53	T.	0.15	4.23	2.58	3.02	2.63	1.47	2.67	1.04	0.65	18.97
Porter	0.00	1.75	0.05	0.51	3.91	2.96	1.40	3.69	0.44	2.69	1.83	1.07	20.30
Quay	0.00	1.24	T.	1.81	2.94	5.16	0.71	2.08	1.85	2.71	2.33	0.05	20.88
Quemado	T.	0.40	0.15	0.58									
Ramah	0.00	0.57	0.20	0.55	1.07	0.00	2.50	1.38	0.02	1.42	0.88	0.27	8.86
Raton (near)	T.	0.49	0.54	0.73	2.47	2.00	0.77	2.62	0.05	2.80	4.73	0.83	18.03
Red River Canyon	0.35	1.85	2.94	2.65	2.18	0.61	1.63	2.84	0.10	1.23	1.85	0.72	18.95
Red Rock	0.00	1.12	0.00	0.25	1.78	0.00	1.58	3.74	0.26	2.58	0.50	0.48	12.29
Regina	0.11	0.89	0.74	1.15	2.75	0.00	1.32	1.26	0.65	1.57	0.60	0.89	11.93
Rencona (near)	0.00	1.45	0.39	1.53	3.54	0.36	0.99	3.00	0.31	1.47	0.98	0.48	14.50
Richland (near)	0.00	0.54	0.02	0.20	1.56	2.28	2.27	4.54	0.21	4.20	1.28	0.57	17.67
Rodeo	0.00	0.88	0.00	0.00	2.21	T.	1.29	2.02	0.00	3.29	1.09	T.	10.78
Rosa (near)	0.18	0.77	0.75	0.60	0.93	0.03	1.43	0.77	0.13				
Rosedale (near)	0.00	1.53	0.25	0.25	1.27	T.	2.57	3.65	0.14				
Roswell	0.00	0.84	T.	0.72	1.92	1.53	0.95	4.36	0.43	3.34	0.31	0.64	15.04
Roy	0.00	1.00	0.25	0.53	3.60	0.56	2.02	3.02	1.40	4.94	0.70	0.42	18.44
Saint Vrain (near)	0.00	1.01	0.07	0.57	2.54	2.88	2.74	4.35	1.29	4.23	1.84	0.52	22.04
San Antone Ranger Station					2.53	0.40	3.10	2.89	T.				
San Fidel	0.00	0.49	0.24	0.39	2.18	0.00	2.60	3.79	0.15	0.93	0.32	0.01	11.10
San Jon	0.00	0.62	T.	0.35	3.10	1.37	1.29	1.56	1.23	1.66	1.62	0.60	13.40
San Marcial	0.00	1.45	0.00	0.08	1.66	0.00	T.	1.14	0.00	1.46	0.08	0.20	6.07
Santa Fe	0.01	1.22	1.31	1.63	2.80	0.11	0.65	2.60	0.13	1.81	0.58	0.23	13.08
Santa Fe Canyon	0.03	1.83					4.03	4.88	0.16	2.77	1.87		
Santa Rosa	0.00	0.71	0.37	0.98	5.22	1.37	1.34	2.76	1.83	2.95	0.85	0.68	19.06
Selsor Ranch [1]	T.	1.10	1.15	0.66	2.82	0.00	2.49	3.08	0.13	2.39	1.58	1.19	16.59
Servilleta (near)	T.	0.43	0.84	0.17	1.89	0.11	2.90	1.83	0.21	0.91			
Shiprock	T.	1.14	1.09	0.32	1.98	0.05	0.62	0.70	0.30	1.39	0.87	0.23	8.69
Silver City	0.00	1.96	T.	0.84	2.38	0.00	1.48	3.61	0.98	2.49	1.10	0.46	15.30
Skeleton Canyon (near)							2.64	6.10	0.54	4.08	1.64	0.47	
Socorro	0.00	0.63	0.07	0.39	1.35	0.00	0.25	2.19	0.10	1.47	0.40	0.13	6.98
Solano	0.00	1.10	T.	0.82	3.35	0.08	2.55	2.90	1.05	3.20	1.48	0.89	19.42
Springer	0.00	0.76	0.56	0.49	3.13	0.80	2.80	2.05	0.60	0.78	1.21	0.54	13.52
Sunshine Valley	0.09		0.55	1.23	2.98	0.21	2.38	1.30		0.59	0.30		
Tajique (near)	0.00	2.06	0.44	1.80	4.08	0.05	1.08	5.42	0.47	1.72	1.13	0.31	18.56
Taos	T.	0.71	1.10	0.57	2.05	0.13	1.88	0.83	0.09	0.66	1.35	0.49	9.86
Taos Canyon	0.07	1.36	1.65	2.31	3.37	0.51	3.45	3.05	0.35	1.58	1.58	0.54	19.62
Tatum	T.	0.61							1.36	2.50	T.	0.45	
Taylor	0.00	0.94	0.75	0.07	3.16	0.87	1.19	2.07	1.71	1.81	1.42	0.37	13.86
Three Rivers	0.00	1.05	0.00	0.08	1.71	0.15	0.28	2.42	0.83	3.12	0.92	0.22	10.78
Tierra Amarilla	0.18	1.29	2.43	0.70	2.76	0.25	4.58	3.15	0.47	0.10	0.70	1.33	17.94
Tijeras Canyon Ranger Station	T.	1.46	0.42	0.73	2.64		1.07			1.37	0.35	0.20	
Tohatchi	0.30	0.50		0.30	0.75	0.00	0.30		0.10	0.80			
Trementina	0.07	0.96	0.58	1.76	4.03	2.93	1.39	2.10	1.75	3.91	1.54	0.99	22.01
Tres Piedras	0.10	1.01	0.60	0.43	0.78	0.00	3.70	2.63	T.	0.47	0.44	0.12	10.28
Truchas	0.02	1.48	0.68	1.55	1.98	0.43	1.39	2.82	0.09	1.61	0.93	0.52	13.50
Trujillo	0.00			1.40	3.07	0.76	1.55		0.36	5.01	4.20		
Tucumcari (No. 1)	0.00	0.75	0.09	1.66	3.14	1.10	1.92	2.92	0.12	3.08	2.04	0.77	17.59
Tucumcari (No. 2)	0.00	0.74	0.07	1.87	3.21	2.78	1.59	2.92	0.12	2.64	1.99	1.00	18.93
Tularosa	0.00	0.58	0.00	0.00	3.40	0.00	1.10	0.10	0.04	0.60	1.18	T.	7.00
Tyrone	0.00	1.39	T.							2.49	1.08	0.18	
Valley View	0.00	0.50	0.00	0.34	2.53	0.90	2.31	5.29	0.00	5.48	0.27	0.55	18.17
Valmora	0.00	1.19	0.44	1.18	2.68	0.36	2.83	2.17	0.64	1.56	1.02	0.45	14.52
Vance	0.00	0.06	1.05	0.44	4.19	2.83	1.16	1.97	0.80	4.16	0.89	0.79	18.34
Vaughn	0.00	0.64	0.20	1.25	3.48	0.00	2.25	3.27	1.00	2.55	0.24	0.23	15.11
Weed Ranger Station	0.00	2.26	0.07	0.25	3.79	0.00	2.67	2.45	1.65	2.40	1.05	0.20	16.79
White Tail	T.	1.21	0.41	0.25	2.66	T.	2.46	4.92	0.92	2.70	1.12	0.16	16.81
Winsors Ranch	T.	2.03	1.35	2.56	4.16	0.31	3.89	3.83	0.15	3.32	2.54	0.47	24.61
New York													
Addison	0.62	2.11											
Albany	1.78	2.55	2.26	3.29	2.50	8.22	3.99	4.12	2.47	0.38	1.59	0.40	33.55
Alfred	1.11	1.85	2.05	4.22	1.41	5.47	2.02	2.80	1.37	3.84	2.84	0.86	29.84
Allegany State Park	2.39	2.50	2.87	3.82	1.77	7.75	5.99	2.88	2.07	6.56	4.78	1.44	44.82
Andover	1.01	2.21	1.84	4.38	1.40	5.79	3.94	2.42	1.16	2.74	2.77	0.88	30.54
Angelica	1.55	1.87	1.98	4.22	1.82	5.25	2.90	3.94	1.30	3.49	4.06	1.02	33.40
Auburn	1.44	2.19	2.22	3.27	2.64	2.76	4.16	3.16	1.12	3.84	3.32	0.48	30.60
Avon	0.55	1.48	1.23	1.32	1.45	6.96	3.57	0.83	0.40	2.50	3.04	0.63	23.96
Bainbridge	2.14	3.11	2.31	2.62	2.09	8.69	4.91	5.79	1.60	2.35	2.10	1.30	39.01
Ballston Lake	2.23	1.99	2.10	3.43	2.10	8.48	3.66	6.00	1.17	1.27	1.75	0.68	34.86
Bedford Hills			1.87	4.46	2.31	8.39	7.39	6.35	4.53	0.60	2.25	1.45	
Binghamton	1.48	2.68	2.79	4.73	2.56	9.51	3.73	2.32	0.79	1.25	2.11	0.16	34.11
Boonville	3.50	3.43	3.21	3.74	2.35	4.67	3.92	4.27	3.78	4.13	2.85	3.32	43.17
Boyds Corners	2.74	4.11	3.10	5.01	2.45	8.05	8.70	8.88	2.71	1.19	3.00	1.15	51.09
Brockport	2.38	2.24	2.62	2.92	1.48	6.89	5.35	1.55	1.54	2.92	4.26	0.83	34.98
Brooklyn (Eagle Office)	1.55	4.84	2.75	4.56	1.92	6.12	7.63	5.44	3.43	1.14	2.56	1.02	42.96
Buffalo	3.14	2.00	1.76	2.10	1.13	9.67	2.74	1.84	3.07	2.39	2.67	1.87	34.38
Cairo	1.76	3.15	2.14	5.45	3.24	7.96	5.15	4.37	1.95	0.64	0.69	0.89	37.39
Canton	2.67	2.45	3.00	2.80	1.51	4.21	3.30	3.23	2.36	3.89	3.83	1.22	34.47
Carmel	2.61	3.75	2.99	4.67	2.19	7.26	7.59	10.14	2.78	1.05	2.62	1.07	48.72
Chasm Falls	3.41	2.12	3.88	2.88	3.89	2.93	4.30	2.96	3.44	4.24	4.43	1.33	39.81
Chazy	1.15	0.92	1.70	0.58	1.48	5.35	4.28	3.93	1.47	2.88	2.62	0.26	26.62
Coney Island	1.53	4.73	2.71	4.79	1.82	5.79	7.24	7.60	4.49	1.23	2.11	1.04	45.08
Conklingville	2.29	2.33	2.52	4.93	3.63	5.42	5.21	3.20	2.05	3.40	3.63	0.69	39.30
Cooperstown					2.62	6.80	4.55	3.24		3.05			
Copenhagen	5.04	2.41	5.05	2.52	2.17	4.90	3.76	5.66					
Cortland	0.75	2.52	2.18	4.54	2.53	6.38	4.46	3.80	1.27	3.85	3.10	0.33	35.71
Cutchogue	1.80	4.18	3.43	5.43	1.84	5.68	5.42	3.43	4.86	4.08	2.55	3.36	46.06
Dannemora	2.82	1.75	3.56	3.53	2.22	4.17	5.56	2.43	2.31	3.09	3.99	1.51	36.94
Dansville	0.86	1.26	1.41	3.46	1.50	5.66	2.54	2.97	1.74	1.43	3.47	0.30	26.60
Delhi	1.31	2.46	1.99	4.00	3.95	10.17	5.27	6.01	1.46	1.78	1.77	1.43	41.60
Dolgeville	3.42	2.16	2.74	3.45	2.88	6.42	3.99	3.86	1.68	3.20	2.10	1.46	37.36
Eagle Falls	4.32	2.44	3.79	2.64	2.70	4.11	3.19	5.89	3.35	4.18	3.91	2.20	42.72
Elmira	1.29	1.57	1.76	3.88	1.84	5.56	4.01	6.31	1.42	1.90	2.35	0.04	31.93
Farmingdale	1.78	4.93	2.98	5.96	2.40	6.98	5.97	4.12	4.48	1.76	2.25	2.24	44.95
Flushing	1.48	4.92	3.08	4.65	2.48	6.49	7.40	5.45	4.06	1.05	2.75	1.28	45.15

[1] Formerly Senorito (near).

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
New York—Continued													
Fredonia	1.84	2.33	2.04	2.04	1.01	9.05	3.29	2.51	3.46	5.84	3.74	1.44	36.59
Gabriels	3.10	2.25	2.76	0.87		1.83	3.02	3.90	3.86	4.22	0.99	0.86	
Geneva	1.79	2.17	3.08	3.24	1.44	6.09	3.10	2.40	1.86	2.53	4.50	0.44	33.54
Glens Falls	2.98	2.43			3.03	5.55	3.84	2.37	0.66	2.43	1.26	1.72	
Gloversville	3.09	2.21	4.74	3.96	3.95	6.99	6.04	5.02	1.88	2.44	2.55	1.25	44.12
Greenfield Center	2.58	2.30	2.08	3.50	4.97	6.45	4.25	3.90	1.44	3.05	2.30	0.64	37.46
Harkness	1.64	1.08	1.74	2.29	3.63	4.37	1.71	2.54	2.48	2.09	2.23	0.27	26.07
Haskinville	0.78	1.48	3.04	3.00	1.80	5.12	2.37	4.91	1.39	2.57	4.10	0.61	31.17
Hemlock	0.81	1.63	2.15	3.88	1.89	8.72	2.57	3.12	2.04	2.31	3.09	0.63	32.84
High Falls	2.74	3.30	2.94	7.84	2.98	9.13	7.98	10.65	2.39	0.32	2.33	0.41	53.01
High Market	5.78	5.00	5.06	3.56	2.75	6.49	5.17	4.70	5.27	5.67	4.94	3.95	58.34
Hoffmeister	4.62	3.25	5.10	4.01	3.87	6.02	6.30	7.53	3.69	4.30	3.49	3.86	56.04
Honk Falls	3.36	3.58	2.90	4.58	4.24	9.87	4.98	7.93	2.78	0.35	1.85	0.32	46.74
Hudson	1.97	1.67	2.36	2.91	1.69	7.89	4.36	6.75	1.80	0.56	0.73	0.46	33.15
Indian Lake	3.13	2.34	3.45	3.41	1.86	4.61	3.59	2.45	2.98	3.24	3.48	1.92	36.46
Indian River	3.56	2.92	3.36	2.88	2.54	4.39	2.79	5.47	3.54	3.11	4.04	2.49	41.09
Ithaca	0.98	2.05	2.33	3.64	2.90	5.86	2.84	3.04	1.22	2.59	3.19	0.13	30.77
Jamestown	3.10	2.98	2.83	3.80	1.34	11.00	4.60	2.36	2.13	5.21	4.79	1.64	45.78
Jeffersonville	2.15	2.98	2.31	5.45	5.54	8.28	5.43	7.53	2.09	0.91	1.57	0.81	45.05
Lake Placid Club	3.55	1.90	3.26	1.20	2.14	2.64	3.78	4.01	2.40	2.45	2.40	1.45	31.18
Lauterbrunnen	1.48	0.88	1.02	1.08	1.12	5.68	0.48	3.78	0.84	2.53	2.55	1.44	22.88
Little Falls (No. 1)	2.78	1.63	2.30	3.08	2.78	6.12	3.88	4.25	1.39	2.96	2.31	1.00	34.48
Little Falls (No. 2)	3.16	2.11	3.10	3.96	2.48	5.89	3.86	4.04	0.98	3.20	1.81	1.45	36.04
Lockport	1.94	2.15	1.61	2.40	0.94	9.83	5.26	1.11	3.08	3.04	3.81	1.70	36.97
Lowville	4.10	3.41	4.46	2.92	1.05	4.36	3.15	4.57	2.67	3.09	2.90	2.31	38.99
Lyons Falls	4.42	4.38	3.27	3.10		6.02	4.55	4.46		3.61	3.69		
McKeever	3.64	4.62	4.78	3.73	3.81	3.70	5.34	4.80	4.08	4.94	3.66	3.04	50.14
Mechanicville	1.51	1.50	1.97	3.14	2.66	6.11	5.88	5.77	2.38	1.14	1.15	1.33	34.54
Mohonk Lake	2.13	3.16	1.34	5.31	2.57	8.73	8.45	9.72	2.36	0.12	2.53	0.60	47.02
Moira	2.50	1.08	5.40	2.43	3.57	3.71	3.79	4.70	2.45	2.57	3.97	0.49	36.57
Morrisville	1.89	2.34	4.32	2.74	1.99	4.85	3.67	4.40	1.51	3.29	3.48	1.63	26.12
Mount Hope	2.23	3.88	3.40	5.42		8.33	7.03		3.92	1.40	2.01	2.23	
Mount McGregor	1.84	2.75	3.78	3.68	2.86	5.87	3.95	4.36	1.36	2.50	2.41	0.92	36.28
Mount Vernon	1.80	4.81	3.24	4.47	2.05	7.34	8.46	4.43	4.41	1.76	2.59	1.34	46.70
New Berlin	0.77	1.61	3.09			6.02							
New York Weather Bureau	1.41	4.35	2.54	4.71	1.98	6.12	7.72	4.26	3.36	1.27	2.16	0.85	40.73
New York (Central Park)	1.87	4.84	2.83	4.83	2.07	7.04	8.89	4.57	3.67	1.57	2.46	0.98	45.62
North Lake	4.54	4.56	5.95	4.24	2.97	4.43	5.19	6.19	3.59	5.38	4.62	3.71	55.37
Norwich	2.63	2.56	3.23	4.94	2.53	6.15	5.83	3.80	1.10	2.56	2.33	1.51	39.17
Ogdensburg	1.35	1.28	1.84	1.79	2.17	3.08	5.12	4.73	1.45	4.10	2.59		
Olean	2.37	2.68	2.28	3.59	1.67	6.19	2.93	3.32	1.42	3.39	3.21	1.62	34.67
Oneonta	1.36	1.70	2.41	3.13	3.21	6.68	5.82	4.45	1.33	1.84	1.93	0.47	34.33
Oswego	2.17	2.78	2.52	2.95	2.39	3.67	3.62	2.66	2.68	3.50	3.76	1.76	34.46
Otter Creek	2.24	2.89	3.59	2.37	2.23	4.17	3.06	4.96	2.96	3.50	2.54		
Philadelphia	3.45	2.35	3.14	3.06	1.98	4.34	2.47	6.01	3.15	3.87	4.38	2.44	40.64
Penn Yan	0.64	1.20	2.23	3.52	1.89	5.29	3.25	4.97	0.88	2.27	3.30	1.02	30.46
Port Jervis	2.77	4.50	3.73	5.61	2.67	7.93	6.47	6.14	2.78	2.04		0.23	
Poughkeepsie				5.17	3.54	7.83	7.19	9.05	1.84	0.61	2.37	0.51	
Raquette Lake	3.93	3.41	4.26	2.63	3.31	5.04	5.49	6.09	4.44	4.01	3.88	2.66	49.15
Rifton	2.34	3.17	2.57	5.95	2.66	8.11	7.50	8.42	2.77	0.07	2.65	0.48	46.60
Rochester	2.03	2.23	3.55	2.80	2.56	4.63	3.72	3.25	0.75	2.72	4.57	0.78	33.39
Roslyn	0.94	4.80	2.97	5.00	2.87	6.91	6.18	5.82	5.34	1.60	2.60	1.41	46.44
Roxbury	2.43	2.40	2.46	4.30	3.54	8.96	5.74	4.76	2.54	0.74			
Salisbury	3.31	2.55	3.61	3.74	2.83	7.73	5.85	4.18	1.89	3.16	2.92	1.42	43.19
Scarsdale	1.97	4.27	2.85	3.77	1.80	9.04	6.65	4.25	4.61	0.34	2.53	1.33	43.41
Setauket	2.18	4.94	3.09	3.68	1.87	6.01	5.87	5.33	3.50	1.92	2.68	2.05	43.12
Sharon Springs (No. 1)	2.71	2.40	4.20	3.21	5.18	6.12	4.40	2.96		2.16	2.58	1.23	
Sharon Springs (No. 2)	3.05	3.87	4.18	3.94	3.78	5.84	4.63	3.33		1.73	1.75	1.66	
Sherburne	1.50	2.38	2.64	2.52	1.99	5.79	3.13			2.41	2.27	1.49	
Shortsville	1.22	0.98	1.10	2.44	1.38	5.05	4.76	2.02	1.50	2.26	3.66	0.32	26.69
Skaneateles	1.89	2.20	2.75	3.18	2.28	4.22	6.64	4.43	3.16	4.78	3.72	1.35	40.60
Sodus	2.02	2.25	2.87	2.21	1.48	5.41	3.90	2.27	1.25	3.19	3.76	0.84	31.45
South Colton	2.27	2.41	4.32	3.36	2.05	3.73	5.79	4.07	3.03	3.83	3.91	0.84	39.61
South Edwards	3.37	3.00	4.90	3.80	2.21	4.30	2.61	3.79	3.71	4.22	4.82	2.66	43.39
Southeast Reservoir	2.23	3.73	3.34	4.26	2.66	7.50	7.79	7.47	3.36	1.03	2.71	1.06	47.14
Spier Falls	2.34	1.84	2.43	4.20	3.20	6.01	3.10	3.46	1.02	3.05	1.55	1.24	33.44
Stillwater Reservoir	6.48	3.42	5.63	3.83	3.26	5.08	3.83	5.27	3.53	5.40	4.83	3.19	53.75
Syracuse	1.25	1.88	3.84	3.26	1.39	3.96	6.14	4.98	2.28	3.66	3.88	0.91	37.43
Taberg	4.01	2.47	4.08	3.65	2.01	6.05	3.21	3.57	4.10	5.94	3.94	2.80	45.83
Trenton Falls							4.18	3.34	2.56	4.84	3.36	2.78	
Tribes Hill	1.60	1.65	2.50	3.29	2.84	5.81	4.22	5.07	1.56	2.13	2.25	0.38	33.30
Troy	1.73	1.97	3.95	3.24	1.85	6.97	4.81	3.08	2.49	0.90	1.85	0.56	32.50
Tupper Lake	4.50	2.12	4.24	2.85	2.00	3.13	3.30		3.53	3.03	3.35	1.07	
Utica	3.40	1.99	3.48	3.17	2.71	4.90	5.82	4.50	2.21	3.30	2.11	1.26	38.85
Voorheesville	2.07	3.01	2.51	3.76	2.24	6.56	4.85	3.74	1.12	0.81	1.14	1.08	32.99
Walden	2.09	2.56	2.44	5.80	2.38	7.67	7.61	9.41	3.70	0.53	2.81	0.71	47.71
Wanakena	4.38	2.42	4.51	4.02	2.19	4.65	2.02	7.01	3.57	4.12	3.62	2.92	45.43
Wappingers Falls	2.13	3.24	3.14	4.79	2.32	4.77	7.09	8.21	1.72	1.50	2.01	1.09	42.01
Warwick	1.37	3.05	2.30	3.92	1.58	7.48	8.23	6.62	1.41	0.78	1.82	0.83	39.39
Watertown	4.35	2.74	3.67	3.32	2.11	4.21	2.08	4.61	3.99	3.94	4.60	2.50	42.12
West Berne	0.75	3.16	2.42	4.15	2.76	7.45	4.24	4.78	1.06	0.36	1.56	1.05	33.62
Westerleigh	1.73	4.95	2.64	5.10	2.16	7.15	7.56	7.64	4.93	1.63	2.47	1.16	49.12
West Point	1.91	4.00	1.77	4.15	1.52	6.52	7.30	7.24	2.88	1.43	2.41	1.00	42.13
Windecker	4.90	3.71	5.07	3.22	2.47	4.17	3.16	4.68	4.04	4.60	2.36	3.11	45.58
North Carolina													
Albemarle	1.34	3.53	3.34	5.69	5.17	5.05	4.51	7.65	13.31	2.18	0.64	1.29	53.70
Altapass						4.80	6.67	12.87	10.58	6.48			
Andrews	3.88	3.14									3.74	1.91	
Asheboro	1.45	3.12	2.72	6.25	4.68	5.04	3.41	6.98	14.16	1.41	0.61	1.01	50.84
Asheville	1.15	0.96	3.95	4.53	5.53	4.45	3.78	9.08	4.35	3.77	0.89	0.55	43.49
Bahama						6.55	1.85	7.45	10.90	0.91	1.05	2.19	
Banners Elk	1.40	1.52	4.62	3.68	8.52	7.02	2.11	11.79	7.48	5.13	1.52	1.87	56.66
Beaufort	0.84	8.27	2.28	7.00	2.14	4.16	5.77	5.74	10.78	1.11	6.35	7.79	62.23
Belhaven	0.40	5.30	3.20	4.50	2.75	2.50	6.95	8.75	14.50	1.90	3.40	6.10	60.25
Brevard	1.35	3.13	2.38	6.98	4.33	5.15		15.41	5.83	5.21		1.30	
Brewers	2.03	1.90	3.71	5.15									

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
North Carolina—Continued													
Bryson City	2.97	2.04	6.68	4.20	5.39	7.17	3.27	5.09	6.42	3.92	1.29	2.09	50.53
Caroleen	1.98	3.85	4.15	4.60	3.83	7.59	4.90	18.43	7.32	0.92	1.04	1.00	59.61
Chadbourn	0.73	6.72	2.83	6.35	4.91	8.06	13.57	7.65	11.79	1.39	0.88	2.60	62.48
Chapel Hill	1.65	3.11	2.92	7.06	3.77	5.39	3.92	8.67	12.15	2.64	0.57	1.72	53.57
Charlotte	1.77	3.57	3.53	5.87	4.05	4.49	1.76	13.14	11.13	1.13	0.52	0.88	51.84
Cullowhee	1.31	1.59	7.27	3.33	5.34	5.18	4.95	6.51	6.48	3.21	1.20	0.82	47.19
Deep Creek	1.06	1.78	2.92	6.54	3.73	3.38	3.07	6.41	8.66	0.72	0.50	0.83	39.60
Durham	1.87	2.57	2.42	5.76	2.30	3.43	5.93	5.26	7.63	1.10	0.33	1.14	39.74
Edenton	1.23	3.96	2.17	5.25	3.49	9.70	6.00	3.20	14.80	1.50	2.57	5.10	58.97
Edgemont	2.27	2.24	4.16	4.93	7.80	4.56	3.40	13.01	6.57	4.40	1.14	1.43	55.91
Elizabeth City	1.50	4.55	1.80	5.65	3.25	8.00	6.70	1.40	13.35	1.30	2.15	5.10	54.75
Elizabethtown	0.53	5.63	2.10	5.29	5.99	6.40	8.76	3.24	8.97	1.32	0.95	2.86	52.04
Elkin	1.89	2.48	4.09	4.45	4.71	4.51	1.63	10.13	8.90	3.01	0.75	1.14	47.69
Enfield	1.45	4.16	3.57	5.43	3.67	6.42	3.47	4.01	15.19	1.10	1.70	3.06	53.23
Fayetteville	1.03	5.44	3.22	6.59	4.23	6.13	5.78	9.51	12.64	1.86	1.33	2.04	59.80
Franklin	2.73	1.80	7.82	4.51	6.61	5.81	2.75	6.37	5.20	3.22	0.89	0.64	48.45
Goldsboro	0.73	3.53	2.38	6.28	4.56	3.98	6.78	4.00	14.23	3.00	2.08	3.70	55.25
Graham	2.40	2.90	2.85	6.38	3.02	3.81	1.79	7.85	10.24	0.70	0.42	0.92	43.28
Greensboro	2.21	3.38	3.25	6.02	3.64	5.41	3.97	7.00	10.74	1.24	0.57	1.06	48.49
Greenville	1.55	5.54	2.99	8.69	5.95	6.72	4.59	2.81	12.90	1.86	1.92	5.40	60.92
Hatteras	0.80	6.66	2.26	9.25	2.34	1.46	2.17	1.13	17.55	1.31	4.79	10.09	59.81
Henderson	1.79	3.05	2.94	6.84	2.60	6.38	3.15	-------	-------	0.76	0.82	1.02	-------
Hendersonville	2.00	3.80	5.65	6.34	5.98	7.05	9.38	12.07	7.08	6.38	1.08	1.13	67.94
Hickory	1.90	3.67	4.17	4.87	5.96	3.06	3.65	14.04	7.58	2.85	0.81	1.53	54.09
Highlands	3.04	3.92	7.26	7.04	6.46	9.53	10.50	13.15	6.51	10.67	3.46	1.77	83.31
High Point	1.43	3.32	3.96	5.82	6.44	4.26	5.47	9.57	8.63	1.05	0.70	0.72	51.37
Hot Springs	2.75	1.14	4.98	4.10	6.96	8.65	5.09	4.30	5.52	3.39	0.35	1.55	49.08
Hot Springs (No. 2)	2.50	1.06	4.55	3.52	6.65	8.00	4.27	4.86	5.75	3.21	1.02	1.51	46.90
Jefferson	-------	-------	-------	-------	-------	-------	-------	-------	8.90	3.49	1.25	1.13	-------
Kenansville	1.46	6.85	3.03	7.33	4.68	4.48	5.59	6.43	14.85	2.77	1.99	3.93	66.39
Kinston	0.72	5.22	3.05	5.98	2.57	4.61	6.61	4.79	14.88	1.75	2.03	5.37	57.58
Lake Michie	1.40	2.94	2.90	6.80	2.87	4.69	2.54	5.14	10.16	0.81	0.54	1.18	41.97
Lenoir	1.50	2.67	4.23	4.04	5.25	5.92	4.17	14.54	6.87	4.11	0.84	1.25	55.39
Linville Falls	2.12	1.77	3.57	5.43	8.19	5.01	5.91	20.95	9.00	6.28	2.29	1.61	72.13
Louisburg	0.80	2.79	3.21	5.08	2.50	4.26	5.38	4.36	11.86	1.46	0.82	1.42	43.94
Lumberton	0.86	5.71	3.68	6.58	5.60	2.58	6.60	4.11	15.11	3.01	1.68	2.95	58.47
McHenry's Bridge	1.42	3.69	4.29	6.33	5.73	6.42	2.52	11.06	11.36	1.21	0.25	0.85	55.13
Mangum's Store	1.51	3.08	3.06	6.86	3.33	5.67	3.90	5.64	10.22	0.90	0.43	0.97	45.57
Manteo	0.22	5.70	2.74	6.96	2.28	4.00	1.98	2.88	10.18	0.84	2.67	9.40	49.85
Marion	1.57	3.04	4.25	4.02	6.57	3.75	6.44	9.37	9.11	5.61	1.12	1.14	55.99
Marshall	1.97	1.08	3.65	3.35	5.15	6.29	2.57	4.28	6.05	3.40	1.20	0.35	39.34
Moncure	1.64	3.26	2.79	6.24	4.93	5.21	5.15	11.57	16.00	1.70	0.50	1.34	60.33
Monroe	0.73	4.18	2.68	7.80	3.80	6.33	2.48	10.58	11.74	2.14	0.61	1.29	54.36
Montreat	1.84	2.30	4.52	6.79	5.70	6.20	5.43	13.20	9.27	5.95	1.26	1.17	63.63
Morganton	1.95	3.35	4.52	4.62	6.10	3.93	3.39	10.94	8.38	3.18	0.68	1.15	52.19
Mount Airy	1.43	2.56	3.76	4.90	5.22	4.58	1.35	9.82	9.65	3.18	1.24	0.95	48.64
Mount Holly	1.72	4.04	3.89	6.66	6.44	5.10	1.82	17.80	15.56	0.47	0.33	0.75	64.58
Mount Mitchell	-------	8.44	5.78	10.58	9.13	5.66	4.37	14.39	7.50	5.24	2.27	-------	-------
Morley	-------	-------	-------	-------	-------	-------	-------	-------	9.60	4.90	2.05	1.00	-------
Murphy	3.15	2.10	7.69	4.90	6.84	7.92	4.56	7.22	5.24	2.71	1.98	1.84	56.15
Nashville	1.24	4.13	3.16	5.78	4.51	6.78	4.43	6.16	14.41	2.08	1.69	2.69	57.06
Newbern	1.18	7.25	1.97	6.43	2.86	5.08	4.83	3.44	15.56	2.25	3.59	5.56	60.00
New Holland	0.88	6.13	2.46	7.44	3.23	4.52	9.68	5.15	12.91	1.85	2.74	7.41	64.40
Neuse	1.12	3.16	2.96	5.78	4.10	4.62	3.44	5.77	11.27	1.67	0.80	1.63	46.32
North Wilkesboro	2.00	2.45	4.47	4.65	5.88	5.62	7.68	10.78	9.77	2.62	1.17	1.37	58.46
Oxford	1.31	3.03	2.95	6.93	2.50	4.46	3.03	5.46	9.75	0.61	0.62	0.93	41.58
Parker	5.06	2.46	4.15	5.66	5.40	8.01	2.18	11.17	7.95	3.36	2.42	2.10	59.92
Pinehurst	0.78	4.11	2.40	5.56	4.54	7.17	3.02	14.72	19.41	0.73	0.42	1.65	64.51
Raleigh (Weather Bureau)	0.86	3.23	2.58	5.50	4.24	6.06	2.31	10.41	11.92	1.44	0.54	1.48	50.57
Raleigh (No. 2)	0.83	2.95	3.00	6.57	4.15	7.30	2.21	14.36	11.86	1.31	0.29	1.68	56.51
Randleman	1.54	2.97	2.99	6.82	6.67	4.00	3.83	7.58	11.68	1.89	0.36	1.38	51.71
Red Springs	0.93	5.41	2.80	7.60	3.37	4.36	2.31	7.30	18.95	1.89	0.41	2.73	53.06
Reidsville	1.87	2.41	3.28	4.93	1.69	5.28	3.72	8.20	9.38	1.06	0.52	0.95	43.29
Rock House (No. 1)	3.77	3.93	7.87	7.55	6.84	10.53	7.58	20.67	6.00	8.98	3.53	2.21	89.46
Rock House (No. 2)	5.83	4.15	7.62	7.17	6.67	10.70	7.63	17.38	5.50	10.82	3.61	1.90	88.98
Rockingham	1.44	4.47	3.21	5.83	4.84	5.22	3.34	7.78	14.49	1.58	0.25	1.65	54.10
Rocky Mount (No. 1)	1.13	3.55	2.94	5.35	5.10	5.64	5.95	6.09	13.39	2.80	1.57	3.54	57.05
Rocky Mount (No. 2)	1.25	4.09	2.37	5.33	4.09	5.65	3.86	7.01	12.28	1.24	1.51	4.37	53.05
Rougemont	1.63	2.60	3.16	5.70	1.84	4.78	3.38	6.00	7.98	1.18	0.54	1.02	39.71
Roxboro	2.45	1.95	3.00	6.85	4.10	3.64	2.33	6.98	9.40	0.32	0.76	0.98	42.76
Salisbury	2.21	4.28	4.08	7.01	6.96	8.46	5.15	11.04	14.44	2.13	0.57	1.33	67.66
Sanatorium	0.91	4.37	2.87	5.39	4.40	6.84	3.70	10.16	13.82	1.56	0.80	1.95	56.77
Scotland Neck	0.78	3.81	2.73	5.77	4.07	5.70	4.31	3.05	9.81	1.28	1.76	5.09	48.16
Settle	2.39	3.13	3.59	5.34	9.00	5.46	2.65	16.12	9.47	1.77	0.97	1.57	61.46
Shelby	2.39	3.96	4.50	5.96	6.05	5.56	4.44	15.76	7.00	1.24	0.70	0.72	58.28
Sloan	1.32	6.36	1.50	7.18	6.77	4.14	8.20	7.61	12.92	5.88	2.69	3.38	67.95
Smithfield	1.13	4.13	2.84	5.61	5.19	6.05	4.47	7.44	15.80	3.34	1.42	1.90	59.32
Southern Pines	1.55	5.26	3.28	5.75	7.36	9.42	4.26	13.05	19.50	1.10	1.01	1.56	73.10
Southport	0.88	8.39	1.25	6.70	2.84	3.69	7.38	9.89	10.66	3.29	3.20	3.79	61.96
Star	1.52	3.20	1.59	5.60	5.32	4.36	4.01	16.60	-------	2.00	0.50	0.90	-------
Statesville	1.82	4.05	3.84	5.21	5.44	5.94	2.85	12.62	9.39	1.04	0.85	1.20	54.25
Stonewall	1.25	4.79	2.53	5.68	2.27	4.50	6.58	2.61	15.20	1.06	3.02	5.35	54.84
Swansboro	0.95	6.95	2.06	9.15	2.42	4.20	3.43	2.44	11.55	1.64	3.60	4.59	52.98
Tarboro	0.96	3.86	2.69	5.73	4.97	5.77	4.59	4.70	11.18	1.09	1.96	5.11	52.61
Tryon	2.46	4.01	6.21	5.70	6.07	9.90	6.56	19.20	7.46	3.45	1.43	1.82	74.27
Waynesville	2.92	1.03	-------	3.43	7.59	6.67	7.83	-------	-------	-------	-------	-------	-------
Weldon	1.30	3.29	3.06	5.82	2.39	4.68	4.32	3.99	13.07	0.62	1.57	1.86	48.37
Wesona	0.86	4.64	2.81	4.88	3.58	5.04	8.28	2.79	14.41	1.07	3.45	4.84	51.65
Willard	0.86	5.87	2.21	6.37	4.88	3.58	10.29	6.89	9.02	5.66	2.02	4.32	61.97
Wilmington	1.07	6.14	1.84	7.19	3.18	3.07	9.57	7.11	13.41	1.21	2.74	3.58	60.11
Winston-Salem	2.19	3.17	2.87	4.61	5.08	4.93	5.18	8.72	8.97	0.84	0.82	0.95	48.33

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
North Dakota													
Alpha	0.03	0.08	0.70	0.83	1.08	5.26	1.77	1.48	0.70	1.00	0.15	0.08	13.16
Amenia	T.	T.	0.70	1.52	0.72	5.41	5.33	5.45	3.21	0.90	0.86	0.38	24.48
Amidon								2.82					
Arnegard	0.10	0.15	0.05	0.60	0.52	4.53	4.92	2.99	0.50	0.35	T.	0.35	15.06
Ashley	0.24	0.10	0.30	1.56	0.22	4.77	8.15	3.32	2.85	0.96	1.35	0.16	23.98
Beach	0.03	0.13	0.26	0.72	0.67	4.33	2.41	3.33	0.70	0.96	T.	0.10	13.64
Berthold Agency	0.03	0.11	0.19	0.23	1.50	2.65	12.22	5.41	0.08	0.40	T.	0.10	22.92
Bismarck	0.23	0.11	0.32	1.15	0.58	4.81	5.06	2.11	1.15	0.19	0.07	0.24	16.02
Bottineau	0.17	T.	0.63	0.30	1.23	7.66	5.26	2.19	0.25	0.10	T.	0.23	18.02
Bowman	0.15	0.10	0.60	0.95	0.88	5.35	4.08	1.58	0.65	1.05	0.65	0.05	16.09
Cando	1.04	T.	2.60	1.18	1.98	5.58	3.98	3.06	0.19	0.00	0.06	0.21	19.88
Carson	0.16	0.10	0.15	0.97	0.61	3.96	3.82	2.61	1.89	0.58	0.25	0.16	15.26
Cavalier					1.30	5.77	3.30	2.00	0.19	0.55	1.34	0.52	
Cooperstown	0.50	0.00	1.40	1.45	2.71	4.74	2.98	3.44	1.41	0.00	1.63	0.95	21.21
Corinth								1.24	0.32	0.13	0.07	0.15	
Crosby	0.05	0.05	0.18	0.90	0.60	2.77	5.13	0.88	0.70	0.13	0.00	0.32	11.71
Devils Lake	0.10	0.01	0.67	1.08	2.44	5.17	3.27	3.34	0.27	0.06	1.73	0.31	18.45
Dickinson	0.45	0.27	0.37	1.15	1.22	3.39	3.52	3.38	0.50	0.58	0.08	0.39	15.30
Dogden Butte	0.11	T.	0.30	0.99	3.33	7.25	7.85	3.76	0.18	0.21	T.	0.30	24.24
Dunn Center	0.20	0.08	0.67	0.91	1.33	3.59	6.34	2.72	0.43	0.44	T.	0.08	16.79
Dunseith	0.32	0.25	0.72	0.34	1.95	5.09	5.27	3.34	0.33	0.07	0.02	0.23	17.93
Eckman	0.13	0.00	0.38	0.36	1.72	3.74	4.91	3.59	0.50	0.10	T.	0.14	15.57
Edgeley	0.30	0.05	0.17	1.17	0.67	7.33	6.20	9.17	2.79	0.73	1.50	0.30	30.38
Ellendale	0.26	0.23	0.33	1.08	0.67	5.63	4.92	3.35	2.35	1.42	1.01	0.39	21.64
Energy	0.25	0.25	0.30	1.01	1.50	4.75	6.43	5.56	0.48	T.	0.05	0.14	20.72
Epping	0.20	0.20	0.10	0.47	0.61	2.94	6.98	2.01	0.28	0.15	T.	1.07	15.01
Fairfield								4.77	0.10	0.30	0.00	0.20	
Fessenden	0.21	0.08	1.06	1.19	2.43	7.66	3.03	2.42	0.63	0.00	0.48	0.38	19.57
Forman	0.02	0.26	0.38	1.64	0.86	4.14	3.28	7.21	1.24	1.62	0.74	0.49	21.88
Fort Yates	0.01	0.00	0.00	0.55	T.	5.49	2.95	3.51	2.37	0.72	0.85	0.20	16.65
Foxholm	0.26	0.04	0.78	0.63	1.85	2.97	6.68	3.25	0.25	0.24	0.05	0.33	17.33
Fryburg	0.13	0.09	0.19	1.21	1.03	4.72	2.22	3.99	0.64	0.50	0.05	0.17	14.94
Fullerton	0.46	0.15	0.20	1.70	0.60	6.65	5.66	4.68	1.82	1.55	1.49	0.76	25.72
Garrison	0.08	0.00	0.06	0.75	1.86	5.57	6.36	3.80	0.16	T.	T.	0.26	18.90
Grafton	0.57	T.	0.50	0.68	1.71	5.17	2.88	3.06	0.25	0.20	1.20	0.49	16.71
Grand Forks	0.29	0.03	1.60	0.59	0.80	5.08	4.68	3.05	0.88	0.53	1.13	0.47	19.13
Granville	0.12	T.	0.37	0.47	1.25	4.68	5.12	2.93	0.10	0.10	T.	0.10	15.24
Hannah	0.53	0.16	0.60	0.65	1.56	5.10	4.13	0.83	0.26	0.14	0.32	0.43	14.71
Hansboro	0.10	0.00	0.98	0.69	1.94	3.55	3.34	1.95	0.28	0.30	0.10	0.16	13.29
Hettinger	0.14	0.08	0.37	0.87	1.25	6.27	3.91	1.58	4.35	0.33	0.22	T.	19.37
Hillsboro	0.13	0.00	1.05	0.75	0.41	4.47	4.35	3.74				0.75	
Howard	0.20	T.	0.05	0.70	0.49	3.26	4.24	1.06	T.	T.	T.	0.70	10.70
Jamestown	0.21	0.41	0.36	0.57	0.33	4.62	3.84	2.16	1.56	0.01	1.36	0.27	15.43
Lamoine	0.56	0.24	1.00	1.91	0.58	6.09	6.27	1.86	0.84	T.	.T	0.20	19.55
Langdon	T.	0.04	1.00	1.08	0.96	5.24	3.20	1.90	0.25	0.32	1.28	0.80	16.07
Larimore	0.40	0.06	2.50	0.61	0.82	8.40	5.38	3.44	0.78	0.03	1.60	0.54	24.54
Linton	0.30	T.	T.	2.05	0.62	1.75	3.89	3.05	1.59	0.36	2.48	0.02	16.11
Lisbon	0.00	T.	T.	0.62	0.55	3.37	5.84	3.29	1.20	1.40	0.77	0.00	17.04
McClusky	0.10	0.00	0.68	1.49	0.65	6.25	4.81	2.57	0.83	T.	T.	0.30	17.68
McKinney	0.05	T.	0.37	0.50	0.74	3.29	6.99	3.14	0.96	0.25	0.00	0.08	16.37
McLeod	0.09	0.51	0.15	0.43	0.98	2.37	4.66	4.00	1.77	1.77	0.56	0.13	17.42
Maddock	0.06	T.	0.34	0.97	1.07	6.32	5.43	4.12	0.31	0.08	0.16	0.17	19.06
Mandan	0.20	0.07	0.23	0.99	0.55	4.88	6.29	2.24	0.89	0.19	0.06	0.17	16.76
Manfred	0.27	0.24	1.37	1.08	1.56	7.77	3.19	3.12	0.38	0.05	0.10	0.44	19.57
Marmarth	0.20	0.29	0.24								T.	0.03	
Mary									0.50	0.71	0.10	0.30	
Mayville	0.15	T.	1.05	0.50	0.77	3.01	2.65	3.31	2.05	0.54	1.07	0.40	15.50
Melville	0.08	0.00	0.63	0.54	2.40	7.67	3.10	0.83	1.10	0.00	0.60	0.00	16.95
Metigoshe	0.14	0.00	0.50	0.36	1.30	8.14	5.37	3.34	0.22	0.00	0.00	0.35	19.73
Michigan											1.32	0.32	
Minot	0.10	0.00	0.40	0.52	1.68						T.	0.10	
Minto							4.21	2.78	T.	0.15			
Mott	0.71	0.40	0.51	2.30	0.83	6.37	3.35	3.76	1.31	0.96	0.08	0.05	20.63
Napoleon	0.10	0.10	0.50	1.31	0.50	4.66	5.12	3.30	1.63	0.33	1.25	0.30	19.10
New England	0.66	0.10	0.30	0.17	1.93	5.23	3.20						
New Salem	0.13	0.10	0.08	0.74	0.60	3.32	4.96	2.67	0.30	0.02	0.05	0.30	13.27
Park River	0.23	0.00	0.64	0.43	2.04	4.95	4.02	3.29	T.	T.	1.10	0.51	17.21
Parshall	0.20	0.16	0.30	0.79	1.40	3.43	3.07	5.24	0.13	0.27	0.02	0.06	15.07
Pembina	0.24	0.00	0.00	0.20	1.20	5.80	4.93	0.20	T.	0.10	1.00	0.80	14.47
Pettibone	0.22	0.04	0.47	0.53	0.85	4.87	8.38	2.88	1.46	0.02	1.02	0.05	20.79
Power	0.10	0.37	0.50	1.57	0.41	1.88	7.92	4.66	1.84	1.30	0.99	0.94	22.48
Powers Lake	0.20	0.21	0.38	0.49	1.03	4.88	9.81	2.04	0.20	0.43	T.	0.25	19.92
Richardton	0.24	0.24	0.12	1.59	3.34	4.55	5.16	2.92	0.42	0.37	0.11	T.	19.06
Rugby								3.42	0.11	0.09	0.14	0.24	
Ryder								4.41	0.18	0.26	0.00	0.08	
Sharon	0.09	0.03	1.21	0.62	0.73	6.29	2.99	3.45	1.25	0.12	1.51	0.30	18.59
Stanton	0.12	T.	0.57	0.78	1.24	4.13	4.71	3.25	0.50	0.22	0.19	0.30	15.92
Starkweather	0.51	T.	0.24	0.59	2.37	6.59	3.50						
Steele	0.08	0.08	0.90	1.25	1.33	6.37	5.15	4.14	2.45	0.41	1.20	0.38	23.74
Stowers						10.61	3.67	1.90	0.77	0.23	0.10	T.	
Tagus									0.78	0.10	0.05	0.06	
Tioga											0.06	0.10	
Towner	0.05	T.	0.80	0.30	1.53	4.91	5.67	2.62	0.08	T.	T.	0.20	17.16
Trotters	0.19	0.09	0.22	0.50	0.38	5.67	1.86	0.97	0.80	0.63	0.02	0.12	11.45
Turtle Lake	0.15	0.16	0.35	1.16	0.48	5.83	8.89	5.96	0.20	0.18	T.	0.70	24.06
Valley City	0.08	0.08	0.57	0.64	0.57	4.85	5.54	3.56	4.89	0.18	1.20	0.21	22.37
Velva	0.14	0.01	0.29	0.79	1.92	4.79	4.96	2.88	0.11	0.18	T.	0.30	16.37
Verona						0.20	7.73	6.20	1.59	1.32	0.74	0.06	
Wahpeton	0.00	0.22	0.55	1.05	0.96	2.74	5.55	5.08	2.08	1.89	0.40	0.48	21.00
Washburn					1.22	5.27	5.79	4.37	0.20	0.12	0.06	0.31	
Westhope	0.15	0.00	0.44	0.08	0.41	5.30	6.65	2.73	0.46	0.22	0.03	T.	16.47
Williston	0.05	0.22	0.26	0.53	0.67	4.56	6.07	1.79	0.31	0.24	T.	0.56	15.26
Willow City	0.24	0.02	0.73	0.73	1.59	6.56	3.48	2.89	0.09	0.11	T.	0.38	16.82
Wilton	0.20	0.12	0.40	1.03	0.56	6.82	5.88	3.26	0.73	0.20	T.	0.20	19.40
Zap								4.44					

