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Climatography of the United States

Number 40–26

Climatic Guide For New York City, New York and Nearby Areas

U. S. Department of Commerce
Weather Bureau

NOAA

U.S. NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

DEPARTMENT OF COMMERCE

U. S. DEPARTMENT OF COMMERCE
Lewis L. Strauss, Secretary

WEATHER BUREAU
F. W. Reichelderfer, Chief

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National Oceanic &
Atmospheric Administration
U.S. Dept. of Commerce

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GENERAL SUMMARY

New York City, with an area exceeding 300 square miles, has a climate which more closely resembles the continental type than the maritime type, despite its proximity to the Atlantic Ocean and numerous surrounding bays and rivers. It is located on the eastern extremity of the Atlantic coastal plain at the mouth of the Hudson River.

The United States Census Bureau listed the population of New York City in 1950 as 7,891,957 and the city's Health Department has estimated the population in 1955 as being 8,010,000. The assessed valuation of real estate has increased to an all-time record high figure of $21,374,825,121, according to figures released in June, 1956. With people and property thus concentrated in a single location, sudden upheavals of the weather elements have a widespread effect. These changes in the everyday weather combine to establish the general climatic pattern over the years.

A relatively high frequency of day to day weather fluctuations, combined with a tempering oceanic effect, act together to provide the Metropolis and vicinity with a climate which is stimulating to persons of good health without unduly taxing their physical resources.

With the exception of the Bronx, all of the city's five boroughs are located on an island. Elevations range from less than 50 feet over most of Manhattan, Brooklyn and Queens to almost 300 feet in the northern parts of Manhattan and the Bronx, and over 400 feet in Richmond (Staten Island). About 30 miles to the west and northwest of downtown New York, mountains rise to about 1500 feet, while at somewhat lesser distances to the north, the hills in upper Westchester County reach elevations of about 800 feet. These hills and other differences in elevations throughout the general area have a minor influence on the local climate. (See Topographic Map on Page 4.)

The climate of New York City can best be defined as modified continental. Weather situations that make up the climate pattern move from a generally westerly direction and Greater New York is therefore influenced to a greater extent by the land mass to the west than by the ocean to the east.

The maritime influence, however, is shown by the uniform occurrence of precipitation throughout the year in contrast to the summertime concentration of rainfall that is typical of an inland regime. The maritime influence also has its effect on temperatures. During the spring and summer, the afternoon heat in shore areas is frequently modified by the sea breeze, a refreshing wind blowing onshore from the cooler water surface. This sea breeze is strongest and most common along the coast and south shore of New Jersey. It occurs along both sides of Long Island Sound and the New York harbor area. Effect of the sea breeze seldom penetrates more than 10 miles inland and thus interior weather stations show higher maximum temperatures than do shore locations. In winter, when the water surface is warmer than the land, a similar but opposite effect prevails so that coastal minimum temperatures average higher than interior readings. The combined sea breeze and moderating water effect contribute to the general pattern of differences between "in-city" and suburban temperatures that are almost always present, and often of considerable magnitude.

Another maritime climatic factor deserving of mention is the occurrence of coastal storms. These move on a northward or northeastward course off the Middle Atlantic Coast, being most common in the colder half of the year. On occasion, they produce strong winds and heavy precipitation; almost all of New York City's major snowstorms (including the historical blizzard of 1888, and the great snowfall of December 1947) have been associated with coastal storms. The tropical disturbances and hurricanes that in autumn have affected the metropolitan area may also be called coastal though origin of these storms is quite different. The general area has experienced a number of hurricanes in recent years, but very few have unleashed any considerable part of their full fury on the city proper, since they have either moved out to sea or have been weakened by passage inland before reaching New York City. There should be no under-estimating the danger of this type of climatic hazard, and the New York area must be prepared for the occasional occurrence of a hurricane somewhere in the general vicinity.

Finally, Greater New York not only lies in the "prevailing westerlies" of the middle latitudes but is located in a region (covering the northeastern United States) which ranks high compared with most other parts of the country in the frequency of passage of low-pressure systems. These stormy areas of low-pressure sweep across the nation as part of the continual interaction between large air masses with contrasting weather characteristics.

TEMPERATURE: (Refer to Table 1)

New York's normal annual temperature is slightly higher than that of most places in the United States at the same latitude, except Pacific coastal localities. In summer, New York City is sometimes hot, but it does not generally undergo heat waves to the same degree of duration and intensity as are experienced by many interior locations. Autumn is milder than spring and is considered by many New Yorkers as the most pleasant time of the year. New York's climate does contain a small "persistence factor". This means that, once a certain weather regime has established itself for several weeks, there is some likelihood that this regime will last a few months and a chance that it may even affect the subsequent season. For instance, there is a slight tendency for a cool spring in New York City to be followed by a cool summer more frequently than by a warm or hot one; while something similar may be said concerning the relationship between a cool November and the succeeding December-February period. (See graph on Page 24.)

GENERAL SUMMARY

DEGREE DAYS: (Refer to Table 7)

Degree day units were devised by heating engineers and are currently reported by the Weather Bureau to assist in determining heating requirements. As such they are followed (usually from Sept. 1) by fuel suppliers, building superintendents and home-owners interested in anticipating coal and oil demands and in checking fuel bills during the heating season. The degree-day system is a useful measure, correlating quite closely with the heating needs of any particular building during the colder season than is the case during early fall and late spring.

PRECIPITATION: (Refer to Table 15, and graph on page 30)

New York City's moderate and evenly distributed precipitation is an advantage to both industrial and agricultural users, as well as the general public. The difference between the normal precipitation of the wettest month (August with 4.34 inches) and the driest month (October with 3.04 inches) is only 1.30 inches. Any given month of the year exhibits in its precipitation records a sizeable range from low to high totals, with no cyclical behaviour apparent.

From May through September, most of the rainfall comes from showers and thunder showers. These are localized, tending to be "spotty" in the sense that any given set of such showers may affect only portions of the entire metropolitan area. Thunderstorms occur most frequently in the late afternoon and evening, and are usually of brief duration. Rainfall from thunderstorms can be very intense; to such are attributed the record maximum precipitation amounts for short time intervals. (See Table 16 for maximum precipitation by time intervals)

Snow accounts for considerable of the colder season precipitation, with at least one inch occurring on an average of eight days in winter and lesser amounts falling at more frequent intervals. (See Table 18 for Snowfall data)

There is an average of 35 days per year in the New York area when the depth of snow on the ground measures one inch or more. The maximum depth of snow on the ground recorded during the period of record is 25.8 inches.

HUMIDITY: (Refer to discomfort index Table 27)

The shop worn phrase, "It isn't the heat, it's the humidity" reflects a general realization of the importance of atmospheric moisture as related to physical comfort. This saying is somewhat misleading, however, in that many people assume that relative humidity is the best measure of water vapor content in the air. In reality, this quantity means but little by itself since it must always be considered with the simultaneous air temperature reading. For example; a relative humidity reading of 50 percent indicates a very different amount of atmospheric moisture at an air temperature of 10° F than it does at 50 or 90 degrees. Other quantities are more useful than relative humidity as an indication of air moisture content. Two of the more directly useful measures in this regard are dew point temperature and wet bulb temperature. The "discomfort index" is a measure of the simultaneous effect of the temperature of the air and of its moisture content.

SUNSHINE, CLOUDINESS AND FOG:

Over the entire year, New York City receives about 60 percent of the sunshine possible at its latitude. This figure compares favorably with that for any locality east of the Mississippi River, except parts of the Southeast. On the average heavy fog occurs on one or two days per month during the warm season and on two or three days per month during the colder half-year. Measurements of solar radiation are taken at the New York Meteorological Observatory in Central Park. These measurements express the intensity of the sun's rays, as distinguished from ordinary observations of sunshine duration. The significant feature of the Central Park radiation records is the reduction in solar radiation which they reveal when compared with similar records outside the metropolitan area. This reduction, approximately of the order of ten percent, is due to the smoky urban atmosphere and is common to all large population centers. (Refer to solar radiation Tables 39 and 40)

WINDS AND STORMS:

The average wind velocity is comparatively high, making New York a rather windy city. During eight months of the year, except from June through September, northwest is the direction from which the wind blows most frequently. In the summer, the prevailing wind is southerly, while in September it is northerly. Only a few cases of true tornado activity have ever been reported in the metropolitan area indicating that the most dangerous type of local storm has a low probability of occurrence in New York City.

Further information on the climatology of New York City may be obtained at the Weather Bureau Office, 17 Battery Place, New York. The State Climatologists for New Jersey and New York, located respectively at the Trenton, N. J., and the Albany, N. Y., Weather Bureau offices, have additional facts on the climate of those parts of Metropolitan New York situated in, or adjacent to, their particular states.

HISTORIC BACKBROUND OF NEW YORK WEATHER RECORDS

One of the very first references to weather is probably the notation by historians in connection with the inauguration of President George Washington in New York City, April 30, 1789. One history record states that, "The crowd stood hatless in the rain as Washington took the oath of office."

Early day to day recordings of prevailing weather conditions in New York City were made by Samuel J. Warring, an inspector employed by the Atlantic Insurance Company, more than 131 years ago from 1824 to 1835.

The handsome leather bound diary signed by "Captain Warring" was presented to the United States Weather Bureau in June, 1955, after it was uncovered in a dusty vault of the Atlantic Companies, successor to the company which employed the weather-recording Mr. Warring. This diary includes regular entries of temperature, morning, noon, and evening, along with wind and other weather information. Those who have experienced

hot and muggy July weather in New York City will appreciate Mr. Warring's entry of July 11, 1825 - "extraordinarily hot", followed by an equally wilted "ditto" for July 12.

Other early records of temperature and precipitation include those made at Jamaica, dating back to October 1820, and those made at the Fort Columbus Marine Hospital where temperature readings were taken 1822-1839.

On October 25, 1870, soon after the country's weather service was started by the Signal Corps of the United States Army, the New York City Weather Bureau was established at the Board of Underwriters Building, 49 Wall Street. According to an account in the annual report by the Chief Signal Officer to the Secretary of War at the end of the fiscal year June 30, 1870, the weather station was opened by Sergeant C. R. Estabrook with reports beginning on the morning of November 1, 1870. Sergeant C. R. Daw was ordered to New York on November 15, 1870, as assistant and remained until he was succeeded by Sergeant A. W. Eastlake, April 19, 1871.

Through the early years of the organization of the U. S. Weather Bureau, beginning in 1890 and continuing through the following year, the observations were handled under the direction of the Post Surgeon at Fort Columbus in New York City. In the first published list of Weather Bureau stations in the Monthly Weather Review for 1892, the first observer's name to appear was that of E. B. Dunn. E. B. "Farmer" Dunn was in charge of the New York City Office from October 1886 to July 1898, and was well known to both the press and public. James H. Scarr was in charge from October 1909 to February 1936 and during this lengthy period acquired an immense local reputation.

Third of the notable Meteorologists in charge of the Weather Bureau's New York City Office, was Dr. James H. Kimball who served as Mr. Scarr's assistant for many years, and succeeded Mr. Scarr upon the latter's death in February 1936, continuing in charge until his own death in December 1943. Dr. Kimball was a pioneer forecaster of trans-Atlantic weather conditions, having issued forecasts for Lindbergh, Byrd and other aviators during the days when flying the Atlantic Ocean was a hazardous attempt.

Benjamin Parry, who had been in charge of marine work at the New York Weather Bureau Office, succeeded Dr. Kimball. He retired in December 1948 and duties at the office were then taken over by Mr. E. J. Christie, who is now Meteorologist in Charge at the New York City Office.

Central Park Observatory, N. Y. City

On May 5, 1869, upon application to the Board of Commissioners of Central Park, the New York State Legislature authorized that municipal body to erect and maintain a meteorological observatory. This was the official beginning of the New York Meteorological Observatory which since late 1868 had been located in the Arsenal Building, at Fifth Ave. and 63-64th Streets, on the east side of Central Park. Daniel Draper was appointed director and served in that post for forty-three years, gaining international recognition for his development of automatic recording weather instruments. Besides the devices invented by Draper, the observatory was equipped with the usual meteorological instruments. Observations were taken daily from 6 a.m. to 10 p.m. and elaborate Annual reports published. At the request of New York City authorities, the U. S. Weather Bureau took over the meteorological work of the observatory upon Dr. Draper's retirement, July 1, 1911. A complete set of standard instruments was installed to replace the old equipment, and regular weather Bureau personnel have since operated the station.

On January 1, 1920, the observatory was moved to the Belvedere Tower, located one mile north of the Arsenal on the west side of Central Park near the 79th Street Transverse Road. This site is the highest ground in the park, and gives a generally excellent exposure for the instruments with the advantage of a more natural environment.

LaGuardia Airport

LaGuardia Airport is located on the north shore of Long Island in the Borough of Queens, some 6 miles to the east of Manhattan. Waters of Long Island Sound border the airport to the west, north and east. The maximum width of the Sound in this area is two miles and the Atlantic Ocean is located just 13 miles to the south. The airport is surrounded by buildings, most of which are the residential type. Near-by bodies of water include Bowery Bay and portions of the East River, with Flushing Bay bounding the field on the east. The Weather Bureau Airport station was opened October 7, 1939.

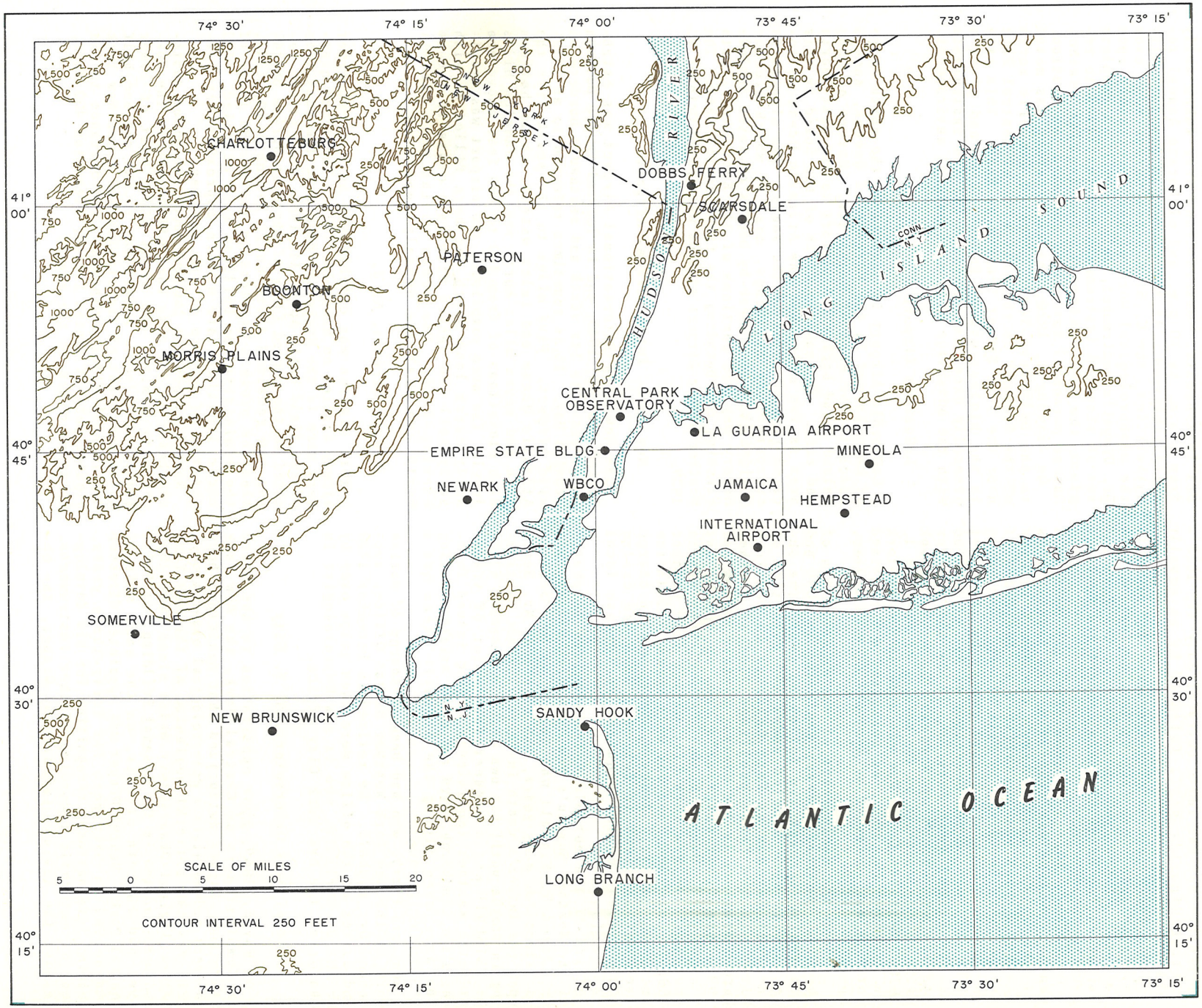
New York International Airport

The New York International Airport was established June 15, 1948, and is located in the Borough of Queens with its south and southwest borders on Jamaica Bay. It is sometimes referred to as Idlewild Airport. Five miles to the south lies the Atlantic Ocean and inlet waters, while between five and seven miles north are the Jamaica Hills with elevations of from 100 to 300 feet above sea level. The area comprising the airport was originally marsh land which has been filled in with sandy soil and seeded with tall grass to reduce blowing sand. The areas to the west through north and east are densely populated.

Newark Airport, N. J.

This station was established as a first-order airway station on March 14, 1929. The first quarters were in the Municipal Hangar on the east side of the field until April 14, 1931, when it was removed to the second floor of the Post Office Building and remained there until December 10, 1941, when the present quarters on the second floor of the Administration Building were occupied. All three locations are within approximately one-quarter of a mile of one another.

Newark Airport is located about two miles south-southeast of the city Post Office within the Newark city limits, and eight miles west of lower Manhattan Island. Newark Bay is one and one-half miles southeast of the station and lower New York Bay is nine miles southeast. The distance to the highest part of Staten Island, elevation 400 feet, is seven miles to the south.



Topographic map showing location of climatological stations.

STATION LOCATION

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude	Longitude	Elevation above (in feet) Sea level: Ground	Sea level: Actual barometer elevation (H_2)	Ground: Wind instruments	Ground: Extreme Thermometers	Ground: Psychrometer	Ground: Telepsychrometer	Ground: Tipping bucket rain gage	Ground: Weighing rain gage	Ground: 8" rain gage			Remarks
Weather Bureau Office New York, N. Y.																	
49 Wall Street	10-25-70	5-29-71		40° 43'N	74° 00'W	---	-----	---	---	---				---			
120 Broadway	5-29-71	3-15-95	2000 Ft.NW	40° 43'N	74° 00'W	35	164	162	148	148				139			
66 Broadway	3-15-95	10-16-98	200 Ft.S	40° 43'N	74° 00'W	35	314	326	298	298			247	247			
100 Broadway	10-16-98	5- 1-11	150 Ft.N	40° 43'N	74° 00'W	37	314	350	108	108		306	305	306			
17 Battery Place	5- 1-11		1/2 Mi.SW	40° 42'N	74° 01'W	10	365	454	414	414		398	398	398			
N. Y. Meteorological Observatory Central Park																	
Arsenal Building, Fifth Avenue between 63rd and 64th Sts., on top floor	about 12-28-68	1 -1-20		40° 46'N	73° 58'W	47	99	81	61	61		64		64			Instruments located on roof of building
Belvedere Tower, in Central Park, near 79th-81st Sts. Transverse Rd.	1- 1-20		1 mi.north	40° 47'N	73° 58'W	132	144	62	6	6		22	22	22			Station also has pyrheliometric equipment and Owens Smoke Recorder
La Guardia Airport																	
3rd floor, Landplane Adminstration Building, LaGuardia Field	10- 7-39			40° 46'N	73° 52'W	19	52	82	42	41		39		39			
N. Y. International Airport, Idlewild																	
Temporary Administration Bld'g. 6 miles South of Jamaica, N.Y. Post Office.	6-15-48	1-14-51		40° 39'N	73° 47'W	16	19	54	17	17				12			
	1-15-51	Present		40° 39'N	73° 47'W	16	30	54	30	30				25			1/15/51 office moved to second floor of same building.
Newark Airport, New Jersey																	
Municipal Hangar, Newark Airport	3-14-29	4-14-31	2.5 mi.SSE	40° 42'N	74° 10'W	11	13	62									WBAS established March 14, 1929. Daily max. & min. temp. record began 8-16-30. Daily Precipitation record began 1-24-31.
Airport Post Office Building, Newark Airport.	4-14-31	12-10-41	1800 Ft.ESE	40° 42'N	74° 10'W	11	30	47	35	34				32			
*Administration Building Newark Airport.	12-10-41	Present	1800 Ft.WNW	40° 42'N	74° 10'W	11	29	50	6	5	6		5 32	3 32			Weighing gage installed 12-1-43. Rain gages moved to roof exposure 6-25-53. Telepsychrometer installed 3-4-54. * Name changed to Airmail & Express Building July 1953.

GENERAL NOTES

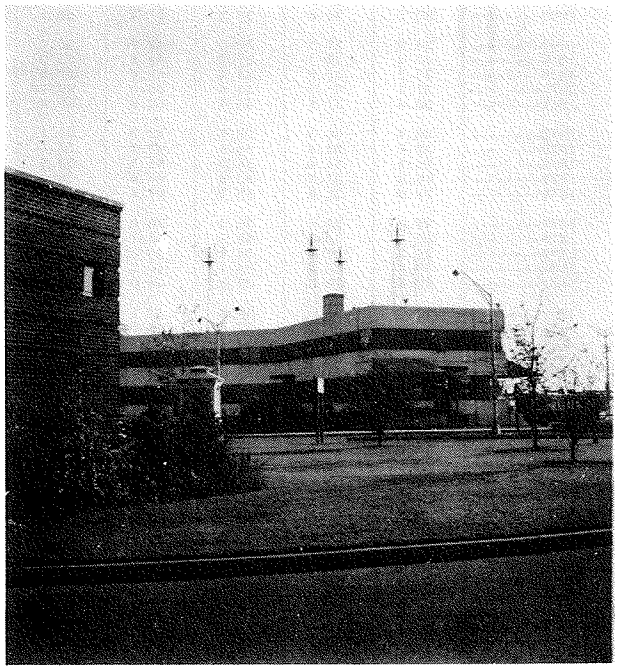
1. The data presented in this publication were for the most part compiled during 1956, and in general include observations for the period of record through 1955.
2. Hours given are in Eastern Standard Time.
3. "Normal" values appearing in this publication are for the 30-year period 1921-1950. They have been adjusted when necessary both to the present station location and this particular period of time.
4. Data in summarized form, from which several of the precipitation tables in this Guide were prepared, combined hail with snow and sleet prior to January 1,1956.

Whitehall Building, 17 Battery Place, New York City-Weather Bureau City Office site.

Belvedere Tower, near 79th-81st Streets,
Transverse Road, N.Y. City-
Central Park Observatory site.

LaGuardia Airport, N.Y. City-
Weather Bureau Airport Station site.

New York International Airport
(Idlewild Airport)



Newark Airport, New Jersey-
Weather Bureau Airport Station site.

TEMPERATURE

Table 1. Monthly and Annual Average Temperatures (°F), New York, City Office.