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Ohio													
Akron	2.04	2.45	2.03	2.72	1.72	4.59	8.31	2.88	0.71	2.45	2.59	1.68	34.17
Alliance	1.90	3.15	3.09	3.14	1.15	5.59	7.75	3.28	0.25	1.65	3.32	1.20	35.47
Amesville	1.68	2.99	2.81	3.22	1.76	9.05	3.94	3.73	1.07	1.84	2.93	1.45	36.47
Ashland	1.35	2.88	2.57	3.27	1.93	5.73	5.62	1.94	0.53	2.00	3.08	1.68	32.58
Athens	1.50	2.96	2.59	3.61	2.11	7.02	3.38	2.95	1.31	2.27	2.92	1.60	34.22
Bangorville	2.88	4.19	3.31	3.21	1.09	6.96	3.98	2.68	0.62	2.85	4.00	2.35	38.12
Batavia	1.68	3.13	1.48	4.16	0.90	9.58	2.90	3.09	0.82	3.95	2.90	1.83	36.42
Bellefontaine	------	------	------	------	------	------	------	------	0.88	3.15	3.04	2.57	------
Bellpoint	1.55	2.25	2.07	2.88	1.68	6.20	2.62	1.36	0.43	3.45	2.76	2.30	29.55
Beverly	1.75	2.60	3.34	3.31	1.96	8.04	3.61	2.64	1.34	1.74	2.85	2.11	35.29
Bowling Green	1.59	1.37	2.89	2.35	1.87	5.55	3.55	2.31	1.09	1.34	2.45	2.69	29.05
Bucyrus	1.55	3.67	2.97	3.20	1.61	4.59	6.24	3.09	0.49	2.94	3.13	2.11	35.59
Cadiz	2.55	4.52	4.79	3.74	2.00	6.79	5.14	3.61	1.08	2.10	2.51	1.43	40.26
Cambridge	------	3.63	4.01	3.64	1.00	6.66	7.70	2.01	0.51	3.25	2.67	1.54	------
Canfield	1.52	2.10	2.18	2.37	1.80	7.05	7.19	5.41	0.70	2.37	3.31	1.02	37.02
Canton	1.84	3.28	3.23	2.90	1.35	5.52	7.72	2.67	0.77	2.08	2.72	1.31	35.39
Catawba Island	0.87	1.08	------	------	1.25	3.95	3.35	4.31	0.24	1.79	2.73	1.72	------
Charlestown	1.59	2.43	2.82	3.11	1.78	6.44	7.26	2.43	0.70	3.34	4.67	1.08	37.60
Chillicothe	2.12	2.82	2.82	3.52	1.36	9.90	4.48	4.48	0.69	1.75	2.57	1.95	38.46
Chilo	2.23	2.57	2.21	3.80	0.91	7.50	3.04	4.33	0.69	2.77	3.35	2.65	36.05
Cincinnati (Abbe Observatory)	1.65	3.23	1.31	3.66	0.76	9.07	4.61	2.85	1.27	3.18	3.25	2.56	37.40
Cincinnati (Government Building)	1.77	3.08	1.87	3.60	1.00	8.16	3.53	3.07	0.62	3.44	2.93	2.54	35.61
Circleville	1.51	2.69	2.60	4.15	2.41	8.21	7.27	3.10	0.98	2.01	2.18	1.77	38.88
Cleveland (Weather Bureau)	2.03	2.36	2.08	2.15	2.04	4.69	6.94	1.15	1.21	3.28	3.25	1.41	32.59
Cleveland (Carroll University)	1.75	2.86	2.26	1.78	2.23	4.82	5.79	------	1.00	3.05	3.22	1.31	------
Columbus (Weather Bureau)	1.44	2.28	2.79	2.92	1.51	6.94	6.27	1.05	0.80	2.85	2.32	2.07	33.24
Columbus (No. 2)	1.69	2.91	2.95	3.35	1.60	7.12	7.22	1.12	1.34	2.95	3.12	2.22	37.59
Cortland	1.84	2.81	2.58	2.60	1.89	7.08	5.42	1.59	0.79	3.85	3.95	0.53	35.23
Coshocton	1.99	3.12	2.55	2.92	1.36	7.34	5.66	2.07	0.55	2.70	2.40	1.83	34.49
Dam No. 28, Ohio River	2.49	2.11	3.14	3.68	1.59	6.96	3.04	5.66	1.48	2.05	3.26	1.54	37.00
Danbury	1.21	1.74	2.35	1.99	1.35	3.81	4.38	2.62	0.44	2.20	2.48	1.61	26.18
Dayton	1.37	2.73	2.04	3.62	1.48	7.13	2.24	3.00	0.73	2.89	3.56	2.09	32.82
Defiance	1.64	1.62	1.63	2.14	2.80	4.35	5.00	1.85	0.73	1.08	2.76	2.37	27.97
Delaware	1.81	3.30	2.91	3.26	2.32	7.22	4.08	2.39	0.58	2.60	2.94	2.29	35.70
Demos	2.14	4.33	3.72	3.77	2.27	6.26	8.29	3.07	1.54	2.20	3.12	1.58	42.29
Dennison	1.34	3.81	3.74	2.94	1.57	6.37	3.81	3.64	0.67	2.62	2.44	1.16	34.11
Dover	2.28	4.72	3.90	3.11	1.30	7.72	4.96	2.47	1.56	2.88	2.60	1.69	39.19
Dublin	2.03	2.51	2.32	3.03	2.05	8.10	5.27	------	------	------	------	------	------
Eaton	1.66	3.37	2.44	4.46	1.83	6.41	3.84	1.75	1.06	2.86	3.99	2.39	36.06
Ellsworth	1.43	2.56	2.60	2.43	2.19	6.96	9.27	5.35	0.81	1.90	3.58	1.08	40.16
Fernbank	1.48	1.26	1.13	2.96	0.68	8.38	1.58	3.39	0.47	2.70	3.36	2.29	29.68
Findlay	1.18	1.87	3.01	2.45	2.32	5.16	2.89	1.26	1.08	1.86	2.55	2.48	28.11
Franklin	1.65	3.23	1.86	4.47	1.26	8.19	3.64	3.28	0.74	2.60	4.46	2.70	38.08
Fremont	2.02	2.20	4.01	2.52	2.43	5.46	3.53	1.91	0.77	2.88	2.83	2.44	33.00
Gallipolis	2.07	2.37	3.90	3.37	1.74	------	2.52	3.69	2.03	1.43	2.60	1.57	------
Germantown	1.56	2.57	1.99	3.43	1.15	6.11	3.61	2.41	1.24	2.78	3.62	2.46	32.93
Gnadenhutten	2.11	3.72	3.60	3.21	1.12	7.63	4.04	2.50	------	------	------	------	------
Granville	2.04	3.55	3.60	3.70	1.41	9.00	6.97	6.03	1.33	2.69	3.38	2.28	45.98
Greenville	1.23	2.47	2.43	3.43	2.10	9.21	3.55	1.49	0.37	2.61	3.10	2.00	33.99
Hamilton (No. 1)	1.72	3.66	1.84	3.92	1.77	7.23	3.40	1.67	1.06	1.84	4.42	2.52	35.05
Hamilton (No. 2)	1.82	3.29	2.07	4.08	1.47	6.97	2.29	1.67	0.55	2.54	4.11	2.73	33.59
Hillsboro	2.89	3.25	2.14	4.32	0.97	8.19	3.93	1.94	0.93	2.12	3.18	2.37	35.73
Hiram	2.13	3.02	2.68	2.90	1.83	6.90	7.26	2.60	0.58	3.53	4.63	1.30	39.36
Ironton	2.14	2.61	3.85	3.52	1.76	7.14	4.96	6.62	1.40	2.05	4.22	1.19	41.46
Jackson	2.10	2.72	3.99	3.63	1.70	8.08	3.16	2.93	1.00	2.60	3.41	1.84	37.16
Kenton	1.57	2.35	2.98	2.51	1.64	7.31	3.64	1.23	0.99	3.14	3.11	2.31	32.78
Kings Mills	2.06	------	2.22	4.34	2.00	8.59	4.14	2.69	0.86	------	------	------	------
Kinsman	2.12	2.33	2.38	2.21	1.52	7.25	5.76	2.64	0.92	3.13	3.62	1.58	35.46
Lake Milton	0.92	1.88	1.53	2.27	1.52	6.18	7.38	3.16	0.69	2.32	3.08	0.90	31.83
Lakeview	1.59	3.36	3.31	2.70	0.91	7.63	3.54	0.96	1.34	3.02	3.14	2.20	33.70
Lancaster	2.17	3.39	3.27	2.94	2.47	8.89	3.90	2.31	0.80	1.70	2.54	2.46	36.84
Larue	1.44	2.22	4.07	2.67	0.68	7.58	3.49	0.59	0.40	2.63	2.71	2.15	30.63
Lima	1.38	2.93	2.84	2.83	1.93	6.26	4.62	2.02	0.63	2.19	3.32	2.18	33.13
London	1.31	2.07	2.75	3.10	1.51	------	3.70	1.55	------	4.05	3.53	2.68	------
McArthur	2.01	3.04	3.29	3.15	1.26	9.72	4.59	5.81	0.94	2.91	3.16	1.78	41.66
McConnelsville	1.77	3.42	3.75	3.76	2.71	8.70	4.84	2.76	1.15	2.49	3.13	1.93	40.41
Madison	2.59	2.30	1.52	1.92	2.08	4.80	3.63	4.56	2.64	3.64	3.62	1.30	34.60
Mansfield	2.25	3.23	2.57	3.23	1.51	6.04	5.13	2.08	0.69	2.89	3.16	2.28	35.06
Marietta (No. 1)	1.76	2.64	3.78	4.20	3.09	7.36	3.30	5.73	1.19	2.45	3.15	1.86	40.51
Marietta (No. 2)	1.79	3.01	3.84	4.62	3.24	7.74	3.59	5.72	1.26	2.65	2.68	2.88	43.02
Marietta Experiment Farm	1.65	3.22	3.75	4.17	2.66	7.68	------	------	------	------	------	------	------
Marion	1.63	3.55	3.32	3.01	1.50	7.35	5.05	2.16	0.41	3.65	2.84	2.87	37.34
Marysville	1.34	2.63	2.15	3.46	1.60	8.82	2.79	1.65	0.38	2.74	2.88	2.77	33.21
Medina	1.38	3.18	2.24	2.31	0.89	5.14	7.03	2.37	0.72	1.55	2.45	1.43	30.69
Miamisburg	1.73	3.28	2.48	4.17	1.85	7.89	3.25	2.82	0.72	3.13	3.60	2.80	37.72
Middleport	1.18	2.46	3.03	3.97	2.21	7.85	2.94	4.34	1.51	2.42	3.44	1.60	36.95
Middletown	1.69	3.29	2.76	4.30	1.20	7.46	3.85	2.25	1.49	2.66	4.75	2.76	38.46
Millersburg	1.93	3.38	3.57	2.83	1.66	5.63	3.83	3.77	1.37	2.32	2.61	1.58	34.48
Millport	1.77	3.72	4.15	3.04	2.03	8.38	8.50	2.35	0.50	2.70	2.84	1.18	41.16
Montpelier	------	------	------	------	2.79	4.78	3.40	2.86	1.14	------	------	1.34	------
Mount Healthy	1.67	3.10	1.06	3.12	1.41	7.76	1.29	1.67	1.65	3.04	4.67	2.40	32.84
Mount Vernon (near)	2.36	3.31	3.53	2.43	1.25	5.10	3.83	2.46	0.84	2.98	3.15	1.69	32.93
Napoleon	1.31	2.12	1.49	2.76	3.90	5.54	2.40	1.57	0.83	1.79	2.61	2.52	28.84
New Bremen	1.06	1.78	2.66	2.58	1.13	5.55	4.33	0.78	0.19	3.10	2.90	2.06	28.12
Newcomerstown	------	------	------	------	------	------	------	------	0.47	2.53	2.18	1.67	------
North Bass Island	1.08	1.47	1.47	------	1.20	3.84	2.75	1.78	1.11	------	1.55	------	------
Norwalk	1.71	2.62	3.67	2.90	1.84	6.20	5.15	1.91	0.92	3.29	3.29	1.53	35.03
Oberlin	1.69	3.36	3.51	2.79	2.39	5.96	5.64	2.82	0.63	2.64	3.33	1.56	36.32
Ohio State University	1.65	3.05	2.87	3.39	1.29	7.43	6.78	1.55	1.11	2.71	3.03	2.57	37.43
Ohlstown	1.35	2.33	2.21	2.34	1.72	6.53	6.56	3.44	0.00	1.92	3.10	1.04	33.14
Ottawa	1.69	2.50	2.62	2.04	3.10	5.62	3.41	1.79	1.51	2.08	2.87	2.62	31.85
Oxford	1.60	3.46	2.01	3.40	1.83	7.11	2.23	1.50	0.82	2.98	4.29	2.19	33.42
Pataskala	2.21	3.52	3.90	3.08	1.50	9.84	7.00	2.84	0.91	2.53	2.74	2.35	42.42
Paulding	1.71	2.68	1.76	2.50	3.66	4.98	2.49	2.19	0.40	2.26	2.89	2.03	29.55
Peebles (near)	1.97	2.55	2.43	3.48	1.91	6.71	4.63	2.31	0.61	2.51	3.55	2.29	34.95
Phalanx	1.42	2.56	2.47	2.70	3.59	5.19	8.28	2.53	0.78	2.68	3.72	------	------
Philo (No. 1)	1.38	2.86	2.52	2.95	1.21	8.75	6.54	1.51	1.41	2.48	2.26	1.68	35.5

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Ohio—Continued													
Philo (No. 2)	1.65	2.83	4.04	3.14	1.48	9.41	7.09	2.46	1.36	2.66	2.38	1.78	40.28
Piqua	1.43	2.44	2.29	2.89	1.84	8.81	3.64	1.05	0.55	2.57	3.02	2.35	32.88
Pleasant Hill	1.37	2.32	1.68	3.31	1.57	9.93	4.07	0.74	0.83	2.40	3.14	1.97	33.53
Portsmouth (No. 1)	2.19	3.31	4.14	4.07	1.33	6.51	3.40	3.17	0.84	1.93	3.48	2.05	36.42
Portsmouth (No. 2)	2.06	3.28	4.24	3.96	0.90	5.79	3.12	2.63	0.86	1.82	3.14	2.01	33.81
Prospect	1.66	2.73	2.23	2.89	1.63	7.51	4.27	1.87	0.34	3.48	2.95	2.41	38.97
Put-in-Bay	1.41	1.87	2.57	1.65	------	3.84	3.93	1.49	1.22	2.88	2.32	1.40	------
Saint Paris	------	------	------	------	------	8.95	3.18	1.87	1.01	3.42	3.32	------	------
Sandusky	1.53	1.79	2.63	2.34	1.92	5.26	4.04	2.92	0.73	3.05	2.57	1.81	30.59
Sidney	1.51	2.54	3.10	2.85	1.53	7.58	3.23	2.56	0.47	2.00	2.95	2.55	32.82
Springfield (No. 1)	1.65	2.74	2.08	3.76	1.15	6.29	2.29	0.92	0.23	2.50	3.85	2.59	30.05
Springfield (No. 2)	1.25	2.62	2.69	3.74	2.11	8.05	2.99	1.93	0.56	2.73	3.95	2.61	35.23
Summerfield	1.64	3.78	3.68	3.55	2.37	8.34	6.13	2.83	1.14	2.69	3.77	1.72	41.64
Tiffin	1.99	2.21	3.83	3.33	2.35	5.62	3.56	3.80	0.64	3.83	3.25	2.47	36.88
Tippecanoe City	1.64	2.60	2.25	3.73	1.57	6.59	2.88	0.82	0.94	2.64	3.08	2.07	30.81
Toboso	2.14	3.20	3.36	3.14	1.32	6.20	5.20	4.06	1.50	2.05	1.90	2.57	36.64
Toledo	1.48	2.18	2.33	2.39	1.44	3.89	3.28	2.68	1.66	1.73	2.40	2.36	27.32
Toledo (near)	------	------	------	------	------	------	3.44	3.95	1.01	1.71	1.89	2.51	------
Upper Sandusky	1.33	2.92	2.82	2.63	1.76	6.10	5.17	2.02	0.96	2.95	3.49	2.80	34.95
Urbana	1.74	2.89	2.25	3.80	1.57	8.42	3.23	1.89	0.67	2.94	3.52	2.66	35.58
Valley Crossing	1.32	2.58	3.32	3.08	1.45	7.26	6.33	2.24	0.71	1.56	2.40	2.02	34.27
Van Wert	1.13	2.48	2.46	1.87	2.85	6.95	4.47	1.13	0.56	2.14	2.84	1.71	30.59
Versailles	1.88	2.75	2.79	3.46	1.87	9.22	3.91	1.77	0.37	3.17	3.64	2.27	37.10
Vickery	1.19	1.92	2.70	2.15	1.61	4.46	3.62	1.98	0.64	2.32	2.51	1.80	26.90
Walhonding	2.81	4.27	2.90	2.76	0.95	6.36	4.38	2.61	1.17	2.21	2.31	1.85	34.69
Wapakoneta	1.28	2.34	2.62	1.85	1.16	7.68	4.18	0.98	0.87	1.82	3.01	1.78	29.55
Warren	1.29	2.52	3.10	2.87	2.63	5.81	7.41	2.79	0.14	2.70	4.27	1.15	36.08
Washington Courthouse	1.55	2.55	1.80	3.47	1.58	9.40	4.97	3.08	0.79	2.17	2.74	2.32	36.42
Wauseon	1.58	1.84	1.54	2.25	2.61	3.87	2.25	2.01	1.05	1.68	2.51	2.61	25.80
Waverly	2.31	2.73	2.93	3.37	1.51	7.85	3.57	2.78	0.77	2.44	2.51	1.80	34.27
Waynesville	1.39	3.07	------	------	------	------	------	------	------	------	------	------	------
Willoughby	1.52	2.58	1.97	2.00	0.99	5.44	3.41	1.84	1.78	3.89	3.56	------	------
Wilmington	1.81	3.25	0.98	4.63	1.11	9.49	6.45	2.56	0.80	5.29	3.07	1.66	41.10
Wooster (No. 1)	1.86	3.18	3.52	2.67	1.69	5.17	3.75	4.03	0.65	2.17	2.92	1.85	33.46
Wooster (No. 2)	1.49	2.63	2.54	2.66	1.79	4.82	4.45	3.83	0.75	2.37	2.90	1.75	31.98
Youngstown	1.54	2.31	2.27	2.11	1.15	6.12	6.66	3.49	0.69	1.84	2.35	1.09	31.62
Zanesville	1.70	2.53	3.28	2.85	1.14	6.95	6.95	3.83	0.58	2.27	2.40	1.97	36.45
Oklahoma													
Ada	1.60	2.39	0.50	4.23	2.80	9.75	3.68	4.05	0.44	4.42	2.78	1.71	38.35
Altus	0.49	1.58	0.35	2.43	3.46	3.06	5.03	0.17	0.50	------	4.39	0.85	------
Alva	0.43	2.29	1.79	2.33	5.21	5.39	3.13	1.10	1.35	2.52	5.69	2.12	33.35
Antlers	1.78	0.87	2.67	9.63	5.57	6.13	4.66	4.16	0.49	3.85	4.73	4.45	48.99
Apache	0.78	1.88	1.48	2.78	4.73	13.96	5.12	1.93	1.78	3.92	1.70	2.14	42.20
Arapaho	0.31	1.39	1.83	2.15	3.40	4.63	6.46	1.31	0.69	2.96	2.70	1.69	29.82
Ardmore	1.44	2.13	0.75	7.37	5.09	9.31	2.53	3.45	0.20	1.83	2.34	3.25	30.89
Arnett	------	------	------	------	7.45	4.59	2.99	1.76	0.40	2.58	4.24	1.66	------
Atoka	------	------	------	------	6.84	7.93	4.13	2.87	0.59	8.48	3.24	1.28	------
Bartlesville	0.39	------	------	------	3.37	5.35	6.76	1.38	0.22	4.24	2.11	2.07	------
Beaver	0.07	2.10	1.49	2.42	5.70	4.67	2.27	3.79	0.81	1.43	3.93	0.70	29.38
Blackwell	0.24	1.25	1.42	3.63	2.12	9.55	3.37	3.74	0.36	2.25	6.29	3.00	37.23
Boise City	0.00	0.44	1.10	1.35	7.72	4.63	1.63	1.24	0.50	3.85	3.39	1.00	26.94
Bristow	1.54	------	------	6.32	2.10	10.23	2.28	7.53	1.05	4.48	------	------	------
Broken Arrow	1.30	2.09	2.23	6.55	2.22	5.77	2.80	10.11	1.29	4.76	2.41	1.23	42.76
Buffalo	0.00	3.57	1.55	1.72	3.50	5.63	1.72	2.40	0.93	3.58	4.15	1.77	30.52
Calvin	1.71	2.36	1.53	4.79	5.36	4.49	4.94	7.38	1.19	5.82	3.26	2.10	44.93
Camargo	T.	2.40	0.90	2.78	3.80	4.95	4.55	0.56	1.53	2.00	4.79	0.86	31.12
Canton	0.34	1.14	1.20	4.75	5.70	4.10	2.93	0.80	0.74	1.97	5.44	1.12	30.23
Carnegie	0.55	2.19	1.70	2.85	3.66	8.30	5.63	1.83	0.79	2.42	2.37	1.14	33.45
Chandler	0.58	1.52	1.71	5.72	2.95	5.27	2.96	3.43	1.39	2.88	3.16	1.92	38.46
Chattanooga	------	------	0.94	1.86	3.29	5.49	4.24	0.96	0.44	1.87	1.57	------	------
Cherokee	------	1.31	1.00	2.56	3.31	3.60	4.43	2.29	0.98	2.39	4.16	1.85	------
Cheyenne	0.15	1.87	0.58	2.99	4.49	4.60	3.15	1.94	0.71	4.18	5.32	1.12	31.10
Chickasha	0.74	1.97	1.76	2.32	3.48	5.06	4.79	2.58	0.74	2.57	2.76	1.84	30.61
Claremore	0.95	2.68	2.04	8.38	4.91	6.72	5.79	7.12	0.98	3.52	2.46	1.49	47.04
Cleveland	0.70	1.49	2.79	3.65	4.11	5.67	1.85	3.78	1.82	------	------	------	------
Cloud Chief	0.23	1.35	1.99	3.35	4.22	5.29	5.82	1.47	0.57	2.11	2.47	1.51	30.38
Durant	0.78	1.42	0.98	6.05	4.95	5.40	2.11	3.82	0.56	4.75	2.34	3.75	36.91
Elk City	0.25	1.22	1.20	1.72	4.70	5.19	2.90	1.36	0.96	2.49	3.45	0.37	25.81
Enid	0.28	1.32	1.06	3.86	4.59	3.86	3.37	2.24	1.58	2.81	4.27	2.09	31.38
Erick	0.17	1.09	1.24	2.21	5.03	3.29	3.44	2.24	1.14	4.53	3.26	0.50	28.14
Eufaula	1.68	1.28	2.50	7.11	4.38	5.15	5.17	4.59	0.75	5.04	3.18	2.72	43.55
Fort Gibson	1.97	2.18	2.55	8.76	3.66	8.41	4.72	5.06	0.85	4.89	2.16	1.43	46.64
Fort Reno	0.30	3.50	------	4.27	1.97	1.30	3.81	1.56	1.08	2.88	2.08	2.37	------
Frederick	0.56	2.23	0.92	1.83	5.83	3.42	3.13	0.70	0.15	0.75	2.28	1.10	22.90
Geary	0.21	2.08	1.09	2.98	2.23	5.10	6.13	2.05	0.70	2.24	2.16	2.06	29.63
Goodwell	T.	1.21	0.86	1.41	6.48	2.92	3.57	1.85	0.36	3.04	1.90	0.70	23.57
Guthrie	0.26	1.69	1.99	4.46	2.38	6.37	0.64	3.39	0.77	3.55	3.40	2.19	31.09
Hammon	0.20	1.41	0.81	2.84	3.30	3.37	2.87	2.40	0.84	2.87	5.26	1.23	27.39
Hennessey	0.22	1.28	1.42	5.77	2.90	4.50	2.02	1.27	0.76	3.05	2.78	2.40	28.37
Hobart	0.28	1.88	1.06	2.36	4.23	4.06	3.18	6.24	0.75	3.33	2.03	1.29	34.74
Holdenville	2.15	2.30	2.01	3.88	3.81	4.94	3.30	4.54	0.45	3.35	3.35	2.50	36.58
Hollis	0.34	1.38	1.28	2.20	2.66	2.71	4.01	1.62	1.10	1.95	1.94	0.40	21.59
Hooker	T.	2.53	0.61	1.53	6.37	2.00	1.77	2.59	1.04	3.16	1.37	0.40	23.31
Hugo	1.68	1.58	2.52	9.77	3.52	7.48	5.20	3.55	0.25	5.23	3.63	4.23	49.24
Idabel	1.64	2.08	2.13	5.89	3.19	9.38	2.47	3.68	0.30	2.09	4.79	5.48	44.12
Jefferson	------	------	2.12	2.81	2.36	8.13	2.68	0.82	0.81	2.45	6.40	2.68	------
Kenton	T.	0.65	1.10	0.82	6.01	3.09	2.87	3.12	0.49	4.57	1.72	0.66	25.10
Kingfisher	0.22	1.93	1.84	4.47	4.02	5.75	2.38	3.01	0.87	2.06	2.92	2.37	32.44
Lawton	0.80	2.01	1.28	2.23	3.22	10.01	2.60	1.58	0.79	2.25	3.04	1.49	31.30
McAlester	3.32	2.92	1.47	9.59	4.99	6.01	4.63	3.53	0.57	4.41	3.44	2.11	46.99
Mangum	0.38	2.91	1.83	1.38	3.79	4.58	5.93	0.47	0.95	------	1.90	0.56	------
Marlow	1.54	1.89	1.06	5.26	2.58	6.96	3.76	1.01	1.97	3.10	2.79	1.45	33.36
Meeker	1.00	1.75	2.80	5.13	1.57	3.24	3.96	3.68	2.06	3.36	3.40	2.75	34.60
Miami	0.49	3.03	2.30	6.28	3.33	12.24	6.42	5.63	0.63	4.05	3.41	5.80	53.61
Muskogee	1.87	1.25	3.08	7.70	2.44	6.63	7.95	4.17	0.70	5.61	5.05	1.70	48.15
Mutual	0.97	1.03	0.80	2.53	5.06	7.27	1.49	0.87	1.62	2.80	2.70	1.07	28.31

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
***Oklahoma*—Continued**													
Newkirk	0.27	-------	-------	3.81	3.65	14.87	3.68	1.84	0.75	3.51	8.56	3.04	-------
Norman	0.27	1.91	1.85	3.34	2.64	3.33	3.81	4.35	2.59	1.67	4.22	2.35	32.33
Oakwood	0.20	0.75	1.09	4.74	3.98	5.11	3.21	0.94	1.28	1.75	4.95	1.75	29.75
Okay	2.49	1.61	2.77	8.14	2.72	5.75	6.17	3.25	0.74	5.40	4.16	2.21	45.41
Okeene	0.42	1.59	1.65	5.15	3.34	4.68	2.90	1.19	0.88	2.88	4.68	3.48	32.84
Okemah	2.02	2.20	2.20	5.48	2.42	5.32	4.40	1.98	0.57	6.38	3.40	1.95	37.89
Oklahoma City	0.51	1.33	1.75	3.68	1.92	4.21	2.86	1.98	0.61	2.74	3.88	2.01	27.48
Okmulgee	1.92	1.75	2.44	6.50	2.20	4.52	2.15	2.29	0.80	6.95	2.94	1.92	36.39
Pauls Valley	1.26	3.17	0.88	2.82	3.40	4.57	3.14	1.75	6.93	2.87	2.49	1.87	29.15
Pawhuska	0.39	2.18	2.14	4.33	3.47	9.22	4.23	4.01	0.36	3.61	3.41	3.50	40.85
Pensacola	1.03	1.72	2.34	7.45	4.39	8.02	4.46	8.27	0.58	3.63	2.78	1.79	46.46
Perkins	0.45	2.12	2.12	4.87	2.03	4.16	3.70	4.26	0.91	3.59	3.82	2.24	34.27
Perry	-------	-------	-------	4.13	3.71	6.99	2.56	2.14	0.49	3.70	5.50	3.12	-------
Poteau	1.63	-------	1.09	10.18	4.51	8.38	6.39	2.84	1.90	2.63	2.88	2.48	-------
Pryor	1.77	2.40	2.06	6.92	5.94	6.15	6.66	10.31	0.67	6.05	2.89	1.92	58.74
Purcell	2.26	2.17	2.10	7.11	2.73	3.26	3.75	3.01	2.87	2.08	2.48	2.24	36.06
Ralston	0.30	2.12	1.80	4.73	2.97	8.18	2.76	3.90	0.65	4.72	5.84	2.52	40.49
Reno Junction	-------	-------	1.56	3.54	2.26	2.41	4.81	1.88	1.32	2.16	1.79	2.30	-------
Sageeyah	-------	-------	-------	-------	-------	-------	3.53	7.50	0.84	3.19	3.37	1.23	-------
Sallisaw	2.68	2.30	2.17	7.74	3.83	7.33	7.06	6.18	0.43	5.15	3.37	2.17	50.41
Shawnee	1.57	2.13	2.38	10.13	2.67	3.29	3.38	2.63	1.17	3.66	3.93	2.37	39.81
Smithville	2.58	3.72	2.35	10.46	4.33	8.46	6.73	2.17	0.92	4.06	5.62	4.62	56.02
Spavinaw	1.59	2.25	2.36	6.89	3.65	8.63	6.00	8.92	-------	4.90	4.01	2.31	-------
Stillwater	0.30	1.38	3.07	4.44	3.27	6.11	1.90	2.02	0.37	3.33	4.77	1.56	33.69
Sulphur	3.30	2.99	1.10	7.86	3.20	9.77	4.97	3.06	0.76	3.55	2.68	1.74	44.98
Supply	T.	2.10	1.63	2.36	5.13	4.19	1.22	1.64	0.41	4.27	3.59	1.24	27.78
Tahlequah	1.81	1.51	2.73	9.67	4.72	8.42	5.12	3.78	0.75	4.34	4.00	0.91	47.76
Tishomingo	1.60	2.60	1.15	4.64	5.61	10.87	3.59	2.44	0.13	2.32	4.01	2.05	41.01
Tulsa	0.69	2.22	2.26	7.13	3.05	5.79	5.15	7.51	1.15	4.95	3.37	2.05	45.32
Tuskahoma	1.74	1.52	0.92	13.30	3.67	10.63	4.53	3.44	0.69	5.35	4.50	3.10	53.48
Union City	0.62	1.66	1.66	3.90	2.08	1.94	4.18	2.04	0.43	3.13	2.03	2.07	25.74
Vinita	0.65	2.90	2.39	5.74	2.99	6.59	7.05	8.15	0.78	4.18	2.79	2.03	46.24
Walters	1.46	1.62	-------	3.20	3.00	8.49	2.84	1.24	0.57	2.35	1.43	1.56	-------
Watonga	-------	-------	-------	2.46	3.50	4.28	6.17	2.38	1.60	3.20	2.64	2.33	-------
Watts	2.54	2.46	3.38	11.48	5.91	11.65	4.27	4.92	0.42	3.82	-------	2.20	-------
Waukomis	0.21	1.36	1.26	4.02	5.06	4.16	2.73	3.21	1.33	2.84	3.13	3.32	33.23
Waurika	1.49	1.72	0.72	3.15	6.73	12.09	4.37	1.13	0.10	1.29	2.91	1.44	37.14
Weatherford	0.34	1.53	2.32	3.42	3.47	5.31	6.57	1.07	0.68	2.86	1.84	2.08	31.49
Webbers Falls	2.29	1.72	1.33	8.65	4.54	7.67	10.56	4.70	0.35	5.04	3.44	2.39	52.68
Wichita National Forest	0.33	1.59	1.30	1.22	4.17	5.74	2.53	0.35	1.10	3.18	1.98	1.38	24.87
Wilburton	2.94	1.95	0.99	9.35	-------	-------	-------	-------	-------	-------	-------	-------	-------
Woodward	0.01	1.98	1.21	1.88	6.57	6.60	1.96	0.51	0.95	5.42	4.76	1.11	32.96
Wyandotte	0.98	2.35	1.22	6.22	2.96	15.43	7.78	7.66	0.85	2.67	2.58	2.21	52.91
Oregon													
Albany	4.74	1.70	7.15	4.47	0.88	0.85	0.05	0.00	1.74	1.81	7.39	7.19	37.97
Andrews	0.26	0.50	1.01	0.53	0.21	0.17	0.11	0.01	0.06	0.23	1.65	0.16	4.90
Antelope	1.20	0.43	1.11	0.71	0.46	0.41	0.25	0.00	0.74	0.34	1.26	1.26	8.17
Arlington	2.05	0.16	1.09	1.16	0.03	0.14	0.01	T.	0.22	0.40	1.09	1.63	7.98
Ashland	1.45	0.64	3.48	1.30	0.12	0.41	0.00	0.00	0.87	1.81	1.76	2.89	14.73
Astoria	11.24	3.32	12.95	9.43	2.17	1.35	1.48	0.45	2.31	7.18	8.93	8.68	69.49
Baker	1.02	0.30	0.86	0.86	0.18	1.46	0.45	0.06	0.60	0.73	0.40	0.51	7.43
Bear Creek	2.73	0.48	0.72	0.65	0.13	0.60	0.01	T.	0.67	0.43	0.10	0.28	6.80
Bear Valley	1.84	0.72	1.29	0.98	0.35	0.62	0.60	0.07	0.45	0.84	1.03	1.02	9.81
Beech Creek	1.09	0.75	1.37	0.98	0.23	1.75	0.43	0.00	0.87	1.24	1.42	0.96	11.09
Bend	1.71	0.47	1.89	0.06	0.85	0.81	0.05	0.07	0.15	0.82	0.48	1.34	8.70
Big Eddy	2.45	0.25	2.64	0.48	0.02	0.57	T.	00.0	0.09	0.20	1.62	2.51	10.83
Blitzen	1.07	1.12	0.86	0.76	0.31	0.72	0.00	0.27	0.05	0.63	1.43	0.16	7.38
Brookings	9.54	5.22	10.99	10.01	0.91	0.42	0.50	0.09	1.76	4.66	9.03	8.88	62.01
Cascade Locks	8.31	1.88	17.35	8.14	1.62	1.38	0.96	0.00	0.70	4.67	9.89	13.65	68.55
Cascade Summit	5.50	1.81	8.43	3.24	0.36	0.18	0.13	0.05	0.52	2.45	2.81	6.78	32.26
Cascadia	-------	-------	-------	-------	-------	-------	0.25	0.00	2.18	4.57	7.75	8.22	-------
Casadero	6.82	1.98	12.70	6.36	1.31	2.52	0.34	0.08	0.85	2.99	6.85	7.19	49.99
Chiloquin	0.99	0.52	2.52	0.98	0.17	1.57	0.14	0.00	0.57	1.28	1.12	1.23	11.09
Condon	1.14	0.22	1.31	0.70	0.43	0.91	0.71	0.00	0.83	0.50	1.50	0.67	8.92
Coquille River Lighthouse	5.77	0.77	7.96	5.23	0.71	0.65	0.26	0.05	1.04	2.31	6.34	8.76	39.85
Cornucopia	6.34	1.92	9.13	4.16	0.29	1.93	0.86	0.49	1.14	2.45	3.88	5.81	38.40
Corvallis	5.06	1.64	7.95	4.57	0.48	0.40	0.03	0.00	1.69	1.60	9.43	7.02	39.87
Cottage Grove	5.59	2.42	9.92	4.78	0.50	0.60	0.46	0.00	1.23	2.64	3.65	6.72	38.51
Cove	2.86	0.58	2.99	3.38	0.26	0.72	0.93	0.19	1.59	1.84	1.45	0.66	17.45
Crater Lake	5.79	3.10	8.93	7.84	0.92	-------	-------	-------	-------	-------	-------	-------	-------
Cruzatte	8.28	3.60	12.82	9.22	1.61	2.84	0.98	0.12	1.49	5.42	5.89	6.42	58.69
Dayville	1.90	0.67	1.01	0.96	0.01	1.63	0.06	T.	0.40	0.46	1.19	0.67	8.96
Detroit	9.99	2.74	-------	5.62	1.65	0.96	0.02	0.00	1.50	4.33	8.69	10.30	-------
Diamond Lake	5.15	1.10	7.32	4.07	0.22	1.54	0.00	0.00	-------	4.15	1.62	2.37	-------
Doraville	4.68	1.70	8.31	6.47	0.94	1.78	1.39	0.03	0.61	3.64	4.14	7.59	41.28
Drain	5.50	2.73	8.67	6.37	0.41	0.49	0.11	0.00	1.69	1.48	3.52	6.59	37.55
Drewsey	2.32	1.15	3.00	1.37	T.	0.71	0.55	T.	-------	-------	0.83	1.72	-------
Dufur	2.56	0.28	1.80	0.41	0.34	1.15	0.23	0.00	0.15	0.39	1.31	2.26	10.88
Echo	2.17	0.25	1.20	0.79	0.25	0.05	0.43	0.07	0.83	0.85	1.14	1.07	9.10
Eugene	5.82	1.92	7.81	4.13	0.57	0.28	0.10	0.00	1.05	2.10	3.97	7.16	34.91
Eula	6.00	2.24	9.86	6.22	0.75	1.82	1.02	0.00	1.43	0.89	3.63	5.21	39.07
Fall River	-------	-------	-------	-------	-------	-------	-------	0.22	0.56	1.04	1.42	1.69	-------
Falls City	9.10	2.66	14.08	9.01	1.10	0.55	0.05	0.00	1.00	3.55	11.65	9.20	62.85
Fish Lake	2.24	1.81	6.50	4.39	0.81	-------	0.01	0.00	1.15	2.98	2.86	2.90	-------
Forest Grove	7.51	1.88	10.04	6.04	0.47	0.78	0.22	T.	0.99	2.18	6.17	8.64	44.92
Fossil	1.82	0.62	2.30	0.52	0.45	1.59	0.51	T.	1.24	0.53	1.24	1.03	11.85
Fremont	1.37	0.57	1.65	0.66	0.21	1.72	0.47	0.10	0.14	0.23	0.49	0.84	8.45
French Glen	1.10	0.78	1.48	0.72	0.30	0.68	0.04	0.17	0.18	0.80	2.64	0.28	9.17
Friend	1.96	0.67	2.27	0.32	0.22	0.61	0.09	T.	0.22	0.63	2.05	3.43	12.47
Gerber Dam	1.46	1.34	3.07	2.42	0.12	1.01	0.07	0.08	0.33	0.60	1.87	2.06	14.43
Government Camp	11.63	6.62	17.04	-------	-------	-------	-------	-------	-------	-------	7.69	10.99	-------
Grande Ronde	6.01	2.66	12.40	6.76	0.83	0.78	0.04	0.00	0.81	2.81	8.39	10.57	52.06
Grants Pass	5.47	2.19	7.17	3.57	0.07	0.23	0.00	0.00	0.92	1.85	3.14	5.00	29.61
Harney Branch Experiment Station	1.49	0.88	1.02	0.60	0.04	0.28	0.15	0.00	0.10	0.15	0.66	0.75	6.12

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Oregon—Continued													
Harper	1.31	0.43	0.80	0.14	T.	0.32	T.	T.	T.	0.29	0.39	0.70	4.38
Harrisburg	5.97	1.81	7.35									7.84	
Hay Creek	2.02	0.65	1.23	0.21	0.10	0.77	0.43	0.00	0.62	0.40	1.14	0.69	8.26
Headworks	8.52	3.06	13.74	7.65	2.28	3.64	1.42	0.18	0.69	5.44	7.91	11.27	65.78
Hendricks Bridge	8.16	3.08	10.02	7.25						3.09	4.51	7.66	
Heppner	1.28	0.26	1.53	0.77	0.09	0.51	0.48	T.	1.21	0.97	0.74	0.83	8.67
Hermiston	2.03	0.14	0.96	0.76	0.04	T.	0.34	0.23	0.69	0.67	0.67	1.12	7.65
Hillcrest Orchard	2.69	1.13	3.68	1.62	T.	0.87	0.00	0.00	1.14	1.56	1.55	3.59	17.83
Hood River	5.54	0.26	5.59	2.21	0.14	0.61	0.07	0.00	0.18	0.82	3.62	6.16	25.20
Howardville	2.42	0.67	2.78	3.14	0.23	0.52	0.91	0.14	0.69	1.22	1.65	1.79	16.16
Huntington	2.18	0.30	2.41	3.09	0.09	0.95	0.31	0.18	0.05	0.79	1.17	1.19	12.71
Intake	6.06	1.98	11.29	4.95	0.79	1.72	0.60	0.02	0.69	3.73	6.97	8.88	47.68
Jacksonville	2.88	1.01	4.51	2.43	0.01	0.74	0.00	0.00	1.35	1.46	2.09	4.30	20.78
Jefferson	5.19	2.32	6.91	4.66						1.57	7.57	6.74	
Jewell	8.96	3.00	14.70	9.88	1.41	2.10	0.73	0.05	1.35	4.76	7.24	13.03	67.21
Joseph	0.81	0.37	1.66	2.27	0.22	2.07	0.45	0.51	1.00	1.07	0.77	1.24	12.44
Juniper Ranch										0.41	1.57	0.27	
Keno	1.63	0.68	4.36	1.38	0.42	0.70	0.19	0.03	0.51	1.23	2.07	2.30	15.50
Kent	2.02	0.35	1.06	0.53	0.17	0.67	0.13	0.00	0.60	0.33	1.34	1.18	8.38
Kingman	2.15	0.64	0.90	0.58	0.01	0.09	T.	T.	0.05	0.43	0.38	0.63	5.86
Klamath Falls	1.01	0.87	3.40	0.62	T.	0.45	0.07	0.00	0.36	1.23	1.75	1.89	11.65
La Grande	2.24	0.76	3.48	2.53	0.20	0.56	1.28	0.20	1.19	1.61	1.03	0.84	15.92
Lake	0.90	0.55	0.81	0.46	0.10	1.25	0.53	0.61	0.21	0.30	0.36	0.31	6.49
Lake Creek	2.78	3.06	5.71	2.69	0.45	1.69	0.00	0.00	1.13	3.26	3.06		
Lakeview	1.14	1.06	2.22	0.95	0.21	0.34	T.	0.10	0.11	0.39	1.21	0.64	8.37
McMinnville	6.48	1.60	9.26	4.59	1.49	0.40	0.38	0.00	1.04	1.39	6.22	7.65	40.50
Madras	1.76	0.41	1.24	0.13	0.26	0.42	0.13	T.	0.40	0.40	1.03	0.63	6.81
Malin	1.34	0.56	1.98	1.42	0.29	0.90	T.	0.25	0.17	0.69	1.68	0.81	10.09
Mapleton	9.27	6.73	17.91	10.78	1.10	0.47	0.10	0.00	1.18	3.68	11.60	13.09	75.91
Marshfield	8.30	5.61	11.84	9.21	1.08	0.87	0.30	0.05	1.48	2.98	8.39	10.41	69.52
Meacham									1.71	2.90	2.23	1.99	
Medford	2.08	0.73	3.24	0.99	0.01	0.82	T.	0.00	1.23	1.28	1.11	2.84	14.33
Mehama	7.53	3.94	11.16	7.47	2.28	1.76	0.75	0.00	2.23	3.64	8.60	8.95	58.31
Merrill					0.14	0.63	T.	T.					
Mikkalo	1.72	0.20	1.06	0.49	0.18	0.55	0.26	0.00	0.49	0.10	0.95	1.45	7.45
Milton	2.11	0.27	1.72	1.06	0.03	0.61	0.58	0.09	0.88	1.16	0.79	1.42	10.72
Modoc Orchard	3.47	1.07	4.80	1.66	0.06	1.09	0.02	0.00	0.83	1.25	1.51	3.05	18.81
Morgan	1.84	0.25	0.98	0.59	0.05	0.37	0.40	0.02	0.61	0.42	0.68	0.95	7.16
Moro	2.49	0.28	1.92	0.74	0.09	0.52	0.03	T.	0.46	0.17	1.40	1.78	9.88
Newport	9.47	3.42	13.65	7.13	1.06	0.68	0.75	0.36	2.20	4.81	9.39	10.60	63.52
Oakridge	5.88	2.18		3.81	0.92	0.93	0.58	0.00	0.10	2.43	3.06	3.76	
Olive Lake	4.57		5.79	3.91	0.55	0.76	0.00	0.00	1.98	2.29	1.55	2.95	
Oregon City	5.63	1.76	8.96	6.00						1.92	6.26	8.72	
Paisley	0.57	0.36	1.58	0.48	0.01	1.00	0.09	0.27	0.23		0.82	0.81	
Parkdale	6.33	0.69	9.98	3.73	0.63	1.11	0.03	0.00	0.25	2.08	5.64	6.22	36.69
Pendleton	1.52	0.43	1.62	0.78	0.46	0.01	0.64	0.35	0.92	1.19	0.72	1.23	9.87
Pilot Rock	1.41	0.48	1.56	0.78	0.61	0.42	0.46	0.12	0.65	1.13	0.84	1.03	9.49
Pittsburg						0.75	0.75	0.20	1.70	0.40	1.41	0.41	
Portland	5.11	1.19	7.21	4.47	0.74	0.44	0.42	T.	0.65	1.65	5.30	7.51	34.69
Port Orford	9.39	5.00	10.41	7.60	0.35	0.83	0.32	0.00	1.10	3.81	10.04	11.98	60.83
Power House	1.32	0.78	3.80	2.01	0.02	0.78	0.79	0.13	0.89	1.49	1.36	2.19	15.56
Prairie City	3.19	1.29	1.69	1.99	0.40	1.06	0.43	0.21	1.06	1.03	0.93	0.78	14.06
Prineville	1.45	0.50	0.58	0.21	0.28	0.80	0.04	0.00	0.44	0.09	0.96	0.20	5.55
Prospect	4.09	1.87	9.26	3.94	0.12	1.16	0.08	T.	1.11	1.82	3.17	4.74	31.36
Riddle	2.99	1.72	6.40	3.40	0.11	0.39	T.	T.	0.87	1.52	3.62	4.69	25.71
Riverside	1.20	0.30	1.45	0.38	T.	0.50	T.	T.	T.		1.05	0.43	
Rock Creek	2.48	1.05	3.38	2.04	0.15	1.30	0.99	T.	0.48	1.14	1.28	1.70	15.99
Roseburg	2.90	2.01	5.71	3.57	0.42	0.70	0.12	T.	0.84	1.50	2.54	4.46	24.77
Round Grove	1.65	1.23	3.28	2.17	0.07	0.72	0.17	0.28	0.52	0.58	1.73	2.13	14.53
Rujada		2.98		4.57	1.55	0.44	1.10	0.01	1.58	2.73	4.35	5.49	
Saginaw	2.50	3.29	7.85	3.71						2.11	3.45	6.20	
Salem	4.83	1.29	8.00	5.21	0.45	0.85	0.05	0.00	0.78	1.78	7.15	7.64	38.03
Siskiyou	2.32	2.29	3.96	2.74	0.24	0.72	T.	0.00	0.75	2.01	3.42	4.94	23.39
Summit	8.19	3.44	14.24	9.37	1.54	0.96	0.29	0.00	1.84	3.09	10.11	8.93	62.00
Sunrise Valley	1.09	1.21	1.28	1.16	T.	0.29	0.05						
Talent	1.86	0.80	3.69	1.11	0.23	0.79	T.	0.00	0.98	1.91	1.25	3.05	15.67
The Dalles	3.50	0.23	2.92	1.04	T.	0.54	0.12	0.00	0.09	0.15	1.81	2.61	13.01
Three Links	7.98	2.29	14.76	6.74	0.98	2.23	0.57	0.02	1.06	4.27	7.92	9.33	58.15
Tillamook	6.93	5.80	15.43	11.44	1.34	1.11	1.05	0.17	1.34	7.43	10.40	12.01	74.45
Toledo				9.25	0.95	0.68	0.50		2.39				
Ukiah	1.44	0.40	2.25	2.11	0.82	1.54	0.70	0.06	0.79	1.19	1.31	1.06	13.69
Umatilla			1.04	0.69	0.19	0.06	0.15	0.25	0.57	0.09	0.96		
Umpqua	8.66	4.64	11.50	7.84	1.17	0.68	0.89	0.00	1.32	3.60	9.39	11.22	61.00
Union	1.38	0.38	1.11	1.72	0.15	0.56	0.44	0.05	0.97	1.38	0.95	0.36	9.45
Vale	1.23	0.44	0.86	0.64	0.00	0.17	T.	0.20	0.08	0.33	0.30	0.67	4.92
Valley Falls	1.15	0.57	2.03	0.88	0.44	0.77	0.07	0.65	0.25	0.30	1.11	1.07	9.29
Valsetz	17.74	5.37	27.92	16.45	2.65	0.82	0.75	T.	2.45	7.90	16.95	16.85	115.85
Waldo	9.97	3.71	12.00	8.91	0.27	0.66	0.10	0.00	1.55		6.30		
Wallace Orchard	5.90	1.51	8.95	5.29	0.56	0.68	0.06	T.	0.91	1.44	6.29	5.75	38.25
Wallowa	1.06	1.06	2.13	2.12	0.54	1.75	1.64	0.09	0.93	0.90			
Warmspring										0.10		2.17	
Warmspring Reservoir	1.31	0.51	1.37	0.22	0.10	0.54	0.31	T.	T.	0.22	0.62	0.88	6.08
Wasco	2.95	0.17	1.73	0.87	0.16	0.43	T.	T.	0.47	0.22	0.95	1.87	9.82
Waterloo	4.47	1.76	8.61	5.21	1.06	0.33	0.90	0.00	1.49	2.58	7.99	8.49	42.80
Welches	12.89	3.40	15.77	8.36	1.49	4.46	1.02	0.16	1.24	6.62	9.09	8.89	73.39
Weston	2.18	0.56	3.05	1.48	0.10	0.59	0.57	0.08	1.22	1.21	0.67	1.30	13.01
Wicopee	5.59	1.94	9.74	5.16	1.34	1.60	0.82	0.07			4.74	3.55	
Williams	4.08	1.72	6.25	2.87	0.00	0.88	0.00	0.00	0.81	2.39	2.79	5.17	26.96
Willow Creek	13.27	5.29	15.74	10.42	0.95	0.94	0.47	0.00	1.45	4.27	11.74	16.37	80.91
Wolf Creek	4.52	2.24	9.35	5.56	0.05	0.24	0.04	T.	0.94	1.50	4.27	6.60	35.31
Yonna	1.49	1.11	3.85	0.79	0.26	2.37	0.14	0.05	0.54	1.22	1.55	2.16	15.53
Pennsylvania													
Allentown	2.61	4.19	2.76	5.34	2.50	5.49	6.68	9.95	2.22	0.62	1.54	1.42	45.32
Altoona	1.85	3.61	3.52	7.53	1.86	8.82	6.19	2.55	1.78	1.87	2.39	0.69	42.66
Ansonia	1.22	2.23	1.65	3.86	1.79	6.93	4.98	5.98	1.58	2.05	1.79	1.00	35.06
Arendtsville	0.85	3.31	2.93	6.75	3.34	11.04	5.26	5.76	3.85	2.46	1.30	1.52	48.37

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Pennsylvania—Continued													
Bakers Summit	1.88	2.24	3.36	6.42	0.81	7.00	3.46	1.57	2.47	1.65	1.92	0.86	33.64
Beaver Dam	1.63	3.95	3.44	3.23	1.82	9.64	4.63	2.48	0.84	2.46	2.14	1.79	38.05
Beaver Falls	1.72	3.23	2.95	2.79	1.15	8.22	5.84	1.32	0.71	2.79	2.50	1.55	34.77
Bellefonte	------	------	------	------	------	------	------	------	0.99	1.26	1.23	0.39	------
Bethlehem	3.15	4.42	3.32	5.20	2.55	5.74	5.39	9.72	2.21	0.45	1.54	0.87	44.56
Bloserville	1.88	1.90	2.70	5.60	3.54	10.23	5.09	6.08	8.76	0.97	2.47	0.68	49.90
Bradford	------	------	3.11	3.85	1.19	6.25	5.49	1.70	1.92	------	------	------	------
Brookville	1.45	2.73	3.25	4.20	1.75	9.81	4.85	4.35	2.37	3.67	5.23	1.43	45.09
Butler	1.41	3.77	4.18	4.10	1.68	5.93	9.08	2.68	0.73	1.89	------	0.49	------
Carlisle	1.87	3.76	3.84	7.03	3.90	8.32	5.52	4.97	3.81	0.54	1.79	0.77	46.12
Catawissa	1.95	2.93	3.40	6.50	1.60	7.29	3.34	3.79	2.12	1.43	1.61	0.33	36.29
Cedar Run	1.89	3.22	2.34	4.91	2.82	7.71	------	------	------	------	------	------	------
Center Hall	2.08	4.30	2.64	6.62	0.75	5.26	5.68	2.89	1.13	0.82	1.40	0.53	34.10
Chambersburg	2.18	2.62	3.63	5.98	1.75	9.82	6.51	2.44	3.04	1.28	1.64	0.97	41.86
Claysville	1.38	2.72	3.85	4.35	2.49	7.43	9.41	2.88	2.25	2.28	2.49	1.56	43.09
Clearfield	1.75	4.15	------	6.00	1.45	10.58	6.21	3.59	0.96	3.04	3.79	1.40	------
Cloe	1.41	3.93	3.74	5.06	1.96	8.54	5.36	3.80	1.04	2.40	3.09	0.63	40.76
Clymer	1.73	4.44	4.02	6.42	2.51	7.90	8.43	6.37	1.51	2.19	3.09	0.96	49.57
Coatesville	3.73	4.47	2.84	5.43	2.37	10.57	7.24	8.59	4.80	0.65	2.22	1.51	54.42
Colebrook	2.56	3.62	3.11	5.90	3.62	6.89	3.12	4.99	3.35	0.97	1.85	0.75	40.73
Confluence	2.45	2.80	4.10	6.76	1.49	7.96	6.83	3.01	2.24	1.39	2.91	2.13	44.07
Conshohocken	1.71	4.25	2.35	5.30	2.22	6.99	4.13	8.62	4.15	1.12	1.56	2.16	44.56
Corsopolis	1.59	3.99	3.70	4.00	1.88	8.61	3.51	2.17	1.13	2.15	1.92	1.86	36.51
Corry	4.08	3.13	3.53	3.96	1.30	9.07	4.18	2.53	2.42	4.56	4.34	1.14	44.24
Coudersport	1.88	3.80	3.17	5.11	1.25	6.39	6.43	2.14	1.34	3.19	3.40	0.86	38.96
Creekside	1.88	5.39	4.21	5.75	2.44	9.64	8.28	5.19	1.36	2.66	2.68	0.91	50.39
Cresson	1.55	3.59	3.62	8.50	1.39	6.70	7.88	2.82	2.15	1.55	1.83	0.76	42.34
Derry	2.23	3.89	3.63	6.07	2.09	7.82	4.83	5.43	2.07	2.01	2.15	1.38	43.60
Donora	0.78	2.93	3.87	5.53	1.75	5.78	2.93	2.77	1.58	1.65	1.89	2.48	33.94
Doylestown	2.48	4.58	2.28	5.01	3.01	5.22	8.10	5.24	4.06	1.49	1.55	1.17	44.79
Driftwood	2.84	3.90	3.13	6.19	2.14	6.84	5.95	4.92	1.37	3.27	1.94	1.46	43.95
Ebensburg	1.17	3.11	3.54	6.94	2.20	8.63	4.55	3.30	2.02	1.73	2.91	0.82	40.92
Elk Lick	3.80	3.00	5.45	7.23	1.62	9.66	4.51	3.08	2.43	2.30	3.61	1.77	48.46
Emporium	2.02	4.60	2.88	6.86	2.17	8.39	5.27	6.01	1.76	3.11	3.36	1.46	47.89
Ephrata	2.71	3.89	2.74	4.98	1.92	9.43	3.65	4.75	3.37	0.77	1.59	0.76	40.56
Erie	1.85	1.62	2.16	2.57	0.65	3.96	3.63	3.89	3.43	3.38	3.88	0.66	31.68
Falls Creek	1.74	4.13	3.34	5.22	1.84	8.91	5.66	4.29	1.42	2.36	4.12	1.42	44.45
Forest City	2.00	2.86	1.81	5.60	4.24	9.62	5.71	5.28	2.28	1.23	1.67	0.73	43.03
Franklin	2.38	2.55	3.41	3.28	4.54	5.79	6.79	5.03	1.07	4.08	3.11	2.10	44.13
Freeland	3.64	4.50	4.47	6.94	2.63	10.34	5.51	4.75	2.31	1.89	2.15	1.31	50.44
Freeport	1.28	3.95	4.04	4.67	2.40	6.97	8.16	1.98	1.29	1.91	2.40	2.02	41.07
George School	1.69	3.74	2.27	5.66	2.38	5.37	6.21	4.54	4.07	1.48	1.51	1.62	40.54
Gettysburg	2.01	3.38	3.60	7.29	2.24	9.74	4.93	5.84	5.73	1.38	2.01	1.08	49.23
Girardville	3.08	4.48	4.05	6.32	2.44	9.82	3.13	3.77	3.36	1.50	2.68	0.69	45.32
Gordon	2.40	4.76	3.84	7.11	2.75	9.24	5.20	4.95	2.84	1.51	2.40	1.15	48.15
Gouldsboro	1.90	3.13	2.41	3.30	2.69	10.10	5.87	3.74	2.89	1.24	1.99	1.46	40.72
Graterford	2.04	4.01	2.46	5.82	3.70	6.23	6.83	5.29	3.30	1.21	1.90	0.91	43.70
Great Bend	------	------	------	------	------	9.05	3.44	3.92	------	------	------	------	------
Greensburg	1.68	3.37	4.14	5.92	2.02	7.36	5.73	5.25	1.77	1.85	2.54	1.39	43.02
Greenville	2.07	3.13	3.17	3.28	2.52	6.57	6.62	3.62	1.16	3.49	4.18	1.12	40.93
Grove City	2.19	3.59	4.13	2.87	2.24	7.56	6.62	3.92	1.21	4.55	4.23	1.17	44.28
Hamburg	2.90	3.47	2.30	5.27	2.50	8.53	4.71	4.47	2.70	0.43	2.24	0.86	40.38
Hanover	------	------	3.42	6.87	2.38	9.05	7.50	4.85	3.91	0.96	1.73	1.20	------
Harrisburg	2.65	3.46	3.56	6.22	2.22	8.16	5.20	3.64	2.86	0.80	2.25	0.62	41.64
Harrisburg (east)	2.47	3.53	3.55	6.30	2.40	8.33	5.02	3.83	3.25	0.95	2.35	0.72	42.70
Harrisburg (north)	2.10	3.45	3.53	6.80	2.61	7.62	4.57	4.03	3.18	0.86	2.20	0.70	41.65
Hawley	2.23	3.62	2.88	5.95	2.52	8.22	4.18	10.87	1.98	0.75	1.68	0.97	45.25
Herrs Island Dam	1.47	3.15	4.53	4.42	1.26	7.77	4.72	2.79	0.93	1.42	1.74	1.75	35.95
Hollisterville	1.96	2.67	3.20	5.22	2.87	9.03	6.94	5.67	2.40	0.88	1.54	1.17	43.55
Holtwood	2.58	3.11	2.20	5.34	1.87	6.38	3.80	10.12	3.25	0.74	1.26	1.28	41.93
Huntingdon	2.03	2.58	4.54	7.07	0.92	6.37	5.45	4.06	1.61	1.86	1.27	1.28	39.04
Hyndman	1.70	1.63	2.88	7.00	1.03	5.40	4.88	3.15	2.43	1.20	2.10	0.63	34.03
Ingram	1.51	3.95	5.06	4.98	1.49	10.01	5.36	2.90	1.31	1.70	2.55	1.52	42.34
Irwin	1.20	3.05	3.48	4.55	2.54	5.83	4.78	3.31	1.45	1.92	2.05	1.22	35.38
Johnstown	2.39	4.46	4.82	7.80	1.66	7.76	------	3.39	2.03	1.85	4.03	1.24	------
Kregar	2.24	4.19	4.33	6.98	2.27	7.21	7.06	2.97	2.76	1.76	3.57	1.81	47.15
Lakeville	1.77	2.84	3.40	6.77	2.23	10.00	6.02	9.07	2.29	0.69	1.53	1.16	47.68
Lancaster	3.44	4.28	2.72	5.23	2.38	8.41	3.89	4.49	4.06	1.06	2.13	0.99	42.88
Lansford	2.10	3.16	2.13	5.31	3.90	11.06	4.48	4.10	2.65	1.10	1.58	1.33	42.90
Lawrenceville	0.82	1.75	1.71	3.53	2.48	6.02	3.83	3.54	1.19	2.22	2.15	0.28	29.52
Lebanon	2.27	3.81	2.54	5.50	2.89	7.10	2.91	5.78	2.66	1.89	1.68	0.97	40.00
Lewisburg	1.95	3.09	3.82	7.00	1.74	7.98	2.98	4.62	2.45	0.68	1.49	0.43	38.23
Linesville	2.66	2.84	2.61	2.76	1.97	7.46	4.35	2.55	2.00	4.29	3.42	------	------
Lloyd	0.96	2.72	------	3.06	1.93	6.00	------	------	------	------	2.37	------	------
Lock Haven	1.81	2.91	3.10	6.64	2.18	8.03	4.64	4.47	1.77	1.05	1.61	0.57	38.78
Lock No. 4 (Ohio River)	1.63	3.25	3.90	5.53	1.52	6.63	4.84	3.39	1.75	1.80	2.01	2.12	38.37
Lycippus	1.75	3.97	4.90	6.62	2.81	8.45	6.45	2.49	2.19	2.17	3.40	1.38	46.58
Lykens	2.16	3.65	3.44	7.34	1.88	9.80	2.58	4.89	2.49	1.62	2.47	0.78	43.10
Manch Chunk	2.83	3.88	3.49	7.30	1.74	11.81	6.82	5.62	3.02	0.80	2.14	0.70	50.15
Meadville	------	------	------	------	------	------	------	------	2.18	4.34	3.85	1.02	------
Mifflintown	1.33	2.56	3.98	6.84	1.81	8.78	6.91	3.24	2.23	1.51	1.42	0.56	40.67
Montrose	2.32	3.27	2.05	5.07	3.31	9.90	5.22	9.09	2.49	3.82	2.55	0.57	49.46
Morris Run	1.38	2.63	2.27	4.77	4.23	9.53	4.35	5.08	1.35	1.96	2.67	0.31	40.53
Mount Lebanon	1.28	3.66	3.90	4.45	1.46	9.78	6.01	3.13	1.76	1.77	2.55	0.83	40.58
Mount Pocono	------	------	3.57	3.60	1.41	11.16	8.19	5.86	4.35	0.97	2.10	0.29	------
Muncy Valley	1.84	2.99	2.00	6.14	2.63	7.87	7.58	3.24	1.92	1.66	1.66	0.68	40.21
Narberth	3.18	------	------	------	------	7.84	------	------	------	1.10	2.13	1.98	------
Natrona	1.41	3.82	4.12	4.68	2.05	8.10	6.06	2.74	1.06	2.12	2.70	2.18	41.04
Neshaminy Falls	1.94	3.80	2.48	5.15	2.73	6.66	6.78	4.48	3.52	1.22	1.49	1.87	42.12
New Castle	2.17	3.73	4.41	2.68	1.76	8.55	6.62	5.07	0.94	3.34	3.64	1.77	44.68
Newell	1.08	2.54	3.05	4.68	1.90	5.62	3.57	2.95	1.86	1.35	2.10	1.51	32.21
New Park	2.23	3.99	1.67	6.86	1.74	7.94	4.77	10.24	4.20	1.03	2.06	1.09	47.82
Palmerton	1.97	2.78	2.60	4.71	1.84	7.49	3.61	4.71	2.59	0.55	2.27	0.40	35.52
Parkers Landing	2.50	4.20	4.11	3.36	2.01	7.05	6.91	6.57	0.98	3.90	2.81	2.37	46.77
Paupack	1.96	2.98	3.29	6.39	2.46	9.00	4.84	6.53	2.51	0.86	1.23	0.89	43.03
Penn Line	2.54	2.79	2.37	2.99	1.74	6.71	4.41	2.46	2.39	3.91	3.19	0.73	36.23
Philadelphia (Weather Bureau)	1.91	4.00	2.10	5.55	2.19	6.77	3.60	5.47	3.61	0.73	1.94	1.50	39.37
Philadelphia (Germantown)	2.35	4.39	2.02	5.15	2.33	6.44	4.97	5.94	3.19	0.98	1.83	1.89	41.58

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Pennsylvania—Continued													
Philadelphia (Navy Yard)	2.06	4.03	2.11	4.85	1.91	5.95	3.21	5.18	3.56	1.34	1.60	1.98	37.78
Philadelphia (Point Breeze)	2.33	3.88	1.95	5.46	-------	5.59	2.37	5.91	3.63	0.71	2.43	1.40	-------
Phoenixville	2.64	3.22	2.79	5.28	2.08	4.75	4.45	4.85	4.62	1.08	1.57	-------	-------
Pine Grove	2.97	4.20	2.67	6.01	1.98	10.98	3.18	4.55	2.89	1.14	2.39	0.69	43.65
Pittsburgh	1.30	3.07	4.25	4.05	1.09	7.73	4.93	3.10	1.02	1.22	1.91	1.18	34.85
Pleasant Mount	3.61	3.68	3.18	6.58	4.31	10.53	6.24	6.46	2.05	1.49	2.75	0.79	51.67
Pottstown	2.54	3.91	2.51	6.51	3.28	5.13	6.38	7.20	3.06	0.95	1.51	1.25	44.28
Pottsville	2.43	3.68	4.07	5.55	2.36	11.90	3.89	3.67	2.43	0.75	2.47	0.92	44.12
Quakertown	2.81	4.23	3.35	5.79	3.65	5.63	11.81	5.96	2.81	0.84	1.70	1.44	50.02
Reading	3.10	4.30	2.92	5.95	2.76	6.18	5.04	4.82	3.19	1.81	2.03	0.76	42.86
Renovo	1.63	3.48	2.52	6.30	1.81	8.44	6.43	3.01	1.40	2.33	1.28	0.85	39.48
Ridgway	1.64	3.89	2.32	4.51	1.74	7.25	8.49	3.89	1.69	3.22	4.05	1.21	41.00
Saltsburg	1.75	4.11	2.83	5.73	1.53	10.23	4.98	2.90	1.52	2.25	2.09	1.37	41.29
Scranton	1.40	2.16	2.05	3.03	2.63	6.76	8.57	6.04	1.82	0.66	1.88	0.49	39.49
Selinsgrove	0.95	3.62	3.44	5.43	1.84	7.77	4.11	4.26	1.34	0.99	1.29	0.66	35.70
Sharon	1.53	2.74	2.17	2.11	1.83	8.29	5.74	7.51	6.87	2.59	3.23	1.02	39.63
Shawmont	2.66	4.02	2.60	5.84	1.83	7.84	5.31	7.38	3.63	1.11	1.49	2.03	45.74
Snow Hill	3.70	3.95	3.69	6.13	2.38	10.89	6.94	5.55	3.03	0.75	3.09	0.68	50.78
Somerset	1.08	2.64	4.06	9.82	1.46	6.35	4.97	4.25	2.40	1.58	3.11	1.00	42.72
Springdale	1.76	4.10	4.77	4.81	1.43	9.95	5.71	7.51	1.19	2.20	2.53	1.96	47.92
State College	2.70	2.37	4.26	6.02	1.01	7.18	5.53	3.51	1.52	1.11	2.10	0.58	38.79
Stroudsburg	2.26	4.29	2.74	5.54	1.81	10.10	7.38	6.24	3.33	0.46	2.52	1.49	48.16
Sunbury	2.26	3.46	3.63	7.08	1.41	7.32	4.81	4.62	1.90	0.90	1.05	0.77	39.21
Tionesta	1.90	1.80	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
Towanda	1.63	2.26	2.51	5.23	2.84	8.46	2.82	2.65	1.03	1.20	1.37	0.32	32.32
Uniontown	1.74	2.99	3.85	6.88	2.60	5.87	4.48	4.49	1.62	1.25	3.07	1.98	40.82
Unity Reservoir	2.22	4.61	4.72	6.29	2.35	6.49	6.14	4.85	2.26	1.97	3.21	1.54	48.65
Vandergrift	1.19	3.74	4.17	5.37	1.61	8.91	8.55	3.30	1.08	2.50	2.80	1.06	44.28
Warren	2.71	2.70	2.71	3.63	1.54	8.01	4.91	3.82	1.51	5.24	3.98	1.76	42.52
Washington	1.22	3.66	4.09	-------	1.75	7.04	8.61	-------	-------	-------	-------	-------	-------
Weikert	1.84	2.00	3.16	8.14	3.23	8.73	4.78	3.92	2.27	1.02	2.20	0.30	41.80
Wellsboro	0.78	1.94	3.17	4.74	2.32	6.69	4.65	3.50	1.75	1.94	2.07	0.36	33.89
West Chester	2.85	-------	3.10	5.35	3.21	13.14	4.47	5.77	4.83	0.80	2.12	1.66	-------
Westford	2.19	2.30	2.30	2.32	2.29	6.67	4.20	1.97	1.65	4.35	5.71	1.07	37.02
Westgrove	-------	-------	-------	-------	2.80	7.09	5.45	8.67	-------	-------	-------	-------	-------
West Newton	1.51	2.67	3.51	4.68	2.81	6.83	5.21	3.41	1.16	1.49	2.03	2.03	36.34
Wilkes-Barre	2.11	3.10	2.48	6.93	2.94	9.78	6.01	4.31	1.58	1.76	1.83	1.24	44.07
Williamsport	2.16	3.86	3.15	6.74	3.05	8.60	8.02	4.10	2.64	0.87	1.32	0.63	46.14
York	2.20	3.27	2.88	6.94	1.75	8.34	4.14	5.06	4.55	0.91	1.39	0.92	42.35
York Haven	4.48	3.11	2.28	6.48	5.10	8.43	5.06	3.72	3.86	0.78	1.22	1.32	48.84
Zellenople	1.87	3.41	3.03	2.86	1.08	8.04	6.66	2.49	0.78	2.67	2.01	2.01	36.91
Porto Rico													
Adjuntas	3.26	0.96	5.39	2.73	17.97	3.69	6.58	13.13	43.48	11.08	6.66	5.58	120.51
Aguirre	0.23	0.95	1.17	1.31	6.85	2.09	3.97	6.31	8.76	4.87	7.32	3.21	47.04
Arecibo	2.80	-------	-------	-------	-------	5.00	-------	-------	[9.83]	3.83	9.79	10.90	-------
Barceloneta	6.47	2.47	0.80	0.99	15.33	3.50	4.36	6.88	[10.58]	3.19	11.62	5.41	71.60
Barros	5.83	1.48	2.98	1.29	12.32	1.32	2.92	10.46	24.00	2.88	6.61	7.53	79.62
Bayamon	4.61	1.73	0.96	2.20	10.34	3.44	7.51	8.38	14.85	5.27	6.73	7.48	73.50
Cabo Rojo	2.84	8.22	2.93	0.80	10.40	1.40	7.06	11.96	11.32	11.20	11.50	2.40	82.03
Caguas	2.95	1.30	1.55	1.48	12.14	1.29	3.72	9.15	[18.59]	7.70	5.78	8.59	74.24
Camuy	5.38	3.15	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
Canovanas	6.41	3.47	2.84	1.20	11.35	4.13	12.99	11.11	[13.82]	4.85	7.26	8.96	88.59
Carite Camp	3.17	4.06	2.16	2.62	10.24	4.71	6.91	10.88	20.55	9.46	9.88	6.91	91.55
Cayey	2.89	1.84	2.16	1.32	6.88	1.78	4.61	16.51	[18.00]	4.35	5.82	4.80	70.96
Cepero	5.71	2.02	2.77	1.93	7.62	3.88	10.24	7.63	15.18	5.23	7.89	8.26	78.56
Cidra	3.83	2.90	3.01	1.57	12.80	3.90	6.33	17.25	[17.59]	8.10	7.00	6.35	90.63
Coamo	0.07	0.51	0.60	0.00	5.18	1.98	1.97	20.94	[10.26]	2.92	4.41	1.88	40.72
Coloso	1.70	0.20	2.90	3.50	17.68	7.90	4.75	13.70	20.87	10.60	10.80	3.20	97.80
Comerio Falls	5.89	1.21	2.13	1.38	4.92	1.29	4.65	10.64	[18.23]	8.00	4.92	6.94	70.20
Corozal	8.08	1.86	0.99	0.16	9.60	2.35	7.28	12.59	[18.00]	6.00	5.67	9.11	81.63
Dorado	5.45	2.80	1.72	2.38	12.67	4.00	9.75	9.35	18.05	2.82	10.65	7.90	87.54
Ensenada	0.23	0.11	0.82	0.61	9.07	0.77	2.87	9.16	4.00	2.38	3.23	1.57	34.82
Fajardo	2.91	1.62	1.49	1.25	11.71	1.77	4.64	8.13	15.08	7.23	10.50	5.79	72.72
Guayabal Reservoir	0.13	0.83	1.22	4.47	10.80	1.85	1.18	9.14	14.55	11.19	4.93	4.31	64.60
Guayama	0.71	1.19	2.22	1.64	10.06	1.93	3.26	4.11	16.06	4.93	8.20	4.88	59.19
Humacao	2.59	3.01	1.51	1.90	14.08	3.59	6.26	7.80	10.39	11.54	11.34	6.84	80.85
Isabela	2.10	2.45	1.00	0.20	11.00	2.70	2.35	7.55	[10.81]	4.00	7.50	4.20	55.86
Jajome Alto	2.99	2.25	2.44	1.53	11.57	5.91	7.19	12.76	13.25	8.71	4.68	9.95	83.23
Jayuya	2.18	0.39	3.18	2.05	15.89	1.23	3.89	8.65	[18.00]	5.74	4.31	4.75	70.23
Josefa	0.37	1.16	1.91	1.17	7.62	2.12	-------	-------	-------	-------	-------	-------	-------
Juncos	2.50	0.65	1.29	1.29	11.12	1.59	5.08	9.37	[17.06]	5.74	3.08	1.35	60.72
La Isolina	6.35	1.34	1.84	2.91	13.15	2.42	7.78	8.41	16.34	4.88	8.22	6.96	80.63
Lares	2.85	0.90	2.74	5.58	13.80	5.45	7.39	11.59	26.75	16.57	11.74	6.65	112.01
Manati	6.66	2.20	0.77	0.36	9.20	3.15	3.50	6.13	9.58	2.74	7.69	7.97	59.95
Maricao	5.50	2.80	5.00	0.80	17.00	6.00	13.85	19.80	[26.85]	21.90	12.80	6.80	139.10
Maunabo	2.64	2.12	2.78	3.00	6.80	3.39	4.00	7.05	-------	-------	-------	-------	-------
Mayaguez	1.40	1.50	4.65	4.40	17.45	4.15	8.88	13.10	24.40	17.35	9.00	6.00	112.28
Mona Island	1.24	0.49	2.41	2.43	7.76	0.63	1.76	5.64	8.19	1.64	7.22	3.94	43.35
Patillas Dam	1.53	2.24	1.79	2.35	7.58	3.42	4.21	4.77	[16.48]	8.37	6.30	6.13	65.17
Penuelas	0.15	0.45	2.30	1.93	8.86	-------	-------	-------	-------	-------	-------	-------	-------
Ponce	0.00	0.34	0.77	0.58	3.94	1.17	2.46	5.16	9.41	4.21	5.58	3.02	36.64
Potala	0.07	0.25	1.88	1.98	5.95	1.29	2.23	12.72	9.83	6.00	6.22	-------	-------
Rio Grande	5.89	2.92	3.16	0.20	5.12	4.98	10.30	8.12	29.97	5.78	7.60	13.23	97.27
Rio Piedras	5.82	2.06	1.57	1.83	5.86	3.54	11.01	7.08	16.31	8.25	7.01	9.52	79.86
San German	2.12	0.55	2.00	0.97	14.56	2.75	4.02	15.25	[11.74]	8.64	9.36	2.02	73.99
San Juan	3.87	2.89	1.67	0.83	9.19	2.58	8.58	10.39	[13.68]	2.47	8.21	4.75	69.11
San Lorenzo (town)	2.18	3.14	3.47	2.68	14.27	3.54	4.35	9.73	18.66	8.30	8.13	7.43	85.88
San Lorenzo (Valdez Farm)	2.11	2.39	2.80	0.60	10.90	1.64	2.43	-------	-------	-------	-------	-------	-------
San Sebastian	8.39	1.68	4.29	8.15	17.66	8.01	9.86	12.77	[20.00]	14.70	13.38	6.31	125.40
Santa Isabel	0.21	0.53	1.59	1.90	5.54	1.92	1.75	10.85	7.25	8.20	5.73	4.73	50.20
Santa Rita	0.00	0.00	1.18	1.10	8.20	0.35	0.40	11.48	[4.00]	-------	-------	-------	-------
Toro Negro Reservoir	5.01	1.66	2.56	1.61	13.45	4.25	2.42	11.62	14.02	14.60	15.87	8.27	95.34
Utuado	-------	-------	-------	-------	-------	-------	-------	9.34	[15.99]	4.39	6.07	5.88	-------
Vieques (Santa Maria)	2.92	1.63	0.60	0.30	0.60	0.96	2.19	5.49	[12.00]	4.16	5.87	2.45	38.18
Vieques (Sugar Co.)	1.80	0.50	0.65	0.45	1.15	1.80	3.20	6.05	[12.00]	3.20	4.65	2.09	36.54
Yabucoa	3.38	4.26	4.35	2.56	12.20	4.04	6.46	8.16	[18.98]	10.40	10.91	8.06	93.75

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Rhode Island													
Block Island	1.85	4.15	3.21	3.97	1.40	4.42	3.08	2.01	7.50	1.75	2.58	2.85	38.77
Kingston	2.93	4.14	3.54	6.39	1.31	5.64	4.66	1.29	7.76	3.94	2.51	4.37	48.48
Pawtucket	2.62	4.33	2.96	5.17	1.80	4.28	5.63	3.23	4.64	3.77	2.43	3.10	44.02
Providence	2.27	2.85	2.64	3.69	1.18	3.70	5.00	4.03	3.25	3.63	2.13	2.87	37.24
South Carolina													
Aiken	1.70	6.36	4.52	6.20	6.74	3.89	9.87	7.19	13.17	1.41	0.29	2.54	53.88
Anderson	2.50	3.45	5.54	5.60	7.91	4.59	2.90	12.24	5.52	1.63	0.95	0.86	53.69
Beaufort (near)	0.72	9.52	6.73	3.42	2.24	5.57	5.95	1.99	12.62	1.27	0.18	1.65	51.86
Blackville	------	------	------	6.32	5.26	4.03	6.26	10.39	13.68	0.70	0.09	2.43	------
Blairs	1.10	4.01	3.95	7.01	7.49	4.56	4.48	12.22	9.60	1.63	0.42	1.49	57.96
Caesar's Head	2.86	4.23	6.66	7.50	5.71	10.36	6.16	20.02	8.33	6.61	3.11	5.14	86.69
Calhoun Falls	1.37	3.35	4.53	6.95	5.40	3.68	7.41	12.57	4.63	2.41	1.07	0.89	54.26
Camden	1.26	6.23	4.10	10.65	4.87	13.94	5.87	8.12	23.29	2.10	0.24	2.74	83.41
Catawba	1.72	3.86	2.95	5.34	3.64	4.29	1.60	10.49	11.47	1.13	0.40	1.32	48.21
Chappells	1.37	3.79	3.37	6.65	8.47	4.68	6.65	12.19	10.56	2.58	0.58	1.68	62.77
Charleston	0.43	7.44	3.08	2.54	1.05	2.75	5.16	2.82	14.30	1.07	1.03	1.09	42.76
Cheraw	1.26	5.63	3.02	7.00	4.96	5.44	3.34	5.16	15.19	2.20	0.18	2.73	56.11
Cherokee (near)	------	3.42	4.17	4.65	4.20	7.72	5.63	19.75	8.18	0.91	1.05	0.81	------
Chester	------	------	------	------	------	------	------	------	9.90	1.87	0.90	2.84	------
Clemson College	3.10	3.67	4.54	5.75	8.87	5.95	5.24	8.87	3.97	2.26	0.99	1.25	54.46
Columbia	0.83	5.41	2.90	6.39	5.33	2.79	9.78	10.19	14.64	1.70	0.21	1.82	61.99
Conway	1.10	6.54	2.80	7.31	6.70	5.23	7.42	6.04	14.63	1.72	1.41	2.37	63.27
Crescent	2.50	3.30	4.90	5.96	4.70	5.99	3.11	15.93	9.63	1.21	0.28	1.03	58.54
Darlington	1.13	7.51	4.53	4.10	4.43	5.57	2.67	4.95	20.53	2.35	------	2.00	------
Due West	2.30	2.65	4.15	5.96	6.42	3.89	2.44	13.90	4.03	1.78	0.76	1.20	49.48
Edgefield	2.80	4.65	2.23	6.81	5.99	4.18	10.74	10.23	------	1.70	0.49	1.92	------
Effingham	1.35	6.82	3.19	8.07	6.08	8.38	8.69	7.50	25.30	3.20	0.88	2.88	82.64
Ferguson	1.51	5.18	3.79	8.15	5.31	3.71	7.66	9.41	17.77	1.24	1.12	2.42	67.27
Florence (No. 1)	1.37	6.36	3.68	6.47	7.00	6.85	11.24	5.41	21.33	2.73	0.74	3.35	76.53
Florence (No. 2)	0.99	6.13	3.59	5.37	6.12	5.30	12.82	4.99	20.96	2.92	0.76	3.60	73.55
Garnett	0.61	8.44	4.73	8.74	4.16	5.41	7.34	8.64	16.38	1.16	0.29	1.27	67.17
Gaston Shoals	1.90	3.97	4.91	5.32	6.21	6.69	7.43	13.04	10.42	1.07	0.24	1.09	62.29
Georgetown	0.75	9.01	2.32	6.77	1.90	5.81	7.33	8.84	14.78	------	------	------	------
Greenville	2.99	3.30	4.24	5.66	4.47	4.36	7.58	13.36	3.94	1.84	0.88	1.51	54.13
Greenwood	1.91	3.96	3.59	6.20	6.68	4.10	4.42	14.68	4.74	2.11	0.56	1.30	54.25
Heath Springs	1.00	4.34	2.45	7.34	3.68	6.51	3.50	7.98	11.26	1.47	0.50	1.66	51.69
Hogback Mountain	------	------	------	------	6.70	------	------	------	------	------	------	1.87	------
Kershaw	1.35	5.16	2.85	6.40	4.78	5.86	1.57	10.64	14.41	1.18	0.33	2.20	56.73
Kingstree	1.25	5.28	2.77	7.49	3.59	4.25	10.92	7.22	17.95	2.23	0.99	2.75	66.79
Landrum	1.61	3.22	6.00	5.21	4.96	8.65	9.30	15.39	8.01	1.68	1.45	1.30	66.79
Laurens	2.41	3.31	4.53	7.21	7.50	5.83	7.30	14.73	5.06	1.47	0.79	0.61	60.75
Little Mountain	1.15	4.72	2.50	6.30	6.66	3.59	6.73	17.16	12.10	1.38	0.56	1.79	64.04
Lockhart	1.73	3.23	4.11	6.09	3.43	------	------	------	------	------	------	------	------
Marion	1.66	4.12	3.65	6.60	7.65	2.71	13.34	5.48	27.06	3.44	1.13	2.17	79.03
Mars Bluff	0.82	5.94	3.10	7.51	7.96	4.66	9.85	6.77	20.02	2.74	1.07	3.16	73.60
Newberry	0.84	4.40	3.30	5.74	6.20	3.68	5.68	15.71	7.60	2.29	0.86	2.17	58.47
Orangeburg	1.07	6.00	2.69	6.40	5.57	9.59	6.24	5.59	16.99	1.92	0.10	2.38	64.54
Pelzer	2.66	3.78	5.34	6.06	6.09	5.98	4.94	11.60	4.38	2.04	0.44	1.60	54.91
Pinopolis	0.91	5.66	3.57	6.25	3.14	6.45	8.78	7.80	9.85	0.96	1.53	1.76	56.66
Rimini	0.10	5.46	1.20	6.30	2.68	4.30	7.31	6.90	18.89	1.45	0.37	2.86	57.82
Saluda	0.65	3.80	3.23	6.12	8.86	4.63	5.00	13.19	8.45	1.55	0.52	1.80	57.80
Santuck	1.66	3.75	3.75	7.01	5.34	8.48	1.34	15.52	10.52	3.44	0.51	1.31	62.63
Society Hill	1.17	6.17	3.39	7.53	4.47	5.38	5.60	6.06	14.08	2.06	0.63	2.12	58.66
Spartanburg	1.77	3.40	4.92	5.70	4.45	5.17	5.65	16.50	8.00	1.48	0.36	1.66	59.06
Summerville	0.66	7.96	4.85	6.31	2.06	6.21	10.73	4.48	16.15	0.62	1.11	1.64	65.78
Trenton	1.12	4.58	2.79	7.52	5.17	5.39	9.45	11.26	12.06	1.72	0.57	2.11	63.74
Walhalla	3.20	3.40	5.53	5.51	5.31	5.66	12.64	12.88	4.04	3.85	1.26	1.10	64.38
Wedgefield	1.10	6.25	3.84	7.15	3.83	4.13	6.87	12.29	17.82	1.35	0.05	2.70	67.38
Winnsboro	1.15	4.12	3.24	6.60	4.06	6.89	3.28	11.18	11.53	0.99	0.67	1.85	55.56
Winthrop College	0.55	4.00	3.93	5.30	3.46	6.76	1.69	10.75	9.89	1.20	0.34	0.91	48.78
Yemassee	0.88	7.85	4.64	7.24	2.59	4.97	9.96	6.10	15.75	2.38	0.45	1.16	63.97
South Dakota													
Aberdeen	0.41	0.34	0.31	1.59	0.49	2.92	3.76	3.85	1.56	1.89	1.17	0.50	18.79
Academy	0.00	0.65	1.15	0.21	1.84	3.50	0.88	2.50	0.51	1.92	1.36	0.00	14.52
Alexandria	T.	1.00	1.00	0.89	1.49	3.65	2.35	3.82	3.12	1.95	1.36	0.07	20.70
Ardmore	0.23	0.28	0.49	0.27	1.52	3.67	3.63	0.76	0.30	0.55	0.14	0.16	12.00
Arlington	------	------	------	------	------	------	------	------	------	2.08	1.10	0.17	------
Armour	T.	1.19	------	0.63	1.69	3.08	2.36	3.50	0.88	3.07	0.89	0.20	------
Ashton	0.04	0.19	0.11	1.14	0.69	3.25	2.64	3.55	1.17	1.91	1.02	0.18	15.89
Belle Fourche	0.25	0.03	0.76	0.71	2.09	3.98	3.00	0.91	1.65	0.45	1.23	0.04	15.10
Belvidere	0.12	0.10	1.31	0.62	2.16	2.43	3.43	0.79	0.52	2.36	0.91	0.20	14.95
Bowdle	0.15	0.20	------	2.12	0.28	4.16	4.55	4.81	1.12	1.41	1.50	0.20	------
Britton	0.28	0.19	0.30	0.75	0.98	3.34	3.76	6.39	2.42	1.80	0.78	0.23	21.22
Brookings	0.09	0.30	0.44	0.96	0.53	2.97	2.69	4.52	1.37	1.68	0.78	0.15	16.48
Camp Crook	0.50	0.00	0.80	0.22	0.75	3.42	3.38	1.45	1.55	0.55	0.15	T.	12.77
Canistota	0.01	1.56	0.76	0.86	2.38	4.96	3.99	3.63	1.75	1.94	1.57	0.12	23.53
Canton	T.	1.95	1.78	1.27	2.37	5.46	2.48	------	------	3.51	0.90	0.25	------
Castlewood	0.21	0.21	0.34	0.69	0.54	3.16	6.31	4.21	1.81	1.42	0.74	0.22	19.86
Cedar View	0.01	0.13	2.61	0.63	2.05	2.91	3.19	1.07	0.96	2.25	0.50	0.02	16.33
Centerville	0.15	2.97	1.57	0.52	2.62	3.67	1.68	5.45	1.27	2.80	0.50	0.20	23.40
Clark	0.25	0.48	0.12	0.79	0.85	3.00	1.33	5.90	0.97	2.23	1.22	0.21	17.35
Cottonwood	0.03	0.13	0.86	0.35	1.14	3.85	3.11	0.94	1.65	1.19	0.77	0.04	14.06
Crow Creek	0.78	1.67	0.91	0.42	1.20	3.40	0.94	1.83	0.94	1.29	0.52	0.21	14.11
Custer	0.17	0.04	0.66	0.24	2.40	4.88	5.59	1.24	1.99	0.10	0.42	0.18	17.91
Deerfield	0.44	0.26	0.70	0.68	3.50	4.71	5.37	0.72	1.84	0.56	0.68	0.48	19.89
DeSmet	------	------	------	------	------	------	------	2.79	2.58	2.13	1.54	T.	------
Dowling	T.	0.05	0.49	0.60	1.45	6.10	1.42	1.50	1.49	0.78	0.40	0.10	14.38
Dumont	0.73	1.17	1.57	2.92	2.99	4.37	4.17	1.40	2.52	0.46	0.72	0.58	23.60
Dupree	0.34	0.10	1.44	0.92	0.73	5.62	3.37	1.97	3.01	0.47	0.38	T.	18.35
Eales	0.13	0.10	0.33	0.76	0.44	4.31	2.80	2.62	0.40	1.18	1.20	0.25	14.57
Elm Springs	T.	T.	0.25	0.80	1.40	4.37	1.00	1.58	1.20	0.10	------	------	------
Eureka	0.36	0.07	0.13	1.31	0.11	4.57	3.68	2.56	3.30	1.15	0.52	0.11	17.86
Fairfax	0.05	1.25	1.48	0.10	3.15	2.57	2.74	1.02	0.47	2.25	1.60	T.	16.63
Faith	0.17	0.15	0.96	0.50	0.82	5.71	2.26	0.93	1.35	0.25	0.58	0.13	13.81
Faulkton	0.06	T.	0.06	1.07	0.37	3.33	2.48	3.98	0.81	1.83	1.30	0.10	15.38

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
***South Dakota*—Continued**													
Flandreau	T.	0.10	0.98	1.34	1.49	3.75	1.94	2.14	2.53	1.83	1.24	0.40	17.74
Forestburg	T.	0.74	0.35	1.25	0.97	4.59	5.08	1.99	2.13	1.96	1.88	T.	20.94
Gannvalley	0.05	0.45	0.50	0.95	0.73	3.57	2.65	1.54	1.60	1.98	0.91	0.05	14.98
Glenham	0.40	0.11	0.07	0.68	0.27	3.97	3.22	2.39	0.63	0.88	1.06	0.22	13.90
Gregory	0.05	0.29	0.85	0.39	1.95	4.06	1.54	2.21	0.78	1.65	0.62	0.02	14.41
Hardy Ranger Station	1.50	1.30	0.85	1.49	1.26	3.76	2.74	1.16	2.36	0.75	0.75	0.80	18.72
Harveys Ranch	1.15	1.30	1.45	1.65	1.90	6.15	3.23	1.55	3.80	0.45	1.10	0.55	24.28
Hermosa	0.05	0.00	0.33	0.31	2.93	5.78	2.96	1.97	1.72	0.11	0.56	0.34	17.06
Highmore	0.04	0.22	0.48	1.11	0.96	2.94	2.50	2.32	0.76	1.66	0.91	0.09	13.99
Hopewell	0.20	0.08	0.68	0.84	1.41	2.76	2.59	1.92	0.86	1.60	0.61	0.09	13.64
Hot Springs	0.30	0.40	0.90	1.20	1.59	3.22	4.16	1.03	1.06	0.10	0.45	0.40	14.81
Howard	0.02	0.58	0.36	1.21	1.31	4.57	3.67	2.41	3.57	1.79	1.11	0.11	20.71
Huron	0.02	0.59	0.28	1.27	1.25	6.50	2.28	2.14	1.30	1.28	1.07	0.09	18.07
Ipswich	------	------	0.10	1.62	0.21	3.64	3.58	3.11	0.79	1.31	1.30	0.07	------
Kennebec	------	0.44	0.95	0.49	2.13	3.60	0.79	1.51	1.01	0.83	1.04	0.20	------
LaDelle	0.05	0.75	0.33	0.83	1.55	4.59	2.45	------	1.33	2.46	1.78	0.25	------
Lead	0.58	0.55	1.09	1.67	3.23	6.47	3.10	2.10	2.37	0.97	1.22	0.53	23.88
Lemmon	0.24	0.15	0.60	0.80	0.99	5.36	2.71	2.71	1.72	0.42	0.00	------	------
Leola	------	------	------	------	------	------	------	3.19	2.95	1.21	1.08	0.04	------
Ludlow	0.15	T.	0.60	0.31	0.65	5.01	4.94	1.70	1.85	0.34	0.02	T.	15.57
McIntosh	0.18	T.	0.65	0.80	0.85	7.80	------	3.55	------	------	0.10	T.	------
McLaughlin	0.20	0.10	T.	1.01	0.87	5.76	------	------	------	------	1.11	0.15	------
Marion	T.	2.90	1.36	0.85	3.13	3.91	2.49	6.51	1.53	2.50	2.29	T.	27.47
Meadow	0.05	T.	0.70	0.50	------	5.45	------	------	------	------	------	T.	------
Mellette	0.08	0.20	T.	1.14	0.49	2.86	2.90	3.16	1.35	1.85	1.33	0.20	15.56
Menno	T.	2.44	1.24	0.70	2.43	3.69	1.52	8.03	1.36	3.08	2.29	0.27	27.05
Midland	0.08	0.04	0.84	0.43	1.78	2.73	1.54	0.92	0.46	2.40	------	------	------
Milbank	0.50	0.33	0.15	1.37	------	3.01	3.81	4.30	1.43	2.43	0.89	0.10	------
Miller	0.02	0.29	0.20	0.93	1.16	2.38	3.63	2.07	0.61	1.99	0.99	0.04	14.31
Mitchell	0.02	1.34	1.30	1.00	0.84	5.96	2.72	3.11	1.28	1.87	1.35	0.10	20.89
Mobridge	0.40	0.10	0.17	1.00	0.36	4.98	3.58	1.92	0.60	1.12	1.09	0.15	15.47
Murdo	0.08	0.05	1.02	1.38	3.41	2.98	2.27	1.00	0.73	2.70	1.09	0.11	16.82
Newell	0.16	0.07	0.79	0.35	1.81	3.38	4.89	1.44	1.65	0.80	0.57	0.04	15.95
Oelrichs	0.80	0.20	1.45	0.32	2.62	4.43	2.54	0.20	0.55	------	1.10	0.60	------
Onaka	0.00	0.40	0.30	1.28	0.33	3.60	4.98	7.60	0.95	1.90	1.25	0.10	22.69
Onida	0.04	------	0.50	0.61	0.80	4.37	5.49	1.89	0.33	1.93	1.05	T.	------
Orman	0.30	0.10	0.55	0.34	0.85	3.49	2.48	0.90	1.33	0.73	0.77	0.05	11.89
Ottumwa	0.00	0.00	0.75	------	------	2.56	0.74	3.13	0.01	1.13	0.55	0.40	------
Parkston	T.	1.36	1.23	0.56	1.93	2.77	3.14	6.59	2.20	2.79	1.20	0.08	23.85
Pierre	0.14	0.08	0.97	0.99	1.30	2.18	3.22	1.70	0.41	2.29	0.62	0.19	14.09
Pollock	0.42	0.10	0.09	0.99	0.25	4.05	3.12	2.96	3.13	0.43	1.46	0.10	17.10
Pukwana	T.	0.36	0.35	0.37	1.64	3.55	3.10	2.65	0.69	1.51	0.77	0.05	15.04
Rapid City	0.18	0.22	0.89	0.92	1.94	6.15	2.80	0.42	1.72	0.68	0.78	0.10	16.60
Redfield	T.	0.05	0.05	0.73	0.54	3.27	3.77	3.07	1.02	1.78	1.01	0.05	15.34
Redig	0.58	0.15	1.10	0.92	0.96	3.38	2.59	2.43	3.31	0.67	0.90	T.	16.99
Rochford	0.58	1.30	0.86	1.07	3.28	5.04	3.39	1.12	2.22	0.65	1.02	0.55	21.08
St. Francis	T.	0.02	------	0.27	1.95	3.61	2.90	1.39	0.66	2.74	0.30	0.14	------
Sioux Falls	0.06	1.33	0.70	0.71	2.31	6.97	1.90	5.61	2.95	2.28	1.10	0.31	26.23
Spearfish	0.50	0.12	0.82	2.30	2.73	3.84	3.30	1.03	1.44	1.48	2.04	0.28	19.88
Strool	0.53	0.39	1.96	0.34	0.61	3.56	2.85	1.93	4.99	0.21	0.12	T.	17.43
Timber Lake	0.39	0.03	0.30	1.33	0.64	7.58	3.04	2.06	0.92	0.48	0.77	0.12	17.66
Tyndall	0.04	1.94	1.36	0.27	2.25	2.95	1.29	4.86	2.14	3.96	1.63	0.18	22.87
Vale	0.17	0.05	0.86	0.68	1.60	3.90	4.14	0.95	1.13	0.47	1.14	0.07	15.16
Vermilion	T.	2.00	1.76	------	4.53	3.59	3.46	1.77	1.59	5.42	1.20	0.17	------
Victor	0.26	0.31	0.45	1.57	0.43	6.25	3.30	6.20	1.86	2.07	0.37	0.45	23.52
Vivian	T.	0.16	0.92	0.17	2.44	4.70	1.26	0.55	0.71	1.74	0.78	0.07	13.50
Wagner	0.05	2.54	2.94	0.52	1.08	2.54	2.19	2.65	2.36	2.78	0.94	0.12	20.71
Wasta (near)	0.20	0.00	0.21	0.12	1.17	5.75	1.94	0.65	------	------	------	------	------
Waters Ranch	0.46	0.50	0.93	2.07	2.26	3.88	4.58	1.52	1.83	0.58	0.37	0.16	19.14
Watertown	0.18	0.38	0.05	0.61	0.60	2.33	2.09	4.41	3.22	1.58	0.70	0.26	16.41
Webster	0.45	0.48	0.33	1.11	0.65	2.87	4.95	5.71	1.65	2.34	0.87	0.44	21.85
Wentworth	0.53	0.98	0.67	0.85	1.42	5.52	1.84	3.94	2.62	2.32	1.60	0.20	22.49
White Lake	T.	0.75	1.03	0.66	2.11	4.35	1.28	3.49	0.52	1.68	1.23	0.08	17.18
Winner	0.03	0.32	1.59	0.52	2.57	2.58	1.39	1.33	1.09	1.61	1.09	0.02	14.14
Wood	0.07	0.13	0.83	0.38	1.58	2.80	1.61	1.84	0.56	1.16	1.21	0.05	12.22
Yankton	0.02	2.47	1.43	0.22	3.63	3.50	2.22	2.22	1.42	3.08	1.44	0.10	21.75
Tennessee													
Ashwood	4.52	1.80	4.55	5.25	3.10	8.65	2.50	4.20	1.20	3.20	2.65	1.25	42.87
Bluff City	2.60	1.67	4.04	5.34	4.69	7.07	2.46	6.28	5.45	4.36	1.79	1.04	46.79
Bolivar	3.03	3.17	4.43	4.89	6.80	6.35	1.75	3.22	1.72	7.81	4.55	2.24	49.96
Bristol	1.99	0.92	4.41	5.11	4.63	6.81	2.30	6.39	4.59	4.38	2.75	1.29	45.57
Brownsville	3.27	2.75	3.13	5.17	3.39	6.90	0.64	7.10	2.23	5.47	3.34	2.94	46.33
Buffalo Valley	0.90	0.86	5.67	7.24	3.73	16.85	5.05	4.44	3.10	3.55	5.35	1.70	58.44
Carthage	2.59	1.64	4.35	6.12	3.55	14.09	3.38	4.97	2.14	3.94	3.91	1.74	52.42
Cedar Hill	4.53	3.65	3.41	4.90	5.08	15.02	3.50	4.38	0.10	4.70	3.10	2.16	54.53
Celina	3.34	2.01	5.82	7.20	5.21	11.21	5.34	7.58	1.22	3.75	4.03	1.33	58.04
Charleston	2.42	2.07	5.84	6.03	3.71	7.77	5.35	5.91	5.22	5.46	2.12	1.25	53.15
Chattanooga	2.38	2.62	5.24	7.79	4.39	7.69	6.85	4.66	3.32	5.04	4.18	1.52	55.68
Clarksville	3.29	2.36	2.64	4.99	5.50	15.37	2.57	5.79	0.36	5.37	3.09	1.95	53.28
Clinton	2.43	2.17	5.61	5.70	6.03	18.04	5.67	3.82	4.77	4.93	4.98	2.59	66.74
Coldwater	2.77	1.64	5.61	9.19	5.05	13.74	2.35	5.64	1.62	8.63	4.98	1.46	62.68
Cookeville	2.93	1.57	4.52	6.59	5.32	12.59	3.30	4.97	0.90	4.38	5.95	1.06	54.08
Copperhill	2.72	1.87	8.52	5.90	5.59	6.96	6.32	5.91	6.24	2.24	1.90	1.49	55.66
Covington	2.35	2.55	2.48	7.22	2.64	8.54	3.73	8.48	4.50	4.78	3.38	4.00	54.65
Crossville	------	1.79	4.20	6.99	4.50	8.46	7.11	5.27	1.57	------	------	------	------
Dandridge	2.51	2.12	5.47	4.74	6.56	7.65	3.54	3.59	6.48	3.19	1.87	2.14	49.86
Decatur	3.23	2.81	6.08	7.87	3.75	9.28	4.62	4.42	4.02	6.49	4.14	1.32	57.99
Dickson	3.08	2.98	3.27	5.22	5.27	12.74	4.49	9.50	0.37	7.84	4.54	2.40	61.70
Dover	2.94	2.87	2.63	4.74	5.34	16.86	2.20	6.96	0.17	7.68	2.75	2.47	57.60
Dresden	3.46	5.12	3.87	7.71	4.15	18.67	T.	2.32	T.	4.56	3.07	2.97	55.90
Elizabethton	3.32	1.80	5.09	4.85	6.98	8.76	2.62	7.76	7.61	6.08	2.54	1.60	58.91
Elkmont	4.15	1.94	4.00	7.15	7.10	8.82	7.23	10.36	4.51	------	------	------	------
Embreeville	2.35	1.11	4.84	4.58	9.04	8.80	4.14	6.03	6.80	4.00	1.18	1.51	54.38
Erwin	2.25	1.13	5.03	4.96	8.12	9.42	4.09	5.50	5.78	4.01	1.21	1.68	53.18
Etowah	2.94	2.21	6.31	4.64	4.45	7.69	2.93	5.16	4.98	4.06	2.94	1.04	49.35
Fayetteville	2.29	1.76	5.00	6.34	4.51	8.78	1.18	1.86	2.21	8.54	4.93	1.68	49.08