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1822--------	26.2	29.8	42.1	52.4	63.4	70.6	78.4	74.6	70.9	59.1	48.4	34.5	54.2
1823--------	31.2	25.3	36.4	49.6	59.8	68.9	74.9	73.4	64.1	51.8	38.2	34.7	50.5
1824--------	35.3	31.3	37.6	49.9	58.0	68.3	73.6	70.4	64.1	55.1	42.7	38.5	52.1
1825--------	32.7	32.6	43.7	51.3	62.5	74.6	81.3	74.0	67.4	57.1	43.9	31.7	54.4
1826--------	28.9	31.3	37.7	43.3	64.9	69.8	75.9	75.9	68.8	56.5	43.7	33.1	52.5
1827--------	24.0	31.9	39.3	52.1	59.5	68.6	75.6	74.3	67.1	55.9	39.7	33.2	51.8
1828--------	33.6	41.3	40.7	45.3	60.1	72.2	74.7	76.5	66.8	53.4	44.9	38.7	54.0
1829--------	27.1	25.4	37.9	52.3	63.8	71.1	73.7	75.0	64.1	54.8	43.9	41.3	52.5
1830--------	31.7	31.9	41.1	52.9	60.3	70.4	78.7	77.1	67.1	58.7	51.1	36.9	54.8
1831--------	25.7	26.3	42.0	50.0	61.2	74.1	76.4	76.4	66.9	55.4	43.3	22.2	51.6
1832--------	28.5	32.3	39.0	48.3	56.1	67.1	73.3	73.2	65.4	54.1	44.7	36.4	51.5
1833--------	35.1	30.9	35.9	51.3	60.7	66.1	74.7	70.6	64.8	52.2	41.5	34.6	51.5
1834--------	28.3	37.2	39.6	48.5	56.5	66.7	76.2	71.8	64.2	51.6	41.0	30.7	51.0
1835--------	29.4	27.2	35.6	45.6	58.4	67.1	72.5	69.8	60.7	56.4	43.8	28.4	49.6
1836--------	27.8	21.5	32.2	44.3	58.0	62.3	73.0	67.9	64.0	45.8	38.7	31.2	47.6
1837--------	26.3	29.8	34.9	46.0	55.3	64.5	69.5	68.6	62.2	52.9	44.0	35.6	49.1
1838--------	34.5	23.3	37.8	44.2	56.2	70.4	77.2	77.4	65.4	51.7	40.0	29.1	50.3
1839--------	30.5	31.9	38.6	49.8	57.8	63.4	73.0	70.8	66.7	56.3	39.9	35.6	51.2
1840--------	23.8	34.8	40.3	51.5	58.8	67.0	72.3	73.3	64.0	55.2	43.6	30.3	51.2
1841--------	30.8	28.1	37.4	46.0	56.5	69.1	73.9	73.4	68.6	51.8	44.9	33.8	51.2
1842--------	33.7	38.1	44.6	51.5	58.5	67.2	74.4	72.9	67.1	51.7	39.2	32.1	53.4
1843--------	36.5	25.7	30.3	47.3	59.1	71.2	74.1	74.3	68.0	53.7	40.5	36.1	51.4
1844--------	25.7	29.7	38.8	53.5	63.3	69.2	74.5	72.9	65.8	53.5	43.3	34.0	52.0
1845--------	35.0	31.9	42.1	50.8	60.5	71.3	76.6	76.0	65.5	55.3	45.7	38.3	53.3
1846--------	31.4	27.4	39.3	50.3	60.4	67.4	72.2	73.2	69.7	54.0	48.1	33.9	52.3
1847--------	32.4	31.6	36.0	49.5	59.5	70.8	75.6	72.3	64.7	51.4	46.0	37.9	52.3
1848--------	33.8	31.2	36.1	50.1	61.4	69.1	74.3	73.5	63.4	54.1	39.7	39.3	52.3
1849--------	25.8	24.7	37.8	47.5	55.0	69.5	72.8	72.3	64.3	52.6	48.2	32.1	50.2
1850--------	32.8	33.4	36.2	44.1	54.4	68.6	75.1	71.0	64.3	53.8	45.2	33.2	50.9
1851--------	32.1	33.7	39.7	49.1	58.2	68.4	75.6	74.0	69.7	57.3	42.2	37.4	52.1
1852--------	24.3	30.7	36.7	43.7	60.3	69.7	76.6	73.3	63.8	55.6	46.1	40.4	51.4
1853--------	32.1	32.5	39.6	48.1	60.2	71.2	72.8	73.5	66.4	52.0	44.3	33.1	52.2
1854--------	28.7	28.2	36.2	45.1	59.9	68.5	75.9	72.9	66.4	55.7	43.7	27.5	50.7
1855--------	31.2	23.9	36.0	46.6	58.6	68.1	75.6	70.6	65.6	53.3	44.6	34.7	50.7
1856--------	21.9	23.9	30.8	49.9	57.6	71.1	74.6	71.7	66.7	51.5	42.6	37.6	50.0
1857--------	19.6	34.5	35.3	43.3	58.2	68.7	74.0	72.7	64.8	53.3	42.5	36.9	50.0
1858--------	35.3	24.5	35.0	47.9	56.1	72.3	74.6	71.7	65.4	56.6	40.1	32.9	51.0
1859--------	24.5	33.1	43.9	48.3	61.0	67.3	73.2	72.6	63.8	50.5	45.4	30.0	51.4
1860--------	30.1	29.0	41.1	47.3	59.7	70.1	74.4	73.8	64.1	55.6	46.1	30.8	51.9
1861--------	28.9	35.5	37.5	49.9	56.6	70.2	74.6	72.1	66.9	59.6	43.9	34.8	52.7
1862--------	29.4	30.0	36.9	47.7	61.0	68.3	74.1	74.4	67.9	57.6	44.1	33.8	52.1
1863--------	34.2	31.4	33.6	48.2	61.8	67.2	76.5	76.8	63.3	55.1	46.6	32.8	52.3
1864--------	30.4	32.6	38.3	47.7	63.2	70.0	74.1	76.2	63.8	54.1	46.1	35.9	52.7
1865--------	24.7	30.9	43.3	52.4	61.3	73.9	75.4	72.9	71.1	54.2	45.9	37.2	53.6
1866--------	27.5	31.5	37.5	51.2	58.4	70.2	78.6	69.4	67.5	56.5	46.2	33.2	52.6
1867--------	24.2	37.3	36.3	49.7	56.7	69.5	73.3	73.9	66.6	55.5	44.2	28.5	51.1
1868--------	25.4	22.5	37.2	44.8	55.9	68.1	78.4	75.1	66.5	52.4	43.4	29.4	50.0
1869--------	33.7	35.8	34.9	49.0	57.0	68.6	72.7	71.9	66.0	51.7	39.9	34.7	51.6
1870--------	37.1	31.3	34.6	50.0	60.1	72.0	76.0	75.0	68.2	57.5	45.1	34.7	53.5
1871--------	30.4	31.8	43.6	53.6	60.8	69.1	71.9	73.0	60.8	54.9	39.3	29.7	51.6
1872--------	29.4	30.3	28.9	47.3	61.1	70.6	76.0	75.5	65.2	55.3	40.4	27.4	50.6
1873--------	28.1	28.8	35.6	45.7	56.0	68.8	73.5	71.4	64.9	56.3	37.3	36.3	50.2
1874--------	34.5	31.4	38.0	41.3	58.2	70.0	73.6	70.6	68.1	55.1	42.8	33.8	51.4
1875--------	25.3	23.2	32.6	42.6	58.5	67.5	72.7	71.9	64.4	52.3	38.9	33.0	48.6
1876--------	33.9	31.8	35.2	46.1	58.0	70.7	76.4	72.5	61.8	49.7	44.5	25.1	50.5
1877--------	27.6	35.0	36.6	48.0	59.0	68.8	73.8	74.3	66.2	56.6	45.5	39.3	52.6
1878--------	32.1	34.6	43.8	52.7	58.2	65.8	74.6	72.9	67.0	57.4	43.6	32.4	52.9
1879--------	26.8	27.6	38.4	45.9	60.8	68.8	73.1	70,9	63.2	59.8	43.1	37.3	51.3
1880--------	39.8	36.3	35.7	48.7	64.8	70.7	73.2	70.7	65.7	53.8	39.7	27.7	52.2
1881--------	25.8	29.5	36.9	46.0	60.2	64.2	72.6	73.1	72.2	59.1	46.3	40.7	52.2
1882--------	30.5	35.6	39.8	46.1	53.5	68.2	73.8	71.7	66.9	58.5	41.7	32.2	51.5
1883--------	27.8	31.4	33.6	46.6	59.1	69.5	73.3	70.8	63.1	53.7	45.0	33.7	50.6
1884--------	26.2	35.1	37.5	47.6	58.8	68.7	70.1	71.5	69.6	56.1	43.2	34.6	51.0
1885--------	29.2	23.1	29.7	47.7	56.2	67.3	74.2	70.8	64.1	54.5	44.8	36.0	49.8
1886--------	28.5	28.5	36.9	50.3	58.5	65.6	72.9	71.0	67.1	56.5	45.3	30.8	51.0
1887--------	30.1	33.7	34.3	47.7	62.9	68.2	76.7	71.4	63.1	54.7	43.7	36.1	51.9
1888--------	26.0	31.8	32.9	48.4	59.3	71.8	72.6	74.8	66.2	51.2	46.8	36.0	51.5
1889--------	37.6	28.0	41.5	51.6	62.0	70.4	73.5	71.5	65.8	52.0	46.9	41.4	53.5
1890--------	40.2	40.4	37.5	51.0	60.6	70.4	73.4	72.3	66.8	55.5	45.9	31.4	53.8
1891--------	34.7	37.5	37.8	52.0	59.9	69.6	70.8	73.6	70.1	54.2	43.8	41.8	53.8
1892--------	30.3	33.0	34.6	49.9	59.4	72.0	74.8	73.9	66.0	55.4	42.6	31.3	51.9
1893--------	23.3	29.6	36.2	47.8	59.0	69.4	74.8	74.4	64.4	57.6	44.2	35.1	51.3
1894--------	34.6	29.6	44.5	49.6	60.8	70.6	76.1	72.8	69.3	57.2	42.2	36.8	53.7
1895--------	30.1	25.2	36.4	47.7	59.4	70.0	70.8	73.8	69.7	51.0	46.0	36.9	51.4
1896--------	27.6	30.2	32.1	50.4	63.8	66.5	73.4	73.0	64.8	51.9	48.0	32.1	51.2
1897--------	29.4	32.6	39.2	48.6	59.3	65.2	72.8	71.0	65.4	56.3	44.1	35.8	51.6
1898--------	32.2	33.0	43.7	46.8	56.6	68.9	74.1	74.3	68.9	57.6	44.6	34.4	52.9
1899--------	30.8	26.9	38.4	49.6	61.0	72.2	73.8	73.6	65.2	58.2	45.4	36.4	52.6
1900--------	33.2	31.6	35.0	51.1	60.8	71.4	76.4	76.8	70.8	60.8	48.7	35.2	54.3
1901--------	31.5	25.6	38.6	49.4	58.6	71.4	78.1	75.6	68.4	56.0	39.7	34.4	52.3
1902--------	29.2	28.5	44.0	50.6	60.2	68.2	73.6	71.4	65.9	56.9	50.0	32.2	52.6
1903--------	30.6	34.4	47.5	52.2	64.1	64.0	74.2	69.2	65.4	56.6	41.4	30.1	52.5
1904--------	24.1	25.0	36.4	46.4	63.6	69.2	73.6	72.2	65.9	53.3	41.4	28.2	49.9
1905--------	27.5	24.6	40.0	49.8	60.5	68.8	75.4	72.2	66.8	56.9	43.8	37.7	52.0
1906--------	37.3	31.2	34.9	51.7	61.8	71.5	74.8	75.3	70.2	56.1	44.9	32.7	53.5
1907--------	32.2	24.4	40.8	45.0	55.3	66.2	74.8	72.0	67.8	52.5	45.2	37.8	51.2
1908--------	32.0	28.1	41.4	50.6	61.3	71.6	76.8	72.5	67.8	59.6	44.7	35.2	53.5
1909--------	33.2	37.3	38.3	49.5	60.4	70.5	73.4	71.6	65.6	53.2	47.7	31.4	52.7
1910--------	32.4	31.4	44.7	54.0	60.2	68.0	77.8	72.2	68.4	58.2	41.6	28.0	53.1
1911--------	34.8	31.4	37.6	48.2	63.6	68.3	76.0	71.8	66.6	55.6	41.4	39.2	52.9

TEMPERATURE

Table 1. Monthly and Annual Average Temperatures (°F), New York, City Office - Cont'd.

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1912--------	23.5	28.4	36.8	49.0	60.7	68.4	74.0	70.7	65.9	58.5	46.6	38.5	51.8
1913--------	40.0	30.9	44.0	51.0	60.2	69.2	75.0	72.7	64.6	58.2	46.9	38.8	54.3
1914--------	31.4	25.3	35.8	46.6	63.6	67.6	71.1	73.7	66.2	59.0	44.0	31.5	51.3
1915--------	34.1	35.2	36.4	53.4	57.7	66.6	72.5	70.4	69.0	56.7	45.4	33.5	52.6
1916--------	35.4	27.7	32.2	47.1	59.8	64.2	73.8	73.6	66.0	57.2	44.8	33.8	51.3
1917--------	32.4	27.8	38.7	47.2	53.2	68.3	74.1	74.6	63.0	52.0	41.2	25.0	49.8
1918--------	21.6	29.6	41.2	49.8	64.0	66.4	72.7	74.8	62.8	58.6	45.7	39.0	52.2
1919--------	35.2	34.7	42.0	48.8	61.0	69.7	74.0	70.2	66.5	58.4	44.4	30.0	52.8
1920--------	24.1	29.1	40.6	47.7	57.8	67.6	72.5	72.8	67.4	60.4	44.2	37.8	51.8
1921--------	33.6	34.8	48.3	55.0	60.4	70.3	76.2	70.9	71.0	56.2	45.0	33.8	54.6
1922--------	29.0	34.5	41.3	51.0	63.6	70.6	72.7	71.4	67.4	57.6	45.4	34.3	53.2
1923--------	31.0	27.1	37.0	49.4	59.3	72.0	72.3	71.3	67.0	55.6	45.4	42.0	52.4
1924--------	32.5	29.2	38.7	48.1	56.2	66.8	72.6	72.9	63.0	56.8	44.1	34.0	51.2
1925--------	29.1	38.5	43.6	51.2	58.2	73.2	72.5	71.9	67.5	49.9	43.7	34.5	52.8
1926--------	31.8	29.4	35.1	46.0	58.5	64.8	73.2	72.8	64.8	54.2	44.0	29.2	50.3
1927--------	30.2	36.6	42.6	47.7	58.0	65.8	73.0	67.5	66.8	58.7	48.6	36.6	52.7
1928--------	33.8	32.9	38.3	47.5	58.4	66.6	75.0	74.4	63.8	57.8	46.6	39.4	52.9
1929--------	32.1	33.4	44.8	50.6	60.6	70.0	74.1	71.2	68.8	54.0	46.0	36.1	53.5
1930--------	33.6	37.0	39.8	47.6	62.6	71.8	75.0	72.8	71.2	55.0	45.8	35.0	53.9
1931--------	33.2	34.1	40.5	50.4	60.4	69.4	76.5	74.4	71.2	60.4	51.5	40.6	55.2
1932--------	42.8	36.0	37.0	48.4	60.9	69.0	73.9	74.8	67.7	57.6	43.7	39.0	54.2
1933--------	40.2	33.8	38.0	50.1	62.8	70.8	73.7	73.8	68.8	55.9	41.8	32.9	53.6
1934--------	34.4	19.8	37.2	49.5	62.6	72.4	76.2	70.4	68.2	53.8	48.2	33.4	52.2
1935--------	29.2	31.6	43.2	49.5	58.8	68.6	76.2	73.6	64.2	56.8	48.6	30.6	52.6
1936--------	29.9	26.6	45.3	47.2	62.6	68.6	74.8	74.1	67.1	57.0	42.4	39.2	52.9
1937--------	40.4	34.9	36.6	49.0	63.3	70.6	75.4	75.7	65.2	54.6	45.6	35.4	53.9
1938--------	32.0	35.6	44.2	53.4	59.4	69.0	75.1	76.3	64.9	58.6	47.7	37.2	54.4
1939--------	32.3	37.4	38.8	47.8	63.7	70.8	74.1	76.8	67.4	56.4	43.2	36.2	53.7
1940--------	25.2	33.0	35.0	46.0	59.6	68.4	74.6	70.4	65.8	53.2	44.8	38.9	51.2
1941--------	29.8	31.4	35.7	56.0	63.0	70.2	74.7	72.7	69.0	60.0	49.6	38.2	54.2
1942--------	30.9	29.6	42.9	53.3	64.1	69.8	74.9	72.8	67.5	58.8	46.6	31.6	53.6
1943--------	30.8	34.1	39.6	45.4	61.3	74.4	75.8	74.5	66.2	55.0	44.8	32.6	52.9
1944--------	34.2	32.6	37.0	48.2	65.1	70.4	77.2	75.9	68.3	56.3	46.0	32.4	53.6
1945--------	25.4	34.4	51.0	54.8	58.9	70.6	73.8	72.8	69.7	56.2	47.4	30.9	53.8
1946--------	34.0	31.4	49.6	49.8	61.0	68.5	74.1	70.6	69.8	61.9	50.0	38.2	54.9
1947--------	37.1	28.9	37.4	49.8	59.0	67.4	74.4	75.2	68.4	63.2	44.0	33.8	53.4
1948--------	25.9	31.2	42.0	50.0	59.0	68.6	75.6	74.8	69.3	55.9	52.4	38.8	53.6
1949--------	39.0	38.9	42.4	53.2	62.3	72.6	78.6	76.6	65.7	62.8	46.6	40.2	56.6
1950--------	42.3	32.9	37.0	48.3	58.4	69.4	74.9	72.9	64.7	60.3	47.9	35.0	53.7
1951--------	36.5	36.5	41.5	52.2	62.2	68.7	75.4	73.8	67.4	58.7	43.3	39.0	54.6
1952--------	36.4	36.5	40.1	53.9	59.7	72.7	78.9	74.1	69.1	54.5	48.1	38.4	55.2
1953--------	37.9	37.9	43.3	50.9	62.1	71.6	76.0	75.2	69.1	60.0	49.4	40.7	56.2
1954--------	31.4	40.2	41.2	53.0	59.2	70.3	75.3	71.7	66.9	60.9	45.9	35.8	54.3
1955--------	30.5	34.7	41.1	52.9	63.3	68.6	79.7	77.2	67.7	59.7	43.8	30.3	54.2
1956--------	32.7	36.8	37.9	48.1	57.2	71.2	72.7	73.8	64.5	58.4	46.7	41.2	53.4
Mean Temperature (°F.) - By Decades													
1831-1840---	29.0	29.5	37.6	48.0	57.9	66.9	73.8	72.0	64.4	53.2	42.0	31.4	50.5
1841-1850---	31.8	30.2	37.9	49.1	58.9	69.3	74.4	73.2	66.1	53.2	44.1	35.1	51.9
1851-1860---	28.0	29.4	37.4	46.9	59.0	69.5	74.7	72.7	65.7	54.1	43.8	34.1	51.1
1861-1870---	29.6	31.9	37.0	49.1	59.2	69.8	75.4	73.8	66.8	55.4	44.5	33.5	52.2
1871-1880---	30.8	31.1	36.8	47.2	59.5	69.1	73.9	72.4	64.7	55.1	41.5	32.2	51.2
1881-1890---	30.2	31.7	36.1	48.3	59.1	68.4	73.3	71.9	66.5	55.2	45.0	35.3	51.7
1891-1900---	30.6	30.9	37.8	49.4	60.0	69.6	73.8	73.7	67.5	56.0	45.0	35.6	52.5
1901-1910---	31.0	29.0	40.7	45.0	60.6	68.9	75.2	72.4	67.2	55.9	44.0	32.8	52.3
1911-1920---	31.2	30.0	38.5	48.9	60.2	67.6	73.6	72.5	65.8	57.5	44.5	34.7	52.1
1921-1930---	31.7	33.3	41.0	49.4	59.6	69.2	73.7	71.7	67.1	55.6	45.5	35.5	52.8
1931-1940---	34.0	32.3	39.6	49.1	61.4	69.8	75.0	74.0	67.0	56.4	45.8	36.3	53.4
1941-1950---	32.9	32.5	41.5	50.9	61.2	70.2	75.4	73.9	67.9	59.0	47.5	35.2	54.0
Mean Temperature (°F.) For Period of Record, 135 years													
1822-1956---	31.0	31.3	38.7	49.1	59.9	69.3	73.9	73.1	66.6	55.6	44.6	34.7	52.4
Normal Values, New York, City Office													
1921-1950---	32.9	32.7	40.7	49.8	60.8	69.8	74.6	73.2	67.3	57.0	46.3	35.7	53.4
Highest Monthly and Annual Average Temperatures (°F.)													
Highest-----	42.8	41.3	51.0	56.0	65.1	74.6	81.3	77.4	72.2	63.2	52.4	42.0	56.6
Year--------	1932	1828	1945	1941	1944	1825	1825	1838	1881	1947	1948	1923	1949
Lowest Monthly and Annual Average Temperatures (°F.)													
Lowest------	19.6	19.8	28.9	41.3	53.2	62.3	69.5	67.5	60.7	45.8	37.3	22.2	47.6
Year--------	1857	1934	1872	1874	1917	1836	1837	1927	1835	1836	1873	1831	1836

Data 1822-1870 from records of Fort Columbus, Marine Hospital; 1871-1956, U. S. Weather Bureau City Office.

Temperature record began in 1821: October 53.7°; November 43.4°; December 33.3°.

Long term means were computed and the indicated extremes selected without regard to changes in location during the period of record. Before utilizing these data for exact analysis, the reader should consider indicated location changes carefully.

TEMPERATURE

Table 1. Monthly and Annual Average Temperatures (°F), New York, Central Park.