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Tennessee—Continued													
Florence	2.37	1.74	4.08	5.95	4.89	12.46	4.31	6.04	1.23	3.86	3.75	1.35	52.03
Franklin	3.35	1.96	3.66	5.46	4.61	11.93	2.74	5.37	1.84	6.94	2.86	1.43	52.15
Gatlinburg	2.99	0.97	3.97	4.93	9.76	9.01	4.88	9.64	------	4.41	1.32	1.00	------
Halls	3.52	2.75	3.24	7.02	2.73	7.51	3.10	6.35	1.23	4.89	2.77	3.64	49.65
Halls Hill	3.66	0.88	6.46	5.87	5.47	12.83	5.62	2.53	1.96	3.97	3.91	1.24	54.40
Hohenwald	3.24	2.52	4.72	5.96	3.67	8.20	2.02	6.73	1.88	5.30	3.73	1.59	49.56
Jackson	3.21	2.12	2.86	5.33	7.92	4.52	0.96	5.58	2.28	6.55	3.51	1.93	46.77
Jackson (No. 2)	3.41	3.32	3.51	6.19	6.00	4.99	1.08	9.08	0.05	6.50	4.29	2.48	50.90
Jefferson City	2.14	2.09	4.88	4.66	4.96	10.73	5.64	3.04	4.30	3.51	2.52	1.76	50.23
Johnson City	1.98	1.12	5.26	5.35	6.99	6.41	2.56	6.03	6.80	4.67	1.62	1.21	50.02
Johnsonville	3.69	2.84	3.42	5.66	9.52	13.34	2.90	4.42	1.70	9.40	4.22	1.56	62.67
Kenton	2.29	3.86	2.91	7.32	4.45	15.70	3.79	4.44	1.66	3.35	2.26	4.19	56.22
Kingsport	2.54	2.44	5.42	6.59	5.71	9.23	3.88	5.48	7.57	2.42	2.63	1.75	55.66
Kingston	2.23	2.44	4.94	6.26	4.40	12.81	2.98	4.94	3.68	5.38	4.58	2.48	57.12
Knoxville	2.27	2.40	4.79	5.54	6.17	11.83	2.56	4.58	3.02	3.81	3.43	1.15	51.55
Lebanon (near)	3.00	2.30	5.32	3.74	2.99	13.10	------	4.13	0.71	------	3.30	1.57	------
Lewisburg	3.27	1.36	7.16	6.36	2.06	8.21	2.29	3.97	0.54	3.00	3.74	1.01	42.97
Lexington	2.76	3.51	3.22	------	------	6.78	1.87	6.26	0.00	------	------	------	------
Liberty	3.89	1.54	5.81	6.18	3.92	13.60	7.44	3.61	2.87	4.13	5.06	1.31	59.16
Loudon	3.08	2.50	4.50	6.04	3.80	9.66	4.22	5.24	4.10	5.74	3.68	1.80	52.36
Lynnville	3.06	1.56	6.91	6.34	2.31	9.83	5.69	4.75	0.28	2.77	3.77	1.08	48.35
McGhee	3.58	1.83	5.56	6.20	4.74	10.16	4.31	4.42	4.58	4.64	3.00	2.06	55.08
McKenzie	2.51	3.26	2.38	6.06	5.70	14.01	1.94	5.86	0.74	6.72	2.87	2.80	54.85
McMinnville	3.79	1.35	6.56	7.62	3.02	11.36	4.22	5.48	1.15	6.53	5.29	1.09	57.46
Madison	2.81	3.34	3.87	3.74	3.73	11.66	3.38	5.54	1.07	8.86	3.11	1.71	52.82
Memphis	1.65	2.42	3.14	6.70	2.51	3.96	1.36	3.91	0.06	5.15	4.06	4.13	39.05
Milan	3.55	3.41	2.52	5.31	4.39	8.10	1.36	5.01	1.60	5.13	3.96	1.72	46.06
Moscow	2.33	2.09	5.51	6.04	4.66	5.93	1.78	3.01	1.77	4.98	4.61	1.93	44.64
Nashville	2.55	2.64	3.26	3.22	2.89	11.64	3.62	4.62	0.68	6.82	2.63	1.58	45.95
Newbern	3.89	2.54	1.53	7.76	4.58	10.85	1.70	4.68	0.50	5.08	2.58	2.89	48.58
Newport	3.11	1.74	5.33	4.38	8.65	7.56	3.61	4.10	7.48	3.45	1.48	2.81	53.70
New River	2.56	1.74	4.20	7.71	5.09	15.24	4.38	5.21	3.80	4.95	5.78	1.81	62.47
Palmetto	3.08	1.02	4.41	5.20	3.37	6.71	4.27	4.90	0.82	3.71	4.38	1.33	43.20
Parksville	2.10	1.07	4.08	4.83	3.86	6.45	3.71	3.17	7.07	2.47	1.99	0.55	41.35
Perryville	2.65	1.91	2.44	5.44	4.90	7.78	0.88	6.53	0.78	6.59	3.45	1.64	44.99
Pheasant Field	4.31	3.40	7.89	8.72	5.87	10.89	5.73	5.65	8.90	2.86	5.28	4.14	73.64
Reliance	2.72	2.01	------	------	------	------	------	------	------	------	------	------	------
Rock Island	3.60	1.50	6.86	7.68	2.74	8.34	4.42	3.72	0.86	6.04	6.00	1.25	53.01
Rockwood	2.49	2.58	6.27	5.81	4.92	11.17	4.89	4.31	3.56	5.92	6.17	1.85	59.94
Rogersville	2.09	1.78	4.46	4.27	4.80	9.75	3.48	2.68	7.05	5.27	1.96	2.29	49.88
Rugby	2.58	1.05	5.11	7.55	4.35	14.55	5.37	8.20	1.76	4.99	7.02	1.85	64.38
Savannah	2.97	3.08	5.23	5.33	5.42	8.93	3.83	4.11	1.15	5.54	3.03	1.50	50.12
Selmer	3.02	2.97	6.16	4.67	5.49	4.88	1.95	3.07	0.75	6.15	3.62	1.96	44.69
Sevierville	2.46	1.63	5.57	5.56	6.31	9.24	5.36	5.08	5.31	4.28	2.38	1.66	54.84
Sewanee	3.38	2.65	5.77	9.45	3.92	11.03	5.55	4.36	3.25	6.84	5.91	1.39	63.50
Tellico Plains	2.90	1.26	7.95	6.15	6.20	7.52	5.47	3.65	7.55	4.26	------	------	------
Tiptonville	2.70	2.78	2.64	6.20	3.06	14.13	1.61	7.85	0.24	6.75	3.74	4.34	56.04
Tullahoma	3.11	1.77	6.05	7.73	2.63	8.69	4.50	4.75	1.62	11.15	6.33	1.54	59.87
Union City	2.54	3.09	2.12	6.17	5.76	13.43	3.39	3.71	0.49	4.69	2.98	3.06	51.43
Waynesboro	3.82	2.71	4.14	6.54	5.48	9.05	3.52	4.06	0.70	4.47	3.25	1.92	49.66
Worsham	3.39	3.51	3.17	4.51	3.85	11.03	3.49	6.65	0.19	7.28	3.54	1.41	52.62
Texas													
Abilene	0.95	0.78	0.43	0.93	12.03	2.52	3.05	5.61	0.54	1.52	0.49	0.83	29.68
Albany	1.37	1.15	0.59	1.20	6.73	4.38	3.59	2.63	0.63	0.61	1.93	0.74	25.55
Alice	0.82	2.97	0.61	0.46	6.70	1.71	1.36	7.82	5.37	0.20	3.52	2.94	34.48
Alvin	0.64	3.59	1.59	0.28	3.10	5.38	1.50	5.50	4.99	4.02	3.89	4.00	38.48
Amarillo	T.	1.11	0.86	0.77	6.48	3.45	5.39	6.15	1.31	2.77	3.54	0.51	32.34
Anderson	0.60	4.01	6.38	2.89	0.95	4.93	2.51	1.40	4.03	0.87	3.06	4.55	36.18
Angleton	0.78	6.05	0.74	1.38	2.75	4.75	0.40	2.63	4.51	2.66	3.51	4.86	35.02
Arthur City	1.41	2.65	2.58	8.78	2.32	5.19	2.79	1.33	0.07	4.66	3.65	5.37	40.80
Aspermont	0.52	0.95	0.33	0.39	5.28	1.47	3.57	2.21	0.14	1.68	0.48	0.39	17.41
Austin	0.36	5.43	0.29	2.14	2.70	3.02	1.75	1.02	4.36	0.82	2.18	2.68	26.75
Anstwell	1.40	1.83	1.77	1.59	2.35	3.52	0.74	2.55	6.89	1.15	4.83	5.35	33.97
Ballinger	0.80	2.10	1.37	1.82	1.95	0.85	4.45	1.15	2.70	1.15	1.85	1.60	21.79
Balmorhea	0.01	0.12	0.03	0.39	1.33	0.66	4.97	4.62	3.06	0.93	0.64	0.12	16.88
Beaumont	0.36	4.42	4.41	3.00	0.23	7.65	2.68	3.62	4.66	3.69	4.10	2.83	41.65
Beeville	0.91	2.90	1.61	0.69	2.67	4.42	0.34	2.80	6.85	0.65	7.47	5.53	36.84
Big Spring	0.35	0.75	0.02	0.66	10.10	0.95	1.87	2.68	0.76	0.81	0.71	0.06	19.72
Big Wells	1.31	1.39	0.10	0.94	2.01	2.10	0.91	1.57	6.21	0.00	0.20	1.29	18.03
Blanco	0.46	3.66	0.34	1.59	4.30	3.35	4.93	1.02	3.49	0.89	2.43	2.72	29.18
Boerne	0.64	3.90	0.68	1.70	1.01	2.64	4.07	1.64	5.73	1.07	2.06	2.61	27.75
Bonham	0.99	2.05	1.86	9.90	3.38	4.27	1.29	0.55	0.19	3.26	2.92	5.25	35.91
Bon Wier	0.00	4.20	3.50	9.00	2.00	8.98	2.48	3.10	1.20	2.20	4.74	5.14	46.54
Booker	T.	1.89	1.06	1.59	5.79	4.44	2.98	2.53	0.90	2.52	2.87	0.95	27.52
Brazoria	1.01	6.42	0.73	1.51	2.30	4.27	1.96	2.90	6.10	2.35	4.76	5.43	39.74
Brazos	0.70	3.77	0.70	2.40	3.53	3.84	2.34	3.95	1.23	2.40	1.00	3.25	29.11
Breckenridge	1.25	1.50	0.50	1.20	3.30	2.81	2.64	3.66	0.67	1.98	0.70	1.38	21.59
Brenham	0.41	3.63	2.78	2.34	1.00	4.14	2.55	1.27	4.34	2.85	5.07	4.23	34.61
Bridgeport	0.50	1.72	0.70	2.02	4.55	8.55	4.03	1.40	0.35	3.20	1.74	3.08	31.84
Bronson	0.01	1.52	2.70	3.34	1.70	5.50	0.32	0.10	0.02	1.74	0.23	1.02	18.20
Brownfield	0.24	0.80	0.00	0.00	2.20	2.20	4.58	2.98	------	------	------	------	------
Brownsville	1.33	1.73	0.16	1.70	6.48	2.68	0.71	0.51	8.91	2.93	4.88	1.64	33.66
Brownwood	0.37	3.14	0.68	2.00	0.92	3.90	4.14	4.08	1.94	0.58	1.97	1.84	25.56
Buena Vista	0.00	0.00	T.	0.20	2.37	0.63	1.32	3.59	2.99	0.71	0.18	T.	11.99
Cameron	0.40	3.78	0.58	1.24	0.99	4.86	1.03	0.22	3.67	0.59	1.74	4.35	23.45
Canadian	0.00	0.76	0.83	1.85	6.13	5.12	2.56	1.60	1.96	2.81	5.15	0.79	29.56
Canyon	0.00	0.69	1.08	0.12	6.69	1.96	7.33	2.68	0.73	3.17	4.65	0.25	29.35
Carrizo Springs	------	1.22	0.80	0.94	3.24	1.01	2.13	1.52	5.48	0.10	------	------	------
Carrollton	0.40	3.83	0.62	5.78	3.28	5.52	5.45	0.36	1.86	5.26	4.68	5.73	42.77
Childress	0.30	2.10	1.00	0.60	2.63	0.78	3.89	1.46	1.28	1.72	1.61	0.15	17.52
Chillicothe	0.30	1.95	1.30	0.93	2.55	2.50	2.12	0.56	0.05	1.44	2.15	0.18	16.03
Clarendon	0.00	1.48	T.	1.27	8.51	1.73	5.02	3.62	1.10	4.03	1.81	0.20	28.77
Clarksville	1.46	2.76	3.06	7.33	3.99	8.05	3.10	1.51	T.	2.47	4.73	6.56	45.02
Claude	0.00	1.41	0.85	1.56	6.12	0.91	4.66	3.45	1.20	2.45	2.87	0.08	25.56
Cleburne	0.70	4.00	1.59	2.51	2.08	8.24	2.90	2.26	0.72	1.95	3.34	5.74	36.03
Clifton	0.52	6.01	1.91	3.54	0.47	6.34	2.12	3.42	1.42	2.05	1.76	2.52	32.08

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Texas—Continued													
Clint	T.	0.39	T.	0.31	0.75	0.00	0.92	4.73	0.07	1.45	0.60	0.17	9.39
Coleman	1.11	2.19	1.20	2.36	4.39	2.19	0.97	1.56	3.05	2.28	0.96	1.95	24.21
College Station	0.62	5.48	2.17	4.11	1.92	4.45	4.68	1.42	1.53	2.11	3.25	5.21	36.95
Colorado	0.76	1.12	0.57	0.62	5.94	2.00	6.20	1.68	0.77	1.38	0.73	0.17	21.94
Columbus	0.61	3.19	1.42	3.76	2.00	8.52	1.01	2.33	2.90	1.16	5.29	5.14	37.33
Comanche	0.46	3.63	0.55	2.24	2.58	7.34	1.94	4.25	1.93	1.64	1.08	1.95	29.59
Conroe	0.61	4.20	4.06	2.33	0.97	5.75	1.84	1.75	1.26	1.03	3.45	3.82	31.07
Copperas Cove	0.57	4.69	0.92	2.16	1.65	5.32	1.09	1.95	5.71	0.55	1.29	2.49	28.39
Corpus Christi	2.22	1.68	1.08	0.50	2.00	6.99	0.33	1.29	15.89	4.07	3.09	4.78	43.92
Corsicana	0.77	4.28	3.01	4.78	1.53	8.18	2.87	0.55	1.95	1.52	1.72	3.89	34.75
Cotulla	1.20	1.85	0.10	1.42	------	0.48	0.00	2.60	4.06	0.00	0.82	2.47	------
Crane (near)	------	------	------	------	3.33	0.00	1.81	3.37	4.33	1.16	0.83	0.00	------
Crockett	1.27	3.95	4.82	1.97	1.80	6.85	2.34	1.25	1.67	2.87	4.11	4.36	37.26
Crosbyton	0.56	0.49	0.10	0.15	5.52	1.27	4.45	3.98	0.03	1.67	0.70	0.52	20.04
Crowell	0.22	2.53	0.92	0.22	3.22	5.80	1.80	1.20	0.00	2.05	0.98	0.00	18.94
Cuero	0.50	2.62	0.42	1.78	3.49	4.31	0.99	1.65	2.30	2.05	8.34	4.64	33.09
Dalhart	0.00	0.34	0.80	0.47	6.28	3.37	3.14	4.91	0.13	4.25	1.75	1.17	26.61
Dallas	0.83	3.90	0.99	3.88	2.02	3.74	3.64	0.94	0.44	4.34	1.61	6.68	33.01
Danevang	0.73	2.16	0.95	1.43	1.04	3.45	2.74	3.95	6.73	2.54	2.93	6.13	34.78
Del Rio	0.71	0.82	0.35	0.51	3.76	0.71	1.38	2.35	7.06	0.76	0.38	0.47	19.26
Denison (near)	1.01	2.34	0.06	5.22	3.09	2.20	0.19	1.12	0.02	1.22	1.13	2.11	19.71
Denton	0.67	2.28	0.67	3.18	4.03	5.74	1.66	2.30	0.13	2.35	1.82	3.81	28.64
Dialville	0.88	5.61	4.04	5.89	1.41	5.64	4.76	0.30	0.64	5.90	4.32	5.29	44.68
Dilley	0.97	1.14	0.17	2.24	4.73	1.62	1.05	2.16	4.62	0.35	0.40	1.82	21.27
Dimmitt	0.00	0.77	0.24	0.25	4.02	1.52	3.95	5.67	0.33	2.91	2.01	0.27	21.94
Dublin	0.73	4.17	1.00	2.70	5.45	4.94	0.43	4.84	1.27	1.15	2.87	2.61	32.16
Dundee (near)	1.26	1.01	0.60	1.27	4.74	4.80	2.45	0.60	0.00	1.65	0.65	T.	19.03
Eagle Pass	1.01	1.43	0.05	0.88	3.71	1.31	1.56	1.85	12.24	0.44	0.40	1.03	25.91
Eastland	1.16	2.50	0.65	2.05	6.42	3.71	3.90	4.15	1.33	1.23	2.25	1.38	30.73
Edna	0.22	3.29	1.98	1.84	2.34	7.30	0.72	0.85	3.35	2.19	6.38	6.65	37.11
El Paso	T.	0.71	0.05	0.22	0.96	T.	1.15	2.69	0.04	1.47	0.79	0.13	8.21
Encinal	3.40	2.80	0.27	0.70	5.65	0.03	0.91	1.20	3.67	0.19	1.22	2.59	22.63
Fairland	0.22	3.74	0.62	1.01	1.78	4.66	1.53	1.24	4.51	0.45	1.91	2.38	24.05
Falfurrias	1.10	2.68	0.35	0.38	3.25	0.46	0.69	0.95	10.75	0.14	5.94	2.66	29.35
Finley	1.70	2.90	2.13	7.25	4.72	5.81	3.42	1.00	1.91	4.86	5.06	5.62	46.38
Flatonia	0.16	4.37	1.16	2.98	2.11	3.98	1.26	1.34	4.12	0.56	4.79	4.14	30.97
Flint	1.13	4.45	3.10	6.70	1.96	5.63	5.20	T.	1.46	3.14	7.07	6.00	45.84
Floresville	0.45	1.41	0.63	2.65	3.95	4.10	1.91	1.20	3.52	1.20	3.06	4.14	28.22
Fort Clark	0.42	1.98	0.00	1.10	2.60	1.78	0.10	1.89	9.01	0.11	0.14	0.51	19.73
Fort Davis	0.20	0.40	0.00	0.06	0.72	0.35	3.73	5.54	1.68	0.00	0.99	0.68	14.30
Fort McIntosh	2.09	2.27	0.33	0.50	0.38	0.00	0.91	0.22	2.93	0.87	2.47	2.44	24.43
Fort McKavett (near)	0.08	2.14	0.46	0.59	2.55	2.22	3.01	4.53	7.90	1.60	0.65	0.58	26.26
Fort Stockton	0.05	0.35	0.05	0.40	2.50	1.30	3.45	5.32	3.31	0.90	0.97	0.20	18.80
Fort Worth	0.46	3.53	1.10	5.70	3.77	11.58	4.24	2.13	0.45	4.15	1.97	5.50	44.58
Fowlerton	1.11	1.20	0.00	1.04	3.74	1.32	0.00	1.21	3.14	0.00	0.48	1.55	14.79
Freeport	1.17	4.36	0.77	1.60	3.32	2.92	2.03	3.41	14.05	3.96	5.35	5.35	48.29
Frions	T.	1.05	0.13	0.27	3.28	2.68	3.97	3.00	3.11	2.09	1.82	0.11	21.51
Gainesville	0.31	2.03	1.50	4.17	3.27	6.25	2.36	2.43	0.06	1.76	2.09	2.75	29.00
Galveston	0.41	5.41	0.70	1.43	1.54	4.23	1.14	5.24	7.20	3.82	3.87	4.20	39.19
Garden City	0.36	0.55	0.81	0.21	4.89	1.11	4.79	5.80	0.87	1.35	0.98	0.18	21.90
Gatesville	0.20	4.28	0.95	1.89	1.80	5.05	1.48	0.49	------	------	------	------	------
George West	1.16	2.18	1.06	1.09	3.72	2.00	0.82	1.32	5.72	0.21	3.85	4.23	27.36
Goliad	0.55	2.69	1.07	1.30	2.14	2.14	1.49	0.89	2.53	2.09	7.89	4.81	29.59
Gonzales	0.47	2.37	1.39	3.66	2.40	3.93	1.54	0.73	5.55	0.33	4.15	4.13	30.65
Goose Creek	0.49	4.01	1.50	2.12	4.23	4.02	2.10	4.12	2.49	5.42	4.01	4.19	38.69
Graham	1.60	2.16	0.46	0.00	4.78	5.19	2.66	2.50	0.53	2.40	1.40	0.90	24.58
Grand Falls	0.00	0.00	0.00	0.53	4.35	1.55	2.05	11.65	2.70	1.00	0.00	0.00	23.83
Greenville	1.25	3.73	1.23	5.20	2.38	5.46	2.49	2.00	0.36	6.00	4.17	6.35	40.62
Groesbeck	0.34	4.38	0.80	2.42	2.73	7.71	4.03	0.01	1.03	1.47	1.41	4.97	31.30
Groveton	------	------	------	2.53	1.29	4.68	6.96	1.13	0.92	5.01	5.06	3.37	------
Hallettsville	T.	2.80	0.62	3.11	2.70	2.35	1.80	0.10	4.30	2.80	4.80	3.50	28.88
Hamilton	0.33	3.23	0.90	4.63	1.15	5.57	0.55	2.50	1.75	0.90	1.00	2.15	24.66
Harlingen	0.65	1.75	0.14	1.47	5.00	1.14	0.18	0.00	10.39	0.50	4.80	0.80	26.82
Harrisburg	0.45	4.12	4.54	1.62	3.38	4.87	2.35	1.76	5.12	2.60	3.41	4.16	38.38
Haskell	1.30	1.14	0.35	0.10	3.74	2.02	2.92	3.17	T.	1.89	1.02	0.27	17.92
Hebbronville	0.88	2.90	0.18	0.27	2.25	1.63	0.29	0.25	9.53	0.00	2.49	2.52	23.18
Hempstead	0.13	4.05	2.11	2.37	1.35	6.90	2.29	2.41	3.24	0.47	5.67	5.59	34.88
Henderson	0.78	4.38	3.90	4.39	2.86	5.74	2.75	1.45	1.06	4.88	5.02	4.62	41.85
Henrietta	1.20	1.83	0.75	2.35	6.10	6.35	4.30	0.80	0.12	1.15	2.40	1.50	28.85
Hewitt	0.16	4.72	1.20	2.57	1.97	6.19	1.56	0.15	3.70	0.98	1.34	3.24	27.78
Hico	0.35	3.73	1.12	4.27	2.34	5.64	0.49	3.49	1.58	1.80	0.90	2.50	28.21
Hillsboro	0.35	4.03	1.87	4.12	2.05	8.03	1.00	2.50	1.47	2.45	3.03	3.17	34.97
Hill's Ranch	0.38	5.20	0.36	1.46	2.70	3.06	2.40	0.46	3.46	0.36	2.23	3.06	26.73
Hondo	0.88	3.29	2.23	1.81	6.57	2.11	2.54	1.24	3.33	0.85	0.82	1.19	26.86
Honey Grove	1.19	3.50	1.50	9.03	3.38	7.77	4.51	2.14	0.38	6.76	3.32	5.54	49.02
Houston	0.40	3.85	1.35	1.54	2.14	4.71	3.43	2.14	6.18	4.02	2.66	4.37	36.79
Hovey (near)	0.05	0.15	T.	T.	2.54	1.16	4.36	2.46	3.10	0.73	0.96	0.28	15.79
Huntsville	1.00	3.50	4.50	3.70	1.30	3.40	4.40	0.30	0.20	2.40	4.00	3.30	32.00
Jarrell	0.33	3.95	0.41	3.51	1.63	4.40	2.76	2.11	4.73	0.66	1.60	4.84	30.93
Jefferson	2.01	2.59	3.29	10.47	3.44	5.54	2.42	0.32	1.77	7.08	6.79	6.56	52.28
Junction	T.	1.75	0.32	1.14	2.88	6.36	1.90	1.97	5.06	0.75	1.36	0.83	24.32
Karnes City	0.89	2.39	1.47	1.48	1.85	3.08	0.91	1.61	4.65	0.65	3.90	5.09	27.97
Kaufman	0.58	4.88	1.95	5.48	1.69	7.55	2.50	0.52	1.11	3.18	2.71	8.32	40.47
Kerrville	0.47	2.84	0.62	1.34	3.44	3.91	2.01	1.78	5.07	0.61	1.07	2.18	25.34
Kingsville	1.46	2.35	0.74	0.31	1.89	1.17	0.77	1.96	------	------	------	3.71	------
Knickerbocker	0.85	0.74	0.06	1.04	2.00	1.35	1.76	2.40	4.86	1.70	0.45	1.15	18.30
Kopperl	0.83	3.57	1.36	3.94	3.56	8.51	3.64	1.77	1.90	1.20	2.40	2.84	35.46
Lagrange	0.45	2.89	2.01	2.26	1.86	4.24	3.50	1.18	2.43	2.70	5.65	3.91	33.92
Lamesa (near)	0.00	0.72	0.83	0.00	5.34	1.82	3.97	3.47	0.65	1.60	0.55	0.71	19.66
Lampasas	0.60	3.52	1.13	1.35	1.64	3.80	1.34	0.22	4.73	0.63	1.50	2.31	23.77
Langtry	------	------	------	------	------	------	------	------	------	0.57	0.90	0.71	------
La Parra	1.78	2.73	0.64	1.17	4.66	0.74	2.10	0.15	12.27	2.84	5.15	3.26	37.51
La Pryor	0.76	1.58	0.09	1.14	6.19	3.23	0.78	1.70	4.96	0.84	0.45	1.03	22.70
Laredo	2.36	2.42	0.34	0.55	9.61	0.15	0.95	0.52	2.60	0.85	2.93	2.30	25.64
Liberty	1.24	4.43	1.87	2.95	7.03	9.29	2.66	3.67	3.53	3.15	6.60	3.52	50.00
Littlefield	0.40	1.36	0.01	0.07	2.66	4.70	1.90	3.69	2.19	2.98	0.85	0.11	20.92
Little River	0.33	4.02	0.48	2.33	1.31	2.91	6.30	1.58	2.67	0.69	1.25	4.55	28.42
Llano	0.07	3.76	1.45	1.74	2.79	4.22	4.09	0.17	4.75	0.98	1.60	1.84	27.46

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Texas—Continued													
Long Lake	0.67	4.85	0.38	2.60	0.64	12.92	7.05	0.05	0.49	1.77	7.82	5.60	44.84
Longview	1.10	2.50	3.30	7.05	1.25	3.90	2.24	0.00	0.75	4.90	1.95	7.20	36.14
Lubbock	0.31	1.18	T.	0.15	3.08	1.06	6.78	4.04	0.08	2.10	0.74	0.28	19.80
Lufkin	0.85	3.88	4.67	2.43	2.11	6.56	4.98	2.18	1.02	1.10	4.73	3.91	38.41
Luling	0.72	3.95	1.46	2.24	1.96	2.95	3.30	0.75	5.46	0.46	3.77	3.12	30.14
McGregor	0.49	5.14	1.38	2.04	1.07	4.72	2.70	0.25	2.14	1.41	1.14	3.17	25.65
McKinney	0.75	4.26	0.75	6.84	2.01	6.28	4.25	0.10	0.82	5.28	3.92	6.46	41.72
Marble Falls	0.03	3.78	0.35	1.00	2.15	4.60	1.45	3.25	5.75	0.15	1.37	2.20	26.08
Marshall	0.87	3.48	3.56	9.59	4.41	8.26	5.09	0.40	0.71	4.65	4.91	4.67	50.60
Matagorda	0.97	2.63	0.67	0.40	1.40	5.70	0.54	1.72	5.64	1.34	2.50	4.78	28.29
Memphis	0.00	0.74	0.35	2.67	7.13	3.10	5.69	3.10	0.78	1.19	0.87	0.00	25.62
Menard	0.00	2.60	0.82	1.43	1.94	4.05	2.97	3.13	6.13	0.95	0.93	0.40	25.35
Mercedes	0.46	0.92	0.18	1.29	9.54	3.48	0.47	T.	5.15	0.12	3.65	0.87	26.13
Mexia	0.29	5.23	1.65	2.85	0.38	9.23	1.58	0.78	1.59	1.87	2.47	4.25	32.17
Miami	0.00	0.95	0.46	1.45	7.25	1.83	5.89	1.82	1.23	3.68	5.86	0.25	31.67
Midland	0.00	0.24	0.34	2.82	4.87	2.75	1.35	3.50	.....	2.38	0.42	0.45	.....
Mission	0.91	1.55	0.14	0.60	5.96	0.69	0.25	0.05	4.24	T.	1.38	1.28	17.05
Montell	0.35	1.46	0.04	0.90	4.19	2.97	1.16	2.74	5.18	0.31	0.43	0.75	20.48
Morris Ranch	0.27	3.88	1.10	1.72	2.81	3.65	1.56	1.84	4.85	0.68	2.29	0.89	25.54
Mount Pleasant	1.92	2.57	1.35	6.04	6.09	6.57	2.45	2.84	0.20	6.33	5.48	5.93	47.77
Muleshoe	0.00	0.40	0.20	0.00	3.53	1.13	2.39	2.39	1.19	4.70	2.80	0.23	18.96
Munday	0.55	1.16	0.77	0.09	3.10	3.46	1.56	1.01	0.07	1.44	0.50	0.34	14.05
Nacogdoches	0.82	3.38	5.66	2.46	2.92	4.38	5.15	0.94	1.08	2.31	5.53	3.03	37.66
Navasota	0.58	3.34	4.75	2.59	1.56	4.06	2.88	0.35	2.66	1.99	2.90	5.23	32.89
New Braunfels	0.81	5.13	1.18	1.58	3.13	8.36	2.44	0.84	4.71	1.58	3.03	3.28	36.07
Nixon	0.57	2.56	1.33	2.47	3.96	2.72	1.15	0.87	4.48	0.98	3.15	3.21	27.45
Olton	.....	.....	.....	0.16	3.48	2.83	5.61	2.80	1.28	3.56	1.06	0.43	.....
Optin	1.80	2.35	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Orange	0.31	5.48	3.65	3.25	0.66	8.08	6.40	4.00	2.20	3.03	2.15	2.90	42.11
O 2 Ranch	0.26	0.13	T.	T.	1.41	0.00	3.56	3.56	2.98	0.54	0.87	0.00	13.31
Paducah	0.53	1.49	0.25	0.19	2.67	2.24	2.48	2.06	0.20	2.09	1.21	0.35	15.76
Paint Rock	1.15	1.68	0.43	1.88	2.16	3.54	3.76	1.93	5.02	1.86	0.73	0.65	24.79
Palestine	0.99	4.85	1.92	2.68	0.58	7.07	2.81	2.45	0.90	2.94	6.59	5.56	39.34
Pampa	T.	1.19	1.30	1.52	7.19	2.59	4.10	1.31	1.45	2.41	4.49	0.75	28.30
Paris	1.26	2.77	2.60	8.16	2.49	10.78	1.79	1.29	0.05	7.80	5.42	4.76	49.17
Pearsall	0.74	1.45	0.86	1.94	3.10	4.47	0.52	2.17	5.37	0.37	0.53	1.61	23.13
Perryton	0.00	2.06	1.55	1.77	5.12	3.41	4.03	3.17	1.54	3.22	3.21	0.66	29.73
Pierce	0.69	2.59	1.14	2.08	1.60	3.79	3.27	1.26	2.08	1.81	4.41	7.13	31.85
Plains	0.17	0.71	0.09	0.31	1.80	1.93	2.23	5.20	0.40	2.38	.....	.....	.....
Plainview	0.20	1.73	0.15	0.12	6.05	1.26	4.12	2.36	0.75	3.06	1.28	0.30	21.38
Point Isabel	.....	1.48	.....	.....	.....	1.80	0.00	1.01	10.41	2.59	2.96	1.67	.....
Port Arthur	0.17	5.64	2.26	4.46	0.45	5.90	5.01	4.62	4.20	2.99	4.44	3.24	43.38
Post	0.01	0.78	0.00	0.18	4.39	0.42	3.93	3.87	0.00	1.32	1.13	0.42	16.45
Presidio	0.22	0.15	0.01	T.	0.31	0.03	1.71	0.30	1.88	0.64	1.15	0.00	6.40
Putnam	1.74	1.49	0.64	1.14	7.13	3.75	5.68	4.54	0.73	1.52	1.08	1.18	30.62
Quanah	0.30	1.60	0.00	0.56	2.61	4.59	4.15	0.65	0.10	1.37	2.13	0.27	18.33
Raymondville	0.84	1.81	0.10	2.11	5.37	4.20	0.79	0.26	10.91	1.36	2.27	1.68	31.70
Reagan (near)	0.17	4.14	0.61	2.00	0.76	5.06	2.47	0.96	1.10	2.83	2.35	5.00	27.45
Ricardo	1.12	2.28	0.71	0.36	3.94	.....	0.73	1.56	9.59	.....	4.19	3.04	.....
Ringe Crossing	1.33	2.66	2.08	5.89	3.13	6.49	1.82	1.44	0.06	5.44	4.51	5.74	40.59
Riogrande	1.09	2.02	0.11	0.97	5.20	0.92	0.17	0.61	2.58	6.25	0.49	1.36	15.77
Riomedina	0.34	2.49	2.04	1.23	4.49	1.87	1.63	1.32	3.12	1.41	0.48	1.23	21.65
Riverside	0.96	3.66	4.55	2.56	0.49	4.77	3.28	0.83	1.75	1.28	3.18	2.21	29.52
Robstown (near)	2.22	1.75	0.00	0.40	6.90	7.10	1.76	3.13	12.50	1.02	3.35	3.29	43.42
Rochelle	T.	2.01	0.87	1.58	2.19	3.81	2.63	1.67	10.92	0.54	1.18	1.46	28.86
Rockland	1.20	3.00	4.70	4.20	2.60	7.80	1.70	1.21	1.40	2.70	4.55	2.57	37.63
Romero	0.00	0.91	0.79	0.38	3.47	3.25	1.78	4.00	1.25	5.23	3.72	1.89	26.67
Rosenberg	2.13	2.90	0.40	1.18	1.28	3.20	5.41	1.64	4.12	2.97	6.33	3.22	34.78
Rotan	0.44	0.91	0.38	0.62	4.55	1.58	3.38	1.42	T.	1.80	0.24	0.55	15.87
Runge	0.80	2.33	0.79	1.44	2.05	3.04	0.74	1.40	2.77	0.55	2.97	4.23	22.91
Sabinal	0.66	1.82	0.06	1.16	3.13	3.57	0.20	4.75	4.08	0.23	0.59	0.94	21.10
San Angelo	.....	.....	.....	0.91	3.65	3.55	2.02	1.81	4.08	1.22	.....	.....	.....
San Antonio	0.65	2.85	2.34	1.70	3.90	3.29	1.03	1.21	6.30	1.69	2.29	2.95	30.20
San Benito	0.98	2.88	0.22	2.01	5.93	3.22	0.66	0.06	9.46	0.08	3.41	2.57	31.48
Sanderson	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.50	.....
San Marcos	0.63	6.66	1.98	1.42	2.90	4.15	2.81	1.63	5.35	0.33	2.80	3.28	33.94
Sealy	0.61	3.06	2.33	3.48	0.74	5.44	3.32	0.55	4.76	3.28	3.95	4.06	35.58
Seguin	0.21	2.57	0.58	1.72	4.21	1.75	2.44	0.97	5.57	1.06	3.16	2.47	26.71
Seminole	.....	.....	.....	.....	.....	2.35	8.25	5.12	0.00	1.84	0.55	0.00	.....
Seymour	1.02	1.28	0.98	0.41	2.07	2.14	1.92	1.02	0.21	0.66	0.86	0.48	13.05
Sherman	0.68	.....	.....	6.60	3.46	4.15	2.00	2.11	1.96	3.06	2.19	3.00	.....
Sinton	0.46	1.87	0.11	0.58	2.62	2.50	0.94	0.97	8.95	1.37	1.83	4.76	26.96
Smithville	0.52	4.55	1.42	1.99	1.20	4.67	2.19	1.29	2.29	0.10	4.81	4.08	29.06
Snyder	0.40	0.80	0.40	0.27	5.35	1.17	5.87	2.82	0.98	0.35	1.52	0.28	20.22
Somerville	0.30	4.80	1.70	.....	0.80	.....	1.50	T.	2.30	1.00	4.60	5.10	.....
Southland	0.51	1.10	0.00	0.10	5.81	0.68	3.50	5.12	0.04	1.25	1.79	0.51	20.41
Spearman	T.	2.21	1.40	1.89	6.08	1.55	2.22	3.12	1.21	2.29	4.38	0.55	26.90
Spur	0.24	0.96	0.36	0.20	4.33	1.60	5.15	3.97	0.05	1.37	1.43	0.33	19.99
Stamford	1.05	1.14	0.15	0.47	5.00	1.61	3.61	1.67	0.33	0.85	1.14	0.27	17.26
Stephenville	0.55	3.59	0.99	1.10	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sterling City	0.12	1.06	0.60	0.35	3.59	2.00	6.00	3.91	1.61	2.25	0.00	0.25	21.74
Study Butte	0.80	0.25	0.23	T.	1.50	T.	1.18	2.94	2.82	0.04	1.43	0.10	11.29
Substation No.14	0.32	0.94	0.85	0.70	3.97	4.73	1.26	2.64	6.84	1.48	1.06	1.18	25.97
Sugarland	0.40	3.89	1.25	2.20	2.46	5.33	1.40	.....	3.69	3.64	3.18	3.52	.....
Sulphur Springs	0.00	2.58	2.01	5.05	3.19	8.06	5.94	1.13	0.00	8.36	0.69	5.38	42.39
Sweetwater	0.35	1.03	0.69	0.75	5.64	1.84	5.28	2.52	0.47	0.48	.....	.....	.....
Tahoka	.....	.....	.....	.....	.....	.....	.....	.....	0.14	1.97	0.68	0.36	.....
Taylor	0.35	4.45	0.30	2.14	1.69	2.88	1.10	0.29	3.00	0.39	1.43	3.19	21.21
Temple	1.00	4.75	0.72	2.48	1.26	3.44	4.30	1.16	4.35	1.09	1.33	4.13	29.92
Three Rivers	1.19	1.95	0.82	0.64	3.65	2.06	0.79	0.60	5.66	0.00	4.56	3.28	25.20
Throckmorton	1.33	1.61	T.	0.60	2.58	1.98	2.53	1.79	0.52	3.32	1.16	0.72	18.14
Tilden	.....	.....	.....	.....	.....	.....	.....	.....	3.56	0.00	.....	.....	.....
Trinidad	0.81	4.99	2.97	3.93	0.34	7.20	2.69	0.00	0.47	2.63	2.99	3.54	32.56
Troup	1.06	4.22	3.11	5.42	5.03	6.07	2.10	0.28	1.17	5.59	5.54	5.39	44.98
Tulia	0.00	1.35	0.24	0.53	5.99	1.59	6.00	4.41	0.14	1.16	2.23	0.25	23.89
Uvalde	0.58	2.17	0.63	0.84	3.87	4.68	0.30	1.90	4.94	0.40	0.12	0.78	21.21
Valley Junction	0.60	5.02	0.73	1.77	1.24	2.71	4.79	2.74	1.95	0.55	3.79	4.92	30.61
Vega	0.01	1.17	0.86	1.80	6.54	3.73	3.38	4.70	0.94	1.31	3.72	1.11	29.27

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Texas—Continued													
Victoria	0.84	2.19	0.92	1.75	2.94	2.41	1.62	0.75	3.88	2.37	5.74	5.19	30.59
Waco	T.	5.08	1.46	2.71	1.04	6.19	1.91	1.35	2.19	1.15	1.47	3.32	27.87
Waxahachie	1.01	4.15	1.18	4.21	1.00	9.94	3.03	0.80	1.08	0.67	3.44	4.78	35.29
Weatherford				3.60	3.13	6.51	3.67	2.74	0.59	1.83	2.45	4.04	
Whitsett	1.12	1.23	0.60	0.58	2.48	1.45	0.63	0.94	4.68	0.64	2.15	4.33	20.83
Wichita Falls	1.04	1.45	1.11	1.47	3.99	6.28	5.68	2.67	0.30	1.93	1.05	1.06	28.03
Wiergate	0.25	2.75	4.70	9.10	0.41	4.21	4.30	8.45	3.17	1.30	1.16	3.62	43.42
Willis	2.20	2.45											
Winfield (near)	3.00	4.00	2.30	8.05	8.95	14.52	3.20	1.80	0.15	13.05	4.00	6.70	69.72
Winters (near	0.46	1.11	0.53	0.85	7.63	1.12	3.85	3.61	1.20	1.63	0.71	0.83	23.83
Woodsboro	1.40	1.86	0.78	1.06	2.82	5.38	1.07	2.37	7.49	0.64	1.86	6.57	33.30
Utah													
Alpine	0.79	0.54	1.39	0.65	1.20	0.60	0.08	0.00	0.10	1.38	2.02	0.63	9.88
Alton	0.27	1.37	1.57	0.22	1.12	0.89	1.28	1.00	0.43	1.64	1.25	0.81	11.85
Alunite	0.27	0.84	1.37	0.18	1.60	0.18	1.57	0.60	0.36	1.23	0.66	0.16	9.02
Beaver	0.35	0.48	2.41	0.39	1.24	0.23	0.49	1.05	0.33	1.04	1.00	0.33	9.34
Benmore	0.31	0.36	1.61	0.60	1.66	0.44	0.45	0.18	0.07	0.75	0.59	0.83	7.87
Black Rock	0.16	0.01	0.82	0.00		1.02	1.07	0.03	0.01	0.08	0.31	0.55	
Blanding	0.34	1.68	0.97	0.40	1.86	0.22	0.54	1.85	0.15	3.96	1.76	0.99	14.72
Bluff	0.11	1.07	1.11	0.17	0.93	0.03	0.17	0.27	0.55	2.42	1.05	0.83	8.71
Brigham City	0.72	0.42	1.93	0.83	0.71	1.54	0.09	0.45	0.27	1.99	1.63	1.28	11.86
Castle Dale	0.30	0.70	0.94	T.	2.04	0.18	T.	1.20	0.56	1.70	0.70	0.30	8.62
Castle Rock		0.52											
Cedar City	0.80	1.90	1.81	0.27	0.71	0.00	0.62	0.48	0.32	1.63	1.20	1.80	11.54
Clarkston	0.38			0.56	1.16	1.72	0.78	0.00	0.05	1.63	1.33	1.10	
Corinne	0.19	0.35	1.01	0.50	0.35	1.50	0.00	T.	0.00	0.89	1.48	0.59	6.86
Cottonwood Weir	0.77	0.58	2.50	1.61	0.92	0.57	0.59	0.13	0.10	2.20	2.43	0.59	12.99
Deseret	0.26	0.82	1.17	0.19	1.15	0.59	0.78	1.03	0.04	0.38	0.14	0.25	6.80
Dry Gulch Ranger Station					2.40	0.71	1.09	2.77	0.79	5.66			
Duchesne	0.20	1.20	0.88	0.16	1.11	0.22	T.	1.32	0.34	2.53	0.76	0.20	8.92
Elberta	0.25	0.71	1.00	1.13	1.26	0.52	0.64	0.47	T.	0.83	0.83	0.14	7.78
Elkhorn (Ashley) Ranger Station	0.22	0.80	1.71	0.11	3.75	1.37	1.31	1.02	0.28	3.78	2.73	0.55	17.63
Elkhorn (Fishlake) Ranger Station							1.28	1.80					
Emery	0.15	1.25	0.95	0.00	4.00	0.00	0.00	0.70	0.22	1.15	0.40	0.15	8.97
Enterprise	0.14	1.20	2.04	0.35	1.65					0.38	0.37	1.66	
Escalante	0.00	1.10	1.50	0.00	2.50	0.00	1.82	1.73	0.00	2.56	0.90	0.54	12.65
Farmington	1.09	0.35	2.87	1.78	1.96	0.52	0.75	0.26	0.10	1.23	2.23	1.19	14.33
Fillmore	0.51	1.88	1.85	0.71	0.70	0.62	0.43	0.32	0.21	0.99	3.14	0.50	10.86
Fishlake Ranger Station						0.90	0.77						
Fort Duchesne	T.	0.60		T.	0.10	0.00	T.	0.10	0.40	1.82	0.02	0.06	
Fruitland	0.15	0.79	0.79	0.35	1.21	0.55	0.02	1.23	0.25	1.68	0.70	0.22	7.94
Garfield	0.35	0.45	2.40	0.80	0.56	0.54	0.32	0.00	0.53	1.84	2.27	0.63	10.69
Gooseberry Ranger Station					2.10	1.07	0.48	0.19	0.69	2.28			
Government Creek	0.30	0.53	1.85	0.45	1.15	0.39	0.39	0.05	T.	0.90	0.95	0.55	7.51
Grantsville	0.29	0.13	2.01	1.09	0.85	0.25	0.10	0.00	0.07	1.50	0.75	0.46	7.50
Great Basin Experiment Station					2.37	1.22	0.16	0.67	0.54	3.24			
Great Basin Experiment Station (Alpine)					2.51	0.86	0.20	0.49	0.60	1.86			
Great Basin Experiment Station (Oak Brush)					2.33	0.71	0.18	0.66	0.24	2.39			
Green River	0.15	0.42	0.18	0.05	1.06	0.02	0.64	0.84	1.04	2.41	1.15	0.31	8.27
Hanksville	0.11	0.58	0.16	T.	1.11	0.26	0.63	0.97	0.04	1.65	0.54	0.00	6.05
Hatch	T.	1.10	1.21	0.21	1.22	0.00	0.46	1.39	0.15	1.78	0.84	0.35	8.71
Heber	0.37	0.49	1.86	0.99	1.58	0.65	0.26	0.11	0.24	1.29	1.69	0.50	10.03
Hiawatha	0.25	0.96	1.37	0.22	2.39	0.49	0.43	1.43	0.65	3.53	0.85	0.61	13.18
High Line City Creek	1.18	0.69	4.78	2.85	2.33	0.63	0.33	0.14	0.28	1.85	3.55	1.23	19.84
Hole-In-The-Rock					4.28	1.07	1.16	1.15	0.07	1.94	3.45		
Huntsville	1.00	0.40	3.45	0.80	1.35	1.70	0.00	0.00			1.90	1.25	
Hurricane	0.10	2.60	1.32	0.17		0.00			0.27	0.48	1.01	1.22	
Ibapah	0.65	1.52	3.14	1.10	1.40	2.84	0.66	0.25	0.00	1.54	0.60	1.38	15.08
International	0.88	0.82	2.83	1.65	2.07	0.73	0.32	T.	T.	1.98	2.86	0.58	14.72
Jensen		0.16											
Kanab	0.29	0.76	2.07	0.08	1.09	T.	0.85	0.73	0.38	1.37	0.49	0.80	8.91
Kanosh	0.49	2.93	2.55	1.00	1.20	0.50	0.49	0.55	0.08	0.52	2.39	0.33	13.03
Kelton	0.03	0.25	0.95	0.41	0.36	0.96	0.20	0.00	0.00	0.65	0.63	1.88	6.32
Koosharem	0.20	1.90	3.13	0.37	3.18	0.24	0.98	0.38	0.46	1.25	0.95	0.05	13.08
Koosharem Ranger Station							0.21						
Lake Point	0.43	0.22	1.79	0.83	0.42	0.45	0.02	0.00	0.06	1.77	1.99	0.62	8.60
Laketown	0.21	0.57	1.32	0.88	0.48	1.07	0.65	0.02	0.20	1.40	1.45	0.85	9.10
La Sal					1.44	0.49	0.20	0.55	0.12	3.75	4.40		
Leeds (near)	0.43	1.95	1.91	0.00	0.18	0.00	0.30	T.	0.45	0.24	1.26	1.48	8.20
Lemay	0.28	0.10	0.81	0.40	0.11	0.43	0.17	T.	0.12			0.54	
Levan	0.39	0.71	1.67	0.60	1.57	0.47	1.32	0.16	0.27	0.85	2.13	0.44	10.58
Lewiston	0.97	0.31	3.39	0.96	1.61	2.24	0.88	0.04	0.11	2.89	1.87	1.10	16.37
Loa	0.10	0.40	1.75	T.	1.21	0.10	0.44		0.20	0.60	0.35	T.	
Logan	0.70	0.45	1.99	0.92	1.39	1.48	0.37	0.02	0.09			0.75	
Logan Sugar Factory	0.78	0.49	2.56	1.02	1.43	1.60	0.43	0.06	0.13	2.39	2.23	1.43	14.55
Lowder Ranger Station							0.78	1.56	0.79				
Lower American Fork	0.78	0.47	1.92	0.51	1.40	0.70	0.35	0.05	0.13	1.24	2.13	0.63	10.31
Lower Mill Creek	0.89	0.48	3.12	1.82	2.11	0.75	1.05	0.03	0.15	2.19	2.89	0.64	16.12
Lucin	0.05	0.05	0.53	0.30	T.	0.50	T.	0.72	0.09	1.72	0.32	0.39	4.57
Lund	0.52	0.53	1.06	T.	1.51	0.13	1.29	0.23	0.33	0.28	0.06	0.51	6.45
McCornick	0.32	0.86	1.33	0.94	0.99	0.80	0.62	0.42	0.07	0.48	0.75	0.29	7.87
Mammoth Ranger Station						1.30	0.36	0.53	0.26				
Manila	0.48	1.05	0.76	3.00	3.11	0.53	0.10		0.12	2.82	1.72	0.20	
Manti	0.37	0.80	1.59	0.25	1.43	0.49	0.05	0.45	0.18	1.19	1.15	0.46	8.42
Maplewood	0.82	0.99	2.25	0.89	1.62	1.23	0.17	0.56	0.09	1.57	1.75	0.63	12.57
Midlake	0.13	0.04	0.81	0.37	0.20	0.53	0.00	T.	0.00		1.34	0.42	
Midvale	0.78	0.31	2.31	1.26	1.05	0.39	0.26	0.11	0.14	1.82	2.64	0.63	11.59
Milford	0.54	0.90	0.64	0.32	1.34	0.10	0.73	0.28	0.17	0.20	0.58	0.18	5.98
Moab	0.11	T.	0.69	0.12	1.56	0.23	1.39	0.80	0.12	3.50	1.98	0.31	10.81
Modena	0.18	0.57	1.01	T.	1.76	0.26	1.05	0.96	0.19	0.23	0.22	0.52	6.95
Monticello	0.32	1.70	2.29	1.10	1.45	0.78	1.06	2.34	0.09	4.25	2.72	1.21	19.31
Morgan	1.18	0.26	3.15	1.41	1.79	0.96	0.58	0.08	T.	3.15	1.58	1.76	15.89
Moroni	0.56	0.57	1.30	0.33	1.73	0.40	0.17	0.31	0.22	0.73	1.15	0.46	7.88
Mountain Dell	1.01	0.65	4.78	2.08	1.65	1.14	1.06	0.08	0.17	1.66	2.67	0.85	17.80

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Utah—Continued													
Mountain Ranch Ranger Station									0.25	0.83			
Mount Baldy Ranger Station						1.39	0.30	0.82	0.94				
Mount Emmons	0.22	0.42	0.09	0.34	2.05	T.	0.13	1.87	0.30	2.66	1.14	0.05	9.27
Murray	0.67	0.09	1.24	0.78	0.66	0.25	0.08	T.	0.04	1.31	1.23		
Myton	0.00	0.12	T.	T.	0.38	0.28	0.10	1.37	0.51	2.08	0.62	T.	5.46
Nada	0.60	0.48	1.48	0.07	1.03	0.70	0.52	T.	0.24	0.80	0.35	0.41	6.68
Nephi (near)	0.41	0.68	1.56	0.77	1.52	0.41	0.79	0.20	0.16	0.84	1.64	0.59	9.57
Oak City	0.37	0.82	1.42	0.70	2.71	0.50	1.33	0.91	0.04	0.78	0.96	0.32	10.86
Ogden	0.82	0.49	2.58	0.73	1.12	1.04	0.09	0.10	0.58	1.55	1.94	0.62	11.66
Ogden Sugar Factory	0.83	0.51	2.36	0.66	1.06	0.81	0.27	0.06	0.63	1.71	1.53	0.84	11.27
Orderville	0.25	1.38	0.73	0.16	1.60	0.00	0.17	0.08	0.71	1.36	0.71	0.61	7.76
Orr's Ranch	0.05	0.10	1.28	0.05	0.45	0.37	0.40	0.00	0.15	0.90	0.74	0.77	5.26
Otter Creek Reservoir	0.23	0.33	1.77	T.	1.11	0.03	0.74	0.05	0.45	1.19	0.50	T.	6.40
Panguitch	0.00	0.77					0.88	0.70	0.52	1.02	0.23	0.73	
Park City	1.04	1.78	2.30	2.00	0.34	0.04			0.30	1.42	2.71	1.04	
Park Valley	0.28	0.45	1.66	0.11	0.22	1.37	0.17	0.70	0.02	0.58	0.71	1.20	7.47
Parowan	0.36	1.28	1.48	0.44	2.03	0.32	0.38	0.74	0.31	1.81	1.11	0.50	10.76
Payson	0.51	0.68	1.86	0.81	1.27	0.50	0.31	0.38	0.07	1.18	1.22	0.47	9.26
Piute Dam	0.09	0.54	1.16	0.08	1.35	0.28	0.38	0.62	0.52	0.48	0.33	0.08	5.91
Price	0.29	0.63	0.85	0.20	1.46	0.21	0.41	0.75	0.53	2.33	1.08	0.29	9.03
Provo	0.62	0.38	1.53	0.50	1.93	0.70	0.29	0.40	0.02	0.85	1.34	0.39	8.95
Provo Bench	0.64	0.36	1.80	0.54	1.68	0.78	0.28	0.17	0.03	1.12	1.99	0.37	9.76
Richfield	0.18	0.94	1.41	0.04	1.43	0.60	0.46	0.87	0.24	0.58	0.45	0.01	7.21
Richmond	0.58	0.57	3.21	1.04	1.34	2.27	0.65	T.	0.18	2.19	2.19	0.78	15.00
Riverdale	0.51	0.82	2.22	0.31	1.22	0.41	0.21	0.05	0.19	2.00	1.97	0.74	10.65
Ruby's Inn	0.15	1.75	0.71	T.	2.30	0.90	1.25						
St. George	0.18	1.70	0.60	0.01	0.43	0.02	0.35	0.32	0.40	0.35	0.79	0.91	6.06
St. John	T.	0.31	1.21	0.40	0.71	0.11	0.06	0.00	0.00	0.53	0.25	0.26	3.84
Salina	0.31	1.13	1.03	0.26	1.91	0.60	0.00	0.45	0.40	0.25	1.10	0.19	7.63
Saltair	0.40	0.11	2.35	0.85	0.35	0.25	0.47	T.	0.03	2.79	2.26	0.82	10.68
Salt Lake Airport					1.31	0.31	0.75	0.25	0.13	1.93	1.78	0.41	
Salt Lake City	0.81	0.28	2.78	1.55	1.33	0.41	0.58	0.17	0.16	1.83	1.86	0.54	12.10
Santaquin	0.48	1.30	2.29	1.97	1.49	0.51	0.50	0.24	0.00	1.28	2.04	0.30	12.40
Scipio	0.27	0.56	1.50	0.16	1.92	0.73	0.59	1.12	0.20	0.78	0.99	0.38	9.20
Sevier Bridge Dam		0.02	0.86	0.12	0.83	0.14	0.47	0.16	0.15	0.44	0.43	0.17	
Silver Lake	1.31	2.76	5.58	2.70	3.04	0.86	1.40	0.00	0.31	2.12	4.90	3.16	28.14
Smithfield (near)	0.63	0.51	2.80	0.89	1.69	1.86	0.80	T.	0.13	2.38	0.96	0.74	13.39
Snake Creek	1.08	1.53	3.73	0.97	1.36	0.70	0.50	0.19	0.12	1.66	2.22	1.20	15.26
Snowville						0.15	0.11	T.	0.03	1.15	1.79	1.25	
Soldier Summit	0.81	1.05	1.72	1.42	6.11	1.67	T.	1.33	0.14	1.16	1.51	0.44	17.36
South Fork Ranger Station							0.75	T.					
Spanish Fork	0.78	0.80	3.14	1.21	2.08	1.00	0.33	0.96	0.13	1.40	2.00	0.64	14.56
Springdale	0.40	2.45	1.36	0.30	0.74	T.	0.10	0.29	0.72	0.57	1.76	1.06	9.75
Sunnyside	0.17	0.61	0.86	T.	1.60	0.47	0.46	1.84	0.67	4.39	1.53	0.68	13.28
Thistle	0.71	1.51	3.99	2.51	2.72	0.86	0.04	0.54	0.38	2.00	2.22	1.24	18.72
Thompsons	0.00	T.	0.35	0.24	1.24	0.00	T.	1.13	0.23	2.43	1.22	1.32	8.16
Tooele	0.68	0.42	2.59	1.97	1.84	0.60	0.37	0.03	T.	2.76	2.81	0.58	14.65
Tremonton	0.11	0.02				1.24			0.07	1.46	1.23	0.74	
Tropic	0.00	0.60	0.35										
Trout Creek Ranger Station							1.40	1.30	1.00	8.70			
Utah Lake (Lehi)	0.40	0.34	1.56	0.61	2.02	0.51	0.37	0.20	0.05	0.81	1.24	0.29	8.40
Vernal	0.23	T.	0.67		2.38			0.00	0.20	3.29	1.18	T.	
Watson (near)	0.28	T.	2.47	0.40	1.87	0.30	0.56	1.54	0.78	3.84	2.74	0.52	15.30
Wendover	T.	0.19	0.18	T.	0.06	0.58	0.64	T.	0.00	0.15	0.44	0.84	3.08
Widtsoe	0.42	1.11	1.08	0.08	1.20	T.	0.74	0.93	0.21	2.29	1.03	0.57	9.66
Woodruff	T.	0.25	0.61	0.51	0.87	1.11	0.69	0.15	T.	1.34	0.59	0.16	6.28
Zion National Park							0.05	0.74	0.85	0.94	1.70	1.21	
Vermont													
Bellows Falls	3.06	2.75	1.95	3.24	3.03	3.00			1.55	1.34	0.99	2.07	
Bennington	2.79	2.33	2.02	2.60	3.15	6.29	6.32	5.58	2.83	1.88	1.17	0.65	37.61
Bethel												1.74	
Bloomfield	3.56	1.76	2.33	2.39	3.83	2.17	1.40	4.99	4.78	4.84	3.02	2.00	36.07
Brattleboro	2.85	2.89	2.30	5.05	3.52	5.83	4.84	7.22	3.96	0.81	1.39	2.31	42.97
Burlington	1.72	1.52	2.23	2.07	3.40	3.14	2.38	2.81	2.52	2.45	2.27	0.31	26.82
Cavendish	3.11	2.85	2.51	4.48	3.39	5.37	5.46	4.58	1.69	2.60	1.46	2.02	39.52
Chelsea	2.92	2.52	3.00	4.08	4.03	4.35	2.12	3.64	4.04	2.34	2.45	0.93	36.42
Cornwall	1.65	1.98	2.45	2.01	5.26	2.92	2.03	3.01	3.34	2.06	2.22	0.04	28.97
Enosburg Falls	3.27	2.52	3.67	2.77	5.50	3.93	4.61	4.41	3.88	5.28	4.16	0.77	44.77
Garfield	3.33	1.55	2.45	2.90	4.31	2.97	3.17	3.15	3.26	3.80	2.67	1.64	35.20
Northfield	2.26	1.57	2.14	3.39	3.27	2.79	1.99	4.12	3.96	1.80	2.24	1.15	30.68
Rochester											2.65	1.29	
Rutland	2.31	2.20	1.99	2.90	3.58	4.04	2.67	5.22	1.94	1.95	1.35	1.67	31.82
St. Johnsbury	3.32	1.96	1.98	2.76	4.33	2.41	2.47	4.03	3.46	2.23	1.92	1.84	32.71
Somerset	4.81	3.55	3.95	4.79	3.66	6.20	6.38	6.03	3.55	2.50	2.18	2.69	50.29
Vernon	3.29	2.38	2.07	5.02	3.38	4.80	6.70	9.61	3.51	0.54	1.44	2.05	44.79
White River Junction	2.53	2.47	2.35	3.16	3.00	3.50	3.89	4.79	2.02	2.06	0.94	1.61	32.32
Woodstock	2.99	2.84	2.32	4.30	3.91	5.94	2.88	4.46	2.20	1.60	1.24	2.63	37.31
Virginia													
Blacksburg	2.02	1.74	2.82	3.28	2.50	4.29	2.20	8.41	6.62	1.84	0.94	1.03	37.69
Bridgewater	1.69	2.50	1.85	4.12	1.95	2.59	3.15	4.25	3.71	0.67			
Broadway	0.89	1.21											
Buchanan	3.08	1.66	2.07	3.91	1.54	5.17	3.93	10.92	8.05	1.44	1.21	1.34	44.32
Burkes Garden	2.06	1.78	4.61	3.89	3.93	5.62	2.01	5.17	5.56	2.58	1.15	0.55	38.91
Callaville	3.54	2.62	2.31	6.30	2.33	7.35	4.69	5.67	12.13	0.72	1.30	1.86	50.82
Cape Henry	1.93	3.31	2.65	3.80	3.10	7.05	5.94	2.64	8.90	0.97	1.47	3.98	45.74
Catawba Sanatorium	2.95	1.73	2.33	3.49	2.26	5.76	3.35	13.12	9.43	1.42	0.75	0.81	47.40
Charlottesville (near)	2.03	2.94	1.91	5.54	1.43	3.74	3.92	11.97	5.26	0.41	0.95	1.45	41.55
Chatham	2.99	2.44	3.17	4.42	1.11		3.79	6.65	8.82	1.22	0.82	0.60	
Christchurch	2.13	2.64	2.90	6.14	1.92	6.82	6.17	4.11	7.22	0.44	1.72	2.45	44.66
Clarendon	2.75	3.07	2.20	4.91	4.63	3.66	4.00	11.95	4.60	0.73	1.48	1.87	45.85
Clarksville	2.22	2.59	3.45	6.26	2.67	4.28	3.18	5.93	7.60	0.78	0.80	0.90	40.66
Columbia	2.85	2.22	2.40	6.44	2.67	5.31	2.83	13.30	6.08	1.07	0.81	1.09	47.07
Culpeper	1.10	1.53	1.94	5.57	2.87		4.63	11.74	4.62	0.56	1.40	1.79	
Dahlgren	2.25	1.84	2.47	5.52	1.51	3.05	3.23	14.97	7.66	1.18	1.08	0.69	45.45
Dale Enterprise	1.92	2.16	2.01	3.20	2.56	5.12	2.01	8.29	2.98	1.12	1.41	1.36	34.12

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Virginia—Continued													
Damascus	2.10	1.10	3.95	4.90	3.76	4.65	2.52	6.21	6.09	3.24	1.32	1.04	40.88
Dante	2.70	1.95	4.80	5.75	4.72	5.54	4.72	6.91	5.61	2.75	3.15	1.37	49.97
Danville	2.51	2.59	3.47	5.90	2.10	3.76	2.77	8.95	9.26	0.82	0.75	0.87	42.75
Deerfield		1.48	1.60	4.36		4.11	2.50			1.20	1.36	2.69	
Diamond Springs	2.15	3.40	2.25	5.33	4.09	7.33	6.90	2.58	15.23	1.20	1.80	6.60	58.86
Emory	2.24	1.38	4.52	4.82	4.47	5.80	4.05	8.04	5.96	3.39	1.86	1.31	47.84
Falls Church	2.21	3.04	2.20	4.88	4.28	3.34	2.12	11.79	4.29	0.88	1.64	1.79	42.46
Fredericksburg (near)	1.60	2.36	2.28	2.85	2.16	4.30	3.35	12.08	4.77	0.48	0.89	1.94	39.06
Glenlyn	2.91	1.16	4.38	4.18	3.80	3.58	2.23	8.43	6.57	2.27	2.06	1.39	42.96
Hopewell	2.18	2.32	2.22	4.59	1.99	6.24	3.10	5.30	6.88	0.27	1.33	1.48	37.90
Hot Springs	1.24	1.17	1.86	4.07	3.12	4.37	4.25	8.62	4.19	1.94	1.26	0.55	36.64
Ivanhoe	1.90	1.43	1.66	4.63	2.36	3.93	1.47	10.99	7.45	1.80	0.72	0.73	39.07
Langley Field	1.08	2.00	1.69	3.51	2.68	4.49	3.88	2.04	9.73				
Lexington	1.90	1.96	1.98	3.80	2.73	3.20	2.11	9.05	5.68	1.39	1.07	1.42	36.27
Lincoln	2.03	2.88	2.75	6.16	2.05	8.11	2.96	4.78	4.25	0.94	1.96	1.28	40.15
Lynchburg	2.53	2.40	1.93	4.55	0.66	2.98	3.55	14.87	6.01	0.65	0.79	1.02	41.94
Marion	1.97	1.41	3.44	4.29	6.50	3.66	3.39	6.81	6.49	4.12			
Massinacue	2.95	2.71	3.45	7.23	1.09								
Mayhurst	1.80	3.02	1.99	4.68	2.01	4.68	5.76	12.92	4.25				
Mendota	1.79	1.40	4.39	5.94	4.08	6.04	4.34	5.40	6.56	3.47	1.91	2.06	47.38
Mineral	2.00	2.77	1.92	4.10	1.70	5.85	3.91	11.70	7.71	0.47	1.09	1.18	44.40
Mount Weather	1.73	2.21	1.94	5.58	2.09	6.84	3.26		3.21	1.49	1.57	1.44	
New Canton	2.38	2.71	2.83	5.48	1.36	6.46	3.16	18.65	6.60	0.85	0.81	1.48	52.77
Norfolk	1.51	2.85	2.73	4.24	2.14	7.84	4.41	2.05	9.79	1.24	1.92	3.85	44.57
Onley	1.54	2.85	2.17	4.55	2.29	4.22	2.75	2.66	9.33	1.31	1.57	3.87	39.11
Pedlar Dam	2.57	2.57	1.74	4.12	1.03	3.64	4.65	10.54	5.44	1.12	0.86	2.38	40.66
Powhatan	1.80	1.82	2.43	5.95	1.09	5.70	2.65	12.46	6.97	0.13	0.86	1.27	43.13
Quantico	1.64	2.20	2.00	4.41	2.31	3.81	1.84	15.27	3.32	0.23	0.93	1.80	39.76
Radford	1.59	0.96	2.02	3.06	2.23	4.14	1.92	7.66	7.01	1.56	0.61	0.85	33.61
Randolph	3.11	2.44	3.32	5.82	1.14	4.11		7.81	9.15	0.74	0.70	1.15	
Richmond	2.23	1.84	2.71	6.86	1.99	7.19	1.95	8.05	7.01	0.40	1.20	1.46	42.89
Roanoke	1.83	2.10	1.46	4.18	1.49	2.22	2.16	9.73	9.52	1.02	0.78	0.66	37.15
Rocky Mount	2.54	3.10	3.62	3.70	1.75	3.36	5.26	15.11	9.48	1.32	0.69	0.80	50.79
Runnymede	1.56	2.33	3.28	5.09	2.03	6.24	3.92	5.38	10.44	1.10	1.76	2.65	45.78
Saltville	2.76	1.76	4.88	4.64	5.78	4.80	2.14	8.20	6.06	2.52	2.06	1.79	47.30
Speers Ferry	3.12	2.56	5.03	5.77	4.96	6.52	2.29	4.68	7.14	3.35	1.90	2.07	49.39
Staunton	1.34	0.90	3.15	3.94	2.03	5.40	3.35	9.71	4.68	0.90	1.50	1.58	38.49
Stuart	1.90	2.56	3.43	5.40	3.47	4.17	3.35	16.91	10.92	1.76	0.95	1.20	56.02
Vienna	2.94	2.93	2.18	5.10	3.86	3.91	2.04	9.69	4.34	1.02	1.78	1.87	41.66
Wallaceton	1.32	3.79	3.31	6.83	2.99	6.13	9.47	4.41	10.60	1.65	2.51	4.51	57.52
Warsaw	2.70	2.95	3.87	5.60	1.88	6.95	3.72	14.17	6.72	0.60			
Williamsburg	2.26	3.63	2.71	4.66	1.76	5.48	2.28	3.58	9.52	0.54	1.73	3.34	41.51
Winchester	1.35	2.07	1.75	4.17	1.89	7.54	2.85	5.93	4.06	0.80	0.60	2.10	35.11
Woodstock	1.42	1.78	2.38	5.51	1.61	6.47	2.50	5.12	3.51	1.22	1.78	0.89	34.19
Wytheville	1.95	0.89	2.15	3.35	3.56	5.65	2.83	5.44	5.06	2.32	0.92	0.76	34.88
Virgin Islands													
St. Croix:													
Annally	3.32	2.02	0.91	3.81	1.93	1.66	2.59	5.90					
Bonne Esperance	1.43	1.09	1.78	1.21	1.77	1.46	1.82	4.06	21.32	5.45	6.76	2.29	50.44
Christiansted	1.44	1.05	0.78	1.41	2.46	0.45	2.22	3.84	18.69	5.13	6.54	2.04	46.05
Experiment Station	1.91	1.86	2.77	2.01	2.40	1.52	2.40	2.45	[14.62]	4.52	6.03	1.81	44.80
Fredericksted (Prosperity Estate)	3.22	1.58	1.22	2.08	1.91	1.24	1.54	5.25	16.09	4.54	9.13	3.00	50.80
King's Hill	1.61	2.00	2.33	1.88	1.70	1.32	2.52	2.37	[18.95]	6.28	8.14	2.05	51.15
St. John:													
American Hill	1.90	1.20	1.55	0.46	2.95	2.12	2.45	3.44	15.79	6.48	4.88	2.86	46.08
Cruz Bay	2.50	1.23	1.35	0.37	2.16	1.30	2.62	4.54	[18.62]	3.33	4.96	3.48	46.46
St. Thomas:													
Anna's Retreat	2.08	1.19	1.71	0.35	4.62	1.57	2.45	6.38	22.10	5.77	4.96	3.79	56.97
Charlotte Amalie	2.64	1.45	1.88	2.25	3.57	1.36	2.86	4.50	18.78	5.07	8.72	4.26	57.34
Washington													
Aberdeen	13.69	4.18	14.00	8.66	1.65	0.83	0.83	0.10	2.63	9.68	9.94	10.47	76.66
Adna						0.61	0.55	0.00	0.47	3.21	3.93	5.98	
Alpowa Ranch	1.64	0.24	1.19	1.08	0.51	1.37	1.23		0.24	0.84	0.41	0.39	
Anacortes	4.19	0.63	3.18	1.86	0.16	1.38	0.27	0.44	0.88	4.03	1.60	2.35	20.97
Anatone	2.93	0.43	1.53	1.59	0.09	2.22	1.08			1.56	1.36	1.94	
Baker Lake	16.42	2.87	14.82	7.06	2.03	2.93	1.05	0.77	3.28	14.70	10.55	11.34	87.32
Beaver						1.16	1.13						
Bellingham (near)	4.75	1.05	2.87	3.17	0.26	2.21	0.60	0.60	1.18	5.50	2.56	2.47	27.22
Bickleton	1.08	0.15	1.18	1.11	0.11	0.34	0.21	0.17	0.16	0.56	2.00	2.09	9.16
Blaine	6.84	1.46	5.55	3.19	1.02	1.30	1.08	0.36	1.52	5.71	3.87	4.10	36.00
Blewett Pass	3.02	0.43	1.91	1.05	0.44	1.31	0.31	0.13	0.52	1.60	0.99	2.69	14.40
Bremerton	6.92	1.28	8.30	3.73	0.66	1.44	0.16	0.00	0.78	3.36	4.72	6.35	37.70
Brewster	0.88	0.17										1.30	
Brooklyn	9.93	2.99	17.45		1.89		0.86		1.39	8.80			
Buckley (near)	6.13	1.16	8.61	6.06	0.92	1.04	2.15	0.16	1.01	6.56	2.72	3.84	40.36
Bumping Lake	7.83	1.16	9.08	2.45	0.33	0.72	0.14	0.04	0.27	3.56	4.47	6.61	36.66
Canto	20.43	5.02	19.32	11.67	2.03	1.60	1.46	0.32	4.31	12.66	9.83	11.11	99.76
Carbon River Entrance	9.84	2.09	13.09	7.62	2.35	3.08	1.14	0.10	2.96	9.70	3.87	6.57	62.41
Cascade Tunnel	4.31	1.28	10.72	5.11	0.56			T.	0.98	9.75			
Castlerock	5.21	2.36	10.48	6.12	1.46	1.06	1.72	0.05	0.59	4.32	4.25	6.58	44.20
Cathlamet			13.29	9.29									
Cedar Lake	14.50	2.45	19.31	11.05	2.03	3.47	1.77	0.34	2.93	15.89	6.41	6.91	87.06
Centralia	5.72	1.17	9.17	4.71	1.01	0.38	1.00	0.02	0.55	3.98	3.80	5.47	36.98
Chesaw	1.10	0.25	0.82	1.23	0.79	2.97	1.61	1.12	T.	0.57	0.43	1.05	11.94
Chewelah	1.39	0.50	2.26	1.63	1.35	1.31	1.05	0.13	0.02	0.73	0.65	2.48	13.50
Chimacum	2.41	0.79		2.90	0.98	1.32	0.55	0.00	0.06	1.30			
Chiwaukum	5.06	0.63	2.41										
Chiwawa River	12.97	3.15	10.25	4.32	1.86	0.30	1.86	0.87	0.88	5.57	4.75	7.90	54.68
Clallam Bay	13.03	3.11	13.92	6.57	3.06				1.86	8.32	7.98	9.25	
Clearbrook	6.78	1.53	4.90	4.34	1.00	2.64	0.56	0.63	1.90	6.69	3.99	3.66	35.62
Clearwater					3.53	1.68	1.06	0.25	2.24	14.89			
Cle Elum	3.61	0.43	2.62	1.74	0.55	0.31	0.05	T.	0.15	1.90	1.30	2.59	15.26
Colfax	2.55	0.33	3.90	1.40	0.30	0.59	1.37	T.	0.17	1.20	1.61	1.81	15.23
Colville	1.19	0.56	1.76	1.54	1.24	1.63	1.26	0.16	0.05	1.06	1.13	2.20	13.18

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
***Washington*—Continued**													
Conconully (near)	0.87	0.37	0.62	1.18	0.50	1.19	1.31	0.16	T.	0.52	0.94	1.77	9.43
Concrete	5.29	2.23	8.18	5.22	1.69	2.56	0.32	0.04	1.44	8.32	6.09	6.91	48.30
Cougar	14.68	9.27	25.34	17.76	3.52	2.38	1.73	0.38	2.70	14.55	13.30		
Coupeville	2.45	0.56	1.34	1.73	0.26	1.17	0.15	0.29	0.57	2.21	0.64	1.37	12.74
Cushman Dam	17.09	4.61	18.66	9.50	4.44	0.54	0.28	0.03	2.08	6.87	13.77	15.53	93.40
Cusick	1.73	0.33	3.25	2.06	0.75	1.28	1.30	1.44	0.24	1.59	2.64	4.24	20.85
Darrington	7.64	2.63	12.16				0.85	0.08	1.61	10.71	6.69		
Davenport	1.68	0.52	1.55	0.91	0.49	0.22	0.39	0.54	0.08	0.44	0.79	1.28	8.89
Dayton (near)	3.91	0.52	5.79	2.53	0.15	0.28	0.62	0.24	0.44	1.15	1.43	1.36	18.42
Deer Park	1.58	0.35	2.92	1.70	0.77	0.30	1.14	0.10	T.	1.14	1.93	2.70	14.63
Diablo Dam								0.45	1.52	11.70	6.55	7.46	
Dirtyface Mountain								0.22	0.64	2.68	2.47		
Domke Lake	4.98	1.34	3.28	3.13	0.31	1.00	0.81	0.78	0.04	1.51	1.95	5.15	24.28
Dryden	2.48	0.12	0.84	1.05	0.12	0.67	0.48	0.03	0.08	0.76			
Ellensburg	1.46	0.10	0.45	0.70	0.12	0.31	0.18	0.35	0.26	0.49	0.74	1.35	6.51
Ephrata	1.36	0.07	0.75	0.44	0.17	0.24	0.22	0.07	0.07	0.20	0.53	1.04	5.16
Everett	2.43	1.48	4.54	3.51	0.34	1.23	0.13	0.04	0.81	3.94	2.59	3.19	24.23
Forks	22.20	6.65	21.30	12.71	3.66	1.34	1.05	0.20	3.60	17.88	13.26	12.80	116.65
Goldendale	5.42	0.40	2.22	1.28	0.14	0.34	0.09	0.67	0.36	0.55	2.34	3.05	16.87
Grapeview	9.36	1.47	10.37	5.33	1.19	0.51	0.56	0.01	0.54	4.78	4.89	6.13	45.14
Guler	8.62	1.22	11.58	4.74	0.51	1.29	0.04	T.	0.16	2.87	5.78	9.27	46.08
Gunn Ranch	1.41	0.38	0.74	1.46	0.17	1.57	0.71	0.15	0.01	0.73	0.81	2.58	10.72
Hanford	1.34	0.09	0.63	0.71	0.12	0.08	0.15	0.05	0.01	0.58	0.49	1.33	5.58
Harrington					0.32	0.23	0.36	T.	0.12	0.38	1.05	1.55	
Hartline	1.16	0.30	0.91	0.42	0.20	0.10	0.46	0.17	0.06	0.16	0.74	0.90	5.58
Hassan	0.69	0.58	0.95	1.40	0.40	1.75	0.96		0.00		1.53	1.71	
Hatton (near)	2.07	0.19	1.00	0.87	0.16	0.16	0.29	0.06	0.33	0.37	0.97	1.99	8.46
Headworks	3.62	1.45	8.85	5.37	1.26	1.71	1.17	0.00	0.68	3.91	3.59	7.46	39.07
Index										10.28	6.35	9.36	
Irene Mountain	0.76	0.12	0.95	1.53	0.40	3.33	2.53	1.33	0.15	0.51	0.27	0.67	12.55
Kahlotus (near)	2.21	0.30	1.24	1.39	0.14	0.15	0.23	0.47	0.37	0.49	1.15	1.90	10.04
Kalama (near)	6.01	2.52	13.43	10.93	1.53	1.63	1.06	0.10	1.36	5.26	7.20	11.36	62.39
Kelso	4.30	1.04	6.40	4.90	1.02	0.76	1.49	T.	0.73	2.87	3.22	5.99	32.72
Kennewick (near)	1.84	0.22	1.04	0.97	0.06	0.82	0.30	0.08	0.42	1.02	0.38	0.94	8.09
Kent	4.25	0.90	7.61	3.68	0.61	2.09	0.82	0.07	0.61	4.58	2.62	3.83	31.67
Kettle Falls (near)	1.09		1.53	1.22	0.74	0.84	1.15	0.86	0.00	0.41	1.06	2.32	
Keyport	4.57	0.88	7.17	2.56	0.55	0.71	0.00	0.00	0.46	2.62	4.25	4.87	28.64
Kiona	2.07	0.19	1.50	0.60	0.17	0.24	0.10	0.15	0.15	0.93	0.77	1.96	8.83
Kosmos			14.04	7.52	1.60	2.90							
La Center (near)	4.09	2.68	9.61	6.42	0.77	1.04	0.75	0.02		4.55	5.32	6.60	
La Crosse (near)	2.00	0.24	2.72	1.42	0.35	0.28	0.95	0.02	0.24	0.67	1.30	1.69	11.88
Lake Clealum	6.58	0.71	6.10	3.33	0.94	1.54	0.42	T.	0.75	5.10	2.74	3.74	31.95
Lake Kachess	10.23	1.61	8.21	4.12	1.23	1.83	0.38	0.25	1.29	6.39	2.83	5.00	43.37
Lake Keechelus	9.43	1.87	10.50	6.55	1.88	2.40	0.50	0.12	1.34	8.94	4.89	9.26	57.68
Lakeside	1.43	0.08	0.53	0.86	0.08	0.70	0.46	0.22	0.06	0.31	0.69	1.32	6.74
Lake Sutherland												7.59	
Lakin Ranch	2.43	0.57	4.08	1.05		0.82	0.87		0.11	1.22			
Landsburg	7.03	1.28	10.60	6.64	1.05	1.83	1.69	0.05	1.52	8.76	3.37	5.53	49.45
Laurier	1.38	0.61	1.13	1.28	2.66	2.58	1.35	0.42	0.00	0.33	0.47	1.58	13.79
Leavenworth	3.81	0.58	2.03	1.15	0.13	1.10	0.14	0.45	0.12	1.58	1.62	3.92	16.63
Lemanasky Lake	0.76	0.52	1.27	1.72	0.67	2.01	1.77	0.03	T.	0.52	1.45	2.09	12.81
Lester	8.96	1.14	8.50	6.50	0.90	2.68	0.55	0.02	1.29	6.74	3.08	3.86	44.22
Lewis	6.70	1.19	9.02	4.15	1.32	1.92	0.45	0.04	0.74				
Lind (near)	1.53	0.17	1.13	0.69	0.27	0.56	0.19	0.08	0.21	0.26	0.98	1.56	7.53
Longmire	11.72	1.86	14.28	7.90	1.34	1.77	1.78	0.17	1.65	9.41	5.46	8.38	65.72
Longview	3.90	1.11	8.02	5.01	0.90	0.80	1.58	0.01	0.37	3.04	3.53	7.30	35.57
Loomis						1.83	1.39						
Lost Creek (near)	1.31	0.35	1.61	1.90	0.30	2.40		0.24	0.00	0.52	0.83	1.91	
Lowden	2.96	0.53	1.34	1.49	0.21	0.12	0.40	0.70	0.46	0.91	0.60	1.10	10.82
Mansfield	1.35	0.24	0.47	0.69	0.28	0.60	0.52	T.	0.00	0.19	0.63	1.20	6.17
Mansfield (near)	1.37	0.10	0.60	0.61	0.32	0.44	0.81	0.01	0.02	0.20	0.65	1.25	6.38
Marble	1.00	0.35	1.02	0.83	1.12	1.92	1.79	0.25	0.00	0.61	0.83		
Marcus			1.50	0.80	0.90	1.24	0.81	0.01	T.	0.26	1.14		
Marietta	5.09	1.31	3.23	2.74	0.23	2.00	0.25	0.65	1.08	4.99	2.44	2.44	26.45
Mayfield	5.84	1.77	14.86			1.67	1.32	0.11	0.99	5.20	4.51	5.02	
Mill Creek	6.04	0.77	8.33	6.07	0.10	0.90	1.00	0.14	1.61	3.01	2.46	2.20	32.63
Mottinger	2.52	0.22	1.01	0.90	0.10	0.03	0.00	0.21	0.92	0.53	0.55	1.20	8.19
Mount Baker Lodge [1]	13.91	3.33	28.98		5.82						9.42	9.94	
Moxee (near)	1.23	0.10	0.68	1.03	0.23	0.06	0.09	0.12	0.42	0.66	0.71	1.15	6.48
Naches Heights	1.00	0.36	0.76	0.80	0.05	0.23	0.29	0.07	0.32	0.37	0.73	2.00	6.98
Nespelem (near)	1.05	0.24	0.97	0.78	0.37	0.73	1.03	0.13	T.	0.26	1.02	1.29	7.87
Newport (a)	1.66	0.61	3.97	2.36	0.69	1.11	1.15	0.14	0.02	2.92	2.08	2.07	18.78
Newport (b)			3.75	1.58	0.82	1.18	1.06	0.00	0.00	2.62	2.09		
North Head	7.43	2.61	7.23	5.88	0.58	1.42	0.77	0.20	2.13	4.59	6.32	4.75	43.91
Northport	1.58	0.59	1.36	0.82	1.17	2.52	1.14	0.51	0.00	0.66	0.83	1.57	12.75
Oakville	6.99	1.95	11.50	6.46	0.77	0.17	0.69	0.00	0.79	4.14	4.35	6.00	43.81
Odessa	1.45	0.17	1.08	0.61	0.33	0.30	1.15	T.	0.14	0.14	0.74	1.05	7.16
Ohanapecosh					1.19	3.03	1.55	T.	1.87	8.02	6.50		
Okanogan	0.92	0.27	0.67	1.00	0.44	0.88	1.42	0.20	0.01	0.16	1.21	1.56	8.74
Olga	4.19	0.87	2.36	2.21	0.10	0.95	0.38	0.40	0.84	4.21	1.77	2.35	20.64
Olympia	6.21	1.96	10.53	5.54	1.27	0.27	1.07	0.00	0.41	5.10	4.41	5.15	41.92
Omak	1.00	0.19	0.67	0.77	0.10	0.69	0.81	0.00	T.	0.15	0.94	1.61	6.93
Ozoville						2.06	1.35	0.25	0.00	0.28	1.24	1.15	
Palmer (near)	10.20	2.95	17.42	13.33	2.17	4.47	1.72	0.26	2.27	14.51	6.32	6.56	82.38
Paradise Inn	15.35	3.80	14.95	11.03	1.82	2.16	2.24	0.85		13.88	9.03	10.03	
Peola	2.15	0.27	2.10	1.29	0.54	0.98	1.54	T.	0.47	1.91	1.76	0.59	13.60
Pilchuck Creek				7.41	1.22	2.45	0.29	0.36	1.76	9.30	7.39	8.39	
Pomeroy							1.02	T.					
Port Angeles	3.41	0.72	2.85	1.14	0.29	0.50	0.50	0.12	0.52	3.27	1.92	2.85	18.09
Port Townsend	1.73	0.58	1.35	1.55	0.59	0.77	0.10	0.00	0.41	2.02	0.54	2.26	11.88
Prosser	1.03	0.12	1.06	1.05	0.03	0.30	0.06	0.06	0.26	0.76	0.70	1.82	7.25
Prosser (near)				1.01		0.58				0.72		1.73	
Pullman	3.58	0.35	4.95	1.50	0.74	1.18	0.49	0.08	0.14	1.36	1.20	1.42	18.99
Puyallup (near)	6.48	0.86	9.20	4.93	1.08	0.43	0.50	T.	1.13	4.86	2.83	3.81	35.71

[1] Formerly Heather Meadows.

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
***Washington*—Continued**													
Quilcene	3.43	1.47	6.35	3.18	0.48	1.52	0.64	0.00	0.41	2.25	5.68	8.32	33.73
Quinault	23.56	6.61	21.04	12.17	4.13	1.05	1.69	0.12	3.32	15.54	12.99	18.42	120.64
Quincy	1.11	0.04	0.53	0.58	0.10	0.34	0.09	0.03	0.12	0.24	0.66	1.18	5.02
Randle	10.60	1.05	11.75	7.67	1.48	1.37	0.97	0.01	1.78	6.44	3.69	6.95	53.76
Republic	1.43	0.41	1.44	1.16	0.65	2.05	1.45	0.18	0.02	0.20	0.60	2.05	11.64
Rimrock	4.04	0.40	3.84	2.18	0.16	0.64	0.16	0.10	0.08	1.71	2.67	2.94	18.92
Ritzville	1.79	0.22	1.56	0.84	0.35	0.28	0.44	0.00	0.14	0.47	1.17	1.67	8.93
Rock Island (near)	1.26	0.01	0.33	0.61	0.32	0.26	0.12	0.07	0.18	0.43	0.80	1.53	5.92
Rosalia	2.39	0.27	3.23	1.56	0.28	0.31	1.15	0.01	0.06	1.13	1.80	1.76	13.95
Ruby Creek					1.15	0.58	0.00	0.13	0.18	8.11	5.58	2.98	
Ruff	1.52	0.24	1.19	0.80	0.39	0.39	0.76	0.05	0.22	0.23	0.79	1.35	7.93
St. Helens			12.94	7.40	1.32	2.23	1.80	0.40	1.10	4.03	5.64	5.61	
Satsop					1.67	0.46	0.46	0.05	1.53	6.75	5.51	6.71	
Seattle	4.97	0.91	5.87	2.60	0.31	1.32	0.11	0.01	0.53	3.19	2.29	3.49	25.60
Seattle, Boeing Field								T.	0.64	3.86	2.76	4.41	
Seattle, State University	5.41	1.07	5.65	2.98	0.38	1.35	0.21	0.00	0.66	2.66	2.95	3.99	27.31
Sedro Woolley	6.42	1.71	5.61	3.90	0.80	1.87	0.81	0.66	1.09	6.44	3.11	3.13	35.55
Sequim	1.85	0.16	2.11	1.06	0.05	0.88				2.04	0.69	1.85	
Silverton (near)	17.62	3.60		12.68			0.93	0.22					
Sixprong (near)	1.65	0.15	1.23	0.70	T.		0.18	T.	0.20	0.49	0.73	1.31	
Skagit Powerplant	10.93	1.78	10.56	5.24	1.69	1.94	0.95	0.62	1.85	12.62	8.20	7.21	63.59
Snoqualmie Falls	5.67	1.14	11.21	6.36	1.08	2.37	1.64	0.03	1.69	8.09	3.37	5.78	48.43
Snoqualmie Pass	15.33	2.10	14.95	6.86	1.93	3.77	0.67	0.16	2.89	15.25	5.51		
South Bend (near)	8.56	3.20	14.56	8.59	1.85	0.59	1.16	0.27	2.43	7.06	8.04	7.80	64.11
Spokane	1.75	0.22	1.88	0.93	0.48	0.43	1.26	T.	0.07	0.52	1.24	1.81	10.59
Sprague	2.13	0.22	1.70	0.95	0.21	0.30	0.64	0.00	0.06	0.66	1.40	1.94	10.21
Spruce	17.82	6.55	22.07	12.40	4.80	1.89	1.24	0.15	2.63	13.74	11.71	14.50	109.00
Startup (near)	7.20	2.15	9.25	7.27	0.68	3.02	1.16	0.25	2.01	9.51	3.18	6.24	51.92
Stehekin (near)	5.85	1.07	4.11	2.05	0.30	0.72	1.48	0.43	0.26	2.87	2.64	5.87	27.65
Stockdill's Ranch	2.32	0.25	0.95	1.54	0.16	1.79	0.55	0.31	0.02	0.90	0.65	2.76	12.20
Sullivan Lake (near)	1.44	0.62	3.05	1.99	2.05	2.68	1.47	0.62	T.	1.80	1.92	2.73	20.37
Sunnyside	1.69	0.04	0.65	0.87	0.15	0.11	0.04	0.37	0.31	0.52	0.66	1.23	6.64
Tacoma	6.03	0.85	7.67	3.28	0.70	0.48	0.51	0.03	0.48	4.18	2.68	3.25	30.14
Tatoosh Island	13.97	4.11	12.42	7.07	3.37	0.84	0.71	0.62	3.20	11.24	9.04	6.53	73.12
Tieton Canyon	3.19	0.45	2.47	1.78	0.12	0.62	0.16	0.69	0.07	0.90	1.86	2.63	14.94
Timentwa	0.77	0.22	0.83	1.28	0.41	1.55	1.48	0.03	0.00	0.15	0.94	1.83	9.49
Toppenish	1.74	0.06	0.71	0.74	T.	0.09	0.03	0.47	0.22	0.51	0.65	1.57	6.79
Touchet Ridge	6.47	1.05	11.01	5.35	0.45	0.90	1.24	0.44	0.86	3.09	2.74	2.23	35.83
Trinidad (near)	1.19	0.09	0.54	0.42	0.00	0.30	0.13	0.11	0.12	0.44	0.63	1.16	5.13
Tye	9.54	1.80	12.96	6.15	1.38	4.87	0.60	0.24	2.84	9.67	4.44	3.46	57.95
Vancouver	5.48	0.92	6.01	3.97	0.75	0.87	0.37	T.	0.75	1.93	4.99	6.11	32.15
Vashon Island	7.08	1.34	7.94	4.01	0.98	1.30	0.31	0.01	0.78	5.12	3.50	5.55	37.92
Wahluke	1.75	0.06	0.74	0.90	0.09	0.13	0.00	0.12	0.10	0.43	0.35	0.98	5.65
Walla Walla (a)	2.88	0.29	2.59	1.35	0.02	0.38	0.58	0.18	0.86	1.04	0.75	1.32	12.44
Walla Walla (b)			2.88	1.18	0.34	0.63	0.62	0.13	0.90	1.10			
Wapato	1.37	0.06	0.56	0.85	T.	0.11	0.10	0.71	0.25	0.48	0.71	1.90	7.12
Waterville	1.40	0.08	0.40	1.30	0.12	0.76	0.44	0.02	0.09	0.31	0.76	1.73	7.41
Wellpinit	0.86	0.16	1.78	1.78	0.41	0.60	0.03	0.03	0.02	0.95	1.10	1.45	9.17
Wenatchee	1.58	0.02	0.32	0.48	0.07	0.47	0.35	0.04	0.27	0.41	0.64	1.23	5.88
Wenatchee (near)	1.68	0.20	0.81	0.80	0.09	1.50	0.18	0.15	0.17	0.70	1.06	1.95	9.29
White River Entrance				6.18	1.30	1.75	0.76	0.07	0.61	4.33	2.23		
White Salmon (near)	6.49	0.74	6.36	1.29	0.40	0.58	0.14	T.	0.12	1.09	4.21	5.73	27.15
White Swan	1.29	0.14	0.97	0.85	0.02	0.40	0.25	0.06	0.05	0.32	0.85	2.68	7.88
Wilbur	1.26	0.33	1.05	0.82	0.29	0.09	0.28	0.06	0.07	0.33	0.91	1.32	6.81
Wind River	9.61	1.99	22.40	10.31	1.81	0.78	0.52	0.01	0.72	6.94	11.80	14.94	81.83
Winthrop	1.22	0.26	0.39	1.48	0.19	1.90	0.54	0.22	T.	0.42	0.87	2.06	9.55
Wishkah Headworks	19.19	5.56	21.32	14.23	4.39	0.57	1.34	0.03	4.16	13.82			
Wynoochee Oxbow	28.06	6.55	25.48	15.27	4.98	0.79	1.98	0.25	4.33	16.64	17.30	17.79	139.42
Yacolt	9.66	3.09	15.29	9.89	1.33	1.91	0.87	0.01	1.60	6.79	9.40	11.31	71.15
Yakima	1.41	0.05	0.70	1.21	0.20	0.20	0.13	0.08	0.38	0.47	0.62	1.81	7.26
West Virginia													
Aberdeen	2.52	2.41	4.27	6.95	3.84	6.65	5.37	4.79	2.68	1.85	3.74	2.26	47.33
Alma (near)	1.64	2.97	3.44	4.72	2.99	10.10	4.77	7.08	1.83	1.99	3.15	2.24	46.92
Arbovale	2.30	2.25	3.60	3.98	1.59	7.15	5.02	4.73	3.18	1.53	4.34	1.74	41.41
Bancroft	2.46	2.33	3.79	4.69	1.51	7.70	5.11	4.70	2.86	2.46	2.81	1.63	42.05
Bayard	4.52	5.63	7.64	8.00	5.30	9.67	6.85	7.76	4.07	2.66	6.09	5.22	73.41
Bens Run	1.58	3.80	4.12	3.98	2.01	11.45	6.30	5.78	1.57	2.41	2.86	1.91	47.77
Benson	2.08	2.32	3.39	4.98	4.10	7.37							
Bluefield	2.53	1.53	2.94	3.59	3.21	3.00	3.94	4.36	4.66	3.26	1.24	0.64	34.90
Brandywine	1.20	0.85	1.25	4.25	1.15	6.10	3.15	6.15	2.75	1.55	1.85	1.05	31.30
Brownsville	2.49	2.19	3.66	4.16	3.78	6.96	6.53	4.55	3.60	1.96	4.05	2.47	46.40
Bruceton Mills	2.54	5.21	4.79	5.79	2.14	8.23	6.57	8.38	2.67	1.80	3.98	1.98	54.08
Buckhannon	2.44	2.80	6.64	6.48	4.28	7.72	5.17	5.23	2.59	2.52	4.10	2.47	52.44
Cairo	1.93	2.57	3.65	5.16	2.20	6.26	3.12						
Camden-on-Gauley	2.40	1.29	3.26	4.93	1.45	11.03	3.77	5.74	4.30	2.06	6.05	1.34	47.64
Charleston	2.28	2.12	4.36	5.84	1.82	8.06	3.04	6.86	2.58	1.58	3.38	2.06	43.98
Clarksburg	2.05	2.05	3.27	5.07	3.01	5.10	3.41	5.91	1.82	2.11	2.28	3.06	39.14
Clay	2.75	2.11	4.39	6.40	1.38	10.47	4.76	6.06	4.31	1.92	3.86	2.75	51.16
Cortland	3.83	3.08	4.15	4.96	3.70	10.88	2.38	4.10	1.45	1.84			
Crawford	2.41	2.11	5.06	6.66	3.61	7.66	5.28	5.40	2.69	2.01	4.46	2.69	50.04
Creston	2.62	2.83	2.79	5.20	2.46	7.82	2.47	6.23	1.88	2.83	2.95	2.10	42.18
Dam No. 6, Great Kanawha River	1.89	1.75	3.58	4.95	1.35	7.30	2.69	6.38	2.19	1.55	3.04	1.29	37.96
Dam No. 10, Monongahela River	2.02	2.60	4.11	6.81	1.91	4.51	5.48	5.19	1.91	1.32	2.15	2.82	40.33
Dam No. 12, Ohio River	1.81	2.89	4.54	4.17	2.28	6.02	7.56	1.85	1.50	2.10	1.98	2.08	38.78
Dam No. 13, Ohio River	1.78	3.07	4.56	4.62	2.28	5.30	8.97	3.82	1.38	1.87	1.84	1.86	41.35
Dam No. 15, Monongahela River	1.72	2.41	4.18	6.05	2.38	5.19	3.99	5.89	1.99	1.56	2.74	2.47	40.57
Dam No. 19, Ohio River	1.88	2.82	3.67	3.99	2.07	8.10	3.55	5.68	1.94	3.26	2.78	2.74	42.48
Dam No. 20, Ohio River	1.82	3.01	3.39	4.18	2.36	7.68	3.41	5.29	2.06	2.28	2.72	2.40	40.60
Dam No. 25, Ohio River	2.15	2.43	3.17	3.29	1.34	5.78	2.79	4.27	1.42	2.00	2.82	1.82	33.28
Dam No. 26, Ohio River	1.90	2.19	3.40	3.35	1.38	7.40	2.35	2.90	2.03	1.57	2.55	1.58	32.60
Davis	3.36	3.27	4.73	7.18	3.63	11.65	4.42	7.13	2.70	2.33	4.74	3.31	57.85
Elizabeth	2.42	2.40	3.37	3.95	2.09	8.00	1.65	5.86	2.33	1.61	3.45	1.51	38.54
Elkins	2.81	2.53	3.33	6.74	3.94	7.99	4.81	4.77	2.34	1.71	3.08	2.68	47.63
Evenwood	2.19	2.87	4.36	7.18	3.73	5.74	2.26	3.27	2.24	3.41	5.12	1.05	41.42
Fairmont	1.69	2.87	3.95	4.78	2.71	4.09	5.06	4.94	1.86	1.53	1.92	2.56	37.96
Gary	1.84	1.16	3.84	4.14	4.62	4.33	2.66	6.43	2.62	1.72	1.88	1.30	33.94
Glenville	2.33	2.50	4.86	5.79	2.90	7.04	5.55	6.25	2.92	2.38	3.73	2.83	49.08

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
West Virginia—Continued													
Grafton	----	----	----	----	1.50	5.45	6.18	6.85	1.32	1.55	----	2.05	----
Harpers Ferry	1.22	2.48	5.00	6.91	1.03	5.43	3.51	5.84	4.61	1.44	2.58	1.46	39.51
Hinton	2.25	0.85	3.88	3.85	2.45	6.02	4.07	8.43	4.55	1.39	1.71	1.76	41.21
Horner	2.40	3.85	4.72	6.07	4.38	7.58	5.89	5.50	2.82	3.26	2.53	3.64	52.64
Horton	2.95	2.72	3.47	4.31	2.65	8.85	2.85	3.58	2.27	2.02	4.30	2.20	42.17
Inwood	----	----	----	----	1.19	7.18	1.18	5.33	----	----	----	----	----
Janelew	1.88	2.01	3.49	5.80	4.15	6.36	5.62	4.68	1.63	1.70	3.45	1.75	42.52
Kanawha Falls	2.45	1.80	3.77	6.18	2.95	7.69	4.17	5.61	4.14	1.95	4.36	2.18	47.25
Kayford	2.54	1.84	3.99	6.37	1.82	8.77	5.26	8.38	4.58	2.66	4.54	1.85	52.60
Karmit	2.47	1.85	2.71	6.57	3.62	11.57	4.22	4.87	1.80	2.03	3.54	1.00	46.85
Lewisburg	1.79	1.57	2.56	3.19	2.01	5.45	4.11	5.98	3.74	2.03	2.00	1.35	35.78
Logan	3.10	1.96	4.25	6.81	3.24	10.32	5.00	5.82	3.88	1.85	4.30	1.78	53.21
Lost Creek	2.23	2.07	3.79	5.69	3.65	6.18	3.52	3.08	2.19	2.02	3.02	2.37	39.81
Mannington	2.09	2.94	4.05	5.76	2.30	5.65	6.85	7.46	2.00	2.08	3.25	2.07	46.50
Marlinton	3.04	3.07	----	----	1.98	9.19	5.19	7.54	4.41	1.68	5.00	2.26	----
Martinsburg	1.78	2.38	3.16	6.84	1.53	7.73	3.71	7.05	4.65	1.58	1.33	1.85	43.59
Moorefield	0.12	1.84	3.33	5.22	1.71	4.21	2.56	4.24	4.27	0.84	1.45	0.77	30.56
Morgantown	1.30	2.87	3.95	4.33	1.44	4.66	3.98	4.45	1.54	1.65	2.28	2.37	34.82
New Cumberland	2.07	4.16	4.37	3.82	3.01	9.70	5.79	2.70	0.81	2.24	2.01	1.98	42.66
New Martinsville	1.70	4.05	3.55	4.80	2.25	7.55	6.55	7.35	1.55	2.16	3.15	1.70	46.35
Organ Cave	1.09	2.44	2.00	3.29	1.95	4.50	2.56	4.68	6.45	2.25	2.21	2.39	35.81
Parkersburg	1.46	2.73	3.54	3.15	1.84	8.63	2.61	4.75	1.67	2.18	2.88	1.59	37.03
Parsons	----	3.06	6.69	4.29	----	----	5.57	4.31	1.49	2.37	5.45	5.50	----
Parsons (No. 2)	2.81	2.43	3.45	5.64	3.97	5.85	4.03	5.02	1.89	2.43	5.42	2.62	45.56
Perry	----	----	----	----	----	----	3.34	7.43	5.69	0.58	5.31	0.24	----
Philippi	3.16	2.69	4.03	6.50	4.03	7.46	5.28	5.91	2.78	1.92	3.46	3.60	50.92
Pickens	4.55	6.06	6.48	7.04	3.29	11.69	4.66	7.96	4.14	2.61	9.41	2.64	70.53
Piedmont	1.29	1.77	3.43	4.54	1.66	6.29	3.39	2.91	2.02	0.59	2.18	1.13	31.11
Point Pleasant	2.19	2.46	3.99	3.30	1.95	5.62	2.85	3.66	1.17	2.16	2.76	2.64	34.75
Powellton	2.08	----	----	----	----	----	----	----	----	----	----	0.70	----
Ravenswood	2.14	2.26	3.83	3.75	2.04	6.69	2.13	5.11	1.78	1.60	2.25	2.05	35.63
Roanoke	2.55	2.17	4.08	4.91	4.13	7.85	6.64	4.59	2.42	2.13	4.38	1.91	47.76
Robertsburg	1.98	2.20	3.37	3.63	1.43	6.02	2.12	3.24	2.03	2.18	2.83	1.70	32.73
Romney	0.57	----	2.27	6.01	0.70	7.41	1.83	3.09	4.53	0.91	0.88	0.60	----
Rowlesburg	3.16	3.30	5.28	6.13	3.86	6.97	6.24	6.31	1.69	1.74	4.11	3.34	52.13
Ryan	2.46	2.57	3.90	5.20	2.30	9.11	3.57	3.74	3.72	2.97	4.30	1.36	45.20
Saint Marys	1.83	3.58	4.61	4.56	2.31	9.52	3.28	6.70	1.85	2.78	2.62	2.25	45.89
Sharples	3.27	1.75	3.95	7.62	2.98	10.59	3.98	6.21	3.79	2.05	5.61	1.76	53.56
Smithfield	0.58	1.55	2.08	3.32	1.28	3.53	----	----	----	----	----	----	----
Spencer	2.58	2.41	3.73	4.41	2.23	7.92	1.90	3.61	2.33	1.72	3.10	2.02	37.96
Stony River Dam	2.71	1.83	4.11	5.79	2.03	6.94	2.74	5.30	3.36	2.53	3.38	2.22	42.94
Sutton	2.65	2.75	4.54	6.35	3.10	11.24	4.75	5.77	2.70	2.12	5.93	2.93	54.83
Terra Alta	2.81	2.94	3.99	4.96	3.20	6.41	5.68	5.79	1.88	2.11	3.33	1.66	44.76
Union	2.16	1.45	2.42	2.57	2.29	4.76	1.93	4.33	3.18	2.76	1.48	1.24	30.57
Upper Tract	1.06	0.40	1.32	3.81	0.55	1.55	1.10	2.55	4.57	0.95	0.65	0.50	19.01
Valley Chapel	2.37	1.78	4.13	5.27	3.55	6.95	4.20	3.96	2.14	2.12	3.19	2.41	42.07
Vandalia	1.39	3.06	2.89	6.07	4.00	7.31	----	4.53	1.96	2.13	4.07	2.18	----
Wardensville	1.32	1.74	3.02	3.84	----	9.68	1.77	5.93	4.97	1.15	----	----	----
Wayne	3.20	1.72	4.24	4.73	2.62	9.75	2.63	6.41	2.19	2.67	3.98	1.17	45.31
Wellsburg	1.45	3.59	4.51	3.90	1.65	7.02	7.44	3.86	1.46	2.08	2.56	1.78	41.30
West Milford	2.22	2.22	4.19	5.49	3.91	8.15	3.13	6.35	2.49	2.06	3.22	2.60	46.04
Weston	2.99	2.58	3.58	5.35	4.25	8.60	5.80	5.05	3.10	1.79	3.66	2.76	49.51
Wheeling	1.80	3.29	4.47	4.23	2.13	6.10	6.88	2.04	1.58	1.83	1.93	2.04	38.32
White Sulphur Springs	2.12	1.15	2.51	3.07	1.99	4.36	3.40	4.54	6.15	2.05	1.90	1.55	34.79
Williamson	2.34	1.89	3.97	6.88	4.39	7.70	3.26	6.61	3.04	1.57	4.51	1.75	47.91
Woodlands	1.79	3.15	3.98	4.96	2.47	8.09	5.09	6.57	0.98	2.56	2.03	2.32	43.99
Wisconsin													
Amery	0.55	1.57	0.23	3.15	1.91	3.67	4.20	4.29	3.25	4.84	0.38	1.16	29.20
Antigo	0.28	0.57	1.42	3.15	2.02	2.90	8.52	6.82	6.24	4.88	0.58	0.32	37.70
Appleton	0.32	3.34	2.55	2.07	2.01	4.05	2.74	4.19	4.12	3.38	1.68	1.48	31.93
Ashland	0.65	0.40	1.20	2.64	1.70	3.88	7.15	3.32	2.63	3.62	0.43	1.12	28.74
Beloit	0.41	0.54	1.06	1.88	1.84	4.29	3.50	5.87	1.69	5.09	5.39	2.17	33.73
Berlin	0.51	2.85	1.97	2.96	1.77	4.01	4.91	6.22	2.94	3.61	2.33	1.34	35.42
Big St. Germain Dam	0.72	0.85	0.94	2.45	2.10	5.40	4.11	4.83	6.15	3.71	0.81	0.38	32.45
Blair	0.18	2.25	----	----	----	----	----	----	5.33	3.63	0.81	1.29	----
Brookwater	0.63	1.17	1.14	1.83	1.79	3.17	3.31	5.01	7.07	4.41	0.85	0.32	30.70
Brillion	0.44	3.95	3.10	2.19	1.33	3.04	1.46	4.41	3.31	3.96	1.90	1.36	30.45
Brothead	0.40	1.38	1.45	1.93	1.58	7.45	2.34	8.89	1.36	3.67	5.55	1.72	37.72
Brule Island	0.74	1.40	1.58	3.39	2.78	2.90	2.41	5.44	6.88	4.16	0.69	0.59	32.96
Burnett	0.33	1.64	1.64	1.49	2.10	3.75	1.70	4.02	1.92	4.22	4.11	1.33	28.25
Chippewa F. K. Reservoir	0.50	0.47	0.40	2.06	2.92	5.25	4.10	3.30	3.50	4.35	0.60	0.87	28.31
Coddington	0.32	2.43	0.99	----	2.46	3.84	5.25	7.90	4.26	3.91	1.62	0.27	----
Cornucopia	0.48	0.13	1.11	2.94	1.03	2.81	4.43	2.45	3.61	2.71	0.42	1.31	23.43
Cuba	0.39	1.84	2.26	2.32	1.54	3.80	2.40	10.85	1.20	4.43	4.59	1.68	37.30
Danbury	0.49	0.76	1.18	3.02	2.38	5.84	7.90	5.39	5.80	3.70	0.42	1.22	38.10
Darlington	0.33	1.79	2.46	2.51	1.35	4.58	1.47	12.76	1.43	5.85	5.13	1.68	41.34
Dekrakin Dam	1.08	0.97	1.04	2.53	2.47	3.75	5.28	4.81	6.18	6.21	1.24	0.44	36.00
Dowling	0.98	----	0.60	2.50	0.84	3.56	2.72	----	3.25	3.10	0.20	----	----
Eau Claire	0.73	1.97	0.79	4.47	2.56	4.65	4.13	7.26	4.41	2.63	0.87	0.66	35.07
Flambeau Reservoir	1.54	0.56	1.07	2.52	2.45	5.14	4.30	5.11	6.23	4.77	0.81	0.76	35.26
Florence	0.60	0.66	0.71	1.56	2.90	3.69	3.10	6.08	7.67	4.49	0.25	0.29	32.00
Fond du Lac	0.23	1.77	3.10	2.57	1.19	4.97	2.46	6.01	1.97	4.03	3.06	1.43	32.79
Grand River Locks	0.30	2.10	1.50	1.59	2.16	3.90	3.31	7.20	2.10	3.33	2.14	0.85	30.48
Grantsburg	0.37	0.95	0.45	3.02	3.02	4.03	5.13	5.92	5.15	4.36	0.71	0.54	33.65
Green Bay	0.36	1.89	2.40	2.29	1.17	5.50	3.46	3.52	2.34	3.71	1.18	0.92	29.04
Hancock	0.38	3.08	1.01	1.99	2.05	3.06	3.44	6.06	4.60	3.45	1.36	0.82	31.33
Hatfield	0.30	1.52	0.51	2.61	1.89	4.35	6.71	7.86	6.22	5.10	1.00	0.41	38.48
High Falls	0.12	0.77	1.47	1.76	1.65	3.38	5.18	5.67	4.32	4.09	0.63	0.75	29.78
Hillsboro	0.06	0.80	1.10	2.27	1.26	4.04	4.80	7.35	3.92	3.34	3.03	1.32	33.31
Iron River	0.96	0.30	0.57	2.84	1.58	4.08	6.83	3.37	3.72	2.72	0.40	1.46	28.83
Kewaunee	----	1.18	1.49	1.46	----	3.51	2.27	2.41	2.68	4.17	1.57	1.56	----
Kilbourn	0.13	2.71	2.08	2.55	3.30	5.62	1.85	5.91	2.08	3.72	3.79	1.72	35.41
La Crosse	0.50	2.13	1.09	2.41	2.99	3.25	6.14	8.69	4.73	3.05	1.64	1.10	37.78
Lafayette	0.71	0.86	0.51	2.36	1.23	3.94	1.56	5.90	4.33	4.18	0.46	0.83	26.87
Lake Mills	0.24	1.28	2.34	2.28	1.78	5.89	2.06	5.51	1.01	3.89	4.94	1.79	33.01
Lancaster	----	1.35	1.90	1.37	2.00	4.52	3.69	11.80	2.32	4.82	4.79	0.74	----