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1869--------	35.1	34.5	34.8	49.2	57.7	69.3	72.8	71.8	75.6	50.9	40.3	34.7	52.2
1870--------	37.5	31.3	34.1	50.7	60.9	72.9	76.6	75.3	67.6	56.7	45.5	34.1	53.6
1871--------	28.3	30.2	44.2	52.0	60.4	68.2	72.3	73.6	60.8	55.6	38.8	29.2	51.1
1872--------	28.8	29.9	30.5	49.4	61.5	71.2	77.5	75.6	66.4	53.2	41.0	26.7	51.0
1873--------	28.6	29.5	35.7	46.7	58.8	70.3	75.4	72.0	65.4	55.8	37.0	36.5	51.0
1874--------	34.2	31.3	37.1	41.1	58.8	70.1	73.9	70.3	67.0	55.1	43.4	33.8	51.3
1875--------	23.8	25.2	34.1	43.1	60.1	69.2	74.0	72.9	64.0	53.6	39.3	33.9	49.4
1876--------	36.6	31.8	34.4	47.0	60.2	73.5	79.4	75.2	63.7	50.6	45.2	24.9	51.9
1877--------	27.7	37.0	35.8	47.7	59.6	70.2	75.0	75.4	66.9	55.8	44.5	37.4	52.7
1878--------	30.3	32.2	44.1	53.3	59.4	67.7	77.8	74.2	68.3	58.7	43.8	32.8	53.6
1879--------	26.9	28.0	40.0	48.4	63.3	70.2	75.0	72.0	63.3	60.3	43.4	37.3	52.3
1880--------	39.6	37.2	36.5	50.0	67.9	73.1	74.9	72.7	67.1	53.6	38.7	26.5	53.2
1881--------	24.7	28.7	36.7	46.3	62.3	65.2	73.7	73.8	73.4	58.8	45.2	39.4	52.4
1882--------	28.8	35.2	40.4	47.6	56.6	71.8	75.8	73.4	67.1	57.1	39.2	30.6	52.0
1883--------	25.2	30.2	32.7	47.1	61.1	74.0	74.5	70.4	62.6	52.2	43.7	32.0	50.5
1884--------	24.7	34.0	37.7	48.1	59.8	71.3	71.9	73.7	72.0	57.7	44.3	33.6	52.4
1885--------	29.4	22.7	30.6	49.4	59.9	71.0	78.5	72.4	64.4	54.1	44.9	35.7	51.1
1886--------	26.8	27.5	37.6	52.9	60.2	68.0	74.8	70.2	65.3	54.9	44.6	29.6	51.0
1887--------	29.1	32.0	32.3	46.3	63.8	69.6	78.2	70.0	61.8	52.2	41.4	33.8	50.9
1888--------	23.0	29.3	30.0	46.0	58.0	70.9	70.7	72.6	62.8	48.6	45.5	34.7	49.3
1889--------	35.7	27.8	39.7	51.2	63.5	70.5	73.2	70.6	65.2	49.7	44.7	40.0	52.7
1890--------	37.6	37.9	35.6	49.1	60.3	70.1	73.1	72.7	67.1	54.5	43.9	29.9	52.7
1891--------	33.8	36.5	35.8	49.7	57.8	71.4	72.4	75.5	71.6	54.7	44.3	42.3	53.8
1892--------	31.5	33.4	34.2	48.8	59.2	73.5	79.9	74.3	64.7	53.0	43.4	32.2	52.3
1893--------	23.7	29.4	35.5	46.4	58.2	68.1	73.6	73.5	63.3	58.2	42.9	34.5	50.4
1894--------	33.6	28.6	42.8	49.2	60.9	70.4	75.0	70.6	68.8	55.3	41.5	36.8	52.8
1895--------	29.8	24.1	35.4	50.1	62.5	72.9	72.6	75.6	70.9	52.5	47.8	38.1	52.7
1896--------	29.8	31.9	32.6	52.3	67.0	69.8	76.8	76.1	67.3	53.9	49.9	34.2	53.5
1897--------	30.8	33.2	40.8	50.5	61.5	67.5	75.9	73.2	67.0	56.6	46.0	38.3	53.4
1898--------	35.3	35.8	45.6	47.7	58.4	71.2	76.1	75.3	70.3	59.5	45.6	34.6	54.6
1899--------	31.4	27.9	37.9	49.5	62.3	74.1	76.2	75.2	66.1	58.6	46.0	38.2	53.6
1900--------	31.8	30.3	33.4	50.0	59.6	70.5	76.4	76.2	70.5	61.3	49.1	36.3	53.8
1901--------	32.5	26.3	38.4	47.8	57.4	70.6	77.7	75.0	68.2	55.9	39.7	35.7	52.1
1902--------	30.6	29.7	44.4	50.6	58.9	66.8	72.8	71.9	66.7	58.2	51.6	32.5	52.9
1903--------	30.4	33.2	47.8	52.0	62.8	64.2	74.6	69.1	67.0	58.0	42.2	31.5	52.7
1904--------	25.3	25.4	36.4	46.6	63.4	70.2	74.6	73.0	66.8	53.8	42.4	30.3	50.7
1905--------	29.3	24.8	40.4	49.9	61.5	69.9	77.1	74.3	69.6	59.4	44.1	38.9	53.3
1906--------	38.4	32.8	35.6	51.6	63.1	73.6	77.1	77.1	70.1	57.5	45.5	34.2	54.7
1907--------	34.9	25.9	42.5	46.7	56.2	68.6	77.4	73.4	66.9	52.7	46.2	38.8	52.5
1908--------	33.5	27.5	41.4	52.2	63.4	73.0	79.8	75.8	68.6	60.8	46.8	37.6	55.0
1909--------	34.7	37.7	37.8	48.4	61.0	72.1	73.5	72.2	66.8	54.5	49.5	32.4	53.4
1910--------	31.1	30.0	43.0	55.1	61.0	68.7	77.2	72.0	69.4	58.8	42.3	30.0	53.2
1911--------	36.3	31.3	34.7	47.8	64.1	69.8	77.6	72.8	67.6	56.2	42.7	39.4	53.4
1912--------	23.7	28.8	37.6	50.4	62.3	69.7	75.7	71.7	66.6	59.2	47.8	39.3	52.7
1913--------	40.9	31.3	44.8	52.5	60.7	70.5	76.1	73.4	64.6	58.6	47.3	38.7	55.0
1914--------	31.5	25.4	36.5	47.9	64.5	68.9	72.1	74.6	66.9	59.4	44.5	31.6	52.0
1915--------	34.5	35.9	36.8	54.4	59.0	68.0	73.9	71.6	70.0	57.7	46.3	33.5	53.5
1916--------	36.0	27.9	32.4	48.4	61.4	65.7	75.4	74.8	67.4	57.7	45.5	34.0	52.2
1917--------	32.9	28.3	39.3	48.4	54.3	70.3	75.9	76.2	63.6	53.0	41.6	25.0	50.7
1918--------	21.7	30.4	42.1	50.7	65.3	67.8	74.6	76.5	63.9	59.0	46.6	39.4	53.2
1919--------	35.6	34.9	43.3	50.0	62.0	70.9	75.1	71.1	67.6	59.2	45.2	30.2	53.8
1920--------	23.4	28.5	39.9	48.1	58.8	69.2	73.8	74.3	68.5	61.1	44.4	37.3	52.3
1921--------	33.4	34.0	48.4	56.1	61.2	71.2	77.3	71.6	72.1	56.3	44.7	32.5	54.9
1922--------	28.2	33.6	41.0	51.5	64.6	71.8	73.7	72.4	68.2	58.2	45.7	33.6	53.5
1923--------	30.0	26.2	36.8	50.3	60.0	73.4	73.8	72.6	68.3	56.0	45.2	42.0	52.9
1924--------	32.7	28.9	39.2	49.1	57.3	67.8	74.1	74.3	64.1	57.1	44.4	34.0	51.9
1925--------	28.4	37.9	44.2	51.8	59.6	74.3	73.6	73.3	68.8	50.6	43.9	34.8	53.4
1926--------	32.0	29.2	35.7	47.3	60.1	66.8	75.1	74.0	65.7	55.1	44.9	28.9	51.2
1927--------	30.9	36.4	43.0	48.6	59.0	67.3	74.0	68.5	67.9	59.6	49.2	36.7	53.4
1928--------	34.0	33.0	38.8	48.4	59.4	67.4	75.9	75.4	64.7	58.9	47.4	39.3	53.6
1929--------	31.9	32.9	45.1	51.0	61.7	71.5	75.9	73.1	69.4	54.6	46.2	35.8	54.1
1930--------	33.3	37.0	40.3	48.4	63.7	73.5	76.4	73.6	72.0	55.6	45.5	34.6	54.5
1931--------	32.8	33.9	40.3	51.1	61.5	70.7	77.5	75.2	72.3	61.3	51.9	41.0	55.8
1932--------	43.2	36.1	37.3	49.0	62.0	70.5	76.1	76.7	69.5	58.5	43.9	39.1	55.2
1933--------	40.3	34.1	38.4	50.4	64.4	72.4	75.8	74.9	69.6	56.1	41.8	32.7	54.2
1934--------	34.7	19.9	37.3	50.3	63.7	73.8	77.7	72.0	69.2	54.5	48.9	33.4	53.0
1935--------	28.9	31.2	43.4	49.8	59.9	70.1	77.2	74.7	65.3	57.5	48.6	30.0	53.0
1936--------	29.3	25.7	45.2	47.9	64.4	69.8	76.2	75.4	68.2	57.6	42.7	38.6	53.4
1937--------	40.2	34.8	36.5	49.6	64.2	71.8	76.6	76.6	66.0	55.4	46.4	35.4	54.5
1938--------	32.1	35.4	44.2	53.7	60.8	70.3	76.6	78.2	66.0	59.8	48.3	37.0	55.2
1939--------	32.2	37.0	39.2	48.3	64.9	73.0	76.6	78.1	68.6	57.3	43.7	36.9	54.7
1940--------	25.0	32.9	35.1	46.8	60.7	70.4	76.2	71.4	66.6	53.8	45.3	38.4	51.9
1941--------	29.4	31.1	35.9	56.9	64.8	71.9	75.8	74.0	70.0	60.7	50.0	38.3	54.9
1942--------	30.7	29.7	43.0	53.8	65.3	71.0	76.3	73.6	68.3	58.8	47.0	31.1	54.1
1943--------	30.8	34.6	40.2	46.1	62.6	76.2	76.9	75.9	67.4	55.7	45.4	33.0	53.7
1944--------	33.9	33.2	37.6	48.9	67.0	72.3	79.4	77.8	70.1	57.1	46.0	32.4	54.6
1945--------	25.1	33.9	51.1	55.6	59.2	70.9	74.6	73.4	70.3	56.2	47.6	31.0	54.1
1946--------	34.1	31.7	49.8	50.4	61.9	69.7	75.4	70.9	69.8	61.7	50.5	37.9	55.3
1947--------	37.2	29.3	37.8	50.5	59.9	68.4	75.5	76.0	68.6	63.7	44.2	34.0	53.8
1948--------	25.4	30.7	42.1	51.0	60.2	69.4	77.2	74.9	70.3	56.7	52.4	38.3	54.1
1949--------	38.6	38.6	42.9	53.8	63.1	74.3	79.6	76.7	66.2	63.1	46.3	39.4	56.9
1950--------	41.4	31.6	36.4	48.5	58.8	70.3	75.0	73.1	64.6	60.0	48.4	35.0	53.6
1951--------	36.5	36.2	41.5	53.0	63.3	69.8	76.8	74.5	68.2	58.6	43.5	38.6	55.0
1952--------	36.2	36.2	40.2	55.0	60.7	73.6	80.3	74.9	69.9	55.7	48.6	38.4	55.2
1953--------	37.6	38.4	43.4	52.3	63.4	73.6	77.8	75.8	70.4	60.7	49.7	41.3	57.0
1954--------	30.8	40.1	41.6	53.8	59.8	71.6	76.7	72.8	67.4	61.7	46.4	35.9	54.9
1955--------	31.0	35.0	41.7	53.5	65.4	68.9	80.9	78.1	67.8	59.8	44.3	29.7	54.7
1956--------	32.0	36.6	37.4	48.2	58.7	71.4	72.9	74.2	64.8	58.1	46.7	40.9	53.5

TEMPERATURE

Table 1. Monthly and Annual Average Temperatures (°F), New York, Central Park - Cont'd.

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
Mean Temperature (°F.) - By Decades													
1871-1880---	30.5	31.2	37.2	47.9	61.0	70.4	75.5	73.4	65.3	55.2	41.5	31.9	51.8
1881-1890---	28.5	30.5	35.3	48.4	60.6	70.2	74.4	72.0	66.2	54.0	43.7	33.9	51.5
1891-1900---	31.2	31.1	37.4	49.4	60.7	70.9	75.5	74.6	68.0	56.4	45.6	36.6	53.1
1901-1910---	32.1	29.3	40.8	50.1	60.9	69.8	76.2	73.4	68.0	57.0	45.0	34.2	53.0
1911-1920---	31.6	30.3	38.7	49.9	61.2	69.1	75.0	73.7	66.7	58.1	45.2	34.8	52.9
1921-1930---	31.5	32.9	41.2	50.2	60.7	70.5	75.0	72.9	68.1	56.2	45.7	35.2	53.3
1931-1940---	33.9	32.1	39.7	49.7	62.6	71.3	76.7	75.3	68.1	57.2	46.2	36.2	54.1
1941-1950---	32.7	32.4	41.7	51.6	62.3	71.4	76.6	74.6	68.6	59.4	47.8	35.0	54.5
Mean Temperature (°F.) for Period of Record, 88 years													
1869-1956---	31.8	31.7	39.0	49.9	61.2	70.5	75.7	73.8	67.5	56.8	45.1	34.9	53.2
Normal Values, New York, Central Park													
1921-1950---	32.7	32.5	40.9	50.5	61.9	71.1	76.1	74.3	68.3	57.6	46.6	35.9	54.0
Highest Monthly and Annual Average Temperatures (°F.)													
Highest-----	43.2	40.1	51.1	56.9	67.9	76.2	80.9	78.2	75.6	63.7	52.4	42.3	57.0
Year--------	1932	1954	1945	1941	1880	1943	1955	1938	1869	1947	1948	1891	1953
Lowest Monthly and Annual Average Temperatures (°F.)													
Lowest------	21.7	19.9	30.0	41.1	54.3	64.2	70.7	68.5	60.8	48.6	37.0	24.9	49.3
Year--------	1918	1934	1888	1874	1917	1903	1888	1927	1871	1888	1873	1876	1888

Long term means were computed and the indicated extremes selected without regard to changes in location during the period of record. Before utilizing these data for exact analysis the reader should consider indicated location changes carefully.

TEMPERATURE

Table 1. Monthly and Annual Average Temperatures (°F) - Cont'd.

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
New York, LaGuardia Airport													
1941--------	30.8	31.0	35.6	55.5	63.5	71.3	75.7	74.7	70.4	61.7	50.1	39.5	55.0
1942--------	31.5	29.8	43.4	53.8	65.4	70.9	76.3	73.9	68.7	59.0	47.5	31.9	54.3
1943--------	31.0	34.8	40.3	46.7	62.5	76.4	76.4	76.1	67.6	56.4	45.8	34.3	54.0
1944--------	34.8	33.5	37.5	48.5	65.8	71.9	78.4	77.5	69.6	56.9	46.0	33.0	54.5
1945--------	25.5	33.9	49.8	55.4	59.1	71.1	75.2	74.0	70.3	56.5	47.2	30.8	54.1
1946--------	33.6	31.2	48.5	50.0	61.4	69.9	75.4	71.4	70.2	61.9	50.8	38.5	55.2
1947--------	37.0	29.5	38.3	49.9	59.3	68.2	75.7	75.7	68.9	63.3	44.7	34.2	53.7
1948--------	25.9	30.7	41.2	50.2	59.4	69.5	77.2	74.9	70.0	56.4	52.4	38.4	53.9
1949--------	38.6	38.9	42.3	53.1	62.6	73.5	79.4	76.6	66.1	62.9	46.4	39.7	56.7
1950--------	41.2	32.4	36.6	48.1	58.4	70.4	75.0	73.2	65.9	60.2	48.5	35.6	53.8
1951--------	36.8	36.6	42.3	53.6	62.9	70.0	76.6	75.1	68.6	59.3	44.0	39.0	55.4
1952--------	36.7	36.5	40.5	54.8	60.8	74.1	80.4	75.4	70.1	55.8	48.9	39.0	56.2
1953--------	38.0	38.8	43.4	52.3	63.4	73.6	77.6	76.1	70.3	60.7	50.2	41.7	57.2
1954--------	31.5	40.2	42.1	53.9	60.3	71.7	76.8	73.5	68.3	62.3	46.9	36.5	55.3
1955--------	31.4	35.2	42.1	53.3	65.2	70.0	80.9	78.7	68.7	61.2	45.0	30.6	55.2
1956--------	32.8	37.1	38.0	48.4	58.9	72.4	74.2	75.0	65.8	58.6	47.6	41.6	54.2
Mean Temperature (°F.) - By Decades													
1941-1950---	33.0	32.6	41.4	51.1	61.7	71.3	76.5	74.8	68.8	59.5	47.9	35.6	54.5
Mean Temperature (°F.) for Period of Record, 16 years													
1941-1956---	33.6	34.4	42.0	51.7	61.9	71.6	77.0	75.2	68.7	59.2	47.6	36.5	54.9
Normal Values, Laguardia Airport (adjusted to present location)													
1921-1950	33.0	32.6	40.5	50.1	61.3	71.0	75.9	74.4	68.4	57.6	46.8	35.7	53.9
Highest Monthly and Annual Average Temperatures (°F.)													
Highest-----	41.2	40.2	49.8	55.5	65.8	76.4	80.9	78.7	70.4	63.3	52.4	41.7	57.2
Year--------	1950	1954	1945	1941	1944	1943	1955	1955	1941	1947	1948	1953	1953
Lowest Monthly and Annual Average Temperatures (°F.)													
Lowest------	25.5	29.5	35.6	46.7	58.4	68.2	74.2	71.4	65.8	55.8	44.0	30.6	53.7
Year--------	1945	1947	1941	1943	1950	1947	1956	1946	1956	1952	1951	1955	1947
Newark Airport, N.J.													
1931--------	31.7	33.4	40.5	50.0	59.8	69.7	76.5	73.5	71.0	58.6	50.0	39.0	54.4
1932--------	42.0	35.2	36.6	48.2	60.8	69.4	74.8	74.4	67.1	56.5	41.8	36.8	53.6
1933--------	38.8	32.8	37.8	49.7	63.0	71.3	73.8	73.2	68.0	54.0	40.4	31.0	52.8
1934--------	33.4	18.6	36.6	49.4	62.7	72.4	76.4	70.2	67.9	52.4	47.8	32.4	51.7
1935--------	27.8	30.1	42.9	49.5	59.0	69.2	76.3	73.0	63.6	55.4	48.3	29.3	52.0
1936--------	27.7	24.4	44.4	47.4	63.5	69.2	74.9	74.2	66.6	55.8	41.4	38.0	52.3
1937--------	39.0	34.2	36.0	49.4	63.2	70.8	75.4	75.8	64.0	53.6	44.4	34.1	53.3
1938--------	31.0	35.0	43.6	53.2	59.7	69.4	75.5	76.6	63.8	57.4	46.4	35.7	53.9
1939--------	31.4	36.4	39.2	47.8	64.0	72.1	74.8	76.5	66.8	55.5	42.0	35.1	53.5
1940--------	23.7	32.2	34.4	45.8	59.9	68.4	74.3	70.0	64.0	51.8	43.6	37.1	50.4
1941--------	29.0	30.6	35.4	56.2	63.0	70.6	75.0	71.9	68.0	58.8	47.4	36.9	53.6
1942--------	29.2	29.4	42.5	53.0	64.8	70.4	75.7	72.6	66.6	56.8	45.0	30.0	53.0
1943--------	29.8	32.3	38.8	45.9	61.9	75.4	75.8	74.5	65.7	53.6	43.2	31.2	52.3
1944--------	32.6	32.0	36.7	48.2	65.6	71.4	77.8	76.2	68.2	54.5	44.3	30.6	53.2
1945--------	24.0	32.9	50.6	55.2	58.8	70.8	74.1	72.4	69.6	54.2	46.0	29.0	53.1
1946--------	32.4	31.0	48.8	50.2	61.4	69.4	75.0	70.8	69.2	60.0	49.2	37.0	54.5
1947--------	36.5	28.2	37.6	50.2	59.9	67.8	75.5	75.6	67.6	61.0	43.2	32.9	53.0
1948--------	24.4	29.3	41.8	50.3	60.0	69.4	76.7	74.7	68.4	55.0	50.8	35.8	53.0
1949--------	37.6	38.2	42.5	53.2	62.4	73.6	79.6	76.2	65.0	61.6	44.2	38.3	56.0
1950--------	40.3	31.5	36.2	48.4	58.7	70.5	75.2	72.8	64.1	58.5	47.0	33.5	53.1
1951--------	35.4	35.5	41.7	52.6	62.8	69.6	76.1	74.2	67.1	57.9	42.1	37.2	54.4
1952--------	35.8	35.7	39.9	53.9	60.1	73.4	79.2	74.1	68.2	53.2	46.5	37.1	54.8
1953--------	36.6	37.5	42.9	51.4	62.8	72.7	77.2	74.8	69.0	58.8	47.3	39.2	55.9
1954--------	29.7	39.5	41.3	53.1	59.6	71.1	76.2	72.3	66.9	60.4	44.8	35.2	54.2
1955--------	30.7	34.2	41.4	53.3	64.7	68.9	80.5	77.7	67.1	58.8	43.5	29.3	54.2
1956--------	32.0	36.0	36.9	47.8	58.9	71.9	73.1	73.7	64.0	57.2	46.1	39.9	53.1
Mean Temperature (°F.) - By Decades													
1931-1940---	32.7	31.2	39.2	49.0	61.6	70.2	75.3	73.7	66.3	55.1	44.6	34.9	52.8
1941-1950---	31.6	31.5	41.1	51.1	61.7	70.9	76.0	73.8	67.2	57.4	46.0	33.5	53.5
Mean Temperature (°F.) For Period of Record, 26 years													
1931-1956---	32.4	32.6	40.3	50.5	61.6	70.7	76.0	73.9	66.8	56.6	45.2	34.7	53.4
Normal Values, Newark Airport, N. J. (adjusted to present location)													
1921-1950---	31.5	31.7	40.5	50.0	61.1	70.5	75.3	73.1	66.8	55.6	44.9	34.0	52.9
Highest Monthly and Annual Average Temperatures (°F.)													
Highest-----	42.0	39.5	50.6	56.2	65.6	75.4	80.5	77.7	71.0	61.6	50.8	39.9	56.0
Year--------	1932	1954	1945	1941	1944	1943	1955	1955	1931	1949	1948	1956	1949
Lowest Monthly and Annual Average Temperatures (°F.)													
Lowest------	23.7	18.6	34.4	45.8	58.7	67.8	73.1	70.0	63.6	51.8	40.4	29.0	50.4
Year--------	1940	1934	1940	1940	1950	1947	1956	1940	1935	1940	1933	1945	1940

Long term means were computed and the indicated extremes selected without regard to changes in location during the period of record. Before utilizing these data for exact analysis the reader should consider indicated location changes carefully.

TEMPERATURE

Table 2. Highest Temperature of Record for Each Day of Year With Year of Occurrence.

New York, City Office (1871-1955)

	Jan.	Year	Feb.	Year	Mar.	Year	Apr.	Year	May	Year	June	Year	July	Year	Aug.	Year	Sept.	Year	Oct.	Year	Nov.	Year	Dec.	Year
1--------	60	1919	61	1916	63	1895	79	1917	83	1944	95	1895	98	1901	98	1917	93	1953	88	1950	81	1950	67	1927
2--------	65	1890	53	1933	67	1882	76	1918	87	1913	94	1895	99	1901	98	1955	99	1953	87	1927	80	1950	60	1912
3--------	60	1950	54	1891	63	1923	74	1945	88	1913	94	1895	99	1898	93	1938	94	1929	85	1919	73	1936	61	1932
4--------	66	1950	56	1890	69	1880	79	1892	83	1944	95	1925	98	1919	96	1944	94	1929	85	1941	73	1914	64	1873
5--------	62	1950	69	1890	70	1880	77	1928	87	1955	96	1925	96	1919	95	1944	91	1884	90	1941	72	1935	62	1916
6--------	64	1950	61	1884	69	1894	76	1947	92	1949	97	1899	93	1908	95	1955	98	1881	89	1941	71	1948	63	1951
7--------	62	1907	57	1890	71	1946	86	1929	88	1939	94	1925	92	1934	102	1918	100	1881	83	1946	75	1938	66	1951
8--------	64	1930	63	1933	65	1942	85	1929	87	1936	92	1933	98	1876	94	1018	92	1881	82	1931	73	1945	63	1927
9--------	65	1930	59	1949	65	1921	72	1929	91	1896	96	1933	102	1936	98	1949	92	1872	84	1916	72	1895	61	1946
10--------	58	1935	60	1898	72	1879	82	1922	91	1896	88	1889	100	1936	99	1949	94	1894	88	1949	70	1931	69	1946
11--------	58	1933	63	1887	66	1955	80	*1955	89	1896	90	1920	96	1936	98	1949	95	1931	85	1949	74	1949	61	1899
12--------	67	1890	55	1932	71	1890	75	1947	93	1881	90	1933	93	1908	95	1900	93	1895	85	1954	74	1909	66	1931
13--------	67	1932	62	1951	66	1929	81	1890	86	1900	91	1892	97	1876	96	1881	93	1952	85	1954	73	1879	64	1923
14--------	68	1932	61	1946	72	1946	85	1941	88	1900	91	1892	94	1954	93	1944	89	1931	82	1920	67	1951	66	1881
15--------	66	1932	71	1949	65	1945	83	1941	89	1900	95	1891	94	1900	94	1947	90	1927	81	1879	70	1879	60	1918
16--------	57	1924	68	1954	76	1945	85	1896	87	1951	93	1891	94	1887	96	1888	89	1930	88	1879	70	1928	63	1893
17--------	59	1913	61	1891	80	1945	83	1896	86	1880	92	1891	96	1953	93	1944	88	1915	87	1938	70	1896	58	1928
18--------	56	1913	69	1890	72	1927	90	1896	87	1903	93	1929	96	1953	91	1913	87	1891	82	1908	71	1928	62	1937
19--------	62	1929	60	1939	74	1918	81	1896	90	1877	92	1929	96	1930	95	1914	89	1946	79	*1945	71	1921	58	1931
20--------	63	1951	67	1939	81	1945	88	1927	91	1903	96	1893	94	1894	95	1955	89	1882	77	1953	74	1934	61	1877
21--------	61	1913	69	1930	80	1921	83	1923	88	1934	94	1953	99	1930	93	1955	97	1895	83	1947	72	1900	62	1923
22--------	61	1906	63	1925	75	1929	84	1886	91	1941	94	1941	97	1926	94	1916	96	1895	80	1920	70	1931	62	1949
23--------	63	1906	69	1874	75	1907	83	1886	92	1925	96	1888	96	1955	90	1916	95	1895	85	1947	72	1931	68	1891
24--------	58	1894	63	1930	70	1939	83	1886	86	1936	93	1888	94	1910	92	1947	86	1881	77	1900	66	1931	58	1941
25--------	57	1947	73	1930	77	1910	88	1915	94	1880	97	1952	94	1892	93	1893	87	1881	73	1873	63	1946	65	1889
26--------	71	1950	69	1890	72	1922	81	1872	92	1880	97	1952	96	1892	101	1948	90	1881	74	1947	67	1887	63	1889
27--------	67	1916	65	1880	76	1908	91	1915	92	1880	94	1943	99	1940	99	1948	86	1933	76	1947	71	1896	62	1949
28--------	65	1916	62	1903	81	1945	85	1938	87	1939	94	1901	96	1894	99	1948	87	1881	81	1919	67	1896	60	1954
29--------	54	1876	64	1880	84	1945	84	1888	91	1919	97	1934	98	*1949	97	1953	85	1945	75	1946	63	1905	57	1940
30--------	61	1947			78	1910	87	1942	89	1931	97	1901	95	1917	96	1953	84	1905	79	1946	69	1933	57	1898
31--------	62	1916			72	1945			95	1895			100	1933	97	1953			80	1946			61	1932
Extreme--	71		73		84		91		95		97		102		102		100		90		81		69	
Date-----	26	1950	25	1930	29	1945	27	1915	31	1895	6	1899	9	1936	7	1918	7	1881	5	1941	1	1950	10	1946

Newark Airport, N. J. (1931-1955)

	Jan.	Year	Feb.	Year	Mar.	Year	Apr.	Year	May	Year	June	Year	July	Year	Aug.	Year	Sept.	Year	Oct.	Year	Nov.	Year	Dec.	Year
1--------	58	1945	47	1952	61	1955	74	1945	83	1936	94	1937	98	1945	99	1955	96	1953	85	1950	85	1950	66	1934
2--------	58	1942	55	1933	59	1933	78	1946	82	1951	91	1936	97	1941	100	1955	105	1953	86	1954	84	1950	59	1942
3--------	60	1950	49	1938	61	1945	74	1945	86	1942	94	1943	100	1949	96	1936	94	1953	85	1950	76	1936	64	1932
4--------	67	1950	50	1947	70	1946	82	1950	86	1944	97	1943	105	1949	100	1944	92	1937	85	1941	72	1946	60	1941
5--------	62	1950	49	1952	63	1949	74	1948	94	1949	92	1953	101	1955	102	1944	90	1944	93	1941	75	1938	60	1951
6--------	61	1950	59	1938	69	1935	80	1947	93	1949	94	1953	94	1934	95	1955	88	1943	90	1941	80	1948	65	1951
7--------	62	1946	54	1933	75	1946	84	1942	91	1939	93	1950	96	1934	96	1931	92	1945	88	1944	78	1938	67	1932
8--------	60	1949	62	1933	69	1942	78	1954	92	1943	94	1933	98	1944	97	1949	94	1939	85	1931	75	1945	64	1951
9--------	66	1937	60	1949	64	1955	72	1945	92	1936	99	1933	104	1936	100	1949	90	1948	86	1949	72	1945	59	1946
10--------	54	1935	57	1955	72	1955	82	1955	87	1948	91	1950	103	1936	102	1949	95	1931	92	1949	72	1931	72	1946
11--------	59	1933	57	1955	67	1955	84	1955	91	1953	90	1945	98	1936	102	1949	96	1931	88	1949	75	1949	58	1946
12--------	56	1933	59	1940	59	1935	80	1947	91	1948	94	1949	97	1944	98	1944	90	1952	88	1954	74	1938	68	1931
13--------	70	1932	65	1951	70	1946	84	1945	90	1947	94	1943	97	1954	100	1944	94	1952	89	1954	74	1931	63	1946
14--------	70	1932	65	1946	78	1946	88	1941	84	1940	96	1945	102	1954	98	1944	92	1931	80	1954	72	1955	56	1931
15--------	67	1932	76	1949	65	1945	87	1941	88	1951	99	1945	96	1952	99	1947	91	1942	77	1940	68	1951	52	1936
16--------	57	1953	74	1954	81	1945	80	1941	92	1951	95	1945	96	1953	99	1944	91	1941	81	1947	68	1950	53	1947
17--------	57	1933	55	1946	80	1945	83	1941	87	1943	98	1952	99	1954	95	1944	90	1941	90	1938	71	1953	53	1939
18--------	55	1951	59	1938	72	1934	78	1952	90	1936	97	1945	99	1953	89	1937	90	1948	79	1945	72	1953	64	1937
19--------	64	1951	60	1949	73	1945	80	1952	87	1949	94	1943	98	1942	92	1947	89	1946	82	1945	69	1953	60	1931
20--------	62	1951	70	1939	85	1945	91	1941	88	1939	97	1953	95	1952	97	1955	88	1946	80	1947	75	1948	53	1936
21--------	55	1951	69	1953	76	1938	82	1936	93	1934	100	1953	98	1934	97	1955	90	1940	84	1947	73	1931	56	1951
22--------	56	1932	61	1943	80	1938	83	1954	95	1941	97	1943	100	1955	93	1955	93	1931	78	1936	72	1931	64	1949
23--------	62	1933	59	1943	82	1938	79	1952	88	1941	91	1955	100	1955	90	1939	91	1941	87	1947	74	1931	63	1949
24--------	58	1953	63	1943	71	1939	81	1942	92	1936	96	1950	97	1944	95	1947	86	1937	78	1946	69	1931	60	1941
25--------	59	1947	60	1951	66	1945	87	1939	88	1946	100	1943	94	1949	96	1948	87	1945	74	1931	65	1946	61	1940
26--------	74	1950	61	1951	73	1943	82	1942	90	1932	102	1952	99	1940	103	1948	83	1934	78	1947	67	1946	64	1936
27--------	62	1944	61	1951	78	1949	86	1935	90	1933	98	1950	98	1940	99	1948	89	1933	80	1947	64	1946	63	1949
28--------	61	1947	58	1955	87	1945	89	1938	91	1939	96	1943	101	1949	102	1948	85	1954	75	1947	63	1935	62	1954
29--------	54	1950	45	1952	89	1945	86	1951	93	1931	97	1948	100	1949	100	1953	89	1945	78	1946	61	1934	57	1954
30--------	64	1947			75	1945	91	1942	93	1942	98	1945	101	1949	100	1953	85	1954	82	1946	70	1933	56	1948
31--------	64	1947			76	1945			95	1939			103	1954	102	1953			82	1946			62	1932
Extreme--	74		76		89		91		95		102		105		103		105		93		85		72	
Date-----	26	1950	15	1949	29	1945	30	1942	22	1941	26	1952	4	1949	26	1948	2	1953	5	1941	1	1950	10	1946

* Also in previous years

TEMPERATURE

Table 3. Lowest Temperature of Record for Each Day of Year With Year of Occurrence.