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Wisconsin—Continued													
Leona	0.70	0.53	1.48	2.96	2.63	3.18		5.07	7.10	5.45	0.75	0.20	
Long Lake	0.79	0.94	1.21	3.11	2.10	3.25	5.09	5.99	7.54	4.65	0.93	0.46	36.06
Madison	0.40	1.76	2.91	2.57	2.97	6.33	2.64	4.69	1.78	3.34	4.86	1.64	35.89
Manitowoc	0.76	3.42	2.69	2.19	1.31	2.90	1.60	4.98	2.52	2.95	3.14	1.81	30.27
Marinette	0.41	2.24	1.76	2.02	1.51	2.92	3.66	6.11	4.03	3.64		0.84	
Marshfield	0.14	0.50	0.58	3.09	3.79	2.91	4.53	9.41	5.42	5.63	0.83	0.39	37.22
Mather	0.10	1.76	1.03	1.74	2.90	3.62	3.57	7.62	5.99	3.29	1.61	0.88	34.11
Mauston	0.20	2.37	1.58	2.22	3.60	4.14	5.43	6.30	4.22	3.51	0.97	1.11	35.65
Meadow Valley	0.34	2.07	0.79	1.40	1.58	3.38	2.67	6.79	5.78	2.71	1.13	0.62	29.26
Medford	0.22	1.39	0.73	3.00	3.15	2.99	5.60		5.89	3.58	0.99	0.50	
Mellen	0.87	0.55	0.33	4.09		3.02	4.22	3.69	5.12	4.15	0.41	1.21	
Menasha	0.41	3.22	2.07	1.93	1.67	4.43	2.68	4.60	4.40	3.34	1.52	1.26	31.53
Merrill	0.25	0.98	0.64	2.40	2.33	2.78	4.23	5.34	6.91	4.13	0.61	0.26	30.86
Milwaukee	0.36	1.36	2.22	1.79	2.44	6.95	1.47	4.02	1.50	3.05	4.88	1.97	32.01
Milwaukee Co. Airport	0.33	1.51	2.02	1.37	1.85	5.07	1.69	3.27	1.91	2.68	4.01	2.92	29.23
Minocqua	0.47	0.70	1.03	2.34	2.46	3.79	4.04	4.31	6.62	4.44	1.16	0.28	31.64
Mondovi	0.12	1.74		4.33	2.20	5.08	4.87	8.41	4.81	2.71	0.80	0.09	
Neillsville	0.22	1.40	0.32	2.23	2.27	2.75	4.94	8.17	7.17	4.88	1.05	0.66	36.06
New London	0.20	3.54	2.67	2.78	1.06	3.55	3.67	6.71	3.13	3.50	1.76	1.24	33.81
Oconto	0.37	1.38	1.90	2.17	2.40	4.86	4.31	5.50	3.75	7.36	0.99	0.87	35.86
Oshkosh	0.45	3.59	1.74	3.32	2.27	3.29	2.45	4.46	3.05	3.00	2.02	0.87	30.51
Park Falls	1.30	0.60	0.88	3.46	2.71	4.44	4.29	4.36	5.64	4.29	0.52	0.99	33.48
Pine River	0.33	3.57	2.04	2.62	0.92	3.54	4.49	4.79	3.87	3.30	1.83	1.09	32.39
Plum Island	1.40	2.05	1.24	1.75	1.38	2.47	3.59	4.88	6.77	5.58	2.11	1.09	34.31
Plymouth	0.50	2.01	2.53	1.62	1.52	5.06	2.18	5.71			3.40	2.05	
Portage	0.51	2.32	1.91	2.38	2.12	5.35	3.18	5.62	2.08	4.14	2.92	1.53	34.06
Port Washington	0.41	1.88	2.42	1.83	3.23	7.10	2.33						
Prairie du Chien	0.32	2.24	1.48	1.90	2.24	4.46	2.72	12.92	2.98	3.40	3.96	1.28	39.90
Prairie du Sac	0.45	1.39	1.41	1.56	1.23	3.89	0.94	5.51	1.66	3.36	2.86	0.92	25.18
Prentice	0.41	1.18	0.90	3.71	2.06	3.32	3.72	3.87	6.05	4.73	0.71	0.10	30.77
Racine	0.85	1.47	3.74	2.87	2.20	6.76	2.58	3.19	2.80	3.63	5.48	2.43	38.00
Rest Lake	0.55	0.50	1.74		2.05		4.05	6.64	4.44			0.30	
Rhinelander	0.78	1.10	0.97	2.62	2.22	2.93	6.28	4.41	7.26	4.87	0.57	0.18	34.19
Richland Center	0.17	1.94	1.97	2.00	1.87	3.81	2.24	7.71	2.48	2.90	4.20	1.50	32.79
River Falls	0.33	0.82	0.62	3.32	2.64	4.25	5.45	6.86	2.72	3.61	0.31	0.62	31.55
Shawano	0.60	1.46	2.40	2.77	1.51	3.66	4.06	8.96	4.30	6.52	0.49	0.60	37.33
Sheboygan	0.66	2.49	2.97	2.48	3.74	4.78	2.38	6.43	1.90	4.99	3.46	2.33	38.61
Solon Springs	0.46	0.72	0.58	3.28	2.05	5.40	6.80	3.20	3.45	3.15	0.55	1.22	30.86
Spooner	0.58	0.72	0.56	1.45	1.53	4.81	3.83	4.18	4.98	4.06	0.78	0.76	28.24
Stanley	0.58	1.25	0.70	3.71	1.96	3.49	3.44	7.67	5.97	2.23	0.81	1.02	32.83
Stevens Point	0.46	2.14	2.25	2.63	1.81	4.03	3.99	9.33	5.49	4.42	1.12	1.08	38.55
Sturgeon Bay	0.44	1.48	1.55	1.48	2.31	3.63	1.55	3.44	2.94	5.17	1.56	1.41	26.96
Superior	0.40	0.20	0.60	2.32	1.29	5.77	6.81	5.20	3.90	2.77	0.17	1.04	30.47
Tomahawk			1.01	2.90	2.37	2.58	3.28	3.76	6.76	4.68	0.69		
Viroqua	0.35	2.75	0.60	1.45	1.76	3.94	4.43	7.19	4.58	3.10	2.53	0.29	33.07
Watertown	0.57	1.46	2.35	2.22	1.32	5.60	3.01	5.24	2.35	4.46	4.32	0.80	33.70
Waukesha	0.18	0.95	2.03	1.42	3.35	5.82	1.81	4.19	1.36	2.90	4.45	2.50	30.09
Waupaca	0.22	2.06	2.29	2.57	1.38	4.18	3.66	5.89	4.28	3.48	1.30	0.77	32.08
Wausau	0.52	0.91	1.06	3.11	2.29	3.28	3.69	8.75	5.64	4.52	0.61	0.46	34.84
West Bend	0.53	1.54	2.34	1.84	2.96	5.91	4.81	6.81	1.08	3.96	4.28	1.98	38.04
Weyerhauser	0.52	0.80	0.56	1.98	2.25	6.55	3.66	4.06	4.32	5.49	1.14	0.68	32.01
Williams Bay	0.62	1.46	2.57	2.45	2.23	5.45	4.19	7.04	1.55	3.96	5.91	2.64	39.47
Wisconsin Rapids	0.39	2.09	1.64	2.02	1.85	3.34	4.85	7.65	5.37	3.36	0.92	0.59	34.07
Wyoming													
Afton (near)	1.31	0.17	0.45	0.60	1.20	2.30	1.40	0.71	0.54	2.25	1.89	1.24	14.06
Alta	1.24	0.82	1.61	0.67	1.71	2.86	1.26	0.58	0.47	0.99	0.81	1.13	14.15
Archer	0.10	0.41	0.02	0.36	3.78	2.61	1.45	0.72	0.06	0.54	0.73	0.02	11.40
Barnum	0.27	0.36	0.19	0.57	1.56	2.72	0.80	0.57	0.36	1.07	1.06	0.31	9.84
Basin	1.46	1.18	0.65	0.30	T.	1.98	1.07	1.18	0.33	0.62	0.81	0.34	9.92
Bedford	1.74	1.11	1.29	0.93	1.38	2.26	0.83	0.52	0.30	1.72	1.73	1.63	15.44
Border	0.63	0.52	1.82	0.71	0.42	1.55	1.97	0.00	0.72	1.57	1.39	1.76	13.06
Buffalo	0.93	0.95	0.56	1.22	0.95	2.68	2.15	1.26	0.68	0.86	0.81	0.63	13.68
Casper			0.74	1.41	2.92	3.71	2.73	0.94	0.45	1.17	2.05	0.36	
Centennial	1.43	1.14	2.30	1.11	2.02	1.40	0.97	0.19	0.39	0.82	1.81	0.77	14.35
Cheyenne	0.33	1.28	1.52	0.83	2.67	2.85	1.95	0.53	0.08	1.27	1.19	0.17	14.67
Chugwater	0.23	0.79	0.41	0.22	2.31	3.45	2.23	0.28	0.04	0.96	1.16	0.14	13.22
Clark	1.03	0.31	0.50	0.35	2.11	2.44	2.87	0.71					
Clarkelen (near)	0.64	0.63	0.73	0.33	1.89	4.26	2.50	1.44	1.48	0.41	0.76	0.20	15.27
Cody	0.20	0.28	0.28	0.11	1.58	2.98	2.70	0.29	0.08	0.47	0.58	0.18	9.98
Colony	0.53	0.30	0.75	0.83	1.71	3.81	5.30	0.86	1.33	0.83	0.86	0.27	17.32
Crandall Creek	3.36	0.39	1.15	1.00	0.96	3.10	3.12	1.13	0.87	1.69	1.43	0.39	18.59
Deaver	0.44	0.41	0.02	0.07	0.58	0.79	2.02	0.11	0.35	0.20	0.24	0.25	5.48
Diversion Dam	0.28	0.31	0.00	0.02	1.14	3.24	1.63	0.47	0.00	2.34	1.12	0.36	10.91
Dixon	0.58	0.42	0.76	0.43	1.15	1.15	0.30	0.93	0.22	2.54	0.96	0.49	9.93
Dome Lake	1.45	1.77	4.19	2.92	2.41	6.76	3.59	2.13	1.06	2.25	1.12	0.31	29.96
Douglas	0.34	0.55	0.62	0.74	3.76	3.10	2.44	0.92	0.59	1.47	0.75	0.44	15.72
Dubois	0.44	0.71	0.56	0.00	1.85	2.58	0.21	0.00	0.41	0.97	0.45	0.15	8.33
Dull Center (near)	0.43	0.10	0.90	0.15	3.85	2.00		3.02	1.38	1.38	1.56		
Dwyer	0.32	0.48	0.46	0.65	2.45	2.60	1.10	0.60	0.00	0.90	1.02	0.68	10.68
Echeta	0.45	0.70	0.90	1.07	1.98	3.89	4.05	1.75	0.86	0.78	0.89	0.48	17.80
Eden	0.26	0.22	0.47	0.25	1.47	0.78	0.48	0.04	0.00	0.20	1.42	0.25	5.86
Elk Mountain	0.77	2.80	0.68	1.70	3.35	3.90	2.42	0.70	1.25	2.21	1.60	0.00	20.78
Encampment	0.55	0.73	0.84	0.61	2.49	1.47	1.12	0.30				0.46	
Ervay	0.54	0.78	0.19	0.95	2.68	2.52	1.77	0.46	0.71	2.81	2.32	0.19	15.92
Evanston	0.23	0.30	1.15	0.70	1.81	0.97	0.65	0.51	0.02	1.46	2.05	0.34	10.29
Fort Laramie (near)	0.30	0.51	0.66	0.01	1.71	2.92	4.60	0.73	0.78	0.98	0.96	0.23	14.89
Foxpark							1.07	0.10	0.17	2.15	1.49	1.16	
Gillette (near)	0.44	0.45	0.96	0.90	1.79	3.50	2.90	0.93	1.50	0.76	0.98	0.20	15.31
Green River	0.29	0.13	0.47	0.57	1.68	0.15	0.18	0.02	0.01	1.58	1.50	0.31	6.84
Hampshire	0.73	0.11	0.44	0.02	1.72	2.07	2.37	1.05	1.08	0.58	0.43	0.06	10.95
Hecla	0.56	2.21	2.04	1.55	4.00	2.58	3.88	0.62	0.30	0.97	2.00	0.28	20.99
Hunter's Station	2.10	0.74	1.68	1.78	2.43	4.01	2.45	1.14	0.72	3.04	1.20	0.14	21.89
Jackson	1.08	0.15	2.01	0.76		1.40	0.60	0.06	0.15	0.70	1.06	1.43	
Kendall	1.88	0.43	1.12	0.84	0.90	2.05	1.60	0.89	0.05	3.26	0.69	1.04	15.35
Kirtley	0.25	0.43	0.35	0.56	2.99	5.71	2.84	0.20	0.69	1.41	0.50	0.18	16.06
Knowles	0.35	0.43	1.50	1.84	1.68	4.02	5.44	1.42	1.71	1.63	1.25	0.17	21.44

Monthly and annual precipitation (in inches and hundredths) for 1928—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
***Wyoming*—Continued**													
Lagrange	0.44	1.00	0.75	------	------	3.63	2.39	0.69	0.38	------	------	------	------
Lander	0.31	1.49	0.45	0.89	2.04	2.96	0.37	0.24	0.02	3.62	2.55	0.16	15.10
Laramie	0.33	0.84	0.44	0.58	1.88	2.03	2.98	0.61	0.17	0.90	0.44	0.11	11.31
Lovell	0.49	0.79	0.16	0.04	1.07	0.87	1.80	0.35	0.39	0.39	0.71	0.46	7.52
Lusk	0.45	0.51	0.34	0.54	2.76	3.78	4.46	0.55	0.81	0.96	0.55	0.23	15.94
Lyman	------	------	------	------	------	------	0.22	0.13	T.	1.32	2.26	1.08	------
Marshall (near)	0.51	0.77	0.66	0.38	3.45	3.60	2.24	0.37	0.10	0.46	0.46	0.33	13.35
Middle Fork (near)	0.30	1.40	0.71	1.59	3.91	4.20	0.65	0.17	0.04	3.30	2.92	0.13	19.32
Moran	2.49	1.04	3.83	2.76	1.14	3.36	1.55	0.88	0.48	1.72	1.10	1.66	22.00
Newcastle	0.24	0.18	0.30	0.17	3.39	4.09	2.73	0.74	1.56	0.58	0.27	0.26	14.51
Nine Mile Creek	0.10	0.08	0.23	0.11	0.88	2.62	1.27	1.89	1.58	0.53	0.37	0.07	9.73
Oshoto (near)	0.32	1.33	0.50	0.45	1.40	3.41	1.95	1.28	0.90	0.21	1.18	1.20	14.13
Pathfinder	0.39	0.16	0.45	0.38	3.00	2.94	0.65	0.31	0.33	1.38	0.83	0.27	11.09
Pavillion	0.11	0.09	0.00	T.	0.61	2.00	1.46	0.66	0.00	1.85	0.86	0.08	7.71
Pinebluff	0.01	0.46	0.70	0.45	3.01	3.88	2.04	1.11	0.05	1.54	0.77	T.	14.02
Pinedale	0.36	0.31	0.32	0.27	0.76	2.22	1.09	0.55	0.03	1.73	0.53	0.37	8.54
Powell	0.31	0.35	0.34	0.15	0.61	0.85	------	------	------	0.70	0.38	0.28	------
Quaking Aspen Creek	0.40	1.23	0.83	0.92	3.86	5.07	1.16	2.45	0.05	2.44	2.63	0.55	21.59
Rawlins	0.88	0.48	0.58	0.51	2.46	2.06	1.44	0.63	0.43	2.13	0.70	0.55	12.85
Riverton	0.06	0.15	0.15	0.60	0.94	3.34	1.53	0.08	T.	2.21	0.93	0.04	10.03
Rochelle (near)	0.58	0.06	0.64	0.03	1.46	4.03	1.65	0.92	1.33	0.38	0.37	0.68	12.13
Rockypoint	0.58	1.18	0.77	1.70	1.83	4.10	4.96	0.99	0.79	1.24	0.66	0.59	19.39
Ross (near)	0.40	0.18	1.18	0.20	1.96	3.46	3.84	0.78	0.98	0.36	0.63	0.20	14.17
Sage	0.17	0.36	0.59	0.51	1.27	1.33	0.97	0.06	0.04	1.47	1.86	0.72	9.35
Salt Creek	0.33	0.39	0.67	0.37	2.11	3.55	1.00	1.50	0.77	0.62	1.21	0.73	13.25
Saratoga	0.47	0.50	0.75	0.18	4.41	1.55	0.85	0.40	0.27	1.31	0.65	0.22	11.56
Sheridan	1.36	0.66	0.76	1.70	1.62	3.23	2.97	0.65	0.29	2.32	1.12	0.36	17.04
Sheridan Field Station	1.21	0.64	0.82	1.54	1.75	3.68	2.78	0.46	0.15	2.06	1.36	0.18	16.63
Shoshone Dam	0.24	0.60	0.39	0.23	3.34	4.41	4.21	0.96	0.00	0.14	0.48	0.89	15.89
South Pass City	0.29	0.29	0.90	0.51	2.29	2.17	0.81	0.02	0.06	0.78	1.29	0.57	9.98
Spencer (near)	0.79	T.	0.31	T.	2.81	3.63	2.24	0.53	1.50	0.91	0.40	0.12	13.24
Sundance	0.82	0.62	0.75	1.06	2.75	5.66	------	------	------	------	------	------	------
Tensleep (near)	0.95	0.95	0.45	0.45	0.50	2.03	1.70	0.93	0.64	2.80	1.45	0.80	13.65
Thermopolis	0.36	0.76	0.36	0.18	2.62	3.49	1.64	1.20	0.30	2.09	2.12	0.06	15.18
Torrington	0.04	0.71	0.62	0.31	2.43	4.57	3.93	0.41	0.24	1.60	0.46	0.16	15.48
Ulm	0.82	0.86	0.72	1.45	1.38	4.27	2.31	0.88	0.17	1.20	1.25	0.80	16.11
Upton	0.62	0.50	1.30	0.70	2.01	3.26	2.20	0.75	2.07	------	------	------	------
Wheatland	0.23	0.70	0.59	0.53	1.72	1.90	2.36	------	------	------	------	------	------
Worland	0.87	0.89	0.31	0.77	0.56	2.42	2.71	0.90	0.32	0.98	1.00	0.20	11.93
Yoder	0.35	1.18	0.88	0.53	1.90	3.37	3.43	1.71	0.80	2.06	1.40	0.35	17.96
Yellowstone Park	0.70	0.37	1.00	1.51	0.51	2.99	1.30	0.96	0.03	1.57	0.59	0.84	12.97
Buffalo Ranch	3.05	1.05	1.72	0.58	0.93	3.33	2.66	1.53	0.22	1.61	0.88	0.40	17.96
Gallatin	1.08	0.34	1.34	1.80	1.52	4.71	1.58	1.26	0.17	2.51	0.97	0.95	18.63
Lake Yellowstone	1.11	0.95	1.52	1.62	0.51	4.46	2.47	0.80	0.33	0.62	0.93	0.79	16.11
Riverside	0.98	0.50	1.41	1.38	0.90	3.03	1.23	0.82	0.12	2.00	1.24	1.28	14.89
Snake River	------	1.57	4.20	1.11	------	------	1.81	2.17	0.58	2.57	1.75	1.77	------

SNOWFALL, 1928-29

Monthly and seasonal snowfall, 1928–29

NOTE.—Leaders under heading of months indicate no snow; under seasonal, report incomplete; T., a trace; *, no report

[Inches and tenths]

Station	1928				1929					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Alabama										
Anniston										0.0
Auburn				T.						T.
Birmingham										0.0
Clanton										0.0
Decatur							T.			T.
Evergreen										0.0
Fayette										0.0
Florence							T.			T.
Gadsden										0.0
Goodwater										0.0
Greensboro										0.0
Guntersville										0.0
Highland Home										0.0
Maple Grove										0.0
Mobile										0.0
Montgomery				T.						T.
Ozark										0.0
St. Bernard							T.			T.
Troy				(*)						
Union Springs				T.	(*)					
Valley Head					(*)					
Alaska										
Akiak	(*)	2.5	13.0	20.0	10.0	3.0	(*)			
Allakaket	0.7	6.0	12.6	25.6	(*)	(*)	(*)	(*)	(*)	
Anchorage		(*)	9.8	(*)	(*)	(*)	(*)	(*)	(*)	
Annex Creek			12.0	26.0	28.0	34.0	25.0	12.0		137.0
Barrow	T.	10.0	10.6	2.4	3.8	(*)	(*)	(*)	(*)	(1)
Bethel	T.	3.0	9.0	11.5	6.0	0.5	5.0	2.2	T.	37.2
Calder			3.8	16.2	1.5	3.6	10.0	3.0		38.1
Chernofski Harbor		1.0	4.0	17.0	2.2	12.5	8.0			44.7
Chickaloon		4.0	26.5	24.2	30.0	27.0	25.0	4.0		140.7
Chignik		T.	7.0	20.9	2.0	19.5	5.5	2.5		57.4
Cordova		2.0	23.5	15.2	5.8	18.2	(*)	(*)	(*)	
Dillingham		2.0	12.5	20.0	12.5	22.5	30.2	10.2		109.9
Eagle	7.0	8.5	12.2	8.3	23.6	9.8	6.5	1.6		77.5
Fairbanks (near)	1.2	2.4	9.1	9.8	31.5	17.2	9.5	14.0		94.7
Fort Yukon		2.5	12.0	9.0	12.0	6.0	3.0	2.0		46.5
Goodnews Bay		2.0	10.0	7.5	1.0	7.0	11.0	2.0		40.5
Haines			14.0	6.5	9.5	14.5	8.2	T.		52.7
Holy Cross		2.0	22.0	20.0	12.4	11.5	21.0	22.2	T.	111.1
Jualin			23.1	22.0	24.2	22.4	36.2	4.7		132.6
Juneau			4.2	7.9	25.4	21.9	22.6	8.8		90.8
Kalsin Bay			1.8	2.6		7.6	(*)	1.0		
Kennecott	1.0	2.0	14.6	8.0	28.0	35.0	20.5	15.0		124.1
Ketchikan				0.3	4.3	6.7	7.4			18.7
Kiukpalik Island			5.5	5.0	(*)	(*)	(*)	(*)	(*)	
Latouche		1.0	15.5	37.0	17.0	21.5	40.0	4.8		136.8
Lignite	(*)	(*)	(*)	7.0	28.0	15.0	2.0	(*)	(*)	
McKinley Park	4.0	2.0	7.2	14.5	29.0	2.0	1.0	7.5	24.0	91.2
Matanuska			23.2	6.0	5.5	8.5	11.6	2.3		57.1
Naknek		0.5	11.0	6.5	0.5	11.0	2.0	0.5		32.0
Nome	T.	0.2	3.4	2.5	20.1	12.2	11.3	(*)	(*)	
Nyac	(*)	4.5	18.0	19.8	(*)	(*)	(*)	(*)	(*)	
Porcupine Creek		T.	30.2	44.8	10.0	5.0	7.0	1.0		98.0
Rampart	0.8	4.0	7.5	10.5	19.0	14.0	3.0	4.0		62.8
Russian Mission	T.	6.9	19.8	17.7	18.1	4.9	22.4	17.6	T.	107.4

[1] Trace in August, 1928.

Monthly and seasonal snowfall, 1928–29—Continued

[Inches and tenths]

Station	1928				1929					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Alaska—Continued										
St. Paul Island		0.1	6.8	5.5	4.1	6.3	13.8	3.0	T.	39.6
Shaktoolik	(*)	(*)	10.7	3.8	15.3	(*)	0.3	(*)	(*)	
Shelter Island				5.0	16.0	12.0	12.0	4.0		49.0
Shishmaref		1.5	2.5	2.2	6.5	2.5	15.2	(*)	(*)	
Sitka				T.		(*)	(*)	(*)		
Skagway		T.	7.0	15.5	1.6	(*)	(*)			
Talkeetna		8.0	29.0	45.0	31.0	75.0	20.0	24.0		232.0
Tanana	0.5	7.5	6.8	9.9	20.5	20.8	14.5	8.5	T.	89.0
Teller		4.0	21.3	17.8	19.0	(*)	(*)	(*)	(*)	
Valdez	2.0	15.2	63.5	150.7	42.7	123.4	84.5	31.0	4.0	517.0
Wales	6.6	1.5	4.5	21.2	23.0	14.5	32.5	(*)	3.0	
Whale Island			(*)	(*)	(*)	(*)	4.6	T.		
Wrangell			3.0	7.4	7.8	(*)	(*)	(*)	(*)	
Yakutat			6.5	23.0	3.0	(*)	(*)	(*)	(*)	
Arizona										
Alpine			10.5	9.5	11.0	32.0	2.0			65.0
Ashdale Ranger Station				4.0	4.0	7.0				15.0
Baboquivari				0.1		5.0				5.1
Bagdad					0.3	0.3				0.6
Benson				1.0		1.0				2.0
Bisbee			T.	3.5	5.0	2.0	1.0			11.5
Bright Angel Ranger Station		6.5	12.5	(*)	36.5	(*)	10.0	8.0		
Canille				4.0	2.5	6.0	2.0			14.5
Cibecue			T.	3.5	13.1	13.5	2.0			32.1
Clemenceau						0.4				0.4
Cochise Stronghold				4.0	3.0	T.				7.0
Crown King			1.5	11.0	8.0	23.0				43.5
Eagle Creek Ranger Station			T.	T.	1.0	7.0				8.0
Edgerton				0.5	3.0					3.5
Fairbank				T.	T.	T.	T.			T.
Flagstaff		T.	2.0	19.5	16.0	11.0	1.5	T.	T.	50.0
Fort Apache			T.	6.0	4.2	3.5	0.2			13.9
Fort Mohave						T.				T.
Fort Valley		1.5	10.0	31.0	20.0	7.0	5.0	1.0	T.	75.5
Globe				T.		(*)				
Grand Canyon		1.0	4.5	11.5	14.4	21.0	0.5	T.	T.	52.9
Helvetia				4.0	T.	8.0	2.0			14.0
Henrys Camp			1.2	5.8	11.8	13.5	0.2	(*)	(*)	
Holbrook			4.0	T.	4.0	5.0				13.0
Jerome			3.5	9.0	6.0	7.0	2.0			27.5
Kayenta		T.	2.0	6.5	0.4	2.3	0.5	0.5		12.2
Kingman					0.5					0.5
Lees Ferry				5.0	T.	1.5				6.5
Miami				T.	2.5	T.				2.5
Natural Bridge			T.	T.	8.0	14.0	2.0			24.0
Nogales				T.	T.	1.0	T.			1.0
Palmers Ranch				7.0	4.0	4.5				15.5
Paradise				2.0	4.0	3.5	T.			9.5
Payson			T.	2.0	18.5	18.0	T.			38.5
Phoenix										0.0
Pinal Ranch				6.0	1.5	12.0	T.			19.5
Pinedale			8.0	6.0	19.0	21.0				54.0
Prescott			1.6	16.6	18.1	16.0	5.9			58.2
Prescott Dry Farm			0.3	6.2	2.8	3.1	1.0			13.4
St. Johns			7.0	2.0	4.0	4.0	3.0			20.0
Santa Marguerita					T.	2.5	1.8			4.3
Seligman				5.0	4.0	3.5				12.5
Snowflake				T.	7.0	10.0	T.			17.0
Springerville			5.5	5.5	3.0	10.5	3.0			27.5
Superior				T.		2.0				2.0
Sycamore Ranger Station			T.	3.0	(*)	8.0	0.4			
Thatcher						T.				T.
Tombstone				4.0	T.	1.2	1.6			6.8
Truxton Canyon						3.0	T.			3.0

Monthly and seasonal snowfall, 1928–29—Continued

[Inches and tenths]

Station	1928				1929					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Arizona—Continued										
Tuba City			T.	1.0	0.6	1.6		T.		3.2
Tucson				2.3		1.0				3.3
University of Arizona				1.0		1.0				2.0
Waters Ranger Station			9.0	5.5	25.0	29.5	3.0			72.0
Willcox (near)				1.0	1.0	2.0				4.0
Williams		T.	2.2	12.0	17.2	20.0	1.0	2.0		54.4
Winslow			7.0	T.	5.0	4.5	T.			16.5
Yaeger Canyon			7.0	9.0	11.0	13.0	4.0			44.0
Young				6.0	13.0	24.0				43.0
Yuma (Weather Bureau)										0.0
Arkansas										
Arkadelphia						1.4				1.4
Batesville					T.	10.0				10.0
Bee Branch					T.	13.0				13.0
Bentonville			T.	1.0	2.5	16.0				19.5
Brinkley						3.5				3.5
Calico Rock					T.	11.5				11.5
Clarendon						2.0				2.0
Corning						12.2				12.2
Dardanelle						10.5				10.5
Dumas										0.0
Dutton			T.	T.	0.5	22.0	T.			22.5
El Dorado										0.0
Fayetteville						12.8	T.			12.8
Fort Smith			T.	T.	T.	11.2				11.2
Freeman Springs					T.	21.5				21.5
Georgetown						11.0				11.0
Gilbert				T.	T.	27.5				27.5
Gravette			T.	T.	2.0	13.2	T.			15.2
Helena					T.	0.8				0.8
Hope						1.0				1.0
Jonesboro						15.6				15.6
Lead Hill					T.	11.0				11.0
Little Rock					T.	6.9				6.9
Lurton					T.	25.0	0.5			25.5
Lutherville						21.4				21.4
Mammoth Spring					0.7	17.4				18.1
Mountain Home					T.	12.0				12.0
Mount Ida						9.0		T.		9.0
Ozark					T.	9.0	T.			9.0
Piggott						12.0				12.0
Pine Bluff						2.0				2.0
Rogers			T.	0.1	0.8	16.3	T.			17.2
Waldron					0.5	19.9				20.4
Wynne					T.	7.5				7.5
California										
Big Creek		T.	16.0	14.5	22.8	8.0	31.2	24.2		116.7
Bishop Creek		1.0	6.0	14.0	17.0	5.0	20.0	4.0	4.0	[2] 71.0
Blue Canyon			21.0	29.0	25.0	24.0	36.0	32.0		[2] 170.0
Bowman Dam		T.	31.0	39.0	35.0	41.0	30.0	37.5	2.5	216.0
Camptonville (near)			8.0	25.0	13.5	9.0	12.5	10.0		78.0
Canyon Dam			15.5	13.0	12.0	10.0	4.0	10.0		64.5
Cedarville			1.0	2.0	15.0	3.5	2.0	6.0		29.5
Chester			21.0	26.0	10.0	21.0	4.0	19.0	T.	[2] 101.0
Cliff Camp		4.0	21.0	39.0	30.0	16.0	28.0	38.0		[2] 176.0
Cuyamaca				10.5	14.5	22.5	9.0	3.0		59.5
Deer Creek		T.	18.0	29.0	15.0	10.0	24.0	18.0	T.	[2] 114.0
De Sabla			4.0	15.0	7.5	1.0	5.0	3.0		35.5
Dinkey Meadow		4.0	26.0	38.0	30.0	18.0	38.0	40.0		[2] 194.0
Downieville			4.0	31.0	10.2	11.7	9.0	13.0		[2] 79.4
Dudleys			2.0	9.0	16.0	T.	13.5	9.0		49.5
Ellery Lake		8.0	20.0	52.0	56.0	25.0	64.0	38.0	T.	[2] 270.0

[1] Trace in June, 1929.

[2] Includes June, 1929: Blue Canyon, 3.0; Downieville, 0.5; Ellery Lake, 7.0.

Monthly and seasonal snowfall, 1928–29—Continued

[Inches and tenths]

Station	1928				1929					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
California—Continued										
Eureka					T.			T.		T.
Fordyce Dam		3.5	27.0	47.0	43.0	55.0	55.0	52.0	3.0	[4] 287.5
Fort Bidwell			0.5	3.0	19.0	9.2	0.5	10.5		42.7
Fresno					T.		0.2			0.2
Gem Lake		10.0	14.0	37.0	39.0	33.0	54.0	34.0	3.5	224.5
Giant Forest		2.0	29.0	39.0	25.0	26.0	45.0	36.0		[4] 202.5
Glennville (near)				11.0	11.0	4.0	18.0	5.0		49.0
Grass Valley				23.0	T.	6.0	5.5	13.0		47.5
Hat Creek			2.0	10.5	1.2	4.5	3.5	3.0		[4] 25.2
Hayfork			T.	8.0	5.0		5.0	5.0		23.0
Helm Creek		11.0	35.0	38.0	41.0	13.0	44.0	47.0		[4] 238.0
Hetch Hetchy			4.5	16.5	10.0	9.0	29.0	12.5		81.5
Hot Springs				5.5	10.0	2.0	14.0			31.5
Hullville				3.2	1.5	T.	T.	0.5		5.2
Huntington Lake		4.2	27.0	39.0	36.0	33.5	42.5	32.0		214.2
Independence				T.	T.					T.
Inskip			28.5	28.5	34.0	20.5	18.0	14.5		144.0
Julian				(*)	6.0	13.0	8.0	(*)	(*)	
Lake Eleanor		T.	23.0	19.0	28.0	16.0	37.0	24.0	T.	147.0
Lake Sebrina		4.5	9.0	20.0	21.0	9.5	27.2	18.8	5.8	[2] 115.8
Lake Spaulding		T.	21.0	31.0	34.0	36.0	36.0	34.0	2.5	[2] 194.5
La Porte		T.	26.0	(*)	23.5	13.0	20.0	18.0	T.	
Lick Observatory				4.0	9.0	T.	6.0	1.5		20.5
Los Angeles										0.0
Lundy Lake		4.0	14.5	19.0	25.5	22.5	25.5	22.5		[2] 133.5
McCloud			11.0	37.0	6.0	2.0	T.	5.0		[2] 61.0
Mill Creek (Amador County)				8.0	15.0		15.5	3.0		41.5
Mineral		T.	24.5	27.0	17.0	18.5	18.0	25.0	2.0	[4] 134.0
Mount Shasta			17.0	35.0	10.0	4.0	3.0	6.0		75.0
Mount Wilson			0.5	8.0	7.0	4.0	4.5	1.0		25.0
Nevada City			0.5	8.0	7.0	4.0	4.5	7.0	T.	31.0
Norden		5.0	27.0	50.0	49.0	58.0	67.0	56.0	T.	[4] 322.0
North Bloomfield			5.0	23.5	8.5	8.0	7.0	10.0	T.	62.0
Placerville					8.5		6.0			14.5
Portola			5.0	8.0	(*)	(*)	4.0	8.5	T.	
Quincy			2.0	10.0	6.8	2.2	1.0	4.0		26.0
Red Bluff				0.7	7.1			T.		7.8
Redding				3.5	6.3			T.		9.8
Sacramento										0.0
San Diego										0.0
San Francisco										0.0
San Jose										0.0
Seven Oaks		10.0	6.0	10.0	22.0	13.0	15.0	4.0		80.0
Shield's Ranch		7.8		6.0	3.0	7.0	3.0	11.0	T.	37.8
Sierraville		T.	11.0	5.5	18.0	13.0	17.0	19.0	T.	[5] 84.5
South Lake		7.0	13.5	26.0	21.0	24.0	36.5	20.0		[5] 152.5
Springville (near)		T.	8.5	29.0	20.5	6.0	30.0	18.5		112.5
Squirrel Inn		3.0	3.0	9.0	24.0	8.8	3.5	T.	(*)	
Tahoe		1.5	13.0	25.8	24.0	36.5	24.0	40.0		[5] 167.3
Tehachapi		T.	T.	7.0	8.0	6.0	13.0	4.0		38.0
Twin Lakes		4.0	22.5	34.7	33.0	36.0	60.0	66.5	3.0	[5] 270.2
Weaverville			T.	8.6	5.0		2.5	T.		16.1
West Branch			7.0	21.0	13.0	2.0	11.0	8.0		62.0
West Point			0.2	7.5	15.2		16.0	6.0	T.	44.9
Westwood			14.9	14.4	9.4	10.6	5.5	9.0	0.3	[5] 64.5
Yosemite		T.	8.0	9.0	13.5	7.0	36.0	20.0		93.5
Yreka			1.0	0.5	3.0					4.5
Colorado										
Boulder		T.	19.7	0.5	4.7	12.1	26.2	2.0		65.2
Buena Vista		T.	13.2	4.0	3.5	8.2	6.5	(*)	(*)	
Canon City			5.3	4.0	2.5	16.2	11.0	T.		39.0
Castle Rock		18.0	48.0	2.0	9.0	(*)	24.0	6.0	4.0	

[1] Trace in June, 1929.
[4] Includes June, 1929: Fordyce Dam, 2.0; Giant Forest, 0.5; Hat Creek, 0.5; Helm Creek, 9.0. Mineral, 2.0; Norden, 10.0.
[5] Includes June, 1929: Sierraville, 1.0; South Lake, 4.5; Tahoe, 2.5; Twin Lakes, 11.5; Westwood, 0.4.

Monthly and seasonal snowfall, 1928–29—Continued

[Inches and tenths]

Station	1928				1929					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Colorado—Continued										
Cedaredge	------	1.0	7.5	5.2	16.2	12.8	9.0	7.5	------	59.2
Cheyenne Wells	------	------	5.0	------	3.0	8.5	1.5	------	3.0	21.0
Columbine Ranch	------	T.	16.0	21.0	45.0	37.0	24.0	10.0	8.0	161.0
Crested Butte	------	12.0	27.0	16.0	42.0	40.0	47.0	25.0	8.0	217.0
Cumbres	------	13.0	56.7	19.8	95.0	84.0	54.8	30.0	2.8	356.1
Delta	------	------	2.0	2.0	9.8	7.0	3.0	0.5	------	24.3
Denver	------	7.7	23.1	0.1	2.8	15.2	24.8	6.5	0.4	80.6
Dillon	------	4.7	13.5	7.0	7.3	9.6	47.2	4.5	16.0	109.8
Echo Lake	------	10.0	32.0	2.0	------	5.0	22.0	8.0	22.0	101.0
Elk Creek	------	14.5	27.0	2.0	4.0	10.0	21.0	8.5	11.0	[2] 98.0
Fort Collins	------	4.0	15.0	0.5	3.0	9.0	11.2	T.	(*)	------
Fort Morgan	------	(*)	9.0	------	T.	7.2	3.2	(*)	------	------
Garfield	------	12.5	37.0	30.0	37.3	40.8	28.5	24.5	10.0	220.6
Grand Junction	------	------	4.5	12.6	10.0	8.5	2.5	1.2	------	39.3
Hartsel	------	T.	13.0	1.0	8.0	6.5	9.2	1.0	10.0	48.7
Hermit (near)	------	5.0	26.5	------	6.0	5.0	11.5	7.0	T.	61.0
Julesburg	------	T.	12.0	0.2	1.0	9.7	2.0	T.	0.5	25.4
Lake Moraine	0.2	7.0	54.0	5.0	8.0	9.5	33.5	9.0	19.0	145.2
Lamar	------	------	5.0	------	------	4.0	------	------	------	9.0
Las Animas	------	------	(*)	(*)	------	4.0	------	------	------	------
La Veta Pass	------	2.0	26.0	9.0	16.0	13.0	9.0	T.	13.0	88.0
Lay	1.0	12.5	5.5	22.0	24.5	29.5	29.5	18.0	4.0	146.5
Leadville	(*)	(*)	(*)	(*)	20.4	19.5	34.8	4.0	3.5	------
Long Branch	------	T.	7.0	T.	0.5	5.5	5.5	1.0	2.0	21.5
Longs Peak	T.	11.0	31.0	T.	8.5	14.0	44.0	8.5	23.0	[2] 140.0
Nast	------	10.9	20.5	17.8	25.0	19.5	52.4	15.0	6.0	167.1
North Lake	------	1.3	21.0	6.5	1.0	25.2	25.8	9.2	8.5	98.5
Pitkin	------	12.8	13.3	14.7	32.8	22.0	17.7	27.9	0.6	141.8
Pueblo	------	------	11.3	0.9	3.2	10.2	2.9	T.	------	28.5
Rico	------	14.0	27.0	20.0	45.0	10.0	22.0	22.5	5.0	165.5
Rocky Ford	------	------	11.0	------	0.2	0.1	0.2	------	------	11.5
Rugh Ranch	------	4.0	25.3	T.	5.0	21.0	(*)	2.2	------	------
Saguache	------	------	9.5	T.	1.9	1.0	T.	T.	------	[6] 12.4
Sapinero (near)	------	21.5	36.2	13.5	38.5	50.0	57.5	35.5	22.5	275.2
Savage Basin	1.5	68.0	76.0	26.0	73.5	73.0	107.0	94.0	59.0	[7] 581.0
Spicer	T.	11.0	9.0	6.0	15.4	15.0	19.0	15.0	6.0	96.4
Steamboat Springs	0.4	6.8	21.1	34.6	48.2	41.5	73.4	8.6	5.5	240.1
Wray	------	------	5.0	------	2.0	2.0	(*)	------	------	------
Connecticut										
Bridgeport	------	------	T.	0.9	7.2	7.5	0.5	------	------	16.1
Colchester	------	------	0.5	2.0	7.0	11.5	9.0	1.5	------	31.5
Cream Hill	------	0.8	3.6	1.8	27.2	15.0	14.5	12.0	------	74.9
Hartford	------	T.	T.	0.4	10.7	9.9	3.9	1.9	------	26.8
New Haven	------	T.	T.	0.9	5.6	8.4	1.6	T.	------	16.5
New London	------	------	------	2.4	5.3	7.3	T.	T.	------	15.0
Norwalk	------	T.	------	2.0	5.0	7.0	T.	T.	------	14.0
Waterbury	------	------	T.	1.5	8.0	8.5	5.0	------	------	23.0
Delaware										
Bridgeville	------	------	T.	13.0	1.0	7.8	T.	------	------	21.8
Dover	------	------	T.	7.0	0.7	9.0	T.	------	------	16.7
Milsboro	------	------	T.	10.1	0.4	8.9	T.	------	------	19.4
Wilmington	------	------	T.	6.0	1.0	8.7	T.	------	------	15.7
District of Columbia										
Washington	------	------	0.2	T.	0.3	7.5	T.	------	------	8.0
Florida [8]										

[2] Trace in June, 1929.
[6] Trace in July, 1928.
[7] Includes August, 1928; Savage Basin, 3.0.
[8] No snowfall reported in the State this season.

Monthly and seasonal snowfall, 1928–29—Continued

[Inches and tenths]

Station	1928				1929					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Georgia										
Albany										0.0
Atlanta			T.	T.	T.	T.	T.			T.
Augusta										0.0
Blue Ridge				0.1	T.	9.0	(*)	(*)	(*)	
Brunswick										0.0
Clayton				1.0	T.	6.0	T.			7.0
Concord				T.						T.
Cornelia				T.	T.	5.0				5.0
Dahlonega				T.	T.	4.0	T.			4.0
Gainesville				T.		3.0				3.0
Macon				T.						T.
Norcross				T.	T.	T.	T.			T.
Rome					T.	T.				T.
Savannah										0.0
Thomasville										0.0
Toccoa					T.	5.0				5.0
Waycross										0.0
West Point										0.0
Idaho										
Ashton	T.	T.	7.0	15.0	34.2	8.0	6.0	7.5	T.	[2] 77.7
Boise		T.	T.	2.7	27.0	3.8	3.9	1.1		38.5
Cambridge				22.0	39.0	14.0	1.0	2.1		78.1
Challis	T.		3.0	4.0	11.0	4.5	3.5			26.0
Hailey		T.	4.2	22.9	23.9	7.3	1.1	11.5	T.	70.9
Idaho City		T.	1.5	27.0	67.5	8.5		6.5		111.0
Idaho Falls		6.5	8.0	23.0	30.8	5.7	5.2	4.5	T.	[2] 83.7
Kellogg		(*)	1.0	4.5	34.7	19.3				
Kooskia				1.7	20.7	6.5		1.5		30.4
Lewiston			T.	0.9	24.1	8.8	0.3	T.		34.1
McCall		T.	9.0	26.0	26.0	8.0	2.0	25.0		96.0
Mackay		1.5	2.0	10.8	7.5	2.2	0.8	1.2	3.5	[3] 30.0
Montpelier	T.	25.0	15.5	11.4	22.5	18.0	3.5	4.0	T.	[2] 99.9
Moscow			0.5	5.7	44.1	10.3	1.0	8.2		69.8
Mountainhome				1.0	10.0					11.0
Oakley		T.	2.0	14.5	17.0	5.0	2.0	1.5		42.0
Obsidian			10.0	27.0	17.5	5.0	16.0	11.5		87.0
Pine		3.0	11.0	30.0	98.0	14.0	1.0	8.0		165.0
Pocatello	T.	1.7	6.3	14.0	25.1	9.3	6.0	16.5	T.	78.9
Porthill			3.0	13.5	8.5	7.0	3.5	2.0		37.5
Preston		2.2		7.8	15.7	7.6	6.1	0.5		39.9
Pyle Creek		T.	2.0	18.0	59.5	2.0	T.	1.0		82.5
Roland		T.	4.0	41.0	61.0	37.5	33.0	14.0	0.5	[2] 191.0
Rupert			2.0	9.0	28.5	1.0	6.0	T.		46.5
St. Maries				4.0	32.9	9.0		2.0		47.9
Sandpoint			1.5	23.5	14.0	8.5	0.4	3.5		51.4
Shoshone		T.	2.0	19.7	30.5	T.	6.0	4.0	2.5	64.7
Soldier Creek	T.	5.0	7.5	33.3	39.0	5.3	3.0	26.7	1.0	[2] 120.8
Warren		6.0	11.0	25.0	39.5	37.0	27.0	26.0	(*)	
Weiser			0.5	4.5	23.5	3.5	1.0	1.0		34.0
Illinois										
Cairo				T.	T.	11.5	T.			11.5
Casey			T.	2.3	6.9	5.5				14.7
Chicago (University)			T.	3.6	17.2	8.6	0.7	T.		30.1
Duquoin			T.		2.4	11.5				13.9
Flora			T.	T.	2.4	8.0				10.4
Galva			1.3	3.4	16.2	7.8	2.8			31.5
Greenville			T.	T.	4.2	4.5	T.			8.7
Hoopeston			T.	0.5	9.9	5.0	T.			15.4
Kankakee			T.	2.2	14.9	6.2	T.	T.		23.3
La Harpe			0.5	2.0	14.0	8.0	T.	T.		24.5
La Salle			T.	2.0	14.4	6.8	0.3	T.		23.5
Lincoln			T.	0.3	9.2	3.6	T.	T.		13.1
McLeansboro					2.2	9.8				12.0
Mascoutah			T.	T.	2.3	9.0	T.			11.3
Mount Carroll			2.2	1.7	22.0	8.1	0.5	0.3		34.8

[1] Trace in June, 1929.