New York, City Office (1871-1955)

	Jan.	Year	Feb.	Year	Mar.	Year	Apr.	Year	May	Year	June	Year	July	Year	Aug.	Year	Sept.	Year	Oct.	Year	Nov.	Year	Dec.	Year
1--------	-5	1918	-3	1920	5	1884	12	1923	34	1880	45	1945	55	1943	57	1895	51	1872	38	1947	32	1913	9	1875
2--------	1	1918	1	1881	9	1891	22	1919	38	1917	45	1907	58	1888	58	1924	52	1892	39	1899	31	1875	12	1875
3--------	-3	1879	0	1935	9	1950	24	1954	36	1882	44	1929	55	1933	55	1875	51	1893	37	1899	28	1875	12	1940
4--------	-3	1918	-1	1918	7	1943	21	1874	38	1875	48	1926	57	1933	56	*1915	48	1872	38	1888	28	1951	10	1906
5--------	-4	1904	-7	1918	3	1872	20	1874	38	1891	49	1945	56	1927	56	1929	53	1924	34	1881	26	1879	11	1926
6--------	-3	1896	-3	1895	6	1872	23	1943	38	1891	47	1945	57	1882	58	1934	48	1924	35	1881	30	1953	11	1871
7--------	3	1896	2	1910	6	1890	24	1943	39	1891	47	1879	54	1914	59	1893	50	1924	38	1954	30	1930	11	1906
8--------	4	1896	-7	1934	10	1883	28	1880	36	1947	47	1932	58	1894	56	1903	52	1917	38	1876	29	1886	10	1906
9--------	4	1875	-14	1934	13	1929	25	1917	34	1947	47	1913	58	1918	59	1919	50	1914	37	1876	30	1923	8	1902
10--------	-6	1875	-6	1899	12	1929	27	1917	38	1947	49	1881	55	1895	55	1879	47	1883	35	1925	28	1914	-2	1876
11--------	1	1893	-6	1899	15	1933	24	1909	36	1913	49	1878	58	1917	58	1933	43	1917	34	1925	26	1933	9	1904
12--------	2	1873	-2	1914	11	1888	22	1874	37	1907	52	1878	58	1895	56	1889	49	1917	35	1876	26	1926	10	1934
13--------	-5	1914	-1	1914	5	1888	25	1940	38	1895	53	1953	55	1888	55	1941	50	1911	33	1875	22	1873	12	1872
14--------	-5	1914	1	1916	13	1888	25	1950	41	1939	49	1875	58	1926	56	1919	47	1913	37	1934	22	1905	12	1898
15--------	6	1927	-8	1943	15	1932	28	1943	43	1880	47	1933	56	1930	58	1921	45	1895	31	1876	19	1933	6	1874
16--------	1	1912	1	1904	14	1916	28	1928	42	1873	50	1884	55	1926	55	1880	50	1935	32	1876	17	1933	5	1876
17--------	5	1893	-6	1896	9	1916	28	1875	39	1891	52	1914	56	1892	55	1881	48	1887	35	1886	18	1924	2	1919
18--------	1	1904	2	1896	7	1916	25	1875	41	1882	49	1950	58	1925	55	1881	44	1875	33	1939	18	1936	0	1919
19--------	-3	1875	2	1936	9	1876	21	1875	41	1882	52	1920	58	1881	56	*1924	44	1929	30	1940	18	1936	2	1884
20--------	4	1901	6	1950	9	1885	24	1897	43	1892	48	1914	56	1890	56	*1949	46	1875	31	1952	20	1873	-3	1942
21--------	5	1879	5	1950	7	1885	26	1875	41	1907	50	1940	57	1890	55	1922	40	1871	33	1952	17	1879	-1	1942
22--------	2	1888	7	1918	11	1885	33	1940	43	1895	52	1940	55	1873	53	1923	40	1904	31	1940	14	1880	2	1872
23--------	-2	1936	5	1873	11	1934	30	1930	43	1931	47	1918	58	1871	53	*1923	41	1947	35	1889	16	1880	4	1883
24--------	-1	1882	-4	1873	13	1896	29	1930	42	1877	52	1932	56	1893	51	1890	43	1875	34	1884	17	1880	5	1896
25--------	0	1945	1	1914	13	1878	27	1919	40	1925	50	1873	58	1920	52	1940	41	1887	32	1879	18	1938	5	1872
26--------	0	1905	6	1928	20	1873	29	1919	44	1930	55	1884	55	1920	53	1940	42	1947	31	*1936	16	1932	4	1914
27--------	-1	1927	4	1900	20	1894	34	1932	41	1915	54	1940	56	1920	51	1885	41	1947	27	1936	12	1932	6	1872
28--------	-1	1925	7	1934	12	1923	34	1934	44	1907	53	1888	58	1884	53	1885	42	1914	31	1914	16	1930	8	1933
29--------	0	1873	2	1884	10	1923	32	1874	41	1902	52	1919	58	1914	55	1888	43	1914	31	1925	15	1872	-6	1917
30--------	2	1873			16	1887	30	1875	42	1884	55	1919	57	1884	52	1934	39	1912	31	1928	7	1875	-13	1917
31--------	-3	1920			13	1923			45	1930			55	1895	53	1912			29	1917			-7	1917
Extreme--	-6		-14		3		12		34		44		54		51		39		27		7		-13	
Date-----	10	1875	9	1934	5	1872	1	1923	9	1947	3	1929	7	1914	27	1885	30	1912	27	1936	30	1875	30	1917

Newark Airport, N. J. (1931-1955)

	Jan.	Year	Feb.	Year	Mar.	Year	Apr.	Year	May	Year	June	Year	July	Year	Aug.	Year	Sept.	Year	Oct.	Year	Nov.	Year	Dec.	Year
1--------	13	1940	1	1935	13	1938	29	1950	38	1943	41	1938	52	1943	58	1936	50	1934	38	1947	31	1954	12	1936
2--------	13	1945	8	1936	12	1950	30	1954	35	1943	48	1946	53	1940	58	1953	51	1934	40	1938	33	1934	16	1946
3--------	12	1945	1	1955	9	1950	24	1954	39	1941	45	1946	52	1933	57	1953	53	1949	37	1945	29	1951	13	1940
4--------	14	1935	8	1955	6	1943	23	1954	37	1941	49	1945	51	1933	58	1945	55	1946	33	1945	26	1951	9	1940
5--------	11	1935	5	1947	9	1948	30	1954	41	1945	48	1947	55	1940	57	1951	53	1950	36	1945	27	1933	15	1935
6--------	10	1942	5	1935	19	1944	25	1943	40	1931	43	1945	55	1940	54	1934	48	1938	36	1943	29	1953	17	1954
7--------	10	1942	5	1935	18	1950	24	1943	42	1954	48	1945	57	1940	57	1948	51	1949	38	1954	28	1931	16	1954
8--------	5	1942	-7	1934	17	1943	31	1936	35	1947	44	1932	56	1948	56	1950	51	1944	32	1935	29	1931	14	1934
9--------	3	1942	-14	1934	13	1943	30	1950	33	1947	51	1955	60	1948	58	1944	48	1938	37	1935	29	1933	12	1934
10--------	5	1942	-4	1934	13	1932	29	1950	34	1947	51	1946	58	1953	58	1936	44	1938	37	1935	30	1939	12	1933
11--------	2	1942	8	1936	15	1939	29	1938	40	1937	50	1932	58	1934	57	1954	47	1932	37	1943	25	1933	11	1934
12--------	10	1942	10	1936	13	1934	27	1940	40	1938	47	1951	52	1945	54	1954	38	1931	35	1943	29	1937	12	1934
13--------	11	1954	8	1934	18	1948	26	1940	41	1934	51	1950	57	1940	55	1950	40	1940	36	1934	30	1950	14	1933
14--------	9	1954	2	1943	17	1932	26	1950	36	1939	49	1933	55	1940	50	1941	46	1953	32	1932	25	1942	15	1937
15--------	8	1948	-7	1943	15	1932	25	1943	40	1939	48	1933	55	1940	57	1933	50	1946	32	1937	18	1933	14	1943
16--------	14	1946	0	1943	18	1932	26	1943	40	1937	52	1946	57	1946	57	1945	50	1934	31	1944	15	1933	10	1942
17--------	8	1954	8	1934	16	1941	34	1932	40	1939	52	1950	56	1946	57	1945	44	1950	29	1937	18	1933	6	1951
18--------	5	1954	5	1936	15	1941	35	1948	43	1955	49	1950	58	1946	57	1954	42	1937	35	1939	19	1936	13	1953
19--------	3	1948	1	1936	16	1949	44	1936	45	1944	53	1954	61	1939	55	1943	44	1943	30	1948	19	1936	9	1942
20--------	5	1946	5	1936	15	1949	34	1953	44	1945	53	1940	60	1951	52	1949	48	1941	31	1952	23	1951	-1	1942
21--------	10	1940	6	1950	24	1932	34	1953	42	1950	46	1940	58	1951	53	1949	40	1937	31	1952	24	1951	0	1942
22--------	10	1943	11	1946	17	1934	32	1947	44	1931	48	1940	56	1944	54	1950	47	1947	30	1940	22	1949	8	1942
23--------	-4	1936	10	1934	13	1934	32	1933	43	1931	51	1941	55	1939	55	1952	40	1947	31	1944	21	1932	10	1945
24--------	2	1936	6	1934	16	1940	37	1933	44	1931	49	1932	55	1947	52	1940	40	1950	36	1944	22	1945	8	1943
25--------	-1	1935	10	1934	18	1940	34	1936	43	1935	53	1932	57	1932	48	1940	39	1950	33	1939	19	1938	12	1948
26--------	4	1945	13	1950	22	1947	34	1934	45	1949	56	1940	57	1953	53	1944	40	1940	31	1952	15	1938	8	1948
27--------	3	1935	7	1934	24	1955	33	1933	46	1949	52	1940	61	1946	52	1940	35	1947	27	1936	12	1932	3	1948
28--------	-4	1935	1	1934	28	1937	33	1934	46	1949	54	1940	57	1936	51	1941	38	1947	25	1936	16	1932	0	1933
29--------	7	1934	22	1936	26	1943	35	1947	40	1936	56	1938	59	1937	53	1941	40	1942	30	1940	15	1955	-2	1933
30--------	3	1935			27	1941	34	1931	39	1949	55	1940	61	1936	49	1934	38	1942	31	1952	17	1936	-8	1933
31--------	1	1948			25	1941			44	1938			56	1932	47	1934			34	1936			13	1935
Extreme--	-4		-14		6		23		33		41		51		47		35		25		12		-8	
Date-----	23	*1936	9	1934	4	1943	4	1954	9	1947	1	1938	4	1933	31	1934	27	1947	28	1936	27	1932	30	1933

* Also in previous years

TEMPERATURE

Table 4. Distribution* of the Monthly Average Maximum, Average Minimum and Average Temperature (°F).

Month \ %	Average					Maximum					Minimum				
	95	75	50	25	5	95	75	50	25	5	95	75	50	25	5
New York, City Office															
January	39.5	35.6	32.9	30.2	26.3	46.5	42.6	39.9	37.2	33.3	32.4	28.5	25.8	23.1	19.2
February	39.8	35.6	32.7	29.8	25.6	47.2	43.0	40.1	37.2	33.0	32.4	28.2	25.3	22.4	18.2
March	46.8	43.2	40.7	38.2	34.6	54.6	51.0	48.5	46.0	42.4	38.9	35.3	32.8	30.3	26.7
April	54.7	51.8	49.8	47.8	44.9	62.8	59.9	57.9	55.9	53.0	46.6	43.7	41.7	39.7	36.8
May	64.6	62.3	60.8	59.3	57.0	72.8	70.5	69.0	67.5	65.2	56.3	54.0	52.5	51.0	48.7
June	73.1	71.1	69.8	68.5	66.5	81.0	79.0	77.7	76.4	74.4	65.1	63.1	61.8	60.5	58.5
July	77.6	75.8	74.6	73.4	71.6	85.3	83.5	82.3	81.1	79.3	69.9	68.1	66.9	65.7	63.9
August	76.3	74.5	73.2	71.9	70.1	83.5	81.7	80.4	79.1	77.3	69.1	67.3	66.0	64.7	62.9
September	70.9	68.8	67.3	65.8	63.7	78.1	76.0	74.5	73.0	70.9	63.7	61.6	60.1	58.6	56.5
October	61.1	58.7	57.0	55.3	52.9	68.6	66.2	64.5	62.8	60.4	53.6	51.2	49.5	47.8	45.4
November	51.2	48.3	46.3	44.3	41.4	57.9	55.0	53.0	51.0	48.1	44.4	41.5	39.5	37.5	34.6
December	41.8	38.2	35.7	33.2	29.6	48.5	44.9	42.4	39.9	36.3	35.0	31.4	28.9	26.4	22.8
New York, Central Park															
January	39.3	35.4	32.7	30.0	26.1	45.8	41.9	39.2	36.5	32.6	32.7	28.8	26.1	23.4	19.5
February	39.6	35.4	32.5	29.6	25.4	46.5	42.3	39.4	36.5	32.3	32.6	28.4	25.5	22.6	18.4
March	47.0	43.4	40.9	38.4	34.8	54.6	51.0	48.5	46.0	42.4	39.3	35.7	33.2	30.7	27.1
April	55.4	52.5	50.5	48.5	45.6	63.7	60.8	58.8	56.8	53.9	47.0	44.1	42.1	40.1	37.2
May	65.7	63.4	61.9	60.4	58.1	74.7	72.4	70.9	69.4	67.1	56.6	54.3	52.8	51.3	49.0
June	74.4	72.4	71.1	69.8	67.8	83.3	81.3	80.0	78.7	76.7	65.5	63.5	62.2	60.9	58.9
July	79.1	77.3	76.1	74.9	73.1	87.7	85.9	84.7	83.5	81.7	70.4	68.6	67.4	66.2	64.4
August	77.4	75.6	74.3	73.0	71.2	85.7	83.9	82.6	81.3	79.5	69.1	67.3	66.0	64.7	62.9
September	71.9	69.8	68.3	66.8	64.7	80.2	78.1	76.6	75.1	73.0	63.5	61.4	59.9	58.4	56.3
October	61.7	58.3	57.6	55.9	53.5	69.7	67.3	65.6	63.9	61.5	53.6	51.2	49.5	47.8	45.4
November	51.5	48.6	46.6	44.6	41.7	58.0	55.1	53.1	51.1	48.2	44.9	42.0	40.0	38.0	35.1
December	42.0	38.4	35.9	33.4	29.8	48.2	44.6	42.1	39.6	36.0	35.7	32.1	29.6	27.1	23.5
New York, LaGuardia Airport															
January	39.6	35.7	33.0	30.3	26.4	45.7	41.8	39.1	36.4	32.5	33.4	29.5	26.8	24.1	20.2
February	39.7	35.5	32.6	29.7	25.5	46.3	42.1	39.2	36.3	32.1	33.1	28.9	26.0	23.1	18.9
March	46.6	43.0	40.5	38.0	34.4	54.3	50.7	48.2	45.7	42.1	38.9	35.3	32.8	30.3	26.7
April	55.0	52.1	50.1	48.1	45.2	63.3	60.4	58.4	56.4	53.5	46.6	43.7	41.7	39.7	36.8
May	65.1	62.8	61.3	59.8	57.5	73.8	71.5	70.0	68.5	66.2	56.3	54.0	52.5	51.0	48.7
June	74.3	72.3	71.0	69.7	67.7	82.9	80.9	79.6	78.3	76.3	65.6	63.6	62.3	61.0	59.0
July	78.9	77.1	75.9	74.7	72.9	87.0	85.2	84.0	82.8	81.0	70.8	69.0	67.8	66.6	64.8
August	77.5	75.7	74.4	73.1	71.3	84.9	83.1	81.8	80.5	78.7	70.0	68.2	66.9	65.6	63.8
September	72.0	69.9	68.4	66.9	64.8	79.2	77.1	75.6	74.1	72.0	64.7	62.6	61.1	59.6	57.5
October	61.7	59.3	57.6	55.9	53.5	69.1	66.7	65.0	63.3	60.9	54.3	51.9	50.2	48.5	46.1
November	51.7	48.8	46.8	44.8	41.9	57.9	55.0	53.0	51.0	48.1	45.4	42.5	40.5	38.5	35.6
December	41.8	38.2	35.7	33.2	29.6	47.7	44.1	41.6	39.1	35.5	35.8	32.2	29.7	27.2	23.6
Newark Airport, N. J.															
January	38.1	34.2	31.5	28.8	24.9	45.6	41.7	39.0	36.3	32.4	30.6	26.7	24.0	21.3	17.4
February	38.8	34.6	31.7	28.8	24.6	46.6	42.4	39.5	36.6	32.4	31.0	26.8	23.9	21.0	16.8
March	46.6	43.0	40.5	38.0	34.4	55.3	51.7	49.2	46.7	43.1	37.9	34.3	31.8	29.3	25.7
April	54.9	52.0	50.0	48.0	45.1	64.4	61.5	59.5	57.5	54.6	45.3	42.4	40.4	38.4	35.5
May	64.9	62.6	61.1	59.6	57.3	75.1	72.8	71.3	69.8	67.5	54.7	52.4	50.9	49.4	47.1
June	73.8	71.8	70.5	69.2	67.2	83.8	81.8	80.5	79.2	77.2	63.7	61.7	60.4	59.1	57.1
July	78.3	76.5	75.3	74.1	72.3	87.9	86.1	84.9	83.7	81.9	68.6	66.8	65.6	64.4	62.6
August	76.2	74.4	73.1	71.8	70.0	85.7	83.9	82.6	81.3	79.5	66.7	64.9	63.6	62.3	60.5
September	70.4	68.3	66.8	65.3	63.2	80.1	78.0	76.5	75.0	72.9	60.7	58.6	57.1	55.6	53.5
October	59.7	57.3	55.6	53.9	51.5	69.5	67.1	65.4	63.7	61.3	49.9	47.5	45.8	44.1	41.7
November	49.8	46.9	44.9	42.9	40.0	58.1	55.2	53.2	51.2	48.3	41.5	38.6	36.6	34.6	31.7
December	40.1	36.5	34.0	31.5	27.9	47.5	43.9	41.4	38.9	35.3	32.7	29.1	26.6	24.1	20.5

Computed to the nearest tenth of a degree by statistical methods from 30-year normal monthly values (1921-1950, inclusive).

* Percentage frequency of monthly averages shown; for example, the average maximum temperature for the month of July at the New York City Office of less than 83.5° occurred in 75% of the years.

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TEMPERATURE

Table 5. Mean and Distribution of Dry-Bulb Temperature (°F).

Month	Mean				Frequency of Occurrence of Dry-Bulb Temperatures Higher than Values Shown *																				
					Midnight Frequency in %					7 am Frequency in %					Noon Frequency in %					7 pm Frequency in %				
	Mid-night	7am	noon	7 pm	95	75	50	25	5	95	75	50	25	5	95	75	50	25	5	95	75	50	25	5
New York, City Office (June 1950 - May 1956)																									
January-----	33	32	35	36	19	28	32	39	48	16	25	31	38	43	22	30	35	40	50	22	31	35	42	50
February----	36	33	39	39	18	31	37	41	48	16	28	34	40	48	22	34	39	44	55	22	33	39	44	52
March-------	39	37	42	43	26	35	39	43	52	24	32	36	41	51	29	36	42	47	56	30	37	42	48	57
April-------	50	47	54	53	39	43	49	54	64	35	42	47	52	60	42	48	53	60	71	41	47	52	58	70
May---------	58	56	64	63	48	52	57	62	70	46	51	55	60	66	51	58	64	69	78	50	56	62	68	76
June--------	66	65	75	73	57	62	67	71	77	56	61	64	69	75	61	69	75	81	86	59	66	72	80	87
July--------	73	71	81	79	66	70	72	76	83	64	68	71	74	78	70	76	80	85	92	69	75	79	83	90
August------	71	69	78	75	63	68	70	74	80	62	66	69	72	77	68	73	77	81	90	69	72	75	78	87
September---	65	62	71	69	56	61	65	69	75	52	58	62	67	75	60	65	71	75	81	59	64	69	73	81
October-----	56	54	62	61	45	51	57	62	70	42	48	54	60	67	48	56	61	67	76	48	56	61	66	76
November----	45	43	49	48	32	38	44	51	59	30	37	42	51	57	35	43	48	55	63	34	41	47	54	63
December----	35	34	39	38	18	29	36	41	56	16	27	34	40	52	22	32	38	44	55	21	32	38	44	56
					1 am Frequency in %					7 am Frequency in %					1 pm Frequency in %					7 pm Frequency in %				
	1 am	7 am	1 pm	7 pm	95	75	50	25	5	95	75	50	25	5	95	75	50	25	5	95	75	50	25	5
New York, LaGuardia Airport (Jan. 1950 - Dec. 1955)																									
January-----	34	33	38	37	19	29	35	40	50	17	26	33	40	49	23	32	38	45	55	21	32	36	42	50
February----	34	33	40	38	17	30	35	39	47	15	29	35	39	49	20	35	40	46	58	19	33	38	43	50
March-------	38	37	45	42	25	34	38	43	50	23	32	37	42	52	31	38	45	52	62	30	37	42	47	55
April-------	49	48	57	53	37	45	48	53	62	36	45	48	53	60	45	50	57	64	75	41	47	53	57	66
May---------	57	58	67	62	48	52	56	61	66	48	53	58	62	69	51	59	67	72	80	51	57	62	67	75
June--------	66	68	77	72	57	62	66	70	77	59	63	67	73	78	61	71	78	84	90	60	66	72	79	85
July--------	73	74	84	78	65	70	72	75	81	67	70	74	77	82	71	80	84	88	94	70	74	77	82	89
August------	71	72	81	75	64	68	71	74	79	64	68	71	75	80	70	76	80	85	94	68	71	75	78	87
September---	65	64	73	68	55	60	65	69	77	53	59	65	68	76	63	68	74	78	85	59	65	69	72	79
October-----	57	55	65	61	45	51	57	62	70	43	50	55	60	69	52	60	65	71	81	48	56	60	65	73
November----	45	44	51	48	33	39	45	51	59	30	38	42	50	57	36	45	50	57	68	35	42	47	55	62
December----	36	34	40	38	19	28	35	42	52	18	28	35	41	47	23	34	40	47	58	21	32	38	44	54
Newark Airport, N. J. (Jan. 1950 - Dec. 1955)																									
January-----	33	31	39	36	16	27	33	38	50	13	25	30	38	50	24	33	38	44	56	20	30	35	41	50
February----	33	31	41	37	17	28	33	39	45	13	26	32	37	46	22	35	40	47	58	19	32	37	42	50
March-------	37	36	46	42	23	32	37	41	49	22	31	36	41	50	31	39	45	50	63	30	36	41	46	56
April-------	48	48	58	54	35	43	47	52	61	35	44	48	51	60	45	49	56	64	77	41	47	52	57	69
May---------	56	56	68	63	46	51	56	60	66	49	53	58	61	68	52	61	69	74	82	51	57	62	68	76
June--------	65	67	78	73	55	60	65	69	76	59	63	67	72	78	62	71	78	85	93	60	66	72	79	86
July--------	71	73	85	79	64	67	71	74	79	66	70	73	76	81	73	80	85	89	95	70	74	78	83	91
August------	69	70	81	75	61	66	69	73	77	63	66	69	73	79	70	77	80	85	94	68	71	75	78	89
September---	62	62	74	68	51	57	62	67	73	51	57	61	66	75	61	68	74	79	86	58	63	68	72	79
October-----	53	52	65	59	40	47	53	59	67	39	46	51	57	67	50	60	65	71	82	47	54	59	64	72
November----	42	40	48	46	30	35	41	47	58	28	33	40	45	55	36	44	50	57	69	33	40	44	52	60
December----	33	32	34	35	17	27	33	39	52	15	25	32	37	49	23	34	39	46	58	20	30	36	40	50

* Dry-bulb temperature was higher than shown for the percentage of time given. For example, at New York LaGuardia Airport, the Mean Temperature at 1 a.m. in July was 73° and at this hour a temperature of more than 65° occurred 95% of the time.