[2] Includes June, 1929: Mackay, 0.5.

Monthly and seasonal snowfall, 1928–29—Continued

[Inches and tenths]

Station	1928				1929					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Illinois—Continued										
New Burnside			T.	0.2	0.5	10.3				11.0
Pana			T.	1.3	6.8	3.5				11.6
Peoria			T.	1.3	10.1	4.1	T.	T.		15.5
Pontiac			T.	2.6	18.5	10.0	T.	T.		31.1
Rockford			1.0	1.5	12.0	6.0	1.0	T.		21.5
Rushville			T.	0.5	8.5	2.7	T.			11.7
Springfield			T.	0.2	4.3	3.6	T.			8.1
Sycamore			2.4	4.3	19.2	6.0	4.0			35.9
Urbana			T.	0.5	5.3	3.7	0.5	T.		10.0
Walnut			1.8	2.7	14.4	4.0	0.8	0.2		23.9
Waukegan			1.2	2.8	13.6	4.1	1.6	0.5		23.8
White Hall			0.1	0.4	3.8	3.2	T.			7.5
Indiana										
Angola	T.	T.	5.5	1.0	18.5	8.5	3.0	0.5	1.0	38.0
Bluffton			4.5	T.	7.8	6.2	T.	T.	T.	18.5
Butlerville			0.5	T.	5.3	8.9	1.1		T.	15.8
Cambridge City			0.2	2.0	12.2	8.5	T.			22.9
Evansville			T.	0.4	3.5	13.5			T.	17.4
Fort Wayne			7.5	1.1	12.1	6.2	0.3	T.	T.	27.2
Indianapolis			0.7	0.5	8.1	4.9	T.	T.	0.2	14.4
Kokomo			T.	2.0	12.0	10.0	T.	T.		24.0
La Fayette			T.	1.5	11.6	6.7	T.		T.	19.8
Marion			1.5	1.0	10.0	5.5		T.	T.	18.0
Mauzy			1.1	1.1	11.5	11.5	0.8	T.	0.2	26.2
Richmond			0.4	0.2	10.4	10.8	0.5	T.	T.	22.3
Royal Center			0.9	0.7	9.9	3.7	T.	T.	0.3	15.5
South Bend			2.5	3.0	20.1	6.5	1.0	T.	10.0	43.1
Terre Haute			0.3	2.9	6.9	5.4	0.2	T.	T.	15.7
Valparaiso			1.3	9.7	19.0	7.3	2.5	0.4	4.4	44.6
Iowa										
Afton			17.0	4.0	19.0	18.0				58.0
Alta		1.0	8.0	2.5	9.5	20.5	8.0	1.0		50.5
Belle Plaine			10.7	1.5	32.0	10.3	1.0	1.0		56.5
Belmond			10.5	0.5	27.0	21.0	8.0	1.0	T.	68.0
Centerville			0.7	3.0	17.5	3.1	T.	T.		24.3
Charles City			2.4	T.	26.9	20.7	5.9	3.8		59.7
Davenport			0.6	2.6	15.6	5.4	0.5	T.		24.7
Decorah			4.0	T.	27.0	13.0	5.0	1.0		50.0
Denison			4.5	4.0	6.0	14.5	5.5	1.0		35.5
Des Moines			8.4	1.6	21.4	19.1	0.7	0.4		51.6
Dubuque			4.5	0.9	34.3	8.0	2.7	0.2	T.	50.6
Forest City			9.5	4.0	21.1	16.2	3.9	3.8		58.5
Humboldt			4.0	0.5	18.5	17.5	4.5	1.5		46.5
Independence			11.0	0.8	14.7	6.4	2.8	1.0		36.7
Inwood (near)		T.	4.0	3.2	8.5	5.1	3.0	5.8		29.6
Iowa City			0.5	1.0	19.5	6.5	0.5	0.5		28.5
Iowa Falls			13.0	0.8	22.5	27.8	7.0	1.0		72.1
Jefferson			10.0	0.5	16.0	21.0	1.0	T.		48.5
Keokuk			0.3	2.3	9.4	5.8	T.			17.8
Little Sioux			5.0	4.5	4.5	15.5	3.5	0.8		33.8
Marshalltown			12.7	1.7	22.2	15.4	5.9	1.0		58.9
Mason City			9.2	2.5	32.5	21.5	7.5	3.8		77.0
Mount Ayr			10.5	4.3	14.7	7.3	T.			36.8
Mount Pleasant			T.	3.0	13.0	4.5				20.5
Oakland			11.0	3.5	11.0	17.3	1.0			43.8
Olin			0.5	1.5	24.0	8.0	1.0			35.0
Oskaloosa			5.0	4.2	19.9	7.8	1.2	0.3		38.4
Postville (near)			9.0	3.5	18.0	9.0	6.0	1.0		46.5
Sioux City			6.3	1.5	6.1	9.8	7.1	1.5		32.3
Spencer			5.0	5.5	20.0	16.5	7.8	6.0		60.8
Thurman			4.5	T.	6.3	8.3	2.5			21.6

Monthly and seasonal snowfall, 1928-29—Continued

[Inches and tenths]

Station	1928				1929					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Kansas										
Burlington			T.	7.5	2.0	4.0				13.5
Colby		1.5	8.0	T.	T.	5.5	1.0	T.		16.0
Columbus			0.2	1.2	2.2	13.5				17.1
Concordia		T.	2.6	T.	5.1	8.8	T.			16.5
Dodge City		T.	T.	5.1	6.7	9.1	T.			20.9
Garden City			T.	3.4	3.0	9.0				15.4
Horton (near)			0.2	0.5	9.0	6.8	T.	T.		16.5
Howard			T.	1.5	1.0	4.5				7.0
Hutchinson		T.	T.	6.0	6.0	14.0	T.			26.0
Independence			0.5	2.0	1.0	4.5	T.			8.0
Iola			T.	2.7	1.0	4.4				8.1
Lakin			4.0	6.0	3.0	6.0				19.0
Liberal			2.0	4.5	4.0	3.0				13.5
McPherson		T.	T.	3.0	10.0	7.2				20.2
Manhattan		T.	0.5	0.2	8.6	6.2	T.			15.5
Marion		T.	0.5	5.0	8.2	10.0				23.7
Medicine Lodge			2.0	1.5	2.5	4.0				10.0
Minneapolis		T.	1.0	T.	7.0	9.0				17.0
Oketo		T.	2.9		9.2	7.8				19.9
Phillipsburg		5.0	8.0		1.0	5.0	T.			19.0
Richfield			0.8	3.5	1.5	1.5				7.3
St. Francis		T.	5.0	T.	0.2	4.5	0.8	T.		10.5
Sedan			T.	T.	T.	4.5				4.5
Topeka			0.1	6.6	10.2	6.5	0.3			23.7
Wakeeney		4.0	3.0		2.0	11.0				20.0
Wellington			0.5	0.8	1.0	2.0	T.			4.3
Wichita			0.9	5.3	3.0	5.5				14.7
Kentucky										
Beattyville			T.	T.	0.7	19.9	1.2			21.8
Berea			T.	T.	2.6	18.2	7.5			28.3
Bowling Green (No. 1)				T.	T.	13.0	2.0			15.0
Calhoun			T.	T.	0.3	6.2	0.3			6.8
Earlington					T.	10.5	T.			10.5
Eubank			T.		T.	16.4	2.5			18.9
Frankfort			T.	T.	2.5	8.5	0.5			11.5
Greensburg				T.	T.	12.0				12.0
Hopkinsville				T.	T.	12.7				12.7
Junction City					2.5	18.0	4.0			24.5
Leitchfield			T.		T.	15.0	T.			15.0
Lexington			0.4	T.	2.8	13.5	7.5			23.8
Louisville			T.	T.	2.5	4.7	1.0			8.2
Lovelaceville				T.	(*)	12.5				
Maysville			T.		3.5	10.2	(*)			
Mount Sterling			T.		2.8	15.5	6.0			24.3
Owensboro				T.	1.0	9.5	T.			10.5
St. John			T.	T.	1.0	13.0	3.0			17.0
Scott			0.1	0.2	3.5	7.5	2.0			13.3
Taylorsville			T.		2.5	11.8	0.5			14.8
Williamsburg					0.5	17.6	T.			18.1
Louisiana [10]										
Calhoun						T.				T.
Dodson						T.				T.
Elizabeth				T.						T.
Grand Cane										0.0
Minden										0.0
Monroe						T.				T.
Natchitoches										0.0
Newellton										0.0
Plain Dealing						T.				T.
Robeline										0.0
Ruston						1.0				1.0
Shreveport						T.				T.

[10] Selected stations of northern division; also Elizabeth, only station of another division reporting snowfall this season.

Monthly and seasonal snowfall, 1928–29—Continued

[Inches and tenths]

Station	1928				1929					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Maine										
Eastport	-------	T.	3.1	3.6	15.1	13.4	24.0	4.6	-------	63.8
Farmington	-------	0.5	4.5	16.5	19.0	29.5	22.5	19.5	-------	112.0
Gardiner	-------	-------	6.0	7.0	24.0	30.0	20.5	19.0	-------	106.5
Greenville	-------	1.0	6.5	19.4	23.8	22.0	19.0	18.2	T.	109.9
Houlton	-------	T.	7.2	15.0	24.0	14.0	9.0	1.0	T.	70.0
Lewiston	-------	T.	5.8	10.8	19.9	23.4	8.5	15.0	-------	83.4
Madison	-------	-------	4.0	11.3	19.2	27.4	19.2	16.0	-------	97.1
Millinocket	-------	1.0	9.7	5.5	29.9	12.0	6.8	5.9	-------	70.8
North Bridgton	-------	T.	6.0	19.0	21.0	29.0	9.0	16.0	-------	100.0
Oldtown	-------	-------	3.0	4.0	12.9	26.2	17.5	8.5	-------	72.0
Portland	-------	T.	0.8	3.0	16.1	26.9	5.9	4.7	-------	57.4
Rumford	-------	0.5	10.2	15.0	20.6	29.2	13.0	17.5	T.	106.0
Van Buren	1.5	1.5	3.9	20.8	32.0	14.0	25.5	10.3	T.	109.5
Winslow	-------	-------	8.5	2.0	15.0	15.0	15.0	17.0	-------	72.5
Woodland	-------	-------	6.2	8.5	18.0	17.0	26.0	4.2	T.	79.9
Maryland										
Aberdeen	-------	-------	T.	1.0	1.8	8.5	0.1	T.	-------	11.4
Baltimore	-------	-------	T.	0.3	0.7	11.2	T.	T.	-------	12.2
Chewsville	-------	T.	0.5	T.	5.5	14.0	3.0	T.	-------	23.0
Cumberland	-------	-------	1.2	T.	3.0	12.5	[2.0]	T.	T.	18.7
Easton	-------	-------	T.	8.0	0.5	7.0	T.	-------	-------	15.5
Emmitsburg	-------	T.	T.	T.	5.8	12.5	3.5	T.	-------	21.8
Frederick	-------	T.	T.	T.	3.0	13.8	2.0	T.	-------	18.8
Friendsville	T.	T.	10.5	[2.3]	11.5	14.0	[6.0]	[2.0]	T.	46.3
Frostburg	-------	T.	10.0	1.0	5.1	16.0	2.0	T.	T.	34.1
Maryland Line	-------	-------	T.	0.5	2.0	13.5	[2.5]	T.	-------	18.5
Oakland	T.	2.0	13.2	3.4	11.0	17.1	8.0	5.0	1.0	60.7
Princess Anne	-------	-------	T.	6.0	2.0	7.0	T.	-------	-------	15.0
Solomons	-------	-------	0.1	4.2	1.2	7.2	T.	-------	-------	12.7
Massachusetts										
Amherst	-------	-------	2.1	0.2	17.9	15.0	4.5	5.5	-------	45.2
Blue Hill	-------	T.	1.5	4.7	14.5	25.3	9.4	6.0	-------	61.4
Boston	-------	T.	1.4	4.6	13.5	21.4	4.0	0.6	-------	45.5
Clinton	-------	T.	2.8	1.6	24.2	18.5	6.0	9.0	-------	62.1
Concord	-------	T.	3.6	2.2	13.7	19.2	4.5	8.8	-------	52.0
Fall River	-------	-------	T.	1.7	7.9	13.0	5.5	0.5	-------	28.6
Fitchburg	-------	T.	5.0	0.5	26.2	18.7	5.3	10.8	-------	66.5
Framingham	-------	-------	3.6	3.0	18.7	13.9	4.7	5.2	-------	49.1
Lawrence	-------	T.	1.3	4.5	14.6	19.2	7.5	6.0	-------	53.1
Nantucket	-------	-------	0.6	T.	1.9	12.0	1.9	T.	-------	16.4
Plymouth	-------	-------	T.	4.0	6.2	21.0	3.0	T.	-------	34.2
Provincetown	-------	-------	T.	-------	7.0	12.0	T.	T.	-------	19.0
Rockport	-------	-------	T.	2.0	10.0	18.9	T.	4.0	-------	34.9
Williamstown	-------	-------	7.3	0.3	19.8	25.5	13.0	17.2	-------	83.1
Worcester	-------	T.	4.8	1.3	18.5	16.5	6.5	8.6	-------	56.2
Michigan										
Alma	-------	-------	1.3	7.4	15.0	6.7	1.1	2.0	2.0	35.5
Alpena	-------	T.	8.4	5.6	25.8	9.1	9.3	8.7	9.7	76.6
Battle Creek	-------	-------	2.0	8.0	28.0	5.5	1.0	T.	2.0	46.5
Cadillac	-------	-------	8.2	9.0	18.6	11.0	11.0	4.0	T.	61.8
Calumet	T.	T.	1.2	25.8	61.0	14.0	11.0	1.0	1.5	115.5
Croton	-------	-------	0.5	10.5	20.5	8.0	1.5	T.	T.	41.0
Detroit	-------	T.	1.0	2.6	22.1	10.8	2.4	T.	T.	38.9
East Tawas	-------	T.	3.0	4.0	15.0	15.2	2.5	4.0	1.0	44.7
Eloise	-------	T.	T.	T.	8.0	4.2	1.5	T.	-------	13.7
Escanaba	T.	T.	1.3	1.9	31.6	7.2	5.5	10.6	0.3	58.4
Fife Lake (near)	T.	T.	13.0	14.0	23.0	12.5	13.0	4.0	0.5	80.0
Frankfort	-------	T.	3.0	4.9	31.4	19.7	12.2	8.1	T.	79.3
Grand Haven	T.	T.	7.3	3.3	27.1	11.2	0.3	0.1	T.	49.3
Grand Marais	T.	1.0	5.0	19.0	42.0	11.9	10.8	3.0	(*)	-------
Grand Rapids	T.	T.	3.5	8.0	30.8	8.2	1.8	T.	3.0	55.3
Grayling	T.	T.	5.0	16.0	26.0	7.0	4.0	9.0	T.	67.0
Hart	T.	-------	T.	6.0	44.5	10.8	5.0	T.	T.	66.3

Monthly and seasonal snowfall, 1928-29—Continued

[Inches and tenths]

Station	1928				1929					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Michigan—Continued										
Hillsdale			5.4	2.0	26.0	6.2	2.2	T.	0.5	42.3
Houghton	3.8	T.	2.0	11.4	61.0	11.5	23.9	1.2	5.1	119.9
Humboldt	4.0	T.	2.8	2.9	31.1	3.0	9.0	8.0	8.0	[2] 68.8
Iron Mountain	T.	T.	4.0	4.5	22.0	9.0	7.0	8.0	T.	54.7
Ironwood	3.5	T.	7.5	19.5	47.0	22.5	21.0	10.0	4.0	135.0
Ishpeming	3.5	1.0	11.7	5.4	35.5	11.0	12.4	13.5	11.0	[2] 105.0
Jackson	T.	T.	2.7	2.0	22.2	9.0	1.2		0.5	37.5
Kalamazoo			4.0	4.5	18.5	15.0	2.5	T.	4.0	48.5
Lansing	0.1	T.	5.6	8.2	24.9	8.0	4.2	0.6	2.6	54.2
Ludington		T.	1.4	6.4	30.0	17.8	6.0	2.2	T.	63.8
Mackinaw	T.	T.	0.5	5.0	39.2	7.5	6.5	8.0	T.	66.7
Marquette	0.9	1.9	6.8	10.0	37.8	11.3	12.2	11.5	8.0	100.4
Munising	2.0	0.2	5.7	16.9	49.2	12.7	14.3	14.8	5.0	120.8
Newberry	T.	1.0	5.4	10.6	57.1	7.0	9.9	21.7	3.0	115.7
Old Mission			5.0	5.7	18.4	2.9	4.2	4.0	0.5	40.7
Onaway (near)	T.		7.0	1.0	24.5	7.5	8.0	11.0	3.0	62.0
Port Huron		T.	3.2	3.5	18.7	9.6	1.6	0.1	T.	36.7
Roscommon (near)		1.0		12.0	16.2	8.0	4.5	2.0	1.0	44.7
Saginaw	T.		1.1	2.8	15.4	6.6	3.4	2.0	4.0	35.3
Sault Ste. Marie	0.1	1.1	3.5	14.1	35.4	4.8	8.7	4.6	7.9	80.1
Sidnaw	2.0	T.	11.5	11.7	30.2	13.6	10.0	3.5	5.5	88.0
Whitefish Point	T.	T.	6.3	15.0	39.5	8.5	14.0	4.5	2.0	89.8
Minnesota										
Albert Lea			3.0	5.0	34.0	17.0	6.0	10.0		75.0
Alexandria				5.7	11.5	8.0	6.0	8.0		39.2
Argyle	T.	T.	T.	6.5	11.5	3.2	3.5	3.0	T.	27.7
Artichoke Lake			T.	1.0	6.1	3.3	2.3	1.5	1.5	15.7
Baudette			0.2	6.2	9.0	5.6	7.8	1.0	1.0	30.8
Bird Island			0.1	4.2	7.9	6.9	2.6	4.4	T.	26.1
Campbell			0.5	9.5	17.0	12.8	7.5	8.0	(*)	
Collegeville			T.	8.5	22.0	(*)	9.5	3.0	0.5	
Duluth	0.3	T.	T.	11.4	20.1	4.2	11.1	3.9	1.1	52.1
Fairmont			4.0	9.0	26.8	10.5	13.0	10.0		73.3
Fort Ripley			T.	14.0	12.0	5.7	8.0	6.0	1.0	46.7
Gonvick (near)				2.8	16.8	1.5	2.0	0.5	T.	23.6
Grand Marais			T.	7.0	26.0	12.0	9.8		(*)	
Grand Meadow			6.0	5.5	27.3	15.3	5.5	3.5		63.1
Grand Rapids			T.	8.8	15.5	1.5	6.8	T.	1.0	33.6
Hallock	T.			5.0	10.0	2.2	0.5	(*)		
Itasca State Park				6.0	16.0	4.0	2.0			28.0
Leech Lake Dam	T.		T.	7.3	20.8	3.4	8.0	1.9	1.6	43.0
Mapleplain			T.	6.2	24.3	12.1	7.3	12.1	0.4	62.4
Meadowlands				7.0	20.0	2.0	8.0	(*)		
Minneapolis (Weather Bureau)	T.		T.	3.6	18.3	11.7	4.4	9.2	0.2	47.4
Montevideo			T.	4.5	14.0	8.0	5.0	3.0	T.	34.5
Moorhead		T.	0.1	5.2	18.1	6.5	7.1	5.7	T.	42.7
Mora	T.		T.	6.8	14.5	5.0	5.5	6.5	3.0	41.3
Morris			T.	1.5	10.2	7.5	8.0	4.0	1.5	32.7
New London				6.0	13.0	3.0	6.0	3.0		31.0
Park Rapids			T.	6.9	8.8	3.0	5.3	2.4		26.4
Pine River Dam				11.6	15.8	3.5	9.8	7.0	1.0	48.7
Roseau	T.		T.	8.0	6.0	3.0	2.0	2.0	T.	21.0
St. Paul	T.	T.	0.3	5.2	19.9	12.2	3.8	8.7	T.	50.1
St. Peter				3.2	20.1	6.9	6.0	(*)		
Sandy Lake Dam	T.		T.	13.7	15.9	2.2	9.5	4.9	2.7	48.9
Thief River Falls	T.	T.	T.	6.1	12.8	2.8	1.9	1.4	T.	25.0
Two Harbors	T.		T.	6.5	29.0	7.0	12.0	2.0	0.2	56.7
Virginia	T.	T.	0.8	7.9	13.9	2.4	8.7	1.4	2.5	37.6
Winnibigoshish	T.		0.1	6.3	22.6	2.4	9.9	1.1	2.1	44.5
Winona			0.8	5.5	31.8	15.2	6.9	6.0		66.2
Worthington			5.0	6.8	33.5	9.0	1.0	14.0		69.3
Zumbrota			0.5	4.2	26.5	10.0	11.0	2.0	(*)	

[2] Trace in June, 1929.

Monthly and seasonal snowfall, 1928–29—Continued

[Inches and tenths]

Station	1928				1929					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Mississippi [11]										
Austin						T.				T.
Brookhaven				T.		T.				T.
Clarksdale						T.				T.
Columbus										0.0
Corinth				T.		0.1				0.1
Duck Hill						T.				T.
Greenville						0.2				0.2
Hernando						1.5				1.5
Holly Springs					T.	T.				T.
Kosciusko										0.0
Tupelo						T.				T.
Vicksburg						T.				T.
Water Valley						T.				T.
Missouri										
Appleton City			T.	1.0	2.1	4.1	T.			7.2
Arcadia			T.	T.	T.	11.4			T.	11.4
Clinton			0.1	1.0	6.0	8.0				15.1
Columbia			0.3	2.1	4.7	3.5	T.			10.6
Doniphan						14.6				14.6
Eldon			T.	T.	4.7	5.3	T.		T.	10.0
Hannibal			T.	1.9	8.0	3.9	T.			13.8
Harrisonville			0.5	1.5	10.0	4.0				16.0
Hermann			T.	0.2	5.9	1.9	T.			8.0
Jackson					0.5	8.6				9.1
Kansas City			0.6	6.1	10.2	10.2	T.	T.		27.1
Kidder			0.3	0.8	9.1	11.0	T.			21.2
Kirksville			0.5	5.8	17.8	9.8				33.9
Koshkonong						21.5				21.5
Lebanon			T.	T.	T.	19.5	T.		2.0	21.5
Lexington			0.1	2.6	21.7	9.5				33.9
Macon			0.3	5.0	7.1	2.9				15.3
Marshall			1.2	3.5	8.0	7.5	T.			20.2
Maryville			2.5	0.3	8.0	8.3	0.5			19.6
Mexico			0.8	3.0	12.3	3.2	T.			19.3
Mountain Grove			T.	T.	2.0	12.5			0.1	14.6
Neosho			T.	T.	9.5	11.0				20.5
Nevada			T.	3.0	4.5	5.6				13.1
New Madrid						16.7				16.7
Poplar Bluff						11.2				11.2
Rolla			0.3	T.	3.0	9.5			2.0	14.8
St. Charles			T.	T.	6.0	6.6	T.		1.0	13.6
St. Joseph			0.1	1.3	9.9	7.7	T.			19.0
St. Louis (Weather Bureau)			T.	T.	3.3	5.7	T.		4.0	13.0
Springfield			1.6	0.6	1.8	9.8	T.		6.1	19.9
Tarkio			6.5	T.	14.3	21.0	8.0			49.8
Unionville			0.5	3.0	29.0	7.0				39.5
Warsaw			0.1	1.0	6.0	9.0	T.			16.1
Montana										
Babb		1.0	1.0	(*)	10.0	7.0	7.0	24.0	19.0	(12)
Belton		T.	1.5	29.5	32.8	42.5	12.5	4.7	1.0	124.5
Big Timber		15.0	1.0	11.5	15.5	12.5	14.5	T.		70.0
Browning		4.5	1.0	7.0	7.2	3.0	9.0	11.5	4.0	47.2
Butte	T.	4.8	1.2	12.2	20.0	15.6	15.9	19.2	5.2	94.1
Canyon Ferry		1.0		7.0	14.2	7.1	6.5	4.0		39.8
Choteau			0.3	6.0	11.8	5.8	5.4	(*)		
Copper		8.0	1.0	8.5	25.0	17.0	18.5	6.5	5.0	89.5
Crow Agency		8.0	9.5	5.5	5.5	10.5	10.5	3.0		52.5
Dillon		5.5	3.1	17.4	11.8	7.2	19.5	17.5	10.0	92.0
Dunkirk		0.5	0.5	4.0	4.0	7.0	1.5	6.5	T.	24.0
Fortine			2.1	12.5	14.3	8.6	7.6	1.5	T.	46.6
Geraldine		4.0	0.4	8.9	19.0	7.8	16.1	3.0	T.	59.2
Glasgow		0.3		3.3	8.9	0.5	1.9			14.9
Glendive		T.	T.	2.2	11.9	1.1	9.5	9.5	1.0	35.2

[11] Selected stations of northern division; also Brookhaven and Vicksburg, the only stations of southern division reporting snowfall this season.
[12] At Babb 2.0 fell during August, 1928.

Monthly and seasonal snowfall, 1928–29—Continued

[Inches and tenths]

Station	1928				1929					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
***Montana*—Continued**										
Great Falls	------	2.5	2.8	9.0	15.1	8.3	14.7	4.5	------	56.9
Haugan	------	T.	T.	18.3	40.6	15.7	2.0	2.5	------	79.1
Havre	------	0.5	0.4	11.2	8.8	5.1	5.7	3.1	T.	34.8
Hays	------	4.0	4.5	21.0	15.5	7.2	9.5	1.5	3.0	66.2
Hebgen Dam	------	5.5	17.0	18.5	38.0	36.5	20.0	10.0	11.0	156.5
Helena	------	1.3	0.5	13.3	16.9	15.4	15.3	16.3	2.1	81.1
Kalispell	------	------	0.5	11.8	20.6	10.5	1.8	0.1	------	45.3
Lewistown	------	10.0	1.0	24.0	21.4	25.6	26.0	2.5	------	110.5
Libby	------	T.	0.8	16.0	8.5	8.0	T.	T.	------	33.3
Livingston	------	4.5	2.0	10.5	6.0	9.5	7.5	(*)	------	------
Loweth	1.0	11.5	3.5	14.5	17.5	6.2	21.5	10.0	8.0	93.7
Lytle	------	5.0	1.5	8.5	9.5	4.5	5.5	8.0	1.0	43.5
Malta	------	(*)	------	4.0	5.7	3.0	0.7	T.	(*)	------
Miles City	------	3.7	1.6	5.9	11.7	5.0	9.7	2.6	T.	40.2
Missoula	------	------	0.2	1.5	21.6	11.5	0.7	2.0	------	37.5
Mystic Lake	T.	35.0	14.3	7.9	14.8	18.7	29.3	36.0	30.0	[2] 186.0
Ovando	------	T.	0.3	3.4	23.7	7.3	8.5	2.0	T.	45.2
Philipsburg	1.0	0.5	1.5	7.0	16.0	14.0	20.5	15.0	8.5	[2] 84.0
Plevna	------	2.0	0.3	4.2	17.3	7.3	13.9	------	T.	45.0
Poplar	------	T.	------	2.0	7.0	2.0	6.5	1.0	1.0	19.5
Red Lodge	------	22.5	11.5	10.5	21.0	17.0	20.5	20.0	17.5	140.5
St. Ignatius	------	------	------	8.6	28.9	14.8	T.	5.2	------	57.5
Snowbelt	------	3.3	------	2.4	5.9	2.9	8.1	1.3	------	23.9
Springbrook	------	5.0	T.	6.5	9.3	6.3	17.0	2.0	T.	46.1
Stanford	------	9.0	T.	9.5	10.5	7.0	25.0	1.5	1.0	63.5
Sun River Canyon	1.0	5.0	3.0	6.0	9.0	6.0	13.0	13.0	------	56.0
Thompson Falls	------	(*)	(*)	13.0	28.4	12.3	4.1	6.7	------	------
Upper Yaak River	------	T.	1.0	23.5	12.4	11.6	12.3	2.7	------	63.5
Virginia City	1.0	9.5	14.0	15.0	11.0	12.0	12.0	9.0	9.0	92.5
Nebraska										
Albion	------	T.	8.0	T.	5.0	14.0	1.0	------	------	28.0
Auburn	------	------	10.5	T.	14.0	16.0	3.0	------	------	43.5
Beatrice	------	T.	7.0	T.	6.0	12.0	T.	------	------	25.0
Beaver City	------	8.6	15.1	T.	0.9	6.5	T.	------	------	31.1
Broken Bow	------	4.0	18.0	0.5	2.5	8.7	5.0	------	------	38.7
Central City	------	T.	22.0	1.5	0.5	8.5	T.	------	------	32.5
Chadron	------	------	7.5	7.8	5.3	5.5	20.4	14.2	------	60.7
Columbus	------	------	16.5	1.5	3.4	12.5	0.5	------	------	34.4
Curtis	------	2.0	12.0	------	5.0	4.0	T.	------	------	23.0
Dumas	------	3.0	9.0	------	2.5	12.0	8.0	------	------	34.5
Geneva	------	0.2	10.0	T.	2.0	9.0	T.	T.	------	21.2
Gordon	------	2.0	6.0	2.0	3.4	6.0	18.0	6.0	T.	43.4
Gosper	------	4.5	12.5	T.	1.0	6.5	T.	------	------	24.5
Hartington	------	1.0	11.0	1.5	7.5	12.0	5.0	2.0	------	40.0
Hay Springs	------	2.5	6.0	6.3	4.3	8.5	33.0	19.0	T.	79.6
Hebron	------	T.	7.0	T.	3.0	9.0	T.	------	------	19.0
Holdrege	------	4.0	13.0	T.	1.1	9.0	2.0	------	------	29.1
Imperial	------	3.0	8.5	T.	2.5	13.0	3.5	------	------	30.5
Kimball	------	2.5	7.0	1.5	T.	6.0	9.0	14.0	2.0	42.0
Lincoln	------	------	12.2	T.	4.8	11.3	T.	------	------	28.3
Minden	------	4.0	12.0	T.	T.	10.0	0.5	------	------	26.5
Nenzel	------	10.0	2.0	4.2	5.2	9.0	24.0	7.0	2.0	63.4
Newport	------	1.0	8.0	0.5	6.6	12.5	14.0	12.0	T.	54.6
North Loup	------	7.0	18.5	2.0	3.0	15.5	1.7	0.2	------	47.9
North Platte	------	1.9	9.5	0.8	2.6	4.5	0.9	T.	------	20.2
Oakdale	------	2.0	10.0	0.5	2.6	9.6	4.2	T.	------	28.9
Omaha	------	------	15.8	1.4	9.3	21.9	1.5	0.2	------	50.1
O'Neill	------	T.	11.0	T.	7.5	9.0	13.0	T.	------	40.5
Oshkosh	------	2.0	9.0	2.0	4.5	12.0	3.5	T.	------	33.0
Pawnee City	------	------	2.0	T.	12.0	11.0	4.0	------	------	29.0
Ravenna	------	4.0	17.0	1.1	1.0	8.0	0.3	T.	------	31.4
Scottsbluff	------	1.8	7.7	2.3	2.1	5.2	14.3	2.8	------	36.2
Stanton	------	------	13.0	1.0	3.5	13.0	1.0	------	------	31.5
Valentine	------	4.1	5.7	9.9	18.3	14.2	17.4	4.8	7.0	81.4
Wakefield	------	T.	6.0	2.0	1.2	9.2	2.0	------	------	20.4

[2] Trace in June, 1929.

Monthly and seasonal snowfall, 1928–29—Continued

[Inches and tenths]

Station	1928				1929					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Nevada										
Alamo				T.		2.0				2.0
Arthur		1.2	4.7	9.5	24.6	11.0	11.4	7.3	3.5	73.2
Austin		4.0	5.0	14.0	10.8	9.5	23.5	12.5	T.	79.3
Beatty				1.3	T.	T.		T.		1.3
Beowawe		4.0	0.7	3.0	13.0	1.2	3.0	6.0		30.9
Carson City		2.0	1.0	1.5	3.0	6.0	12.0	9.0		34.5
Elko		T.	T.	8.0	16.0	4.0	8.0	T.	T.	36.0
Eureka		T.	2.0	12.5	7.5	5.0	19.0	1.5		47.5
Fallon				2.0	3.0	T.	1.0			6.0
Golconda		2.0	T.	3.0	3.0	1.5	1.0	T.		10.5
Gold Creek		T.	11.0	10.0	54.0	18.0	11.0	24.0		128.0
Hylton		T.	T.	10.0	13.0	6.0	11.0	6.0	T.	46.0
Imlay		T.	0.8	2.0	4.0	1.5	1.0	T.		9.3
Kimberly		16.5	8.2	24.0	7.0	7.0	12.5	10.0	T.	85.2
Lamoille		(*)	4.0	16.0	15.0	8.8	17.5	7.5	1.0	
McGill		3.5	T.	3.0	5.0	1.6	7.0	5.5		25.6
Mahoney Ranger Station	T.	10.5	23.2	12.8	35.0	13.0	20.0	0.5	T.	[2] 115.0
Millett			1.0	T.	4.0	1.5	1.5	3.0		11.0
Minden		4.0	T.	2.5	3.0	1.5	1.0	6.0		18.0
Montello		T.	(*)	8.0	9.0	T.	1.5	T.		
Nixon		1.0		0.6	2.8	2.0	0.5	0.6		7.5
North Fork		11.0	6.0	1.0	25.0	6.0	4.0	9.0	3.0	65.0
Orovada		1.0	T.	8.0	13.4	6.0	5.0	4.0	T.	37.4
Owyhee	T.	3.0	9.0	8.0	12.0	6.5	13.0	7.0	T.	58.5
Reno		1.1	0.7	2.0	6.5	9.2	1.5	6.8	T.	27.8
Rye Patch				3.0	3.5	2.5	0.5	4.2	0.5	14.2
Sand Pass		T.	1.5	4.0	2.0	2.0	2.0	2.0	T.	13.5
San Jacinto		2.0	4.5	4.5	17.0	T.	12.0	T.	(*)	
Schurz		T.		0.8	3.5	2.0	3.5	1.5	T.	11.3
Searchlight				T.						T.
Sharp		1.5	4.2	15.5	8.5	5.0	3.0	3.0		40.7
Smith		3.0		2.0	6.0	3.8	0.8	3.5		19.1
Thorne				T.	1.0					1.0
Tuscarora (near)		6.0	11.5	11.0	35.5	18.0	25.0	31.0	4.5	[13] 143.0
Winnemucca		2.2	1.4	1.9	3.9	0.5	0.5	3.5	T.	[2] 13.9
Yerington		T.		T.	T.	2.0	0.8	1.0		3.8
New Hampshire										
Berlin		T.	2.0	21.0	15.4	26.7	19.2	14.2		98.5
Bethlehem		0.1	2.0	13.0	(*)	21.0	8.0	8.0		
Concord		T.	11.5	T.	23.1	30.7	5.3	2.9		73.5
Durham			8.0	5.5	13.5	14.8	4.1	4.8		50.7
Franklin		T.	6.5	3.5	24.5	32.5	11.2	3.0		81.2
Hanover		T.	2.0	2.4	19.3	29.2	9.0	13.4	T.	75.3
Keene		T.	2.5	3.0	27.0	28.5	5.7	5.5		72.2
Pittsburg (a)	T.	4.8	25.6	24.7	37.5	28.6	22.9	23.3	T.	[2] 167.4
Plymouth		0.5	5.5	10.5	22.2	33.0	12.5	13.0	T.	97.2
New Jersey										
Atlantic City				3.9	0.1	7.5	T.			11.5
Belvidere			T.	2.0	2.5	13.8	1.0			19.3
Cape May			T.	9.6	0.2	9.3	T.			19.1
Charlotteburg			1.7	1.0	6.8	9.0	4.0			22.5
Dover		T.	1.0	1.0	5.5	11.0	3.0			21.5
Flemington			T.	2.0	2.0	11.0	T.			15.0
Indian Mills			T.	7.0	1.0	8.5				16.5
Lakewood			T.	7.0	T.	8.0	T.			15.0
Layton		T.	3.0	0.5	6.0	13.5	9.5			32.5
Newton		T.	T.	1.0	7.6	9.5	5.5	T.		23.6
Plainfield		T.	0.2	0.5	2.5	9.1	T.	T.		12.3
Sandy Hook			T.	2.4	1.2	6.6	T.			10.2
Trenton			T.	1.7	0.8	7.9	T.			10.4

[2] Trace in June, 1929.

[13] Includes June, 1929: Tuscarora (near), 0.5.

Monthly and seasonal snowfall, 1928-29—Continued

[Inches and tenths]

Station	1928				1929					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
New Mexico										
Agricultural College						2.0				2.0
Albuquerque			T.		0.5	3.5				4.0
Aspen Grove Ranch		T.	10.0	10.0	27.0	19.0	13.0	2.0	10.0	91.0
Aztec		T.	6.0	0.3	3.5	4.0	T.			13.8
Baldwin Ranger Station			7.0	2.2	1.0	4.7	6.2			21.1
Batemans Ranch		2.5	19.1	16.9	22.5	17.3	20.5	2.5	10.0	111.3
Bell Ranch			4.0	2.0	T.	7.5	T.			13.5
Black Lake			14.0	7.0	7.0	9.0	10.0		6.0	53.0
Blackrock		T.	2.2	2.2	5.0	8.5	0.3			18.2
Carlsbad			T.			1.8				1.8
Carrizozo			1.0	3.5	T.	15.0	1.0		T.	20.5
Carson Seep Ranger Station			T.	1.5	1.5	3.0	T.			6.0
Chacon			12.0	8.0	14.2	19.4	11.0		5.0	69.6
Chama		2.0	13.0	15.5	27.0	40.0	20.0	2.0	T.	119.5
Cimarron			25.0	7.0	T.	9.5	9.0		4.0	54.5
Clayton			10.5	8.0	T.	5.5	11.0		3.0	38.0
Cloudcroft		0.4	8.5	5.0	14.0	19.5	6.5			53.9
Clovis			T.	T.	T.	2.5				2.5
Columbus						3.0				3.0
Cuervo			6.0	1.0		5.0				12.0
Des Moines		T.	24.5	8.0	2.0	7.5	13.5		7.0	62.5
Dulce		T.	8.5	1.5	10.5	14.5	3.0	0.5		38.5
Duran			0.5	2.0	1.0	15.0	8.5		5.0	32.0
Eagle Rock Ranger Station		1.5	12.4	7.0	14.0	11.0	7.5	T.	2.0	55.4
Elephant Butte Dam						1.0				1.0
Elk (near)			T.	T.	1.0	5.5	T.			6.5
Fort Bayard				1.8	3.3	7.7	T.			12.8
Fort Sumner			T.	T.		5.5				5.5
Gamerco		T.	10.8	4.3	5.7	7.2	1.7	T.		29.7
Ione			3.5	7.5	T.	6.0	4.0			21.0
Jemez Springs			2.6	4.5	4.7	11.4	3.6			26.8
Las Vegas			6.1	5.0	1.5	10.0	6.9			29.5
Levy			16.0	12.0	3.0	13.0	30.0			74.0
Logan (near)			2.0	2.0	0.7	10.0	2.5			17.2
Lordsburg				T.	0.2	0.7				0.9
Luna Ranger Station		2.0	4.0	6.0	10.0	14.0	1.0			37.0
McGaffey Ranger Station		4.0	9.5	8.0	15.2	26.3	6.8	T.		69.8
Mills			9.5	7.0	2.0	6.0	17.0		0.5	42.0
Orogrande						4.0				4.0
Pasamonte			8.0	5.0	0.2	1.5	10.0			24.7
Pearl				T.		T.				T.
Ramah			2.8	3.5	5.0	9.0	T.			20.3
Raton (near)			32.0	10.0	5.0	4.0	13.0	3.0	2.0	69.0
Red River Canyon		3.0	30.0	13.0	19.0	28.0	18.0	1.0	21.0	133.0
Regina		T.	6.2	15.5	10.0	29.0	7.0			67.7
Roswell			T.	T.	0.4	5.2				5.6
San Fidel			2.4	0.1	0.1	4.7	0.5			7.8
Santa Fe		T.	2.7	2.1	4.3	11.4	10.4	T.	0.2	31.1
Shiprock			T.		1.7	0.5	0.5	T.		2.7
Socorro					T.	0.8	0.5			1.3
Tajique (near)		0.2	9.5	4.8	3.9	26.6	19.0	T.	2.0	66.0
Taos			6.5	6.7	8.4	13.0	9.5		T.	44.1
Tatum						2.0				2.0
Taylor			8.5	4.2	1.8	6.0	17.0		1.0	38.5
Truchas		1.0	7.5	7.5	5.5	12.5	13.0	T.	1.0	48.0
Tucumcari (No. 1)			3.0	3.0	T.	5.0	3.0			14.0
Tularosa				0.1		6.0				6.1
Winsors Ranch		1.0	14.0	4.0	11.0	33.0	16.0	T.	2.7	81.7
New York										
Albany		T.	1.6	T.	15.7	18.8	5.2	4.6		45.9
Alfred	T.	1.5	8.6	4.7	18.6	13.2	8.7	24.5	1.3	81.1
Auburn	T.	5.0	10.2	T.	26.9	16.1	7.9	1.5		67.6
Binghamton		0.2	5.1	0.6	11.9	11.8	3.2	3.0		35.8
Brockport		1.0	6.0	4.0	24.0	16.0	7.0	T.		58.0
Buffalo		0.7	3.6	13.2	20.7	15.7	5.7	0.7	T.	60.3
Canton		0.2	4.8	4.5	11.0	19.1	7.3	3.8	T.	50.7

Monthly and seasonal snowfall, 1928–29—Continued

[Inches and tenths]

Station	1928				1929					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
New York—Continued										
Dannemora		T.	5.4	12.0	23.5	13.5	16.2	33.0	T.	[2] 103.6
Delhi	T.	1.0	1.0	0.7	15.2	13.5	6.0	9.0		46.4
Elmira		T.	4.5	T.	15.5	15.2	4.5	8.5		48.2
Fredonia			1.0	4.0	16.2	9.4	1.5	1.0	T.	33.1
Gabriels	T.	1.0	5.9	7.1	12.6	11.5				38.1
Geneva		1.0	17.1	1.9	26.4	17.7	4.4	1.5		70.0
Glens Falls		T.	2.0	T.	21.3	21.5	10.3	7.0		62.1
Gloversville		2.0	10.5	3.0	30.5	35.0	12.5	18.0	0.2	[2] 111.7
Hudson	T.	T.	T.	T.	13.0	16.0	6.0	5.0		40.0
Ithaca		2.0	10.2	0.3	12.2	10.2	8.1	9.2	T.	52.2
Jeffersonville		T.	4.0	1.0	14.0	12.5	5.0	1.0		37.5
Lake Placid Club	T.		7.5	14.0	15.0	20.0	17.0	22.5	0.5	96.5
Lauterbrunnen	T.	T.	9.0	6.0	20.0	5.0	8.0			48.0
Little Falls (No. 1)			3.0	1.0	20.5	30.0	8.5	8.5		71.5
Lockport		T.	2.0	9.5	12.5	12.5	7.5	T.	T.	44.0
Lowville		0.5	6.7	11.5	34.5	9.5	18.5			81.2
Moira		T.	4.0	3.0	10.0	16.0	8.0	17.0		58.0
Mount Vernon		T.	T.	2.8	3.4	8.7	T.	T.		14.9
New York		T.	T.	2.3	1.9	8.8	0.3	T.		13.3
North Lake		1.5	20.5	33.0	68.0	37.0	21.5	11.5	T.	193.0
Norwich		1.0	8.0	1.0	18.4	15.0	8.5	7.0	T.	58.9
Oswego		T.	3.0	11.4	48.1	37.9	7.4	T.	T.	107.8
Port Jervis		T.		T.	10.5	15.0	6.0			31.5
Rochester		1.0	9.2	2.6	22.9	14.1	5.0	0.3	T.	55.1
Roslyn			T.	1.5	1.8	12.0	T.	T.		15.3
Setauket			T.	2.0	3.0	8.2	1.0	0.0		14.2
Sharon Springs (No. 1)		T.	T.	1.0	19.0	31.0	7.0	14.0		72.0
Syracuse		5.2	10.2	7.5	27.8	16.6	6.1	3.2	T.	76.6
Wanakena	T.	0.5	11.7	20.2	35.7	24.6	25.0	8.0	T.	[2] 125.7
Warwick			T.	2.0	12.0	14.0	9.0	T.		37.0
Watertown		T.	7.6	10.7	32.1	19.9	7.5	T.	T.	77.8
West Berne		T.	3.0	3.0	13.0	41.0	7.0	16.0		83.0
West Point		T.	T.	T.	9.4	16.1	6.0			31.5
North Carolina										
Asheville		T.	T.	1.1	T.	6.2	0.4			7.7
Banners Elk				4.0		T.	3.0	T.		7.0
Beaufort										0.0
Brevard			(*)	1.5		6.0	T.			
Bryson City						(*)				
Charlotte				T.		3.5				3.5
Cullowhee			T.	0.5	T.	6.2	0.5		T.	7.2
Elizabeth City				0.5		T.				0.5
Elkin				1.0		12.0				13.0
Fayetteville						T.				T.
Goldsboro				T.		0.5				0.5
Greensboro				T.		4.8				4.8
Hatteras										0.0
Henderson				T.		1.7				1.7
Hendersonville				T.	T.	5.0	T.			5.0
Hickory				T.		4.8				4.8
Hot Springs			T.		T.	2.0				2.0
Jefferson			T.	1.8	1.5	9.0	1.0		T.	13.3
Lenoir				3.2	T.	11.0				14.2
Lumberton										0.0
Marion				0.5		9.5				10.0
Marshall		T.	T.	T.		6.0	T.			6.0
Moncure						0.2				0.2
Montreat			0.2	1.3		13.0	1.0			15.5
Mount Mitchell		2.0	5.0	(*)	(*)	26.0	8.0			
Moxley				1.0		3.0				4.0
Newbern				T.						T.
Oxford						0.5				0.5
Parker		T.	0.8	7.5	0.5	14.4	1.2			24.4
Pinehurst				T.		4.0				4.0
Raleigh (Weather Bureau)				0.1		1.8				1.9

[2] Trace in June, 1929.

Monthly and seasonal snowfall, 1928–29—Continued

[Inches and tenths]

Station	1928				1929					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
North Carolina—Contd.										
Rock House (No. 1)	------	T.	T.	2.4	T.	5.0	0.3	------	------	7.7
Rockingham	------	------	------	T.	------	1.5	------	------	------	1.5
Sloan	------	------	------	------	------	0.5	------	------	------	0.5
Tarboro	------	------	------	------	------	2.0	------	------	------	2.0
Tryon	------	------	------	------	------	7.0	------	------	------	7.0
Weldon	------	------	------	1.0	------	2.0	------	------	------	3.0
Wenona	------	------	------	T.	------	T.	------	------	------	T.
Wilmington	------	------	------	------	------	------	------	------	------	0.0
Winston-Salem	------	------	------	T.	------	3.5	------	------	------	3.5
North Dakota										
Amenia	------	------	------	4.0	11.0	2.0	4.0	2.0	T.	23.0
Arnegard	------	0.5	T.	3.5	7.5	4.5	12.0	5.5	1.0	34.5
Ashley	------	------	2.0	3.0	21.8	6.0	7.2	6.5	0.5	47.0
Beach	------	5.0	T.	T.	7.5	2.0	5.0	1.0	0.5	21.0
Berthold Agency	------	T.	T.	5.0	6.0	1.0	5.5	T.	T.	17.5
Bismarck	------	T.	0.6	2.8	8.8	3.1	6.2	1.8	1.0	24.3
Bowman	------	7.0	------	0.5	3.0	0.9	11.0	T.	T.	22.4
Carson	------	1.0	1.0	1.8	12.6	2.0	11.4	2.0	1.0	32.8
Crosby	------	------	------	4.0	3.0	1.2	1.7	2.0	1.0	12.9
Devils Lake	------	T.	T.	3.5	5.5	1.9	6.5	1.9	T.	19.3
Dickinson	------	1.0	0.5	3.9	18.2	3.9	18.9	0.8	1.3	48.5
Dunn Center	------	------	T.	1.0	9.0	3.0	4.0	1.0	1.0	19.0
Dunseith	------	0.5	------	2.3	2.5	1.0	T.	------	1.0	7.3
Ellendale	------	------	0.4	4.7	10.9	4.1	3.8	8.3	0.5	32.7
Fessenden	------	------	------	3.8	5.1	3.0	4.0	(*)	0.5	------
Fryburg	------	T.	T.	2.0	18.0	7.0	18.5	0.5	0.5	46.5
Fullerton	------	------	1.4	7.3	22.7	7.6	3.3	12.2	1.0	55.5
Grafton	------	------	T.	4.3	11.1	1.7	1.0	(*)	(*)	------
Grand Forks	T.	------	T.	7.4	11.1	2.6	1.5	2.3	T.	24.9
Hettinger	------	2.0	1.0	T.	7.0	0.5	11.0	2.0	T.	23.5
Jamestown	------	------	0.2	2.5	6.2	6.0	4.2	5.8	------	24.9
Larimore	------	------	------	4.5	14.0	4.0	7.0	3.0	1.0	33.5
McKinney	------	T.	------	1.0	3.0	4.5	4.5	7.0	------	20.0
McLeod	------	------	T.	1.3	11.1	1.9	2.5	4.2	0.3	21.3
Minot	------	2.2	T.	1.5	1.0	3.5	5.8	2.0	------	16.0
Mott	------	5.0	0.2	0.5	17.5	7.5	21.5	2.0	------	54.2
Napoleon	------	------	T.	3.0	10.0	3.5	5.0	9.0	0.5	31.0
Pembina	------	------	------	10.0	12.0	0.2	------	(*)	------	------
Powers Lake	------	4.9	------	4.4	5.0	7.7	6.9	3.0	2.3	34.2
Steele	------	T.	T.	4.8	11.5	3.0	4.5	3.0	------	26.8
Towner	------	T.	------	2.0	10.0	2.0	5.0	4.0	------	23.0
Valley City	------	------	T.	2.5	8.5	7.0	4.0	(*)	------	------
Westhope	------	T.	0.3	T.	1.0	T.	T.	2.0	------	3.3
Williston	------	1.9	T.	5.6	10.9	5.1	11.8	12.5	0.7	48.5
Willow City	------	0.7	T.	3.8	7.6	3.6	4.7	4.3	------	24.7
Ohio										
Akron	------	T.	3.5	T.	10.2	7.7	0.5	T.	T.	21.9
Amesville	------	------	T.	0.1	3.5	6.0	4.0	------	------	13.6
Ashland	T.	T.	5.3	0.5	15.6	9.2	0.5	T.	1.0	32.1
Cadiz	------	------	2.3	0.5	8.5	11.5	7.0	------	T.	29.8
Canfield	------	------	8.0	T.	13.0	5.1	3.5	------	T.	29.6
Canton	------	------	5.2	0.8	9.6	10.1	6.1	------	------	31.8
Cincinnati (Abbe Observatory)	------	------	T.	1.1	8.2	6.9	1.2	------	------	17.4
Cleveland (Weather Bureau)	------	T.	1.2	1.9	16.6	6.8	1.2	T.	T.	27.7
Columbus (Weather Bureau)	------	------	T.	T.	7.7	10.3	0.4	T.	T.	18.4
Cortland	------	T.	5.5	T.	15.5	10.0	0.4	------	T.	31.4
Dayton	------	------	0.5	T.	11.1	10.1	0.5	T.	T.	22.2
Demos	------	------	0.6	0.2	4.0	5.6	4.9	------	T.	15.3
Findlay	------	------	2.1	T.	4.5	4.8	1.0	T.	T.	12.4
Hamilton (No. 1)	------	------	T.	0.3	9.0	6.2	------	------	------	15.5
Ironton	------	------	0.5	T.	6.2	12.5	3.4	------	------	22.6

Monthly and seasonal snowfall, 1928–29—Continued

[Inches and tenths]

Station	1928				1929					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Ohio—Continued										
Lancaster			T.	T.	5.7	8.4	2.4		T.	16.5
McArthur			T.	T.	8.2	11.2	4.0			23.4
Marietta (No. 1)			T.	0.1	4.5	6.0	4.5			15.1
Marion			1.0	T.	11.5	9.5	T.		T.	22.0
Millersburg			2.9	0.6	8.4	8.5	3.5	T.	T.	23.9
Millport		T.	2.0	0.5	8.1	9.2	6.7			26.5
Mount Vernon (near)			3.0	T.	6.5	8.5	3.0		T.	21.0
Oberlin			1.2	0.5	13.9	7.8	0.8	T.		24.2
Peebles (near)			T.	T.	5.5	8.0	3.0			16.5
Sandusky			0.2	0.7	16.6	14.6	0.9	T.	T.	33.0
Tiffin			1.5	0.2	10.8	11.2	1.2	T.	T.	24.9
Toledo			1.8	1.0	15.8	7.5	0.6	T.		26.7
Urbana			T.	0.5	8.3	10.5	T.		T.	19.3
Wapakoneta		T.	3.5	0.5	8.5	8.8	1.0		T.	22.3
Washington Courthouse			0.5	T.	7.5	7.2	1.0		T.	16.2
Wauseon			0.5	T.	17.0	6.0	1.0		T.	24.5
Waverly			T.	T.	4.3	11.7	5.0	(*)	(*)	
Zanesville			0.1	0.1	5.8	6.7	3.5	T.	T.	16.2
Oklahoma										
Ada				T.		6.0				6.0
Altus					T.	2.5				2.5
Alva		T.	3.0	3.0	2.0	5.0				13.0
Antlers						5.2				5.2
Ardmore						4.0				4.0
Beaver			3.0		3.3	7.2				13.5
Blackwell				0.1	0.3	2.6				3.0
Broken Arrow			T.	0.3	2.5	11.9				14.7
Buffalo				7.0	4.0	6.0				17.0
Carnegie				T.	(*)	4.0				
Chandler				0.5	0.5	7.5				8.5
Chickasha				T.	T.	3.5				3.5
Durant					T.	1.0				1.0
Enid				0.5	0.5	5.2				6.2
Erick			T.		T.	5.0				5.0
Hammon			4.0	0.5	0.5	10.0				15.0
Holdenville				T.	T.	8.0				8.0
Hugo						4.0				4.0
Idabel						2.8				2.8
Kenton			6.2	6.5	1.6	4.2	2.7		0.5	21.7
Kingfisher			T.	T.	0.5	10.5				11.0
Lawton						4.0				4.0
Muskogee				0.8	2.5	11.9				15.2
Okeene			3.0	T.	1.0	11.0				15.0
Oklahoma City			0.1	0.5	0.3	4.9	T.			5.8
Okmulgee						7.4				7.4
Pauls Valley				T.	T.	6.0				6.0
Pawhuska			1.2	4.0	3.2	14.2				22.6
Poteau						12.5				12.5
Shawnee				1.0	0.1	5.1				6.2
Stillwater				T.	1.5	11.8				13.3
Sulphur					T.	4.0				4.0
Tulsa				0.3	2.5	10.7				13.5
Tuskahoma					T.	9.7				9.7
Vinita			T.	1.0	3.0	8.5				12.5
Waurika					T.	3.2				3.2
Weatherford			T.	2.0	T.	9.0				11.0
Woodward				2.0	0.8	16.0				18.8
Oregon										
Ashland			T.		5.0		3.5	5.0		13.5
Astoria					11.8			T.		11.8
Baker		T.	0.7	6.5	29.6	2.2	1.0	2.0	T.	42.0
Bend			0.8	3.5	18.5	4.0	0.8	T.	T.	27.6
Cascade Summit	2.5	4.0	8.0	47.5	167.0	14.0	35.0	37.0	5.0	[2] 320.0
Chiloquin			4.2	20.0	17.0	2.0	4.0	5.0	T.	52.2

[2] Trace in June, 1929.