Hours given are in Eastern Standard Time.

Table 6. Mean Hourly Temperature (°F), 1951-1956.

Month	AM 1	2	3	4	5	6	7	8	9	10	11	Noon	PM 1	2	3	4	5	6	7	8	9	10	11	Mid-night
New York, LaGuardia Airport																								
January----	33	33	32	32	32	32	32	32	33	34	35	36	37	38	38	37	37	36	35	35	34	34	34	33
February---	35	35	34	34	34	34	34	35	36	37	39	40	41	42	42	42	40	39	39	38	37	37	36	35
March------	39	38	38	37	37	37	37	38	40	41	43	44	45	46	46	46	45	44	43	42	41	40	40	39
April------	49	48	48	47	47	47	48	50	52	54	55	57	57	58	58	57	56	54	53	52	51	51	50	49
May--------	56	55	55	54	54	55	57	59	61	62	64	65	66	66	65	65	64	63	61	60	59	58	58	57
June-------	67	66	65	65	65	66	68	71	72	74	76	77	78	78	78	77	76	75	73	71	70	69	69	68
July-------	73	73	72	71	71	72	74	76	78	80	82	83	84	84	84	83	81	80	79	77	76	75	75	74
August-----	72	71	70	70	70	70	72	73	75	77	79	80	81	81	81	80	79	77	76	75	74	73	73	72
September--	65	64	64	63	63	63	64	66	68	70	72	73	74	74	74	73	71	70	69	68	67	67	66	65
October----	56	56	55	55	54	54	55	57	59	61	63	64	65	66	65	64	62	61	60	60	59	58	57	57
November---	45	44	44	44	43	43	43	45	46	48	49	50	51	51	51	50	49	48	47	47	46	46	45	45
December---	37	36	36	36	36	36	36	36	37	39	40	41	42	42	42	41	40	40	39	38	38	37	37	37
Newark Airport, N. J.																								
January----	31	31	31	30	30	30	30	30	32	33	35	36	37	38	38	37	36	35	34	34	33	32	32	32
February---	33	33	33	32	32	32	32	33	35	37	39	40	41	42	42	42	41	39	38	37	36	35	35	34
March------	37	37	36	36	36	36	36	38	40	41	43	44	45	46	47	46	45	44	42	41	40	39	39	38
April------	48	47	47	46	46	46	48	50	52	54	56	57	58	58	58	57	56	55	53	52	51	50	49	49
May--------	56	55	54	54	54	55	57	60	62	64	66	67	68	69	68	68	67	65	63	61	60	59	58	57
June-------	65	65	64	63	63	65	68	71	73	75	76	77	78	78	78	77	76	75	73	71	70	69	67	66
July-------	71	70	69	69	69	70	73	76	78	80	82	83	84	84	84	83	82	81	78	76	75	74	72	71
August-----	69	69	68	67	67	68	70	72	75	78	79	80	81	81	81	80	79	77	75	74	73	72	71	70
September--	62	61	61	60	60	60	62	65	68	70	72	73	74	74	74	73	72	69	68	67	65	64	64	63
October----	53	52	52	51	51	51	52	55	58	60	62	64	65	66	65	64	62	60	59	57	56	55	54	54
November---	42	41	41	41	40	40	40	42	45	47	49	50	51	51	51	51	49	48	47	46	45	43	43	43
December---	34	33	33	33	33	33	33	34	35	37	39	40	41	42	41	40	39	38	37	36	36	35	35	35

Hours given are in Eastern Standard Time.

Table 7. Total Heating Degree Days, Base 65°F., New York, City Office

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	Apr.	May	June	Total
1899-1900-----	0	0	56	227	590	888	988	935	928	417	174	4	5207
1900-1901-----	0	0	18	162	488	925	1038	1104	818	468	210	20	5251
1901-1902-----	0	0	40	281	760	948	1111	1022	652	442	188	11	5455
1902-1903-----	0	0	45	252	449	1018	1066	856	542	397	108	66	4799
1903-1904-----	0	16	78	268	706	1081	1267	1160	886	556	98	38	6154
1904-1905-----	0	2	58	367	710	1139	1164	1132	777	457	161	32	5999
1905-1906-----	0	4	48	274	636	847	858	945	932	399	155	6	5104
1906-1907-----	0	0	15	278	603	1000	1014	1136	752	602	308	90	5798
1907-1908-----	0	0	47	390	593	840	1023	1070	732	436	180	2	5313
1908-1909-----	0	12	18	192	609	923	987	776	826	465	178	26	5012
1909-1910-----	0	5	46	367	519	1040	1010	942	630	332	168	63	5122
1910-1911-----	0	0	17	244	702	1148	938	941	852	505	114	16	5477
1911-1912-----	0	13	53	290	706	800	1286	1061	872	482	164	38	5765
1912-1913-----	0	12	81	219	551	822	773	954	652	424	186	29	4703
1913-1914-----	0	0	84	220	543	812	1042	1112	904	552	124	32	5425
1914-1915-----	10	0	96	208	630	1039	958	833	888	366	229	36	5293
1915-1916-----	0	15	64	267	589	978	918	1082	1018	537	178	76	5722
1916-1917-----	2	2	61	258	607	968	1008	1040	816	534	368	18	5680
1917-1918-----	6	0	95	404	714	1239	1343	988	735	454	88	49	6115
1918-1919-----	4	0	111	206	579	806	927	849	712	484	177	18	4873
1919-1920-----	0	7	42	230	622	1085	1267	1045	761	516	227	48	5850
1920-1921-----	3	0	28	166	626	844	970	847	517	305	184	7	4497
1921-1922-----	0	3	2	273	603	968	1117	853	735	424	91	3	5072
1922-1923-----	1	2	39	285	586	950	1057	1059	870	474	191	11	5525
1923-1924-----	6	5	39	291	588	715	1007	1042	814	507	274	53	5341
1924-1925-----	1	1	99	257	624	961	1111	740	663	415	227	2	5101
1925-1926-----	0	7	56	468	639	945	1023	995	928	572	209	69	5911
1926-1927-----	1	6	64	350	630	1107	1076	795	695	528	221	51	5524
1927-1928-----	2	19	34	230	494	879	970	931	826	524	207	40	5156
1928-1929-----	0	0	107	253	553	793	1020	887	629	447	195	36	4920
1929-1930-----	2	0	54	339	571	898	971	780	779	518	154	7	5073
1930-1931-----	0	6	12	317	576	929	982	869	758	434	201	24	5108
1931-1932-----	0	0	22	180	404	756	687	840	864	499	162	29	4443
1932-1933-----	0	0	48	244	637	804	770	872	836	445	119	33	4808
1933-1934-----	6	1	31	288	698	994	953	1266	858	463	122	6	5686
1934-1935-----	0	13	16	350	505	979	1108	935	674	475	220	20	5306
1935-1936-----	0	1	67	255	494	1067	1087	1110	609	539	135	10	5374
1936-1937-----	0	0	46	261	681	795	759	845	882	479	104	5	4857
1937-1938-----	0	6	91	328	581	916	1022	822	645	372	178	21	4982
1938-1939-----	0	0	53	218	525	863	1013	774	811	513	135	6	4911
1939-1940-----	0	1	24	293	654	887	1239	930	933	571	179	31	5742
1940-1941-----	2	26	64	371	602	810	1089	941	908	291	121	33	5258
1941-1942-----	1	3	26	208	464	834	1056	993	684	363	82	24	4738
1942-1943-----	0	2	53	202	555	1034	1058	864	791	589	162	11	5321
1943-1944-----	1	0	65	317	607	1008	957	936	872	509	93	27	5392
1944-1945-----	0	0	35	283	570	1010	1228	857	453	311	204	76	5027
1945-1946-----	0	10	33	276	530	1057	963	940	475	457	154	48	4943
1946-1947-----	0	6	19	142	449	832	865	1006	851	453	216	34	4873
1947-1948-----	0	0	105	105	631	963	1211	980	714	449	209	16	5383
1948-1949-----	0	0	20	289	380	816	807	731	701	356	141	9	4250
1949-1950-----	0	0	53	123	552	767	697	893	860	494	204	26	4669
1950-1951-----	0	0	87	174	519	924	877	790	721	378	121	29	4620
1951-1952-----	0	0	44	212	640	798	880	821	766	334	176	10	4681
1952-1953-----	0	1	13	325	501	821	832	755	665	417	116	17	4463
1953-1954-----	0	0	39	168	458	746	1036	688	729	360	198	9	4431
1954-1955-----	0	0	44	213	589	898	1064	841	733	362	100	41	4865
1955-1956-----	0	0	30	182	627	1069	995	814	836	506	261	20	5340
Mean 1899-1955	1	4	50	260	583	926	1015	930	768	455	173	28	5187

Refer to Table 8 for corresponding 30-year Normal Values.

Table 7. Total Heating Degree Days, Base 65°F. - Cont'd.

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	Apr.	May	June	Total
New York, Central Park													
1935-1936-----	0	3	59	238	493	1086	1109	1138	614	518	104	9	5371
1936-1937-----	0	1	46	250	675	821	768	845	888	464	87	1	4846
1937-1938-----	0	8	77	297	555	907	1028	830	648	382	168	17	4917
1938-1939-----	0	0	61	186	509	871	998	780	812	510	130	1	4558
1939-1940-----	0	0	23	268	641	859	1257	928	942	559	164	33	5674
1940-1941-----	4	25	60	362	591	814	1104	936	908	287	102	29	5222
1941-1942-----	2	1	27	202	456	819	1062	993	681	348	62	22	4675
1942-1943-----	0	54	52	203	544	1052	1068	849	770	567	161	8	5328
1943-1944-----	2	1	52	300	591	994	969	921	847	487	65	13	5242
1944-1945-----	6	0	28	265	572	1010	1232	868	437	295	203	78	4994
1945-1946-----	0	11	41	287	530	1051	958	938	455	437	133	40	4881
1946-1947-----	0	3	17	146	433	845	868	1003	842	441	204	35	4837
1947-1948-----	0	0	90	101	629	964	1229	996	708	416	195	19	5347
1948-1949-----	0	0	18	283	384	827	821	737	712	342	122	3	4249
1949-1950-----	0	0	52	122	558	792	723	930	881	489	189	20	4756
1950-1951-----	0	0	92	179	507	929	877	802	720	356	104	27	4593
1951-1952-----	0	0	41	216	634	811	886	827	761	310	149	14	4649
1952-1953-----	0	0	10	294	485	817	843	735	661	378	105	13	4341
1953-1954-----	0	0	27	158	452	725	1055	691	721	339	190	7	4365
1954-1955-----	0	0	41	197	548	892	1048	834	717	345	69	32	4723
1955-1956-----	0	0	32	174	615	1085	1012	818	848	504	216	17	5321
Mean 1935-1956-----	1	5	45	225	543	903	996	876	742	418	139	21	4899
New York, LaGuardia Airport													
1940-1941-----	2	28	58	367	586	827	1061	953	908	301	114	28	5233
1941-1942-----	3	0	17	162	436	789	1010	976	656	320	58	22	4449
1942-1943-----	0	0	40	186	526	989	1053	844	750	543	133	5	5069
1943-1944-----	0	0	48	271	569	945	922	911	860	486	71	51	5134
1944-1945-----	0	0	40	272	574	993	1216	874	482	295	194	73	5013
1945-1946-----	0	8	32	257	527	1019	968	949	515	453	135	36	4899
1946-1947-----	0	3	18	147	427	829	867	995	830	441	212	34	4803
1947-1948-----	0	0	98	108	768	954	1211	995	750	442	198	13	5537
1948-1949-----	0	0	20	273	373	823	819	739	704	365	130	7	4253
1949-1950-----	0	0	50	123	555	1228	730	904	870	501	201	20	5182
1950-1951-----	0	0	87	180	500	905	862	789	698	339	108	21	4489
1951-1952-----	0	0	33	191	621	798	870	818	750	316	147	9	4553
1952-1953-----	0	0	10	286	477	799	829	727	663	377	102	11	4281
1953-1954-----	0	0	29	150	439	718	1031	688	702	327	176	5	4265
1954-1955-----	0	0	30	186	537	878	1035	831	702	347	68	26	4640
1955-1956-----	0	0	21	146	591	1058	991	805	828	493	214	14	5161
Mean 1940-1956-----	0	2	39	207	532	910	967	862	729	397	141	23	4810
Newark Airport, N. J.													
1930-1931-----	0	7	18	346	635	962	1031	890	749	449	210	16	5313
1931-1932-----	0	0	20	218	450	803	705	874	876	507	173	29	4655
1932-1933-----	0	0	65	280	700	876	810	903	842	460	121	26	5083
1933-1934-----	8	3	43	342	735	1057	978	1297	881	465	133	7	5949
1934-1935-----	0	18	25	390	523	1010	1156	977	691	475	213	213	5498
1935-1936-----	0	4	79	300	508	1108	1157	1181	635	531	120	11	5634
1936-1937-----	0	1	56	298	714	840	805	864	899	470	110	4	5061
1937-1938-----	0	8	111	360	621	956	1055	843	668	384	178	23	5207
1938-1939-----	0	0	89	246	571	906	1043	802	802	522	141	3	5125
1939-1940-----	0	4	42	313	689	925	1278	954	952	576	171	34	5938
1940-1941-----	6	34	97	409	637	867	1114	969	912	293	120	32	5490
1941-1942-----	2	10	44	247	530	871	1111	999	703	370	75	20	4892
1942-1943-----	0	6	67	256	602	1081	1043	915	811	577	156	10	5524
1943-1944-----	1	2	76	358	659	1048	1000	957	877	502	87	23	5590
1944-1945-----	0	0	49	338	618	1064	1273	901	462	303	211	82	5301
1945-1946-----	1	12	42	334	570	1112	1012	954	502	444	146	45	5174
1946-1947-----	0	5	18	179	474	879	886	1033	850	444	207	37	5003
1947-1948-----	0	0	113	153	658	994	1258	1037	720	438	190	17	5578
1948-1949-----	0	0	31	318	433	907	852	754	704	364	149	10	4522
1949-1950-----	0	1	72	154	622	830	758	931	885	490	198	18	4959
1950-1951-----	0	0	100	219	546	973	910	819	717	369	116	27	4796
1951-1952-----	0	0	48	239	680	855	898	842	774	336	160	10	4842
1952-1953-----	0	0	22	360	549	860	876	763	680	405	107	15	4637
1953-1954-----	0	0	45	195	523	797	1088	707	728	358	192	7	4640
1954-1955-----	0	0	53	234	601	916	1055	857	723	346	79	34	4898
1955-1956-----	0	0	45	204	639	1101	1013	833	864	516	218	19	5452
Mean 1930-1956-----	0	4	57	280	596	946	1006	918	735	438	153	22	5183

Refer to Table 8 for corresponding 30-year Normal Values.

TEMPERATURE

Table 8. Distribution* of Total Degree Days, Base 65°F (with normals).

Month	Normal 1921-1950	Cumulative Percentage of Degree Days less than Indicated Totals 95%	75%	50%	25%	5%
New York, City Office						
July	0	6	1	0	0	0
August	0	15	6	1	0	0
September	39	99	64	46	28	13
October	263	371	291	258	212	142
November	561	706	630	589	525	449
December	908	1107	1000	923	821	756
January	995	1267	1076	1013	938	759
February	904	1132	1022	935	841	740
March	753	928	860	766	684	517
April	456	571	509	457	399	311
May	153	229	204	176	122	91
June	18	69	38	26	10	3
Seasonal	5050	5911	5477	5122	4865	4443
New York, LaGuardia Airport						
July	0	2	0	0	0	0
August	0	8	0	0	0	0
September	28	87	48	32	20	10
October	250	286	271	186	147	108
November	546	621	574	527	439	373
December	908	1058	989	878	799	718
January	992	1211	1035	968	862	730
February	907	995	949	874	789	688
March	760	870	750	704	663	482
April	447	501	442	365	320	295
May	141	201	176	133	102	58
June	10	51	28	21	9	5
Seasonal	4989	5233	5134	4803	4449	4253

Month	Normal 1921-1950	Cumulative Percentage of Degree Days less than Indicated Totals 95%	75%	50%	25%	5%
New York, Central Park						
July	0	6	0	0	0	0
August	0	25	3	0	0	0
September	31	90	59	41	27	10
October	250	362	287	216	174	101
November	552	641	591	544	485	384
December	902	1086	1010	871	817	725
January	1001	1257	1068	998	868	723
February	910	1003	936	849	802	691
March	747	908	842	720	661	437
April	435	567	487	382	342	287
May	130	203	168	130	102	62
June	7	40	29	17	8	1
Seasonal	4965	5371	5242	4837	4593	4249
Newark Airport, N. J.						
July	0	6	0	0	0	0
August	0	18	5	1	0	0
September	47	111	72	48	31	18
October	301	390	338	280	218	153
November	603	714	639	602	523	433
December	961	1108	1010	916	860	797
January	1039	1273	1088	1013	876	705
February	932	1181	957	901	833	707
March	760	912	864	749	691	462
April	450	576	490	444	364	293
May	148	213	190	149	116	75
June	11	45	27	19	10	3
Seasonal	5252	5938	5490	5125	4842	4522

Distribution compiled from preceeding Table 7.

* Percentage Frequency of monthly total degree days less than stated values. For example, total degree days was less than 449 for November 5% of the time at New York City Office, while 5% of the time at Newark Airport the total was less than 433.

Table 9. Highest Daily Minimum Temperatures (1871-1955), New York, City Office.

	Jan.	Year	Feb.	Year	Mar.	Year	Apr.	Year	May	Year	June	Year	July	Year	Aug.	Year	Sept.	Year	Oct.	Year	Nov.	Year	Dec.	Year
1	44	1952	39	1916	46	1902	51	1952	62	1891	77	1895	81	1872	80	1917	79	1953	72	1954	59	1950	48	1899
2	48	1911	41	1952	48	1882	53	1945	66	1913	76	*1918	82	*1901	81	1955	76	1953	71	1954	62	1929	45	*1939
3	48	1950	40	1954	44	1878	55	1892	68	1913	74	1943	78	1911	76	1955	77	1953	68	1954	63	1936	45	*1941
4	58	1950	42	1890	46	1880	60	1892	66	1942	78	1943	77	*1921	77	1877	76	1898	72	1954	57	1948	47	*1932
5	48	1950	40	1890	48	1880	59	1892	63	1949	78	1925	80	1919	79	1930	74	*1898	72	1941	61	1938	51	1951
6	50	1946	43	1884	47	1894	56	1892	71	1930	81	1925	74	*1911	78	*1955	74	1898	68	1910	63	*1948	49	1951
7	54	1946	41	1904	47	1946	61	1942	68	1930	69	1922	76	1908	82	1918	73	1900	67	1946	61	1938	52	1951
8	49	1930	42	1925	46	1903	66	1929	72	1930	70	1922	75	1929	80	1918	73	1947	65	1949	56	1945	52	1951
9	49	1937	40	1937	47	1921	53	1922	64	1895	77	1933	79	1937	75	*1914	72	1884	66	1949	60	1945	52	1889
10	46	1935	43	1925	49	1955	58	1922	71	1896	72	1922	79	1937	77	1896	74	1884	68	1939	60	1888	52	1946
11	39	1933	47	1925	50	1955	59	*1955	66	1895	71	*1933	77	1911	78	*1949	77	1931	66	1949	56	1935	48	1897
12	41	1908	42	*1932	48	1920	57	1947	71	1881	71	1942	74	*1911	77	1896	73	1947	66	1954	57	1935	51	1911
13	55	1932	46	1951	50	1890	58	1945	64	1918	71	*1898	76	1876	74	*1944	73	1947	65	1954	56	1945	48	1947
14	51	1932	51	1949	51	1953	59	1896	64	1900	69	*1899	76	*1952	76	1944	72	*1947	68	1954	56	1951	51	1901
15	50	1932	47	1949	53	1913	66	1941	70	1900	75	1945	74	*1927	77	1871	74	1931	63	*1955	58	1879	45	1897
16	40	1947	43	1954	52	1948	62	1896	63	1951	74	1945	75	1952	78	1938	70	1930	66	1897	56	1927	43	1928
17	45	1913	49	1891	50	1945	57	1918	67	1906	74	1945	76	1955	75	1955	71	1889	66	1928	59	1927	46	1928
18	48	1915	43	1880	52	1927	55	1950	66	1896	72	*1945	79	1955	74	*1955	68	*1942	65	1928	58	1921	45	*1929
19	44	1876	43	1939	47	1945	60	*1952	67	1903	72	1893	77	1952	73	*1937	71	1906	65	*1947	59	1921	46	1949
20	47	1900	53	1939	56	1948	62	1915	70	1903	73	1873	80	1930	75	*1955	74	1906	65	1916	57	1954	46	1895
21	44	1906	52	1930	53	1938	61	1923	69	1903	79	1923	76	1949	75	1937	75	1895	63	1947	57	*1952	49	1895
22	46	1916	43	1925	58	1929	60	1926	67	1903	76	1872	80	1955	75	*1942	75	1895	62	1935	56	1931	48	1949
23	48	1933	45	1943	56	1938	60	1926	65	*1884	74	1888	77	1952	76	1901	75	1895	63	1900	58	1883	49	1931
24	47	1953	47	1930	51	1903	56	1886	71	1902	74	1909	75	1901	72	*1939	68	1934	64	1900	52	1931	48	1941
25	42	1947	50	1930	58	1913	56	1921	70	1955	76	1923	78	1910	72	*1947	69	*1945	64	1908	51	1908	46	1932
26	46	1950	44	1951	52	1913	61	*1953	72	1880	82	1952	77	1910	79	1948	70	*1945	62	1908	55	1946	45	1889
27	53	1916	45	1880	59	1949	61	1949	71	1880	75	1943	77	1892	80	1948	69	1933	62	*1946	54	1896	56	1949
28	42	1947	49	1910	58	1945	63	1935	70	1939	75	1943	78	1949	80	1948	69	*1886	61	1946	52	1937	45	1940
29	43	1950	47	1880	59	1945	59	*1941	69	1929	74	*1909	78	1892	80	1948	68	1901	63	1946	54	1934	45	1940
30	42	1914			58	1945	62	1903	71	1919	78	*1946	76	1949	77	1953	66	1939	64	1918	55	1934	52	1948
31	43	1913			59	1945			71	1939			80	1917	76	1953			61	1950			46	1884
Highest Daily Minimum Temperatures for each month (1871-1955)	58	1950	53	1939	59	*1949	66	*1941	71	*1930	82	1952	82	*1901	82	1918	79	1953	72	*1954	63	*1948	56	1949

* Also in previous years

TEMPERATURE

Table 10. Percentage Frequency of Occurrence of Dry-Bulb Temperature Versus Wind Speed, January 1950 - December 1955, New York LaGuardia Airport.

Wind Speed (m.p.h.) / °F	January (4464*)					February (4056*)						March (4464*)						April (4320*)					
	0-4	5-14	15-24	25 & over	Total %	°F	0-4	5-14	15-24	25 & over	Total %	°F	0-4	5-14	15-24	25 & over	Total %	°F	0-4	5-14	15-24	25 & over	Total %
74-70--------	0.0	#	#	0.0	#	74-70	0.0	#	0.0	0.0	#	69-65	#	0.1	0.1	#	0.2	84-80	0.0	#	0.2	0.1	0.3
69-65--------	0.0	0.1	0.1	0.0	0.2	69-65	#	0.3	#	0.0	0.3	64-60	0.0	0.5	0.7	0.2	1.4	79-75	#	0.3	0.8	0.0	1.1
64-60--------	0.0	0.2	0.3	0.1	0.6	64-60	#	0.2	0.2	0.0	0.4	59-55	0.2	1.6	1.6	0.6	4.0	74-70	#	1.0	1.9	0.1	3.0
59-55--------	0.1	1.2	0.3	0.1	1.7	59-55	0.3	0.7	0.7	#	1.7	54-50	0.6	4.7	4.1	0.3	9.7	69-65	0.2	2.6	2.2	0.1	5.1
54-50--------	0.4	2.6	1.6	0.2	4.8	54-50	0.5	2.0	2.6	0.3	5.4	49-45	0.8	8.0	6.5	1.4	16.7	64-60	0.5	5.7	2.8	0.2	9.2
49-45--------	1.2	5.4	2.5	0.7	9.8	49-45	0.8	5.7	3.6	0.3	10.4	44-40	1.5	11.9	8.0	1.6	23.0	59-55	1.3	8.9	5.6	0.4	16.2
44-40--------	2.9	9.6	3.9	0.7	17.1	44-40	2.1	9.7	5.3	0.9	18.0	39-35	1.4	9.3	9.0	3.1	22.8	54-50	2.7	12.4	7.1	0.6	22.8
39-35--------	3.3	10.9	6.3	1.3	21.8	39-35	2.4	13.4	9.1	2.6	27.5	34-30	0.4	4.3	5.7	2.6	13.0	49-45	2.7	12.3	10.0	1.0	26.0
34-30--------	2.2	9.4	6.0	2.2	19.8	34-30	1.4	8.3	6.0	1.7	17.4	29-25	#	1.7	2.7	1.8	6.2	44-40	0.7	4.8	4.1	1.0	10.6
29-25--------	0.8	5.0	5.2	1.8	12.8	29-25	0.4	2.4	3.2	1.3	7.3	24-20	#	0.8	1.1	0.5	2.4	39-35	0.1	1.3	1.7	0.7	3.8
24-20--------	0.4	2.9	2.6	1.1	7.0	24-20	0.2	2.1	1.8	1.0	5.1	19-15	#	#	0.2	0.1	0.3	34-30	#	0.3	0.3	0.6	1.2
19-15--------	0.2	0.7	1.8	0.4	3.1	19-15	0.2	0.5	1.7	1.5	3.9	14-10	0.0	#	0.3	#	0.3	29-25	0.0	0.1	0.3	0.2	0.6
14-10--------	#	0.2	0.6	0.1	0.9	14-10	0.0	0.4	0.7	0.8	1.9							24-20	0.0	0.0	0.1	0.0	0.1
9- 5--------	0.0	0.2	0.2	0.0	0.4	9- 5	0.0	#	0.4	0.2	0.6												
						4- 0	0.0	#	0.1	0.0	0.1												
Total %------	11.5	48.4	31.4	8.7	100.0		8.3	45.7	35.4	10.6	100.0		4.9	42.9	40.0	12.2	100.0		8.2	49.7	37.1	5.0	100.0

Wind Speed (m.p.h.) / °F	May (4464*)					June (4320*)						July (4464*)						August (4464*)					
	0-4	5-14	15-24	25 & over	Total %	°F	0-4	5-14	15-24	25 & over	Total %	°F	0-4	5-14	15-24	25 & over	Total %	°F	0-4	5-14	15-24	25 & over	Total %
99-95--------	#	0.0	0.0	0.0	#	104-100	0.0	#	0.1	0.0	0.1	104-100	0.0	#	#	0.0	#	104-100	0.0	#	0.0	0.0	#
94-90--------	0.0	#	0.0	0.0	#	99-95	#	0.3	0.1	0.0	0.4	99-95	#	0.8	0.4	0.0	1.2	99-95	#	0.7	0.2	0.0	0.9
89-85--------	0.0	0.4	0.1	0.0	0.5	94-90	#	1.0	0.7	0.0	1.7	94-90	0.2	3.0	1.0	0.0	4.2	94-90	#	1.1	0.4	#	1.5
84-80--------	0.1	0.8	0.6	0.1	1.6	89-85	0.3	3.7	1.8	0.2	6.0	89-85	0.9	7.7	2.6	0.2	11.4	89-85	0.3	3.6	1.5	#	5.4
79-75--------	0.2	2.1	2.2	0.2	4.7	84-80	0.7	6.1	2.8	#	9.6	84-80	1.6	13.5	4.2	0.1	19.4	84-80	1.2	9.5	2.9	0.3	13.9
74-70--------	0.7	5.3	3.2	0.2	9.4	79-75	1.8	9.5	4.3	0.4	16.0	79-75	4.1	17.6	4.1	0.2	26.0	79-75	3.2	17.8	4.8	0.5	26.3
69-65--------	1.9	9.1	3.7	0.4	15.1	74-70	3.1	12.2	4.2	0.3	19.8	74-70	5.3	16.5	3.2	0.1	25.1	74-70	5.7	20.1	4.6	0.3	30.7
64-60--------	3.5	11.2	5.2	0.4	20.3	69-65	3.9	13.3	4.1	0.5	21.8	69-65	3.2	6.5	1.2	0.2	11.1	69-65	3.3	10.6	3.2	0.2	17.3
59-55--------	3.6	13.7	5.8	0.6	23.7	64-60	2.6	11.2	4.1	0.3	18.2	64-60	0.2	1.0	0.4	#	1.6	64-60	0.6	2.2	0.9	0.1	3.8
54-50--------	2.2	9.2	5.7	0.9	18.0	59-55	0.8	2.8	1.6	0.3	5.5							59-55	0.0	0.1	0.1	0.0	0.2
49-45--------	1.1	3.4	1.6	0.2	6.3	54-50	0.0	0.1	0.5	0.3	0.9												
44-40--------	0.1	0.2	0.1	#	0.4																		
Total %------	13.4	55.4	28.2	3.0	100.0		13.2	60.2	24.3	2.3	100.0		15.5	66.6	17.1	0.8	100.0		14.3	65.7	18.6	1.4	100.0

Wind Speed (m.p.h.) / °F	September (4320*)					October (4464*)						November (4320*)						December (4464*)					
	0-4	5-14	15-24	25 & over	Total %	°F	0-4	5-14	15-24	25 & over	Total %	°F	0-4	5-14	15-24	25 & over	Total %	°F	0-4	5-14	15-24	25 & over	Total %
104-100------	#	#	0.0	0.0	#	89-85	0.1	0.2	0.0	0.0	0.3	84-80	0.0	#	0.2	0.0	0.2	64-60	0.0	0.5	0.7	0.1	1.3
99-95--------	#	#	0.0	0.0	#	84-80	0.3	0.6	0.2	0.0	1.1	79-75	0.0	0.2	0.1	0.0	0.3	59-55	0.2	1.8	1.9	0.2	4.1
94-90--------	#	0.2	0.1	#	0.3	79-75	0.5	1.9	0.8	0.1	3.3	74-70	0.1	0.5	0.2	0.0	0.8	54-50	0.6	2.8	1.3	0.4	5.1
89-85--------	0.2	0.9	0.3	0.0	1.4	74-70	1.0	4.6	2.0	0.2	7.8	69-65	0.3	1.0	0.8	#	2.1	49-45	1.3	6.0	2.8	1.0	11.1
84-80--------	0.3	3.3	1.2	#	4.8	69-65	1.4	9.4	4.1	0.6	15.5	64-60	0.7	2.8	2.0	0.5	6.0	44-40	1.5	9.0	7.5	1.4	19.4
79-75--------	1.1	8.7	3.1	0.2	13.1	64-60	3.0	12.4	6.1	0.4	21.9	59-55	2.5	6.6	2.6	0.7	12.4	39-35	1.8	11.7	7.5	1.3	22.3
74-70--------	2.5	15.2	4.3	0.4	22.4	59-55	3.0	12.3	5.7	0.5	21.5	54-50	3.2	9.4	3.8	0.5	16.9	34-30	1.4	7.5	5.9	1.3	16.1
69-65--------	4.8	16.0	5.7	0.4	26.9	54-50	2.1	8.0	5.8	0.9	16.8	49-45	2.9	10.5	5.8	1.1	20.3	29-25	0.7	3.9	4.7	1.1	10.4
64-60--------	3.5	10.4	4.2	0.1	18.2	49-45	0.8	3.8	3.5	0.5	8.6	44-40	2.4	9.7	6.4	1.7	20.2	24-20	0.2	2.3	2.4	0.9	5.8
59-55--------	1.6	5.5	2.6	#	9.7	44-40	#	1.1	0.9	0.4	2.4	39-35	1.4	6.2	5.4	1.1	14.1	19-15	0.1	0.9	2.0	0.4	3.4
54-50--------	0.2	1.3	0.9	#	2.4	39-35	#	0.1	0.5	0.2	0.8	34-30	0.1	1.6	2.4	0.8	4.9	14-10	#	0.2	0.4	0.1	0.7
49-45--------	0.0	0.4	0.3	#	0.7	34-30	0.0	0.0	#	0.0	#	29-25	#	0.3	1.0	0.1	1.4	9- 5	0.0	0.1	0.2	#	0.3
44-40--------	0.0	0.1	#	0.0	0.1							24-20	0.0	0.1	0.2	0.0	0.3						
												19-15	0.0	0.1	#	0.0	0.1						
Total %------	14.2	62.0	22.7	1.1	100.0		12.2	54.4	29.6	3.8	100.0		13.6	49.0	30.9	6.5	100.0		7.8	46.7	37.3	8.2	100.0

* Number of hourly observations
\# Less than 0.05 percent

Table 10. Percentage Frequency of Occurrence of Dry-Bulb Temperature Versus Wind Speed - Cont'd.
November 1949 - October 1955, Newark Airport, N. J.

Wind Speed (m.p.h.) / °F	January (4464*)					February (4056*)						March (4464*)						April (4320*)					
	0-4	5-14	15-24	25 & over	Total %	°F	0-4	5-14	15-24	25 & over	Total %	°F	0-4	5-14	15-24	25 & over	Total %	°F	0-4	5-14	15-24	25 & over	Total %
74-70	0.0	0.0	0.1	0.0	0.1	74-70	0.0	#	#	0.0	#	74-70	0.0	#	0.1	0.0	0.1	89-85	0.0	0.0	0.1	0.0	0.1
69-65	0.0	0.1	#	0.1	0.2	69-65	0.0	0.1	0.1	0.0	0.2	69-65	#	0.3	0.1	0.1	0.5	84-80	0.0	0.1	0.4	0.1	0.6
64-60	0.0	0.3	0.4	0.2	0.9	64-60	#	0.2	0.2	0.1	0.5	64-60	0.1	0.9	1.0	0.2	2.2	79-75	#	0.5	0.8	0.1	1.4
59-55	0.1	0.8	0.8	0.1	1.8	59-55	0.1	0.8	0.7	0.2	1.8	59-55	0.2	1.9	1.4	0.4	3.9	74-70	#	1.9	1.4	0.1	3.4
54-50	0.8	2.1	1.1	0.2	4.2	54-50	0.2	2.6	1.1	0.2	4.1	54-50	0.6	5.4	2.8	0.3	9.1	69-65	0.4	2.8	1.4	0.2	4.8
49-45	1.7	3.9	2.2	0.3	8.1	49-45	1.4	5.7	1.7	0.3	9.1	49-45	1.4	9.0	4.2	0.4	15.0	64-60	0.8	5.9	2.2	0.2	9.1
44-40	3.2	7.4	2.1	0.4	13.1	44-40	3.1	9.9	4.4	0.4	17.8	44-40	1.9	12.2	5.4	0.7	20.2	59-55	1.9	8.6	4.4	0.3	15.2
39-35	4.5	11.3	4.1	0.5	20.4	39-35	3.3	14.3	6.5	0.7	24.8	39-35	3.3	12.9	7.0	1.1	24.3	54-50	4.0	12.9	3.5	0.5	20.9
34-30	3.8	12.8	5.0	0.4	22.0	34-30	2.3	12.0	3.8	0.5	18.6	34-30	1.4	7.4	5.0	0.6	14.4	49-45	4.0	14.4	6.1	0.4	24.9
29-25	1.7	9.8	3.9	0.5	15.9	29-25	1.6	6.2	2.8	0.2	10.8	29-25	0.3	3.2	2.6	0.5	6.6	44-40	1.8	7.2	3.4	0.3	12.7
24-20	0.6	4.2	2.5	0.2	7.5	24-20	0.3	3.2	1.2	0.4	5.1	24-20	0.2	1.5	0.9	0.2	2.8	39-35	0.6	2.5	1.1	0.2	4.4
19-15	0.4	1.7	1.4	0.1	3.6	19-15	0.4	1.6	1.8	0.6	4.4	19-15	0.0	0.2	0.3	#	0.5	34-30	0.3	0.7	0.8	0.1	1.9
14-10	0.2	0.6	0.9	0.1	1.8	14-10	#	0.8	1.0	0.3	2.1	14-10	0.0	0.2	0.2	0.0	0.4	29-25	0.0	0.2	0.2	#	0.4
9- 5	#	0.4	#	0.0	0.4	9- 5	#	0.2	0.4	0.0	0.6							24-20	0.0	0.2	0.0	0.0	0.2
						4- 0	0.0	0.1	#	0.0	0.1												
Total %	17.0	55.4	24.5	3.1	100.0		12.7	57.7	25.7	3.9	100.0		9.4	55.1	31.0	4.5	100.0		13.8	57.9	25.8	2.5	100.0

Wind Speed (m.p.h.) / °F	May (4464*)					June (4320*)						July (4464*)						August (4464*)					
	0-4	5-14	15-24	25 & over	Total %	°F	0-4	5-14	15-24	25 & over	Total %	°F	0-4	5-14	15-24	25 & over	Total %	°F	0-4	5-14	15-24	25 & over	Total %
94-90	0.0	0.1	#	0.0	0.1	104-100	0.0	0.1	#	0.0	0.1	104-100	0.0	0.0	0.1	0.0	0.1	104-100	0.0	0.1	#	0.0	0.1
89-85	#	0.5	0.1	0.0	0.6	99-95	0.0	0.5	0.2	#	0.7	99-95	#	1.1	0.7	0.0	1.8	99-95	0.1	0.8	0.2	0.0	1.1
84-80	0.1	1.3	0.9	0.1	2.4	94-90	#	1.3	1.1	#	2.4	94-90	0.6	3.2	1.6	0.0	5.4	94-90	#	1.3	0.5	0.0	1.8
79-75	0.4	2.7	2.0	0.2	5.3	89-85	0.2	3.7	2.2	0.1	6.2	89-85	1.3	7.2	2.5	0.1	11.1	89-85	0.6	3.5	1.1	#	5.2
74-70	0.8	5.5	2.1	0.2	8.6	84-80	0.8	6.0	2.2	0.1	9.1	84-80	2.7	11.4	2.4	0.1	16.6	84-80	2.1	9.1	2.0	#	13.2
69-65	2.4	10.1	2.7	0.2	15.4	79-75	1.4	9.8	2.6	0.2	14.0	79-75	5.3	15.2	2.2	0.1	22.8	79-75	5.3	14.7	2.6	0.1	22.7
64-60	4.3	12.4	3.3	0.1	20.1	74-70	3.1	12.5	2.6	0.2	18.4	74-70	6.4	15.8	1.6	0.1	23.9	74-70	8.5	16.9	2.4	0.2	28.0
59-55	4.6	14.7	3.5	0.2	23.0	69-65	4.2	14.0	2.5	0.1	20.8	69-65	4.0	9.6	0.8	0.0	14.4	69-65	6.3	11.3	1.3	#	18.9
54-50	3.3	10.9	2.6	0.2	17.0	64-60	4.0	12.9	2.1	0.1	19.1	64-60	1.6	2.0	0.2	0.0	3.8	64-60	3.0	3.7	0.4	0.1	7.2
49-45	1.5	4.4	0.9	0.0	6.8	59-55	1.6	4.6	1.0	0.1	7.3	59-55	0.1	#	0.0	0.0	0.1	59-55	0.8	0.9	0.1	0.0	1.8
44-40	0.2	0.4	0.1	0.0	0.7	54-50	0.4	0.9	0.6	0.0	1.9							54-50	0.0	#	0.0	0.0	#
						49-45	0.0	#	0.0	0.0	#												
Total %	17.6	63.0	18.2	1.2	100.0		15.7	66.3	17.1	0.9	100.0		22.0	65.5	12.1	0.4	100.0		26.7	62.3	10.6	0.4	100.0

Wind Speed (m.p.h.) / °F	September (4320*)					October (4464*)						November (4320*)						December (4464*)					
	0-4	5-14	15-24	25 & over	Total %	°F	0-4	5-14	15-24	25 & over	Total %	°F	0-4	5-14	15-24	25 & over	Total %	°F	0-4	5-14	15-24	25 & over	Total %
109-105	0.0	#	0.0	0.0	0.0	89-85	0.0	0.2	0.1	0.0	0.3	89-85	0.0	0.0	#	0.0	#	69-65	#	#	0.0	0.0	#
104-100	0.0	0.1	0.0	0.0	0.1	84-80	0.1	0.8	0.4	0.0	1.3	84-80	0.0	#	0.2	0.0	0.2	64-60	0.1	0.4	0.9	#	1.4
99-95	0.0	0.1	0.0	0.0	0.1	79-75	0.4	2.2	0.8	0.0	3.4	79-75	0.0	0.1	#	0.0	0.1	59-55	0.4	2.6	1.3	0.1	4.4
94-90	#	0.4	0.1	0.0	0.5	74-70	1.0	4.2	1.2	0.3	6.7	74-70	0.0	0.7	0.2	#	0.9	54-50	0.8	2.8	1.3	0.2	5.1
89-85	0.1	1.0	0.4	0.0	1.5	69-65	1.8	7.8	1.9	0.3	11.8	69-65	0.1	1.4	0.6	0.2	2.3	49-45	1.4	4.7	2.0	0.4	8.5
84-80	0.5	3.7	1.0	0.0	5.2	64-60	3.2	12.1	3.0	0.1	18.4	64-60	0.9	2.0	1.3	0.1	4.3	44-40	2.7	9.8	4.3	0.4	17.2
79-75	1.5	7.7	2.3	#	11.5	59-55	5.5	11.2	2.7	0.2	19.6	59-55	2.4	5.4	1.7	0.4	9.9	39-35	3.0	15.3	5.0	0.2	23.5
74-70	3.3	11.6	2.4	0.1	17.4	54-50	3.6	11.1	2.4	0.1	17.2	54-50	3.3	8.3	2.7	0.3	14.6	34-30	2.3	13.1	3.3	0.1	18.8
69-65	5.5	15.1	2.9	0.1	23.6	49-45	3.2	7.3	2.0	0.1	12.6	49-45	4.3	10.3	3.1	0.2	17.9	29-25	1.1	7.7	2.4	0.1	11.3
64-60	6.0	11.6	2.1	0.1	19.8	44-40	1.9	3.4	0.6	0.0	5.9	44-40	4.4	11.2	3.9	0.2	19.7	24-20	0.6	3.8	1.5	#	5.9
59-55	3.6	8.4	1.0	0.0	13.0	39-35	0.4	1.7	0.3	0.0	2.4	39-35	3.5	9.8	2.9	0.6	16.8	19-15	0.3	1.5	1.0	#	2.8
54-50	2.1	3.1	0.4	0.0	5.6	34-30	0.1	0.3	#	0.0	0.4	34-30	2.4	5.1	2.0	0.4	9.9	14-10	#	0.5	0.2	0.0	0.7
49-45	0.4	0.9	0.1	0.0	1.4							29-25	0.4	1.7	0.6	0.0	2.7	9- 5	0.1	0.3	0.0	0.0	0.4
44-40	#	0.3	0.0	0.0	0.3							24-20	0.1	0.6	0.0	0.0	0.7						
Total %	23.0	64.0	12.7	0.3	100.0		21.2	62.3	15.4	1.1	100.0		21.8	56.6	19.2	2.4	100.0		12.8	62.5	23.2	1.5	100.0

* Number of hourly observations
\# Less than 0.05 percent

TEMPERATURE

Table 11. Critical Low Temperatures with Mean and Extreme Dates and Length of Seasons.

Station	Indicated Temperatures (°F) or Lower							
	16°	20°	24°	28°	32°	36°	40°	42°
New York, City Office (1871-1955)								
Mean date, last Spring occurrence	Feb. 28	Mar. 9	Mar. 15	Mar. 26	Apr. 7	Apr. 18	Apr. 27	May 2
Latest Spring occurrence	Apr. 1	Apr. 5	Apr. 20	Apr. 27	Apr. 30	May 11	May 25	May 30
Earliest Fall occurrence	Nov. 22	Nov. 15	Nov. 13	Oct. 27	Oct. 15	Oct. 5	Sep. 21	Sep. 21
Mean date, first Fall occurrence	Dec. 11	Dec. 7	Dec. 3	Nov. 24	Nov. 12	Oct. 31	Oct. 19	Oct. 14
Mean length of Season (a)	286	273	263	243	219	196	175	165
New York, Central Park (1869-1955)								
Mean date, last Spring occurrence	(b) Mar. 1	Mar. 10	Mar. 19	Mar. 29	Apr. 6	Apr. 16	Apr. 27	May 3
Latest Spring occurrence	Apr. 1	Apr. 5	Apr. 20	Apr. 25	May 6	May 11	May 21	May 30
Earliest Fall occurrence	Nov. 22	Nov. 14	Nov. 14	Oct. 27	Oct. 15	Oct. 1	Sep. 25	Sep. 22
Mean date, first Fall occurrence	(d) Dec. 13	(c) Dec. 8	Dec. 2	Nov. 24	Nov. 12	Oct. 30	Oct. 18	Oct. 11
Mean length of Season (a)	287	273	258	240	220	197	174	161
Newark Airport, N. J. (1931-1955)								
Mean date, last Spring occurrence	(e) Feb. 28	Mar. 7	Mar. 16	Mar. 26	Apr. 7	Apr. 22	May 3	May 11
Latest Spring occurrence	Mar. 24	Mar. 25	Apr. 7	Apr. 16	Apr. 23	May 14	May 30	June 1
Earliest Fall occurrence	Nov. 16	Nov. 15	Nov. 15	Oct. 27	Oct. 8	Sep. 26	Sep. 20	Sep. 17
Mean date, first Fall occurrence	Dec. 11	Dec. 7	Nov. 30	Nov. 19	Oct. 30	Oct. 21	Oct. 6	Oct. 4
Mean length of Season (a)	285	274	258	237	205	181	155	145

(a) Number of days between the mean dates of Spring and Fall temperatures shown.

In the New York, Central Park, compilations, the following have been excluded:
(b) The year when all daily minimum temperatures during the spring were higher than 16°F;
(c) The 5 years when all daily minimum temperatures during the fall season were higher than 20°F; and,
(d) The 18 years when all daily minimum temperatures during the fall season were higher than 16°F.

In the Newark Airport, N.J., compilations,
(e) The 3 years when all daily minimum temperatures during the fall season were higher than 16°F were excluded.

Table 12. Mean Daily Temperature (°F) at Substations near New York City.