Monthly and seasonal snowfall, 1928–29—Continued

[Inches and tenths]

Station	1928				1929					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Oregon—Continued										
Cornucopia		T.	15.1	62.8	91.8	37.0	14.5	40.8	1.5	263.5
Corvallis				2.8	4.5					7.3
Cruzatte			4.0	23.0	88.0	11.0	26.0	49.0	6.5	207.5
Dayville			0.8	0.5	14.0	T.	2.0	3.0		20.3
Detroit			0.5	3.5	32.5	0.5	4.5	0.5		42.0
Diamond Lake	(*)	1.5	10.0	54.0	65.0	7.0	15.5	33.0	7.0	
Eugene				5.0	4.0					9.0
Fall River			4.2	13.0	48.0	7.0	3.0	3.5	T.	78.7
Falls City				1.5	8.5		T.	T.		10.0
Fish Lake	1.0	1.5	12.8	23.0	64.3	7.8	17.0	42.7	5.5	175.6
Forest Grove				0.3	15.5	T.	T.	T.		15.8
Government Camp	(*)	(*)	10.5	60.0	91.0	24.0	41.2	(*)	(*)	
Grants Pass					1.0		T.	T.		1.0
Heppner			1.0	1.0	31.8	8.8	T.	T.		42.6
Hood River				11.4	30.9	2.0	T.			44.3
Joseph		T.	0.3	7.4	28.5	14.0	2.5	8.5	T.	[2] 61.2
Klamath Falls			3.0	12.5	18.5	T.	5.7	3.5		[2] 43.2
La Grande			0.5	6.5	48.5	3.5	0.5	1.0		60.5
Meacham	T.	T.	3.7	20.4	82.7	20.1	11.2	19.9	0.4	[2] 158.4
Medford			0.3	T.	3.0	T.	2.0	1.8		7.1
Newport					(*)					
Pendleton			T.	1.0	24.0	3.5				28.5
Portland				0.2	13.2	0.3	0.2	T.	T.	13.9
Prairie City	T.		3.0	5.1	37.7	2.5	6.3	6.1	0.5	[14] 61.7
Prospect			4.0	T.	21.5	0.5	3.5	15.0		44.5
Riverside		(*)		5.0	5.5	2.5	T.	12.0		
Roseburg					2.2	T.	0.3	0.2		2.7
Salem				7.5	11.7					19.2
Siskiyou		T.	10.0	44.0	39.0	5.0	21.0	23.0	4.0	146.0
The Dalles				3.0	22.5	0.5				26.0
Vale			T.	3.1	23.5	(*)	4.5	T.	T.	
Wallowa			(*)	(*)	40.8	13.7	11.1	10.1		
Welches				(*)	43.0	1.4	10.9	18.6	(*)	
Pennsylvania										
Allentown			T.	0.3	2.2	8.2	3.2	T.		13.9
Altoona		T.	6.0	T.	11.0	21.0	5.0	2.0		45.0
Beaver Dam		T.	1.0	0.5	6.8	8.0	1.5			17.8
Bellefonte		T.	1.7	T.	6.5	8.9	7.1	1.5		25.7
Brookville		T.	2.0	T.	17.0	15.5	3.0	T.		37.5
Butler			3.2	1.0	6.5	15.0	1.0		T.	26.7
Carlisle		T.	T.		8.0	25.0	4.0	T.		37.0
Catawissa		T.	T.	T.	5.0	10.5	1.0	0.8		17.3
Chambersburg			0.1		7.5	14.2	1.0			22.8
Claysville			1.5	T.	3.9	9.0	5.0	T.	T.	19.4
Clearfield		T.	5.0	T.	19.0	10.0	3.0	1.0		38.0
Coatesville			0.4	1.3	2.6	13.5	1.0			18.8
Coudersport			7.5	1.1	15.9	18.6	4.4			47.5
Doylestown			T.	2.5	T.	8.0	T.			10.5
Ebensburg		T.	8.2	T.	11.0	14.0	8.0	3.0	T.	44.2
Elk Lick			17.0	4.0	16.0	15.0	19.0	6.0		77.0
Erie	T.	0.5	5.9	3.8	13.4	9.8	2.5	T.	T.	35.9
Franklin		0.5	1.0	2.0	14.0	10.0	3.0	T.	T.	30.5
Freeland		0.2	3.2	2.4	14.8	18.6	22.0	6.5	T.	67.7
Gettysburg			0.5		5.4	11.2	3.0			20.1
Gordon		T.	5.0	1.0	15.0	19.0	11.0	1.0		52.0
Greensburg		T.	4.3	0.2	10.5	10.8	11.7	T.	T.	37.5
Harrisburg		T.	T.	T.	5.5	11.6	5.0	T.		22.1
Hawley		T.	3.0	2.0	11.2	14.5	7.0	3.5		41.2
Huntingdon		T.	T.	T.	7.8	11.3	2.0			21.1
Lancaster			T.	1.0	4.0	12.0	T.			17.0
Lewisburg			0.7	T.	10.0	12.0	4.5			27.2
Lock Haven		T.	0.5	T.	3.0	14.5	0.5	T.		18.5
Lykens		T.	1.0		2.8	10.0	3.5	2.0		19.8
Mauch Chunk		T.	1.5	0.5	5.0	14.5	6.0			27.3
Meadville		T.	6.3	T.	18.1	7.4	1.0	T.	T.	32.5

[2] Trace in June, 1929.

[14] Includes June, 1929: Prairie City, 0.5.

Monthly and seasonal snowfall, 1928–29—Continued

[Inches and tenths]

Station	1928				1929					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Pennsylvania—Continued										
Mifflintown			2.0	T.	6.5	9.0	2.5	T.		20.0
Montrose			8.0	T.	7.0	13.0	15.0	13.0		56.0
Mount Pocono	T.	T.	4.5	1.0	11.0	20.0	13.0	3.0		52.5
Muncy Valley		T.	1.0	T.	6.0	8.6	7.0	4.7		27.3
Philadelphia (Weather Bureau)			T.	3.2	0.5	8.2	T.			11.9
Pittsburgh		T.	1.4	T.	10.5	10.0	3.1	T.	T.	25.0
Reading			0.1	0.5	3.6	11.3	3.0			18.5
Scranton		T.	0.6	0.4	2.3	7.5	4.4	1.5		16.7
Somerset	T.	T.	12.0	1.0	7.7	13.3	10.5	6.0	T.	50.5
Towanda		T.	0.5	T.	7.3	10.2	5.0	9.0		32.0
Uniontown			2.5	T.	6.0	6.0	6.5			21.0
Warren	T.	1.5	9.9	4.7	19.7	10.1	7.3	1.0		54.0
Wellsboro		0.4	5.0	T.	14.7	17.8	6.0	12.5		56.4
Williamsport			0.7	T.	4.5	9.5	0.5	T.		15.2
York		T.	T.	T.	4.0	13.0	6.0	T.		23.0
Rhode Island										
Block Island			0.2	0.5	5.1	4.2	2.0	0.2		12.2
Kingston			T.	1.0	7.5	15.5	7.0	2.0		33.0
Providence			T.	1.0	8.4	12.2	5.2	0.7		27.5
South Carolina										
Anderson						2.0				2.0
Blackville										0.0
Calhoun Falls						0.5				0.5
Charleston										0.0
Cheraw				T.		0.7				0.7
Clemson College						5.0				5.0
Columbia						T.				T.
Darlington						T.				T.
Due West						0.5				0.5
Greenville						5.5				5.5
Greenwood						0.1				0.1
Heath Springs						0.5				0.5
Kershaw						0.1				0.1
Kingstree						T.				T.
Laurens						1.5				1.5
Marion				T.						T.
Newberry						0.1				0.1
Saluda				T.		T.				T.
Santuck						0.5				0.5
Society Hill						0.5				0.5
Spartanburg				T.		5.5				5.5
Walhalla					T.	5.5				5.5
Wedgefield						T.				T.
Winnsboro						T.				T.
Winthrop College						2.0				2.0
South Dakota										
Aberdeen		T.	T.	5.1	21.7	7.7	2.6	9.0	3.5	49.6
Ardmore		4.0	0.7	2.4	2.1	6.1	12.2	8.0		35.5
Brookings			0.4	0.9	9.6	4.5	4.6	12.4		32.4
Camp Crook		5.0	3.0	T.	4.0	8.0	21.0	1.0		42.0
Cottonwood		T.	6.0	0.4	4.6	0.4	24.4	(*)		
Custer	(*)	1.5	2.5	4.0	10.5	14.0	21.0	24.0	3.0	
Deerfield	1.0	4.0	7.5	8.9	13.3	20.7	35.0	19.5	14.8	124.7
Dumont	0.8	3.8	9.2	6.8	12.7	26.9	48.1	18.5	9.0	135.3
Dupree		0.5	2.3	T.	17.9	15.2	12.5	6.5	0.2	55.1
Faulkton		4.0	2.0	1.0	18.5	2.0	13.0	6.0	T.	46.5
Forestburg		T.	7.1	T.	14.1	2.3	14.9	1.1	T.	39.5
Hardy Ranger Station	2.0	7.1	7.5	8.0	9.5	20.0	18.1	12.8	6.7	91.7
Hermosa		T.		1.7	2.9	3.6	15.3			23.5
Highmore		T.	0.5	1.0	8.0	2.5	5.3	9.5		26.8
Huron		0.2	2.2	0.9	16.1	6.9	5.9	11.0	T.	43.2

Monthly and seasonal snowfall, 1928–29—Continued

[Inches and tenths]

Station	1928				1929					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
South Dakota—Continued										
Lead		5.0	7.4	5.0	8.0	11.4	26.6	11.2	3.8	78.4
Lemmon				(*)	9.0	2.0	29.0			
Milbank			T.	T.	18.2	13.7	6.5	5.5	T.	43.9
Mitchell		T.	6.0	0.6	10.0	11.7	9.1	8.0	T.	45.4
Oelrichs		(*)	6.0	6.0	15.0	5.5	39.0	16.0		
Pierre		1.7	2.0	2.4	9.6	5.9	5.6	7.8	T.	35.0
Pollock				1.0	15.0	2.0	5.0			23.0
Rapid City	T.	4.9	3.1	1.0	4.5	5.7	24.1	19.3	3.8	66.4
Rochford	0.9	4.7	11.1	14.5	22.6	23.5	46.0	26.1	17.7	167.1
Sioux Falls		T.	5.0	3.5	22.2	19.4	5.7	10.5		66.3
Spearfish		8.0	8.0	2.0	14.7	19.0	22.0	16.0	4.0	[15] 94.6
Wood		1.6	7.0	0.5	3.3	4.7	5.0	(*)		
Yankton		T.	12.0	0.6	6.3	7.0	6.0	2.6		34.5
Tennessee										
Ashwood			T.		T.	1.0	2.0			3.0
Celina				T.	T.	18.0	T.			18.0
Chattanooga					T.	T.	0.1			0.1
Clarksville				T.	0.1	12.6	0.3			13.0
Coldwater					T.		T.			T.
Copperhill						0.7				0.7
Decatur				T.	T.	T.	T.			T.
Erwin		T.			T.	1.5	1.0			2.5
Florence			T.	T.	T.	3.0	T.			3.0
Hohenwald					T.	1.0	3.0			4.0
Jackson					T.	9.0				9.0
Johnson City					0.5	3.0	4.0			7.5
Kenton						16.0	(*)			
Knoxville			T.	T.	0.1	1.6	T.			1.7
McMinnville					0.2	1.1	1.2			2.5
Memphis			T.		T.	3.3				3.3
Nashville				T.	T.	16.7	1.5			18.2
Palmetto					T.	T.	T.			T.
Rogersville			T.		T.	2.0	T.			2.0
Rugby			T.	T.	T.	13.0	3.0			16.0
Waynesboro		T.	T.		0.3	T.	2.0			2.3
Texas										
Abilene					T.	0.5				0.5
Albany			13.9			7.3				21.2
Amarillo			13.9	3.0	1.0	5.6				23.5
Austin										0.0
Ballinger										0.0
Beaumont										0.0
Big Spring						T.				T.
Brenham						T.				T.
Brownsville										0.0
Brownwood						4.5				4.5
Buena Vista						3.0				3.0
Canadian			6.0	T.	T.	5.0				11.0
Corpus Christi										0.0
Corsicana										0.0
Cuero										0.0
Dalhart			6.5	6.3	0.5	5.4	2.0			20.7
Dallas			T.		T.	2.0				2.0
Del Rio										0.0
Dimmitt			5.0			1.6				6.6
Eagle Pass										0.0
Eastland										0.0
El Paso				T.	T.	1.1				1.1
Fort Stockton						3.5				3.5
Fort Worth					T.					T.
Galveston										0.0
Greenville						T.				T.
Groesbeck						T.				T.

[15] Includes June, 1929: Spearfish, 0.9.

Monthly and seasonal snowfall, 1928-29—Continued

[Inches and tenths]

Station	1928				1929					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Texas—Continued										
Haskell						3.0				3.0
Henrietta						2.5				2.5
Houston						T.				T.
Kerrville										0.0
Lampasas										0.0
Liberty										0.0
Llano										0.0
Lubbock			T.			3.2				3.2
Memphis			T.			6.0				6.0
Nacogdoches										0.0
Palestine						T.				T.
Paris					T.	3.8				3.8
Pierce										0.0
Plainview			T.		T.	5.0				5.0
Port Arthur										0.0
Quanah				T.	T.	3.2				3.2
Romero			8.0	8.0		12.5	4.0		T.	32.5
Sabinal										0.0
San Antonio										0.0
Spearman			5.0	1.0	0.5	4.0				10.5
Taylor						0.1				0.1
Temple										0.0
Vega			10.0	5.5	1.5	3.0	2.5		1.0	23.5
Waco										0.0
Utah										
Alton			5.0	(*)	31.0	22.0	3.9	4.0		
Beaver		T.	13.0	6.0	12.5	8.0	3.0	4.0	T.	46.5
Blanding		T.	8.5	14.5	11.4	5.7	T.	0.7		40.8
Brigham City		T.	T.	15.0	23.0	9.0	18.0	12.0		77.0
Castle Dale			2.0	3.0	5.0	5.0	2.0	1.0		18.0
Cedar City			7.0	17.0	15.0	20.5	T.	T.	T.	59.5
Duchesne			8.5	2.0	5.0	4.0	9.0	1.5		30.0
Emery			T.	2.0	6.5	9.5	7.0			25.0
Escalante				4.0	17.8	9.5				31.3
Fillmore			19.0	8.0	14.0	19.0	3.2	12.0		75.2
Fort Duchesne			T.	0.8	7.5	4.0	8.7			21.0
Fruitland			8.0	6.0	18.0	18.5	8.5	8.5	T.	67.5
Government Creek		5.0	9.0	8.8	7.0	11.8	20.0	10.5		72.1
Green River			T.	2.5	7.7	1.3	T.	T.		11.5
Heber		4.0	8.0	6.0	18.5	29.0	17.5	17.0	T.	100.0
Hiawatha	T.	1.0	11.8	14.2	17.2	9.7	10.4	(*)	7.0	
High Line City Creek		1.0	24.0	18.0	43.5	31.5	36.5	32.0	T.	186.5
Huntsville	(*)	(*)	9.0	10.5	66.0	33.0	37.0	11.0	(*)	
Ibapah		9.0	5.5	15.5	6.8	9.5	12.0	3.2		61.5
Kanab				6.5	12.2	11.1				29.8
Koosharem			5.0	0.5	20.0	(*)	(*)	(*)	(*)	
Laketown		12.0	12.5	10.5	16.5	4.5	10.5	3.5		70.0
Levan			22.0	7.5	10.0	14.5	16.0	11.0	T.	81.0
Loa		T.	2.5	T.	16.0	12.0	3.0	T.	1.0	34.5
Logan		7.1	3.0	11.0	24.5	9.5	9.5	6.0		70.6
Lower American Fork			8.0	4.7	23.5	16.0	12.5	10.5		75.2
Lower Mill Creek			10.5	18.5	35.2	35.5	14.0	26.0	T.	139.7
Manila		7.0	16.5	3.0	6.0	9.2	11.0	25.0		77.7
Manti			6.6	4.9	9.6	14.1	14.8	6.7	T.	[1] 56.7
Milford		T.	2.0	1.7	17.2	14.6	3.5	1.7	2.0	42.7
Moab			2.5	T.	7.5	9.0	T.	0.5		19.5
Modena		T.	0.2	9.6	23.3	8.9	2.8	4.8	T.	49.6
Monticello		T.	14.0	21.5	33.0	21.0	6.0	1.2	0.5	97.2
Morgan		10.0	8.0	16.0	49.0	22.0	22.0	10.0	T.	137.0
Moroni	T.	T.	8.9	5.2	12.1	16.9	19.4	5.1	1.2	68.8
Mountain Dell		4.0	22.0	8.0	40.0	48.0	28.0	26.0	(*)	
Mount Emmons			3.9	1.5	4.5	12.5	7.0	(*)		
Ogden		T.	1.0	6.5	37.5	15.0	19.5	6.5		86.0
Panguitch		T.	1.0	4.0	10.5	3.0	2.0	3.5	1.0	25.0
Park City	2.0	13.0	29.0	16.0	(*)	32.8	31.5	48.5		(*)
Parowan		T.	7.5	8.7	10.0	16.5	1.5	6.0	T.	50.2

[1] Trace in June, 1929.

Monthly and seasonal snowfall, 1928–29—Continued

[Inches and tenths]

Station	1928				1929					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Utah—Continued										
Piute Dam			2.0	2.0	12.5	13.0	4.0	T.		33.5
Price				3.0	10.5	3.5	8.0			25.0
Provo			1.0	2.5	12.0	11.5	13.0	(*)		
St. George				1.0	0.5	5.0	0.2			6.7
Salina			T.	3.0	4.7	15.0	8.0	(*)	6.0	
Salt Lake City		T.	6.1	6.2	17.7	13.2	10.3	19.0	T.	72.5
Santaquin			(*)	6.0	27.0	24.0	18.0	12.0	(*)	
Scipio			2.0	5.0	12.1	7.0	7.0	3.0	T.	36.1
Silver Lake	2.0	11.5	63.0	46.0	70.0	72.0	66.0	88.0	8.0	426.5
Sunnyside			10.8	10.5	13.0	8.2	0.8	0.2		43.5
Thistle			15.0	12.5	44.0	39.0	28.0	18.0	3.0	159.5
Tooele		6.0	22.0	10.0	17.5	14.0	22.0	16.0	T.	107.5
Utah Lake (Lehi)			5.0	5.0	12.0	5.5	4.0	9.0	T.	40.5
Watson (near)		5.2	21.2	5.7	7.7	5.6	3.8	4.0	1.2	54.4
Widtsoe			6.0	8.0	23.5	11.0	9.5	7.5	4.0	69.5
Woodruff		7.0	7.0	2.0	17.0	1.5	14.5	5.0	5.0	59.0
Vermont										
Bloomfield	T.		4.0	9.5	17.5	19.5	13.0	(*)		
Burlington		T.	4.2	1.7	6.4	13.8	4.5	7.7	T.	38.3
Chelsea		3.0	9.0	6.0	25.0	25.0	12.0	20.0		100.0
Cornwall		T.	4.0	(*)	(*)	(*)	4.0	10.0	(*)	
Enosburg Falls		T.	7.0	5.0	17.5	28.0	16.0	9.0	T.	[2] 82.5
Garfield	T.		5.5	16.0	19.0	32.5	16.5	15.0		104.5
Northfield		0.3	6.0	13.5	17.2	32.3	12.9	23.0	T.	105.2
St. Johnsbury	T.	T.	3.7	12.9	20.6	25.3	8.6	15.9	T.	87.0
Somerset		2.0	8.2	7.6	26.3	41.0	24.2	35.8	3.0	148.1
Woodstock		T.	2.5	9.0	24.0	37.0	9.5	21.0	T.	103.0
Virginia										
Blacksburg			0.5	0.9	1.9	26.9	T.	T.	T.	30.2
Callaville				1.5	1.0	3.0				5.5
Cape Henry				T.	0.2	3.9				4.1
Charlottesville (near)				T.	0.5	8.0				8.5
Culpeper			T.		0.7	7.5				8.2
Dahlgren			T.	0.5	1.5	7.5				9.5
Dale Enterprise			T.	1.0	2.0	10.0	T.	T.		13.0
Damascus			0.5	0.2	1.8	2.7	3.5			8.7
Dante			0.5	0.2	0.5	8.0	T.		T.	9.2
Emory			T.	T.	0.9	4.7	2.3			7.9
Fredericksburg (near)			0.1		2.0	7.5				9.6
Glenlyn			3.8		(*)	4.7	0.8			
Hopewell				1.5	T.	2.2				3.7
Hot Springs			1.0	T.	4.1	10.5	2.0	1.0		18.6
Lexington			T.		0.6	10.1				10.7
Lincoln			T.		0.5	10.0	(*)			
Lynchburg				T.	0.9	7.6				8.5
New Canton			T.		2.0	6.5				8.5
Norfolk			T.	T.	0.3	2.9				3.2
Quantico				T.	0.5	4.5	T.			5.0
Richmond			T.	1.2	0.9	2.3	T.			4.4
Runnymede			T.	6.2	1.0	5.5				12.7
Staunton			T.	T.	3.0	7.5				10.5
Williamsburg			T.	6.0	T.	4.0				10.0
Winchester			T.		T.	(*)	T.			
Woodstock			T.		0.5	9.2	T.			9.7
Wytheville			0.9	1.2	1.0	17.3	3.2	T.	T.	23.6
Washington										
Aberdeen					13.0		0.5	0.5		14.0
Anatone			4.0	23.0	54.0	17.0	6.0	23.0		127.0
Bellingham (near)					10.0	T.		T.		10.0
Bumping Lake		0.5	13.0	55.5	64.0	14.0	12.5	18.5	2.0	180.0
Cedar Lake		T.	0.5	5.5	51.8	14.0	8.0	16.0		95.8

[2] Trace in June, 1929.

Monthly and seasonal snowfall, 1928–29—Continued

[Inches and tenths]

Station	1928				1929					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Washington—Continued										
Centralia					(*)		T.	T.		
Cle Elum			1.0	18.5	37.0	7.2		4.0		67.7
Colfax			0.5	3.1	23.3	2.1	1.0	6.0		36.0
Colville			T.	11.5	8.5	1.0	T.			21.0
Dayton (near)			T.	4.0	35.0	8.0	1.0	T.		48.0
Ellensburg			T.	11.8	19.6	0.3	T.			31.7
Everett					16.5	7.0	1.5	4.0		29.0
Goldendale			T.	2.0	21.0	3.0		T.		26.0
La Center (near)				1.0	12.7			1.2		14.9
Lake Kachess		T.	T.	32.0	52.0	30.0	15.0	10.0		139.0
Lakeside			T.	17.0	7.7	T.				24.7
Laurier			1.1	9.9	9.5	7.0	T.			27.5
Leavenworth			5.0	38.0	45.5	4.0	1.0	(*)	(*)	
Lind (near)			T.	4.2	6.0	1.7	T.	T.		11.9
Mount Baker Lodge [16]	(*)	20.0	70.0	78.0	68.0	42.0	121.0	73.0	14.0	([17])
North Head					8.4			0.4		8.8
Olga					9.5			T.		9.5
Olympia					9.0			T.		9.0
Paradise Inn	(*)	10.7	52.1	104.0	143.0	78.5	74.4	68.5	12.0	([17])
Peola			T.	3.0	20.0	25.5	10.5	14.0	10.0	83.0
Port Angeles					10.6	4.0	T.	0.7		15.3
Quinault					11.2	0.6	T.	3.8		15.6
Republic			0.1	11.3	7.3	1.0	T.	3.5		23.2
Rosalia			T.	8.3	11.9	3.8	T.	4.8		28.8
Seattle					11.1	7.0	T.	T.		18.1
Skagit Power Plant				13.0	33.1	19.0	1.0	4.0		70.1
Snoqualmie Pass		1.5	24.0	(*)	(*)	(*)	(*)	54.0	T.	([1])
Spokane			0.9	8.0	18.0	2.8	2.0	2.8		34.5
Stampede			3.0	38.0	58.5	48.0	29.5	20.5		197.5
Stehekin (near)			2.0	46.0	39.0	13.5	1.0	0.5		120.0
Sullivan Lake (near)			3.7	19.0	19.2	9.0	1.5	2.5		54.9
Tacoma					11.9	5.0	T.	5.0		21.9
Tatoosh Island					5.2	T.		0.6		5.8
Walla Walla (a)			T.	3.7	32.4	5.9	0.4	4.0		46.4
Waterville			0.5	20.8	11.3	0.5	1.8			34.9
Wenatchee				12.0	18.7	1.2				31.9
Wenatchee (near)			1.0	19.3	27.5	1.7	0.7	0.5		50.7
Wilbur				13.0	11.0					24.0
Wind River				17.6	32.5		2.2			52.3
Winthrop			5.0	27.5	10.0	1.0	T.	T.		43.5
Yakima			T.	14.3	21.3	0.2	T.	T.		35.8
West Virginia										
Arbovale		T.	11.0	3.0	5.0	15.0	6.0	1.5	T.	41.5
Bancroft			T.	0.5	3.5	22.0	3.0			29.0
Bayard	T.	T.	19.0	8.5	13.0	22.0	10.0	8.0	1.0	81.5
Bens Run			1.0	T.	11.0	10.0	6.0			28.0
Bruceton Mills		T.	11.5	1.0	12.0	(*)	(*)	T.	T.	
Buckhannon			0.2	T.	5.0	18.0	4.0			27.2
Charleston			T.		1.5	19.5	(*)			
Clarksburg		T.	T.	(*)	3.0	14.8	4.0		T.	
Creston			0.5	1.1	1.8	14.2	5.0	T.		22.6
Davis		T.	19.6	4.4	14.9	18.1	13.6	7.5	T.	78.1
Elkins		T.	5.0	2.7	11.0	12.9	8.7	0.5	T.	40.8
Fairmont		T.	2.0	0.5	4.8	14.0	6.5		T.	28.8
Glenville			1.8	1.0	4.2	13.5	5.5			26.0
Horton		1.1	18.4	5.0	22.5	27.3	17.8	7.8	1.1	101.0
Lewisburg			T.	1.5	5.0	13.5	2.0		T.	22.0
Lost Creek			1.0	T.	3.5	12.2	6.0		T.	22.7
Mannington			2.7	1.5	4.1	12.4	11.4		T.	32.1
Marlinton			5.0	1.0	5.0	15.5	1.0	T.	T.	27.5
Martinsburg		T.	T.	T.	3.0	14.2	(*)			
Moorefield			1.5		1.5	20.0	T.		T.	23.0
Morgantown			0.9	T.	4.5	12.5	6.0			23.9
New Cumberland			1.0	0.2	7.8	10.5	3.0	T.		22.5
Parkersburg			T.	0.1	7.4	9.1	4.4		T.	21.0
Pickens		T.	30.0	9.0	31.0	19.0	14.0	10.0	3.0	116.0

[1] Trace in June, 1929. [16] Formerly Heather Meadows. [17] At Mount Baker Lodge, June, 1929, 4.0; at Paradise Inn, 11.0.

Monthly and seasonal snowfall, 1928-29—Continued

[Inches and tenths]

Station	1928				1929					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
***West Virginia*—Continued**										
Piedmont			0.8		3.8	11.0	(*)			
Ryan			1.4	1.1	4.8	14.3	6.8			28.4
Stony River Dam		3.0	17.5	4.0	9.5	21.0	14.0	11.0	T.	80.0
Terra Alta	T.	T.	8.5	5.8	9.0	11.2	8.0	3.4	T.	45.9
Wheeling			0.5	0.3	5.0	8.0	2.3	T.		16.1
Williamson			3.0	0.5	8.0	19.5	T.	T.	T.	31.0
Wisconsin										
Antigo			2.0	3.0	27.0	12.5	7.5	13.5		65.5
Ashland	T.	T.	T.	12.5	33.5	12.0	6.5	4.0	T.	68.5
Beloit			0.5	1.0	10.7	5.0	0.8	0.5		18.5
Brodhead			2.2	T.	20.5	7.0	5.5	0.5		35.7
Burnett		T.	10.1	0.2	34.2	10.9	6.5	3.6	T.	65.5
Chippewa Reservoir			T.	7.5	21.0	10.0	4.0	4.0	T.	46.5
Cornucopia			1.9	13.1	25.2	11.1	13.8	7.6	5.7	78.4
Darlington			(*)	1.0	31.5	9.2	6.5	2.0		
Deerskin Dam	1.5	0.5	7.7	4.2	20.2	11.0	9.5	5.8	0.5	60.9
Eau Claire	T.		T.	5.9	29.7	19.8	5.5	19.4	T.	80.3
Florence	T.	T.	2.5	3.5	33.0	11.8	16.0	10.5	T.	77.3
Fond du Lac			12.0	4.5	33.3	14.5	9.5	5.0	T.	78.8
Grand River Locks			4.0	T.	26.0	7.0	2.0	3.0		42.0
Grantsburg			T.	7.5	27.5	7.2	6.0	0.7	T.	48.9
Green Bay	T.	T.	1.1	1.9	27.5	16.0	8.5	12.2	0.1	67.3
Hancock			1.5	1.5	23.8	6.3	4.0	5.0		42.1
Hatfield			1.5	2.8	32.5	11.5	1.0	13.0	T.	62.3
High Falls	T.	T.	1.0	3.2	33.0	19.5	10.5	10.0	0.5	77.7
Hillsboro			7.0	6.0	26.0	8.0	8.0	4.0		59.0
La Crosse	T.		1.8	2.5	39.6	12.2	8.3	4.5		68.9
Madison	T.		5.9	0.5	31.8	9.9	8.0	2.9		59.0
Manitowoc			7.5	2.5	31.2	18.2	11.2	8.0	T.	78.6
Medford	T.		5.0	3.0	37.5	20.0	7.0	23.5	T.	96.0
Milwaukee			1.2	1.2	24.9	11.2	4.2	T.	T.	42.7
Minocqua	T.	T.	4.0	3.0	23.0	14.0	6.0	8.0	T.	58.0
Mondovi			0.2	0.5	21.6	12.5	8.0	16.9	T.	59.7
New London			2.5	6.0	35.5	13.0	2.0	13.0	T.	72.0
Park Falls		T.	2.5	5.5	35.0	16.5	6.0	12.5	T.	78.0
Prairie du Chien			9.0	T.	25.4	8.5	4.0	T.		46.9
Prentice	T.		4.5	1.2	25.5	18.9	4.9	16.2	0.5	71.7
Racine			T.	T.	17.0	5.5	1.5	0.5		24.5
Rhinelander	T.		4.2	2.0	18.0	11.1	4.0	2.0	T.	41.3
Richland Center			10.0	2.2	38.1	9.6	4.4	6.8		71.1
River Falls	T.		T.	4.5	20.8	9.0	4.7	10.0	T.	49.0
Shawano			2.5	3.5	38.7	21.0	7.5	1.4	T.	74.6
Sheboygan			T.	2.6	40.5	18.9	15.0	8.0	T.	85.0
Solon Springs	T.		T.	13.5	20.0	12.0	7.5	10.0	2.5	65.5
Sturgeon Bay		T.	3.0	T.	41.0	11.1	(*)	1.2	(*)	
Superior			T.	9.3	16.7	4.0	8.3	4.2	1.0	43.5
Watertown			3.7	0.4	28.0	13.5	5.8	T.		46.4
Wausau	T.	T.	2.5	3.0	32.9	12.7	12.3	10.9	0.3	74.6
Weyerhauser	T.	T.	1.2	4.2	20.5	12.5	5.0	6.0	0.3	49.7
Williams Bay		T.	0.5	4.5	20.9	7.0	1.2	0.3		34.4
Wisconsin Rapids	T.		1.2	3.8	33.5	9.0	6.0	9.0		62.5
Wyoming										
Alta	T.	2.0	11.7	16.9	32.5	22.0	21.0	4.5	3.0	113.6
Barnum		8.5	8.0	4.0	8.0	5.0	13.0	6.0	2.5	55.0
Basin		2.4	5.5	3.4	4.7	16.5	6.2	0.2	T.	38.9
Bedford	2.0	10.0	18.0	27.0	29.0	24.5	27.0	15.0	2.0	[18] 156.5
Casper		7.0	15.5	4.5	13.7	13.4	28.0	10.5	6.3	98.9
Centennial	1.0	3.3	23.6	10.0	20.9	11.1	50.9	14.5	2.0	137.3
Cheyenne		4.8	14.6	2.2	3.6	10.6	15.1	15.5	0.5	66.9
Chugwater		4.0	18.0	2.6	3.6	5.6	11.7	7.7	2.0	55.2
Cody		7.0	5.2	3.6	8.5	5.0	14.0	6.0	1.0	50.3
Colony		6.1	7.0	4.6	6.0	9.5	25.0	8.0	4.0	70.2
Dixon	T.	17.0	7.5	8.2	13.0	18.8	19.7	4.5	5.5	94.2

[18] Includes June, 1929: Bedford, 2.0.

Monthly and seasonal snowfall, 1928–29—Continued

[Inches and tenths]

Station	1928				1929					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Wyoming—Continued										
Dome Lake	6.0	21.5	17.0	6.2	16.2	19.4	45.6	47.4	22.0	[19] 201.3
Douglas	------	4.0	9.0	6.0	4.5	3.1	18.5	7.5	2.5	55.1
Echeta	------	7.0	9.0	6.0	5.0	24.0	18.0	6.0	T.	75.0
Elk Mountain	T.	22.0	10.0	------	16.0	23.0	37.0	23.0	6.0	137.0
Ervay	5.0	25.0	40.0	4.0	1.7	8.0	21.0	37.0	2.0	149.7
Evanston	------	10.0	16.3	3.7	23.5	11.2	12.0	10.0	2.0	88.7
Fort Laramie (near)	------	T.	15.9	2.9	1.8	5.5	13.4	7.0	0.5	47.0
Green River	T.	13.0	18.4	4.5	4.7	8.5	2.8	7.1	0.5	59.5
Hampshire	------	3.0	1.0	1.0	2.2	9.2	7.0	4.0	------	27.4
Hunter's Station	------	28.2	15.5	1.4	4.5	10.2	26.5	45.5	11.0	142.8
Kendall	------	24.8	11.5	20.5	23.0	14.0	36.0	15.5	5.0	150.3
Kirtley	------	4.5	5.0	2.0	2.0	2.5	14.0	17.0	------	47.0
Knowles	------	8.5	11.9	2.0	5.0	20.8	37.3	10.0	9.0	104.5
Lander	------	27.6	26.2	1.7	2.2	8.5	9.9	19.5	3.8	99.4
Laramie	T.	1.0	5.0	1.0	2.6	3.5	19.5	17.0	1.5	51.1
Lovell	------	T.	5.5	3.5	7.0	10.0	6.9	------	T.	32.9
Marshall (near)	------	1.6	6.3	5.9	6.2	7.5	20.7	5.5	1.0	54.7
Moran	T.	20.0	20.0	16.0	43.0	19.0	32.0	13.0	10.0	[20] 187.0
Newcastle	------	5.0	T.	4.0	7.0	9.0	17.0	4.0	2.0	48.0
Quaking Aspen Creek	------	31.5	35.0	8.0	10.0	19.0	35.0	32.0	26.0	196.5
Rawlins	T.	12.5	5.5	6.0	6.0	9.0	14.0	13.5	3.0	69.5
Riverton	------	22.0	13.0	0.9	T.	2.5	6.0	4.0	4.0	52.4
Ross (near)	T.	3.5	6.0	2.0	4.5	11.5	24.3	3.8	2.5	58.1
Sage	------	3.7	20.0	13.0	16.5	10.0	9.0	6.0	------	78.2
Sheridan	------	16.8	10.8	4.4	10.8	13.5	24.1	9.8	3.4	93.6
South Pass City	------	9.7	20.3	10.2	19.2	9.4	21.0	24.3	11.2	125.3
Worland	------	6.5	13.0	3.0	1.1	6.4	5.8	0.2	------	36.0
Yellowstone Park	T.	10.0	8.0	10.7	14.1	8.3	9.8	9.8	9.4	[20] 80.3
Lake Yellowstone	------	1.5	13.5	14.2	20.0	7.0	17.0	16.0	10.0	[19] 99.2
Canadian Stations										
Cape Race, Newfoundland	------	T.	0.2	0.1	15.3	17.1	2.6	0.7	------	36.0
Burin, Newfoundland	------	------	0.6	0.2	4.3	2.9	1.8	0.7	------	10.5
Port aux Basques, Newfoundland	------	1.4	10.0	18.1	60.6	17.1	32.8	19.6	(*)	------
Sydney, Cape Breton Island	------	0.5	------	5.5	18.5	16.5	14.0	16.0	1.0	72.0
Halifax, Nova Scotia	------	------	2.2	2.4	9.8	8.6	8.3	4.0	------	35.3
Yarmouth, Nova Scotia	------	------	T.	T.	38.8	26.7	21.4	16.4	------	103.3
St. John, New Brunswick	------	T.	2.8	5.6	18.5	18.4	20.1	2.3	T.	67.7
Charlottetown, Prince Edward Island	------	0.6	7.6	6.5	25.3	21.6	25.3	2.5	3.0	92.4
Chatham, New Brunswick	------	T.	3.2	17.6	15.1	13.0	9.6	0.3	------	58.8
Harrington Harbor, Quebec	(*)	------	------	0.8	14.0	1.0	------	1.5	0.1	------
Anticosti (southwest point) Quebec	------	2.2	6.0	16.5	21.0	5.0	10.0	11.2	1.0	72.9
Father Point, Quebec	------	------	12.5	18.8	36.5	11.2	23.0	38.2	------	140.2
Quebec, Quebec	------	1.0	6.3	18.1	31.1	20.3	13.4	11.9	0.7	102.8
Doucet, Quebec	0.1	0.5	1.1	28.0	51.0	16.0	6.2	2.4	1.0	106.3
St. Hubert, Quebec	------	------	1.0	19.8	22.1	14.4	11.1	10.2	------	78.7
Montreal, Quebec	------	T.	11.8	13.0	29.4	21.5	16.2	11.0	T.	102.9
Ottawa, Ontario	------	T.	7.4	15.5	23.8	12.9	10.8	10.2	T.	80.6
Kingston, Ontario	------	------	1.9	1.0	10.7	10.1	3.4	0.1	------	27.2
Toronto, Ontario	------	T.	0.9	1.7	14.4	13.3	3.2	0.1	0.1	33.7
London, Ontario	0.2	0.2	11.6	9.5	28.0	35.3	5.3	1.0	T.	91.1
Southampton, Ontario	T.	2.5	8.0	15.6	43.6	26.2	12.0	2.2	T.	110.1
Parry Sound, Ontario	0.8	0.3	14.7	35.0	71.0	17.6	13.3	5.2	1.7	159.6
Cochrane, Ontario	------	T.	14.3	6.8	18.2	7.4	17.4	6.1	21.2	[20] 92.6
White River, Ontario	5.0	3.3	3.1	8.2	20.5	9.6	13.5	5.0	8.0	[1] 76.2
Port Arthur, Ontario	------	------	0.4	2.2	18.5	3.6	9.0	0.4	5.0	39.1
Winnipeg, Manitoba	0.2	0.9	T.	3.2	4.9	2.8	9.4	1.3	0.2	22.9
Minnedosa, Manitoba	------	0.1	T.	4.3	9.0	1.4	5.8	4.6	1.5	26.7
The Pas, Manitoba	------	T.	0.5	3.5	1.5	5.3	15.8	4.2	T.	30.8
Port Nelson, Manitoba	------	3.0	1.5	11.0	7.1	2.3	13.1	1.4	7.5	46.9

[1] Trace in June, 1929.
[19] Traces in August, 1928, and June, 1929.
[20] Includes June, 1929: Moran, 14.0; Yellowstone Park, 0.2; Cochrane, 1.2.

Monthly and seasonal snowfall, 1928–29—Continued

[Inches and tenths]

Station	1928				1929					Seasonal
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
Canadian Stations—Con.										
Qu'Appelle, Saskatchewan	-------	1.6	T.	2.0	4.8	5.8	4.6	5.9	4.1	28.8
Moose Jaw, Saskatchewan	-------	1.0	-------	5.0	6.4	8.0	6.0	3.0	3.7	33.1
Swift Current, Saskatchewan	-------	2.4	T.	6.6	17.4	5.4	3.8	4.7	2.6	42.9
Medicine Hat, Alberta	-------	-------	T.	2.5	2.2	13.0	1.8	13.1	2.2	34.8
Calgary, Alberta	-------	3.0	2.2	2.2	4.7	5.5	5.4	14.2	4.0	41.2
Banff, Alberta	-------	1.6	2.3	6.1	3.4	7.4	10.0	12.0	5.9	48.7
Prince Albert, Saskatchewan	-------	0.1	0.3	4.2	4.1	5.6	7.4	18.5	0.4	40.6
Battleford, Saskatchewan	-------	T.	T.	2.2	3.1	4.2	1.0	1.7	1.0	13.2
Edmonton, Alberta	-------	0.4	T.	5.0	9.3	10.5	2.1	7.9	-------	35.2
Kamloops, British Columbia	-------	-------	0.2	2.7	18.0	0.5	0.5	0.6	-------	35.5
Vancouver, British Columbia	-------	-------	-------	T.	16.6	0.3	0.2	9.7	-------	26.8
Victoria, British Columbia	-------	-------	-------	-------	11.9	T.	-------	0.4	-------	12.3
Barkerville, British Columbia	0.7	19.3	21.5	14.0	33.0	25.5	26.6	23.4	7.2	171.2
Estevan Point, British Columbia	-------	-------	-------	-------	15.0	-------	T.	7.8	-------	22.8
Prince Rupert, British Columbia	-------	-------	-------	-------	1.8	6.7	18.6	9.6	-------	36.7
Atlin, British Columbia	-------	3.0	13.7	9.0	11.6	7.5	2.0	2.5	-------	49.3
Dawson, Yukon	2.0	4.9	5.0	11.0	15.5	9.8	3.5	3.0	T.	54.7
Mayo Landing, Yukon	0.5	4.0	2.3	4.0	9.5	7.0	5.0	0.5	-------	32.8

EVAPORATION, 1928

Monthly and annual evaporation (in inches and hundredths) for 1928

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Alabama													
Silverhill			3.59	5.86	6.07			6.11		4.05	1.92		
Arizona													
Lee's Ferry	1.67	2.78	5.52	8.73	10.27	13.30	13.47	11.47	9.71	6.07	2.43		
Mesa	3.13	3.66	6.66	8.37	11.48	12.20	12.22	9.99	8.33	4.97	3.62	3.24	87.88
Roosevelt	1.60	2.52	4.51	7.70	9.81	12.14	11.75	9.96	7.94	4.49	2.68	1.61	76.60
Willcox	5.06	4.35	7.21	11.73	7.72	11.08	8.22	5.93	7.02	3.76	2.69		
Yuma [1]	4.09	4.82	6.78	9.56	11.03	12.08	10.68	9.30	8.02	5.75	4.45	4.16	90.72
Yuma (citrus)	4.34	4.92	8.47	11.56	14.45	17.05	17.44	14.93	12.51	8.25	5.79	4.51	124.23
California													
Alvarado (near)	1.31	2.47	3.22	5.13	6.08	7.62	6.91	5.80	4.80	3.61	1.83	0.98	49.76
Chula Vista	2.81	3.33	4.75	6.01	5.67	6.33	7.43	6.69	5.43	4.49	3.80	3.00	59.75
Fall River Mills			3.09	5.45	8.76	10.64	13.01	11.60	8.67	5.45			
Oakdale (near)	0.95	1.90	3.06	4.66	10.52	14.28	14.34	13.25	9.62	5.17	2.15	1.79	81.69
Tahoe (floating pan)					4.21	5.61	6.11	7.42	6.59	2.36			
Hawaii													
Hoaene (upper)	3.45	3.55	4.59	4.83	5.48	5.86	5.95	6.41	5.96	4.90	2.79	3.51	57.29
Maunawili	3.67	3.20	3.58	4.22	4.18	4.35	4.68	4.73	3.96	3.88	3.23	3.67	46.34
Idaho													
Arrowrock				3.17	7.23	7.51	9.95	9.06	5.67				
Jerome													
Milner Dam				5.19	8.14	8.34	8.70	9.00	5.49	2.25			
Kansas													
Manhattan				6.36	7.12	5.62	7.53	7.09	4.94	3.33			
Tribune				7.83	8.28	8.05	10.69	11.69	9.40	5.68			
Wichita													
Montana													
Agricultural College				4.01	7.02	4.63	7.75	7.29	5.99	2.33			
Malta					8.35	5.57	7.30	5.97	5.36	3.09			
Valier					7.31	5.12	6.47	5.95	4.13				
Willow Creek					6.69	7.07	8.52	7.15	4.49				
Nebraska													
Lincoln				7.11	8.59	6.50	8.24	8.31	7.32	5.13			
Nevada													
Lahontan						5.65	11.15	11.11					
Lamoille						4.82	9.30	8.76	7.07				
New Mexico													
Agricultural College	3.03	4.15	8.17	9.08	9.52	11.78	10.82	7.80	6.92	5.22	2.67	2.78	81.93
Elephant Butte Dam	2.80	2.80	7.71	9.10	9.81	14.48	12.10	9.62	8.32	5.87	2.75	2.18	87.54
Los Griegos	2.02		6.17	8.62	8.10	17.73	11.01	8.38	7.33				
Santa Fe	1.45	1.93	4.31	6.02	6.84	11.21	10.01	7.55	7.51	4.58	1.59	1.66	64.68
New York													
Albany					4.36	4.15	5.42	4.11	3.01	2.48			
Ithaca					3.97	3.51	4.64	3.84	2.61	1.48			
North Carolina													
Chapel Hill	1.79	1.62	3.16	3.70	4.23	5.22	5.25	4.77	4.09	2.66	1.74	1.21	39.44
Ohio													
Ohio State University					4.81	3.85	5.23	4.86		2.48			
Wooster					3.92	3.20	4.76	4.33	3.12	2.00			
Oregon													
Corvallis					5.51	5.07	7.47	7.10					
Warmspring					9.40	9.30	13.16	11.58	7.88	3.68			
Porto Rico													
San Juan	5.43	6.20	7.92	9.47	7.64	8.24	8.71	7.32	7.05	5.99	5.58	5.84	85.39
Texas													
Dilley						11.83	13.30	11.71	7.65	7.16	3.64	2.40	
Hill's Ranch	3.13	2.79	6.15	5.70	7.34	7.56	9.17	9.36	6.48	5.26	2.88	2.15	67.93
Hill's Ranch (floating pan)	1.98	2.36	4.67	5.18	5.75	6.35	6.78	7.96	4.78	4.13	2.43	1.64	54.01
Utah													
Midlake				6.82	12.35	12.15	13.67	14.35	9.92	5.65			
Milford													
Myton						10.16	10.11		6.94				
Pinte Dam					8.22	11.80	11.32	10.28	8.49	5.04			
Salt Lake Airport					9.32	9.08	13.78	12.72	9.49	4.63			
Sevier Bridge						14.21	16.75	12.82	9.99				
Utah Lake			2.68	4.99	8.45	9.60	10.92	10.27	6.02	4.09			
Virgin Islands													
St. Croix			[2] 6.80	7.33	6.47	6.77	6.90	6.64	4.92	5.49	3.90	4.21	
Washington													
Lake Kachess					4.79	3.65	5.97	4.86	2.94				
Walla Walla			2.31	3.64	7.38	7.87	11.19	9.96	5.48	2.73			
West Virginia													
Clarksburg				4.21	5.03	4.09	6.25	4.48	3.57	2.69			

[1] Station opened Jan. 1, 1928; previous data of Yuma made 11 miles to northeast of present station.
[2] For only 24 days.