Station	1955 Elevation (ft.)	Period of Record (yrs.)	January	February	March	April	May	June	July	August	September	October	November	December	Annual
NEW YORK															
Dobbs Ferry	11	10	32.2	32.9	40.3	51.2	60.5	69.3	75.3	72.9	65.7	(11)57.1	(11)44.9	(11)33.8	53.0
Fort Schuyler	12	8	(7) 35.9	(7) 36.1	(7) 40.5	(7) 51.1	59.8	69.3	75.8	74.0	67.4	59.2	47.7	37.5	(7) 54.5
Flushing	60	32	(33)30.9	(33)31.5	(33)39.3	(33)48.4	59.6	68.3	73.7	71.8	65.2	55.4	44.3	33.8	51.9
Hempstead Malverne	35	7	(6) 35.1	(6) 36.5	(6) 40.5	(6) 51.2	59.6	69.6	76.1	73.3	66.1	(8) 57.8	(8) 46.4	(8) 36.8	(5) 54.1
Mineola	128	18	32.1	33.2	39.9	49.9	60.2	69.5	75.4	73.4	66.4	57.3	46.3	35.5	53.3
N. Y. Ave. V Brooklyn	20	6	36.4	36.6	40.9	51.5	60.6	69.7	76.1	74.0	67.1	58.5	46.3	36.6	54.5
N. Y. Laurel Hill	10	5	35.1	37.6	42.1	53.7	62.7	72.3	(6) 78.6	(6) 75.8	(6) 69.2	(6) 60.1	(6) 47.4	(6) 37.2	56.0
N. Y. Westerleigh Staten I.	80	5	(4) 32.6	(4) 36.3	(4) 40.7	52.1	60.3	68.8	75.3	72.7	66.2	56.7	44.2	35.2	(4) 53.4
Scarsdale	199	51	29.1	(50)28.6	37.6	(50)47.9	58.6	67.0	72.0	69.8	63.5	53.6	(50)41.6	31.8	(45)50.1
White Plains Airport	435	5	(3) 32.5	(3) 34.3	(2) 39.0	50.3	59.0	69.3	75.2	(6) 72.1	64.0	55.8	42.8	(4) 32.6	(2) 52.2
NEW JERSEY															
Boonton	280	47	(45)28.2	28.5	36.6	48.4	(46)58.9	(46)67.6	(46)72.4	70.5	63.5	52.8	41.7	30.5	(44)50.0
Canoe Brook	180	24	(23)29.1	29.4	(25)37.9	(25)48.3	(25)58.9	67.8	73.1	71.2	64.0	53.8	42.2	(25)32.5	(19)50.7
Charlotteburg	760	63	27.7	27.5	36.7	47.2	57.9	65.7	(62)70.4	68.3	62.3	51.9	41.0	30.5	(62)48.9
Elizabeth	33	74	31.3	31.7	40.0	(73)51.2	61.9	(72)70.5	(73)75.5	(72)73.5	(72)67.0	(75)55.8	(75)44.3	(75)34.0	(66)53.1
Essex Fells Svc. Bldg.	250	6	31.4	32.4	38.0	49.8	58.9	(7) 68.4	(7) 74.1	(7) 71.6	(7) 63.3	54.8	(7) 42.2	(7) 32.5	51.4
Jersey City	135	55	32.4	(54)31.9	(56)40.0	50.4	61.4	71.2	(56)75.7	73.7	(56)67.3	56.6	(56)45.0	(56)34.7	(50)53.4
Long Branch	34	46	32.5	32.1	39.8	48.9	59.0	68.2	73.5	71.9	66.0	55.8	44.9	34.8	52.3
Morris Plains	500	10	31.5	31.9	40.0	50.3	59.6	68.3	73.6	(9) 71.5	(9) 63.8	55.1	(11)43.3	(11)32.6	(9) 51.8
New Brunswick Exp. Sta.	80	25	32.6	32.6	40.6	50.8	(24)61.8	70.0	75.1	73.2	66.5	56.2	45.0	34.2	(24)53.2
Paterson	100	78	(77)30.5	(76)30.9	39.6	(79)50.8	61.6	(79)70.2	74.9	72.6	66.3	55.5	44.0	(75)33.5	(69)52.5
Plainfield	120	64	30.7	(63)31.3	39.7	50.7	61.4	69.1	74.2	72.1	65.8	54.6	43.4	33.3	(63)52.2
Ridgefield	80	25	31.2	31.3	39.7	50.2	61.1	70.0	75.2	73.0	66.0	55.6	44.2	33.5	52.6
Sandy Hook	22	57	32.0	32.1	38.9	48.4	59.3	68.8	74.4	73.2	67.6	57.3	45.7	35.3	52.8
Somerville	75	69	29.8	(70)30.5	39.1	(68)49.8	60.7	69.4	(68)74.2	72.4	(67)65.9	(68)54.6	(71)43.1	(70)32.8	(65)51.9

Table 13. Mean Daily Maximum Temperature (°F) at Substations near New York City.

Station	1955 Elevation (ft.)	Period of Record (yrs.)	January	February	March	April	May	June	July	August	September	October	November	December	Annual
NEW YORK															
Dobbs Ferry	11	10	39.4	40.8	49.3	61.2	70.8	79.5	85.5	82.2	74.8	(11)66.2	(11)52.6	(11)40.7	61.9
Fort Schuyler	12	8	(7) 42.2	(7) 43.0	(7) 47.4	(7) 58.7	67.7	77.4	83.8	81.0	74.3	66.1	54.1	43.3	(7) 60.8
Flushing	60	23	(24)38.9	(24)39.6	(24)48.6	(24)58.6	69.8	78.2	82.9	81.5	75.5	66.0	52.8	41.2	61.1
Hempstead Malverne	35	7	(6) 42.2	(6) 44.3	(6) 48.8	(6) 59.8	68.9	79.2	85.7	82.6	75.6	(8) 67.2	(8) 55.1	(8) 44.1	(5) 62.8
Mineola	128	18	38.5	39.9	47.2	58.1	69.0	78.2	83.7	81.5	74.5	65.2	53.1	41.7	60.9
N. Y. Ave. V Brooklyn	20	6	43.0	43.4	47.8	59.3	68.5	78.0	84.1	81.4	74.7	66.3	53.2	46.6	61.9
N. Y. Laurel Hill	10	5	41.7	44.9	48.9	61.6	71.1	80.8	(6) 86.8	(6) 83.3	(6) 76.6	(6) 67.7	(6) 54.0	(6) 43.1	63.4
N. Y. Westerleigh Staten I.	80	5	(4) 40.2	(4) 45.0	(4) 49.0	61.9	70.5	78.7	85.8	82.4	76.8	67.1	53.0	42.7	(4) 62.8
Scarsdale	199	51	38.0	38.5	48.0	59.2	70.9	(52)79.5	84.4	81.8	75.4	65.2	52.2	40.4	(48)61.1
White Plains Airport	435	5	(3) 36.2	(3) 42.6	(2) 47.4	59.9	69.0	79.6	85.1	(6)81.8	(6) 74.1	67.9	51.2	(4) 39.6	(2) 61.2
NEW JERSEY															
Boonton	280	47	(45)37.5	38.2	47.7	59.6	(46)71.0	(46)79.5	(46)84.1	82.2	75.8	65.0	51.9	40.1	(44)61.0
Canoe Brook	180	25	(23)39.7	(24)40.4	49.2	60.9	72.3	80.7	86.1	83.6	(24)77.1	(24)67.4	(24)54.2	(26)41.8	(20)62.8
Charlotteburg	760	63	37.3	37.6	47.6	59.7	71.2	78.9	83.3	81.2	75.3	64.7	51.4	39.7	60.7
Elizabeth	33	62	(61)39.8	40.7	(61)50.9	62.7	73.8	(60)82.2	(61)86.9	(61)84.4	(61)78.3	67.3	54.0	42.2	(56)63.6
Essex Fells Svc. Bldg.	250	6	40.4	41.8	47.4	60.7	70.8	(7) 80.2	(7) 86.2	(7) 80.0	(7) 75.6	67.2	(7) 52.7	(7) 41.7	62.0
Jersey City	135	48	39.2	39.4	48.3	(49)59.4	70.7	79.4	(49)84.5	82.1	(49)75.9	65.3	(49)52.4	(49)41.3	(45)61.5
Long Branch	34	46	40.1	39.9	48.0	57.4	67.8	76.4	81.8	80.0	74.3	64.8	53.0	43.5	60.6
Morris Plains	500	10	40.7	41.8	50.9	62.1	72.2	81.3	86.0	(9) 83.7	(9) 76.4	68.4	(11)53.9	(11)41.6	(9) 63.3
New Brunswick Exp. Sta.	80	25	40.9	41.8	50.5	61.8	73.4	80.9	85.8	83.6	77.3	67.1	54.5	42.5	(24)63.3
Paterson	100	61	(60)39.1	(59)39.6	50.1	(62)62.0	73.5	(62)81.4	85.7	83.1	77.2	66.8	53.6	(58)41.4	(55)62.8
Plainfield	120	62	38.9	(61)39.5	49.5	61.1	72.3	80.5	85.4	83.0	76.9	66.2	53.1	41.4	(61)62.3
Ridgefield	80	25	38.8	39.7	48.7	60.5	72.0	80.6	85.7	83.3	76.6	66.3	53.0	41.3	62.2
Sandy Hook	22	44	38.3	38.5	44.9	56.2	67.1	76.5	81.7	80.0	74.1	63.9	51.9	40.9	59.5
Somerville	75	60	39.2	(61)40.4	50.7	(59)62.3	73.6	81.6	(59)86.5	84.2	(58)78.2	(59)67.1	(62)53.6	(61)41.7	(56)63.3

Table 14. Mean Daily Minimum Temperature (°F) at Substations near New York City.

Station	1955 Elevation (ft.)	Period of Record (yrs.)	January	February	March	April	May	June	July	August	September	October	November	December	Annual
NEW YORK															
Dobbs Ferry	11	10	25.0	25.0	31.4	41.2	50.1	59.0	65.1	63.4	56.6	(11)48.0	(11)37.2	(11)27.0	44.1
Fort Schuyler	12	8	(7) 29.5	(7) 29.2	(7) 33.5	(7) 43.4	51.8	61.2	67.8	67.0	60.5	52.4	41.2	31.7	(7) 47.4
Flushing	60	23	(24)24.4	(24)23.7	(24)31.1	(24)39.7	49.3	58.7	64.0	63.0	56.5	45.9	36.9	27.5	43.4
Hempstead Malverne	35	7	28.4	(6) 28.6	(6) 32.2	(6) 42.4	50.1	60.0	66.5	64.0	56.6	(8) 48.3	(8) 37.7	(8) 29.5	(6) 45.4
Mineola	128	18	25.8	26.5	32.5	41.7	51.5	60.8	67.0	65.2	58.3	49.3	39.4	29.2	45.6
N. Y. Ave. V Brooklyn	20	6	29.9	29.8	33.9	43.7	52.6	51.4	68.1	66.5	59.4	50.6	39.4	30.6	46.3
N. Y. Laurel Hill	10	5	28.5	30.3	35.3	45.7	54.3	63.8	(6) 70.4	(6) 68.1	(6) 61.7	(6) 52.4	(6) 40.8	(6) 31.3	48.6
N. Y. Westerleigh Staten I.	80	5	(4) 25.1	(4) 27.7	(4) 32.3	42.2	50.1	58.8	64.9	63.0	55.4	46.1	35.3	27.6	(4) 44.0
Scarsdale	199	51	21.4	(50)20.8	28.7	38.4	48.6	57.1	62.4	60.6	54.1	44.1	(50)34.3	24.5	(47)41.3
White Plains Airport	435	5	(3) 22.2	(3) 26.0	(2) 30.6	40.5	48.9	58.8	65.2	(6) 62.4	(6) 53.9	45.7	34.4	(4) 25.6	(2) 42.8
NEW JERSEY															
Boonton	280	47	(46)18.9	18.8	27.1	37.2	46.7	(46)55.7	(46)60.8	58.7	51.2	40.6	31.5	22.1	(45)39.1
Canoe Brook	180	25	(24)18.5	18.3	26.7	35.7	45.6	(24)54.8	(24)60.0	(24)58.6	(24)50.9	40.1	30.2	(26)20.6	(21)38.3
Charlotteburg	760	63	18.1	17.3	25.8	34.9	44.6	52.5	(62)57.5	55.5	49.2	39.0	30.6	21.2	(62)37.2
Elizabeth	33	62	23.2	(61)22.5	30.2	38.1	48.8	59.4	(61)63.0	(61)61.1	(61)53.9	44.7	34.9	25.8	(56)42.1
Essex Fells Svc. Bldg.	250	6	22.2	22.8	28.6	39.0	47.0	(7) 56.5	(7) 62.0	(7) 63.0	(7) 50.9	42.4	(7) 31.6	(7) 23.3	40.8
Jersey City	135	48	25.6	(47)25.0	32.4	(49)41.9	52.3	(49)61.2	(50)66.8	(50)65.3	(50)59.0	48.7	(49)38.4	(49)28.6	(45)45.4
Long Branch	34	46	24.9	24.3	31.7	40.5	50.2	59.5	65.2	63.7	57.8	46.8	36.7	27.3	44.0
Morris Plains	500	10	22.2	22.0	29.0	38.5	46.9	55.3	61.2	(9) 59.3	(9) 51.1	42.4	(11)32.7	(11)23.6	(9) 40.4
New Brunswick Exp. Sta.	80	25	24.2	23.5	30.7	39.7	50.1	59.1	64.4	62.7	55.7	45.3	35.6	25.9	(24)43.1
Paterson	100	61	(60)23.3	(59)22.5	30.7	(62)40.3	50.4	(62)59.3	64.6	62.4	55.8	45.3	35.5	(58)26.3	(55)43.0
Plainfield	120	62	22.2	(61)21.4	29.7	38.7	48.5	57.6	63.0	61.3	54.6	43.3	33.7	24.8	(61)41.6
Ridgefield	80	25	23.6	23.0	30.5	39.9	50.2	59.3	64.6	62.6	55.3	45.0	35.3	25.7	42.9
Sandy Hook	22	44	27.1	25.9	32.8	41.7	51.9	61.4	67.4	66.8	61.3	50.9	40.1	29.8	46.4
Somerville	75	61	21.1	20.5	29.2	(59)38.1	(60)48.1	56.9	(60)62.4	(60)60.8	(58)53.9	(59)42.7	(62) 32.9	(61)23.8	(56)40.9

Numbers in parentheses indicate number of years for which that month's data are computed if different from that given in Col. 3.

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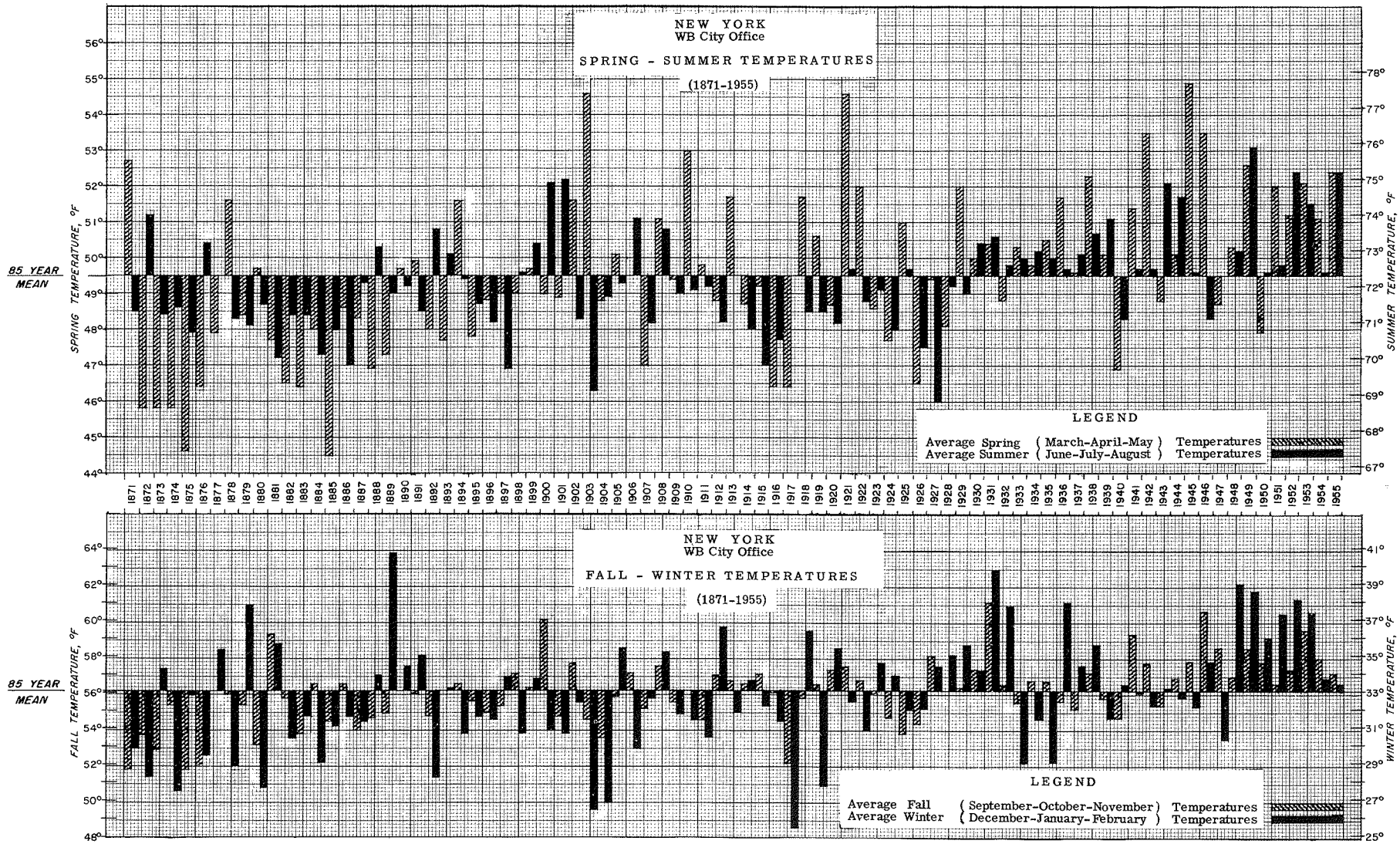
GRAPH A



Top graph shows average Spring and Summer temperatures for each year since 1871 when official Weather Bureau observations began. While it indicates a great variety of different conditions, there does seem to be something in favor of persistence; since a cool Spring has been followed by cooler than normal Summers at New York in 67% of the years, and warm Springs by above normal Summers in 59% of the years.

Bottom graph shows average Fall and Winter temperatures for each year (1871-1955). Falls which were either very cool or very warm——three degrees or more above or below the average——were followed by Winters somewhat of that same characteristic more often than by the opposite. Note years 1917 and 1931 as examples.

PRECIPITATION

Table 15. Total Precipitation*, Inches, New York, City Office.

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1826--------	1.13	2.32	4.00	2.73	0.19	12.53	3.73	14.22	2.55	8.28	1.89	2.10	55.67
1827--------	3.04	4.54	1.55	6.83	4.02	2.16	4.82	5.65	4.45	4.70	6.15	3.23	51.14
1828--------	2.75	3.20	5.95	5.45	5.00	3.17	4.00	1.80	8.29	1.65	7.20	0.45	48.91
1829--------	5.10	3.67	4.00	5.05	3.55	1.45	2.70	4.30	3.20	4.36	4.75	3.70	45.83
1830--------	1.71	1.58	5.15	1.54	3.25	4.60	5.87	1.22	1.75	4.70	5.45	6.50	43.32
1831--------	3.30	2.00	3.28	5.75	3.30	1.60	4.12	1.25	6.20	4.70	1.35	1.90	38.75
1832--------	4.65	3.25	2.10	4.25	3.46	0.90	6.03	5.15	1.50	0.75	2.10	5.01	39.15
1833--------	1.30	2.00	2.42	0.85	4.50	3.85	4.52	2.07	3.40	6.75	2.47	3.54	37.67
1834--------	1.74	2.02	1.00	3.22	3.23	6.41	6.17	1.06	2.94	2.59	2.29	0.95	33.62
1835--------	3.15	0.63	2.17	3.93	0.76	3.39	4.19	2.65	1.50	1.74	2.62	2.05	28.78
1836--------	5.39	3.62	2.21	0.94	1.99	7.45	2.19	1.86	1.24	2.58	3.56	3.54	36.57
1837--------	0.93	1.72	5.57	3.22	4.63	3.58	3.58	3.12	1.28	1.32	1.66	1.52	32.13
1838--------	2.05	0.96	2.21	2.46	3.05	2.02	3.29	1.36	6.64	4.03	4.89	0.74	33.70
1839--------	0.33	1.52	2.33	2.86	3.78	3.90	2.19	3.34	4.37	1.77	3.25	3.80	33.44
1840--------	2.18	2.11	1.77	5.52	3.08	2.93	3.01	5.18	1.97	3.29	3.20	1.23	35.47
1841--------	4.42	0.91	2.25	3.83	3.67	6.02	3.11	3.44	4.89	6.67	2.62	2.74	44.57
1842--------	2.67	3.19	1.66	3.74	4.60	3.53	6.19	5.73	2.50	1.98	2.86	2.94	41.59
1843--------	0.89	1.66	2.69	3.76	2.13	4.71	1.15	8.96	0.40	2.82	3.91	2.60	35.68
1844--------	3.96	0.96	3.19	0.80	3.48	0.79	6.25	6.06	5.07	3.74	2.35	3.15	39.80
1845--------	2.10	3.52	1.85	1.28	1.20	4.41	3.56	3.46	2.98	2.72	3.42	2.21	33.71
1846--------	4.04	1.74	3.73	3.11	5.46	1.20	3.41	2.41	0.40	1.01	7.96	1.47	35.94
1847--------	2.47	4.42	2.94	1.69	2.20	4.46	5.41	5.01	5.40	1.68	5.68	3.11	44.47
1848--------	1.80	1.51	2.12	0.90	5.79	4.50	3.62	0.75	2.29	4.03	1.29	4.15	32.75
1849--------	0.10	1.61	3.69	0.67	4.97	0.63	1.66	4.27	0.88	6.41	2.16	3.03	30.08
1850--------	1.21	1.23	0.99	1.98	8.27	2.16	3.90	7.86	6.64	2.68	2.13	5.51	44.56
1851--------	1.50	4.83	2.27	6.22	3.60	1.59	2.71	2.72	0.78	4.20	5.65	2.70	38.77
1852--------	1.06	2.58	3.40	3.93	1.80	1.56	0.39	6.21	1.46	2.59	5.25	5.06	35.29
1853--------	2.48	3.52	4.30	3.88	3.49	2.56	7.43	5.13	6.51	0.06	3.42	2.62	46.40
1854--------	2.10	4.44	0.37	11.19	6.25	1.33	2.51	1.26	3.22	1.34	6.15	3.36	43.52
1855--------	5.50	3.25	1.35	1.35	5.19	4.99	5.42	1.20	3.05	3.84	2.70	5.38	43.22
1856--------	3.66	0.80	1.58	1.60	5.05	3.29	3.27	6.30	3.20	0.80	2.30	3.14	34.99
1857--------	3.22	0.55	1.24	4.15	5.25	3.67	4.97	3.53	2.84	2.54	1.86	4.87	38.69
1858--------	2.69	2.66	1.39	0.90	5.44	3.79	4.12	2.88	3.30	2.30	3.29	3.94	36.70
1859--------	6.46	4.51	7.53	5.35	2.02	5.20	3.80	4.50	9.60	1.66	1.90	7.15	59.68
1860--------	3.45	1.26	1.68	1.90	2.53	0.78	2.02	8.91	2.09	0.37	4.91	1.18	31.08
1861--------	4.45	2.16	4.01	2.55	2.90	1.20	1.06	2.47	4.20	4.87	5.55	1.80	37.22
1862--------	7.45	4.18	3.60	0.30	1.20	6.86	3.29	2.74	1.92	7.54	6.15	1.55	46.78
1863--------	2.10	3.58	2.92	2.20	4.45	1.60	4.30	3.45	2.21	4.25	7.08	5.30	43.44
1864--------	2.45	4.25	5.25	4.40	3.27	1.60	2.82	1.10	4.10	2.85	4.50	2.92	39.51
1865--------	2.66	3.79	4.85	3.77	4.91	3.77	5.63	3.15	1.69	3.93	2.69	4.16	45.00
1866--------	1.01	5.38	2.44	2.66	4.31	2.68	4.13	5.48	3.46	0.64	3.16	2.91	38.26
1867--------	3.34	5.15	5.24	2.50	5.78	9.50	4.50	8.54	0.77	3.73	1.98	2.34	53.37
1868--------	4.53	2.32	0.61	6.09	6.14	4.80	5.58	9.66	9.30	1.32	4.28	2.77	57.40
1869--------	2.99	6.04	3.98	1.88	4.34	4.33	3.83	2.49	2.46	7.03	3.28	5.47	48.12
1870--------	4.83	5.15	4.34	4.40	2.06	2.78	3.53	3.24	2.02	4.90	2.71	2.49	42.45
1871--------	1.15	3.86	4.90	3.41	4.49	7.14	3.60	5.48	2.13	7.07	4.33	1.24	48.80
1872--------	2.40	1.45	3.93	2.49	2.44	2.94	9.45	6.13	3.44	3.53	5.04	2.54	45.78
1873--------	5.05	1.73	1.92	3.05	4.08	1.29	4.15	7.66	2.51	2.47	4.01	2.06	39.98
1874--------	4.82	2.41	1.88	7.02	2.16	2.87	3.22	2.53	7.21	1.82	2.21	1.69	39.84
1875--------	2.87	3.23	4.25	3.21	1.47	1.66	5.23	10.42	2.51	3.13	4.43	2.78	45.19
1876--------	1.21	5.39	7.90	3.79	3.94	2.87	5.72	2.97	5.24	1.68	4.40	2.29	47.40
1877--------	3.55	1.67	6.65	3.18	0.73	3.31	3.86	2.54	1.33	7.69	5.48	0.95	40.94
1878--------	4.53	3.40	4.02	1.93	3.73	2.91	5.26	7.30	3.20	1.71	3.74	4.93	46.66
1879--------	3.05	2.74	2.04	4.06	2.23	3.42	3.39	5.17	1.45	0.58	2.22	5.86	36.21
1880--------	2.19	2.11	4.66	3.18	0.82	1.69	6.67	4.40	2.26	2.81	2.40	4.15	37.34
1881--------	5.41	5.06	6.78	1.00	2.33	6.23	1.31	1.56	1.38	2.10	2.87	4.37	40.40
1882--------	6.15	4.36	2.32	2.15	4.21	2.82	2.75	1.63	14.51	1.69	1.80	2.22	46.61
1883--------	3.22	4.58	1.63	3.82	3.03	4.00	3.37	2.29	3.57	4.27	1.65	3.40	38.83
1884--------	6.07	5.09	4.43	2.66	4.35	4.16	6.14	8.56	0.15	3.63	3.44	6.66	55.34
1885--------	3.50	6.09	1.19	2.44	2.22	1.86	3.04	7.70	0.72	5.62	5.05	2.69	42.12
1886--------	5.02	5.90	3.54	4.95	6.53	3.01	2.57	1.18	1.79	3.90	4.61	3.73	46.73
1887--------	4.19	5.26	3.51	3.67	0.99	7.70	6.75	3.66	2.30	2.36	2.04	4.20	46.63
1888--------	5.14	4.03	5.64	3.57	4.87	1.68	1.27	6.35	7.40	4.14	4.81	4.05	52.95
1889--------	5.38	3.07	4.09	5.90	3.25	2.38	9.63	3.39	7.43	2.53	9.82	1.81	58.68
1890--------	2.95	3.86	6.67	2.58	3.11	4.19	3.96	4.06	8.21	6.46	0.82	5.43	52.30
1891--------	5.73	4.69	4.22	2.37	3.10	1.18	4.11	5.87	2.12	2.69	2.06	3.30	41.44
1892--------	5.61	1.27	4.62	2.36	4.30	2.97	2.45	3.90	0.87	0.63	8.28	1.64	38.90
1893--------	3.56	7.81	4.47	6.36	5.06	2.56	1.26	7.18	2.27	5.28	3.71	3.49	53.01
1894--------	2.70	5.15	1.69	2.51	3.90	0.86	2.89	1.54	8.04	5.83	3.83	5.23	44.17
1895--------	5.62	0.82	2.80	2.92	2.04	2.57	4.40	4.12	0.95	4.04	3.58	1.87	35.73
1896--------	1.25	5.50	6.13	1.24	2.01	6.38	4.45	2.46	3.04	1.71	2.12	1.70	37.99
1897--------	3.51	2.72	2.51	2.96	5.30	2.98	9.52	3.14	1.64	0.72	4.44	4.83	44.27
1898--------	3.95	4.06	2.92	3.23	5.55	1.28	4.76	3.12	1.28	6.14	5.90	2.93	45.12
1899--------	4.08	5.46	6.78	1.23	1.14	1.83	6.20	3.90	5.89	2.05	2.13	1.37	42.06
1900--------	4.18	5.16	3.18	2.06	4.05	3.36	4.33	2.69	2.36	4.17	4.26	1.98	41.78
1901--------	2.07	0.86	5.18	6.82	7.01	0.94	5.41	6.88	2.33	2.20	1.31	6.05	47.06
1902--------	2.28	5.78	4.32	3.51	1.23	5.91	3.12	3.29	3.59	6.66	1.19	6.19	47.07
1903--------	3.44	3.83	3.65	2.88	0.33	7.42	3.23	5.96	2.60	11.55	0.90	2.81	48.60
1904--------	3.38	2.18	3.44	3.94	1.61	2.70	4.31	7.13	3.18	3.21	2.62	3.87	41.57
1905--------	3.93	2.79	3.65	2.45	1.12	4.18	6.01	5.23	7.11	2.67	1.67	3.67	44.48
1906--------	2.98	2.57	5.58	5.78	4.67	1.70	3.21	3.68	2.54	4.30	1.28	3.53	41.82
1907--------	3.26	2.52	3.80	3.89	4.08	3.29	1.18	2.48	8.00	3.82	5.05	3.91	45.28
1908--------	3.84	5.36	2.15	1.82	9.10	1.70	4.33	5.65	1.60	1.92	0.75	3.21	41.43
1909--------	3.33	4.31	3.19	5.93	1.72	3.17	1.98	7.94	2.66	0.74	1.58	5.00	41.55
1910--------	5.61	4.07	0.86	4.53	1.66	5.10	0.23	2.13	1.43	3.79	4.62	1.95	35.98
1911--------	2.27	3.17	2.87	3.06	0.91	4.63	1.55	7.38	1.51	5.38	4.22	3.39	40.34
1912--------	1.86	2.06	5.68	3.61	3.94	1.17	3.26	2.77	3.38	4.32	2.21	4.24	38.50
1913--------	2.77	2.18	5.17	5.32	2.51	1.43	3.02	1.84	5.28	10.56	1.91	2.40	44.39
1914--------	3.69	3.27	4.55	2.67	1.97	1.83	5.13	2.18	0.20	1.92	2.08	4.01	33.50
1915--------	5.61	5.03	1.14	2.10	3.23	3.66	4.60	5.37	2.52	2.25	1.09	4.23	40.83

Table 15. Total Precipitation*, Inches, New York, City Office - Cont'd.

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1916--------	1.08	4.49	3.71	3.28	3.49	3.94	3.44	0.59	2.98	0.63	1.57	3.97	33.17
1917--------	2.44	1.70	3.38	2.35	3.29	5.57	5.96	1.79	2.74	5.68	0.68	3.70	39.28
1918--------	3.41	1.98	1.51	3.78	3.37	4.12	3.61	1.70	3.54	0.83	2.04	3.70	33.59
1919--------	3.35	3.45	4.69	2.55	3.81	2.23	7.93	7.74	3.60	3.17	3.33	2.53	48.38
1920--------	2.23	6.56	4.16	4.44	2.88	6.19	4.78	4.91	3.24	0.77	3.56	5.09	48.81
1921--------	1.65	4.90	2.21	2.88	3.45	3.25	3.10	3.87	2.96	0.74	3.48	1.89	34.38
1922--------	2.46	2.97	4.35	1.96	3.24	7.86	6.55	5.32	3.05	1.17	1.16	3.29	43.38
1923--------	5.97	2.33	4.08	2.07	1.58	1.86	4.68	1.12	2.34	4.65	2.26	3.78	36.72
1924--------	3.56	3.84	1.65	4.53	5.23	2.74	1.30	6.99	3.16	0.30	2.04	2.38	37.72
1925--------	5.30	1.92	3.25	1.73	2.43	2.31	6.05	1.64	1.87	4.13	2.56	3.33	36.52
1926--------	2.52	5.46	2.52	1.76	2.45	2.47	7.47	7.57	5.51	5.11	3.12	3.72	49.68
1927--------	1.95	3.33	1.18	2.66	3.67	3.13	5.93	8.05	3.84	8.82	3.95	3.39	49.90
1928--------	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
1929--------	2.67	4.30	3.51	5.76	3.64	2.30	0.98	1.45	4.05	5.16	2.08	3.23	39.13
1930--------	2.58	3.40	2.16	2.01	2.89	2.60	5.05	3.43	1.37	1.76	5.43	2.65	35.33
1931--------	2.43	2.44	4.74	3.30	3.93	4.00	4.55	3.26	1.15	2.87	0.61	2.22	35.50
1932--------	4.23	2.38	5.52	2.69	1.81	3.57	0.85	2.72	1.56	5.03	5.87	2.62	38.85
1933--------	1.53	2.98	5.89	4.49	5.93	2.55	2.77	9.21	8.17	1.98	0.85	3.33	49.68
1934--------	3.35	2.80	4.40	3.16	4.05	3.21	5.67	1.74	10.19	2.27	1.69	2.43	44.96
1935--------	4.08	3.01	2.57	1.61	1.33	3.64	3.55	1.43	4.48	2.52	3.20	1.22	32.64
1936--------	6.82	2.41	3.97	3.13	2.57	4.17	2.37	3.68	5.07	4.05	1.06	7.03	46.33
1937--------	6.01	1.87	2.98	5.00	2.64	3.07	4.41	7.92	4.04	4.12	4.12	1.95	48.13
1938--------	3.37	2.24	2.34	3.02	3.49	7.59	6.41	1.99	8.77	1.63	3.37	2.18	46.40
1939--------	3.80	5.97	4.81	3.90	0.56	3.98	0.44	4.37	1.21	3.96	1.47	1.22	35.69
1940--------	1.96	3.33	4.49	5.41	6.84	3.11	2.50	5.06	3.22	2.67	3.91	2.53	45.03
1941--------	3.33	3.31	2.52	3.12	1.52	4.04	4.60	5.32	0.11	1.43	2.78	4.12	36.20
1942--------	3.17	2.94	6.76	1.40	1.84	5.69	6.24	7.01	3.82	1.91	4.47	4.31	49.56
1943--------	3.22	1.67	3.86	2.25	4.71	3.17	3.87	2.95	2.17	9.24	1.97	1.42	40.50
1944--------	5.32	2.20	6.62	5.05	1.54	3.38	2.20	3.08	8.61	3.44	7.14	3.16	51.74
1945--------	3.25	3.01	2.23	3.02	5.70	4.42	5.09	2.25	5.38	1.99	4.96	4.44	45.74
1946--------	1.79	1.74	3.31	1.28	5.85	4.91	4.45	3.52	2.41	0.79	1.37	2.45	33.87
1947--------	3.20	2.35	2.77	5.51	4.86	3.20	2.72	8.77	2.69	2.32	6.50	3.87	48.76
1948--------	4.83	2.49	3.71	3.38	8.82	6.85	7.52	3.21	1.13	2.44	3.33	6.52	54.23
1949--------	5.63	3.70	1.97	3.84	4.11	0.16	3.37	3.87	2.92	2.03	1.07	2.03	34.70
1950--------	2.42	4.15	3.87	2.04	2.50	1.67	4.69	5.29	1.45	1.37	4.60	4.67	38.72
1951--------	3.38	3.21	5.13	2.09	5.33	2.70	5.10	1.46	0.73	4.85	7.27	3.99	45.24
1952--------	4.76	2.46	4.21	5.80	6.52	3.54	4.33	5.87	1.96	0.72	2.92	3.62	46.71
1953--------	5.22	2.33	7.91	5.99	4.17	1.42	4.12	3.15	1.61	3.92	2.41	4.01	46.26
1954--------	1.77	1.63	3.02	2.51	3.30	1.52	0.71	6.58	6.30	2.22	4.60	3.93	38.09
1955--------	0.81	2.48	4.65	2.39	1.80	2.17	0.37	13.82	2.27	7.61	4.18	0.21	42.76
1956--------	2.29	4.65	5.16	3.24	2.20	3.45	3.50	2.85	1.84	4.26	2.99	4.15	40.58
Mean Total Precipitation (Inches) - By Decades													
1831-1840---	2.50	1.98	2.51	3.30	3.18	3.60	3.93	2.70	3.10	2.95	2.74	2.43	34.92
1841-1850---	2.37	2.08	2.51	2.18	4.18	3.24	3.83	4.56	3.14	3.37	3.44	3.09	37.99
1851-1860---	3.21	2.84	2.51	4.05	4.06	2.88	3.66	4.26	3.60	1.97	3.74	3.94	40.72
1861-1870---	3.58	4.20	3.72	3.08	3.94	3.91	3.87	4.23	3.21	4.11	4.14	3.17	45.16
1871-1880---	3.08	2.80	4.21	3.53	2.61	3.01	5.05	5.46	3.13	3.25	3.83	2.85	42.81
1881-1890---	4.70	4.73	3.98	3.27	3.49	3.80	4.08	4.04	4.75	3.67	3.69	3.86	48.06
1891-1900---	4.02	4.26	3.93	2.72	3.64	2.60	4.44	3.79	2.85	3.33	4.03	2.83	42.44
1901-1910---	3.41	3.43	3.58	4.16	3.25	3.61	3.30	5.04	3.50	4.09	2.10	4.02	43.49
1911-1920---	2.87	3.39	3.69	3.32	2.94	3.48	4.33	3.63	2.90	3.55	2.27	3.36	39.73
1921-1930---	3.01	3.68	2.74	3.01	3.06	3.46	4.88	4.37	3.15	3.31	2.82	2.85	40.34
1931-1940---	3.76	2.94	4.17	3.57	3.32	3.89	3.35	4.14	4.79	3.11	2.62	2.67	42.33
1941-1950---	3.62	2.76	3.76	3.09	4.14	3.75	4.48	4.53	3.07	2.70	3.82	3.70	43.42
Mean Total Precipitation (Inches) For Period of Record, 131 years													
1826-1956	3.31	3.27	3.54	3.56	3.49	3.45	4.05	4.34	4.31	3.37	3.38	3.26	39.39
Normal Precipitation, New York, City Office													
1921-1950---	3.46	3.13	3.56	3.22	3.51	3.70	4.24	4.34	3.67	3.04	3.09	3.07	42.03
Highest Monthly and Annual Total Precipitation (Inches)													
Highest-----	7.45	7.81	7.91	11.19	9.10	12.53	9.63	14.22	14.51	11.55	9.82	7.15	59.68
Year--------	1862	1893	1953	1854	1908	1826	1889	1826	1882	1903	1889	1859	1859
Lowest Monthly and Annual Total Precipitation (Inches)													
Lowest------	0.10	0.55	0.37	0.30	0.19	0.16	0.23	0.59	0.11	0.06	0.61	0.21	28.78
Year--------	1849	1857	1854	1862	1826	1949	1910	1916	1941	1853	1931	1955	1835

* This table shows total precipitation amounts, including rain and water melted from frozen precipitation, as observed in the area (not adjusted to a single location) as follows:

1. Record from 1826 through 1864 made at Jamaica, N. Y.;
2. Record from 1865 through 1870, at 86th St. Reservoir, N. Y.;
3. Record from 1871 to present, at New York, City Office.

PRECIPITATION

Table 15. Total Precipitation*, Inches, New York, Central Park.

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1869--------	2.53	6.87	4.61	1.39	4.15	4.40	3.20	1.76	2.81	6.48	2.03	5.02	45.25
1870--------	4.41	2.83	3.33	5.11	1.83	2.82	3.76	3.07	2.52	4.97	2.42	2.18	39.25
1871--------	2.07	2.72	5.54	3.03	4.04	7.05	5.57	5.60	2.34	7.50	3.56	2.24	51.26
1872--------	1.88	1.29	3.74	2.29	2.68	2.93	7.83	6.29	2.95	3.35	4.08	3.18	42.49
1873--------	5.34	3.80	2.09	4.16	3.69	1.28	4.61	9.56	3.14	2.73	4.63	2.96	47.99
1874--------	5.33	2.04	2.12	8.77	2.24	2.78	5.06	2.43	8.24	1.70	2.30	2.82	45.83
1875--------	3.17	2.62	3.48	3.08	1.33	2.72	4.89	8.97	1.89	2.85	3.78	2.12	40.90
1876--------	0.94	4.81	8.79	3.06	3.03	2.66	3.65	2.28	5.28	1.42	3.31	2.54	41.77
1877--------	2.62	1.24	5.56	2.73	0.95	2.80	5.73	2.77	1.33	8.14	5.62	0.68	40.17
1878--------	4.46	3.75	3.27	1.97	3.19	3.08	4.62	7.97	4.05	2.43	4.73	5.14	48.66
1879--------	2.63	2.02	3.41	4.33	2.02	3.15	3.58	7.95	2.37	0.43	2.20	4.92	39.01
1880--------	2.14	2.12	4.66	2.90	0.62	1 14	8.52	5.23	1.90	2.70	2.46	2.27	36.66
1881--------	4.80	4.93	5.81	0.95	3.20	5.35	1.25	0.86	0.97	1.60	2.36	4.18	36.26
1882--------	5.05	3.43	2.53	1.64	4.20	2.52	3.21	1.14	16.85	1.51	1.24	1.95	45 27
1883--------	2.68	4.21	1.49	3.71	2.83	3.32	3.21	1.82	3.25	4.53	1.52	3.20	35 77
1884--------	5.22	4.92	4.62	2.82	3.74	4.98	4.74	7.90	0.21	3.75	3.18	6.17	52 23
1885--------	3.06	4.56	0.90	2.19	1.86	1.32	3.59	5.67	0.41	5.18	4.17	2.46	35.37
1886--------	3.91	4.89	2.83	3.85	5.40	3.35	2.75	0.95	1.17	3.07	4.42	2.79	39.38
1887--------	4.42	5.96	3.07	2.79	0.34	7.76	5.29	3.59	1.93	2.43	2.02	4.39	43.99
1888--------	4.96	3.49	4.62	2.89	5.62	2.60	1.53	7.66	8.16	4.33	4.04	3.42	53.32
1889--------	4.97	2.21	2.64	5.47	2.89	2.39	11.89	3.28	6.92	2.61	9.97	1.92	57 16
1890--------	2.29	3.41	5.50	1.85	3.45	4.67	4.49	4.37	4.63	6.56	0.71	3.70	45.63
1891--------	6.12	4.12	3.61	2.38	2.45	1.48	3.94	4.51	2.49	2.60	2.30	3.55	39.55
1892--------	4.69	0.94	3.49	2.02	4.22	2.78	3.21	4.16	1.06	0.59	7.14	1.30	35.60
1893--------	2.33	6.14	3.54	5.19	4.77	2.59	1.13	8.72	1.92	5.30	3.55	3.08	48 26
1894--------	2.01	3.93	1.35	2.19	3.73	0.98	2.21	1.17	8.68	5.96	4.15	4.65	41 01
1895--------	5.01	0.46	2.26	3.31	2.02	2.47	4.54	4.16	0.62	4.21	3.83	2.48	35 37
1896--------	0.96	6.83	5.28	1.27	2.51	5.72	7.41	1.53	4.74	1.74	2.84	1 13	41.96
1897--------	3.00	2.52	2.39	2.67	5.77	2.95	9.56	3.77	1.81	0.72	4.52	4.87	44.55
1898--------	4.26	4.22	2.78	3.25	6.72	1.25	4.41	3.47	1.70	6.05	6.72	3.07	47.90
1899--------	3.97	3.91	5.77	1.74	1.09	2.26	4.47	3.41	6.12	2.13	1.79	1.91	38.57
1900--------	4.22	5.38	3.49	2.02	3.72	2.20	3.21	4.52	2.50	3.56	4.36	2.01	41 19
1901--------	1.66	0.55	5.47	6.62	6.43	1.00	7.64	6.55	2.42	2.35	0.99	7.01	48.69
1902--------	2.27	5.39	4.84	3.03	1.35	6.48	5.59	4.30	4.31	7.16	1.28	6.77	52.77
1903--------	4.18	4.70	4.23	3.44	0.30	9.78	3.92	6.73	3.67	13.31	0.97	3.09	58.32
1904--------	2.97	2.21	3.57	3.80	1.88	2.95	4.95	7.85	4.31	2.99	2.20	1.96	41.64
1905--------	2.77	2.01	3.49	2.39	0.72	3.77	3.05	4.81	5.84	3.55	1.67	3.37	37.44
1906--------	2.69	2.47	5.04	5.90	5.53	1.26	4.54	1.43	2.49	4.19	1.06	3.58	40.18
1907--------	2.89	2.25	3.08	3.78	4.22	3.28	0.89	3.24	8.33	4.78	4 48	4.26	45.48
1908--------	3.76	5.86	2.38	2.27	8 51	1.27	3.80	6.01	1.91	1.38	0.71	3.19	41.05
1909--------	3.32	4.53	3.57	6.13	1.47	3.02	2.17	8.50	2.65	0.66	1.36	4.29	41.67
1910--------	4.64	3.15	1.02	5.00	1.49	6.03	0.49	1.07	1.42	3.23	4.30	1.88	33.72
1911--------	2.79	3.26	3.33	3.54	1.25	5.67	2.16	9.28	1.70	7.65	5.12	3.07	48.83
1912--------	2.56	2.73	7.70	3.53	5.40	1.57	2.56	2.75	4.14	4.10	3.53	5.01	45.40
1913--------	3.43	2.74	6.47	6.27	2.95	1.98	6 06	2.38	7.00	12.97	2.16	3.59	58.00
1914--------	5.27	3.33	4.74	3.34	2.35	2.06	5.47	2.54	0.29	2.23	3.31	5.24	40.17
1915--------	7.94	6.01	1.25	2.58	3.27	3.85	3.01	7.26	2.38	2.26	1.64	4.28	45.73
1916--------	1.28	4.76	3.70	3.28	4.35	4.56	4.55	0.54	3.45	1.04	2.14	4.25	37.90
1917--------	2.96	2.08	4.46	2.71	3.83	3.83	5.01	1.56	2.68	6.81	0.86	4.25	41 04
1918--------	3.53	2.47	1.67	4.65	4.83	4.61	4.36	2.43	2.92	0.78	2.41	3.61	38.27
1919--------	3.51	3.84	5.96	2.88	4.15	3.84	8.50	5.82	4.88	3.59	3.55	2.77	53.29
1920--------	2.09	6.41	4.75	5.28	3.23	5.02	6.20	3.91	4.76	1.25	4.14	6.16	53.20
1921--------	2.94	5.41	2.88	3.17	4.14	2.79	2.02	4.57	2.81	0.88	3.81	2.34	37.76
1922--------	2.73	3.35	5.52	2.02	3.76	6.88	7.49	2.86	3.42	1.48	1.29	3.86	44.66
1923--------	6.99	2.53	4.16	2.37	1.84	3.01	2.77	1.23	2.65	5.40	3.19	4.43	40.57
1924--------	4.90	4.35	2.08	6.05	6.34	2.78	0.89	5.84	3.58	0.28	2.16	2.47	41.72
1925--------	5.42	2.43	4.07	2.00	3.36	3.60	5.77	1.72	2.31	4.52	2.93	3.30	41.43
1926--------	2.85	5.37	2.66	1.73	2.42	1.71	6.38	7.28	4.78	4.87	3.78	4.00	47.83
1927--------	2.03	3.46	1.33	2.85	4.77	3.70	6.48	9.83	4.27	9.00	4.33	4.01	56.06
1928--------	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
1929--------	3.33	5.07	4.23	5.85	4.01	1.90	1.21	1.47	3.12	4.63	2.22	3.34	40.38
1930--------	2.37	3.24	2.23	2.30	3.43	2.92	6.61	4.32	1.47	1.71	5.62	2.73	38.95
1931--------	2.56	2.71	4.83	3.79	4.38	3.76	3.39	3.24	1.57	2.80	0.60	2.44	36.07
1932--------	4.45	2.70	5.82	2.34	2.95	4.36	1.42	3.20	1.22	5.58	7.38	2.51	43.93
1933--------	1.78	3.09	6.08	5.18	5.20	2.67	3.72	8.85	10.09	2.52	0.90	3.45	53.53
1934--------	3.42	3.01	4.47	3.45	5.19	3.68	4.24	2.77	11.96	2.82	2.17	2.66	49.84
1935--------	3.91	3.17	2.48	1.53	1.05	3.98	5.24	1.42	4.34	2.23	3.26	1.24	33.85
1936--------	7.54	2.68	5.45	3.30	2.97	4.62	1.89	3.99	4.82	3.90	1.14	7.53	49.83
1937--------	5.97	2.48	2.90	5.09	2.91	4.36	5.54	7.32	5.05	4.56	4.73	2.06	52.97
1938--------	3.99	1.97	2.22	3.38	3.36	7.13	5.82	3.92	9.06	1.75	3.27	2.62	48.49
1939--------	3.80	6.20	4.78	4.26	0.89	3.80	0.99	4.83	1.90	4.31	1.40	1.39	38.55
1940--------	2.61	2.63	4.73	5.46	7.61	3.01	3.30	4.13	2.82	2.43	3.55	2.79	45.07
1941--------	3.23	3.53	3.05	2.40	2.25	4.77	4.07	5.92	0.51	1.87	3.39	4.05	39.04
1942--------	2.88	2.53	5.91	1.09	1.78	3.59	7.15	9.08	4.23	1.98	3.72	4.57	48.51
1943--------	2.46	1.87	3.68	1.72	5.04	2.17	3.38	3.80	1.71	7.60	2.11	1.20	36.74
1944--------	3.20	1.73	5.98	4.75	1.18	3.35	1.83	1.84	10.30	2.32	5.96	2.57	45.01
1945--------	2.24	2.94	2.23	3.66	5.34	4.01	5.16	2.75	5.50	2.03	4.56	4.56	44.98
1946--------	1.86	1.76	3.21	1.43	6.80	3.36	5.12	6.68	4.02	0.85	1 66	1.61	38.36
1947--------	2.74	2.24	2.30	5.08	4.25	3.44	2.72	2.40	3.15	1.73	6.82	3.92	40.79
1948--------	4.74	2.52	3.51	3.26	7.58	5.52	4.51	2.99	1.28	1.51	3.17	6.28	46.87
1949--------	6.04	3.58	1.66	4.42	3.41	0.02	4.21	4.29	3.43	1.92	0.96	2.30	36.24
1950--------	2.26	4.44	2.73	1.66	2.66	2.18	4.24	4.97	1.48	1.71	4.24	4.32	36.89
1951--------	3.95	3.05	5.62	2.44	4.93	2.97	3.67	2.53	0.70	3.77	6.49	4.28	44.40
1952--------	4.55	1.38	4.00	5.05	4.78	3.64	3.32	4.63	2.05	0.94	3.05	4.12	41.51
1953--------	4.90	2.37	8.76	5.20	4.35	1.82	3.86	2.10	1.10	4.30	2.02	4.42	45.20
1954--------	1.65	1.81	3.25	2.70	3.10	1.32	0.96	6.09	4.75	1.99	4.93	3.03	35.58
1955--------	0.77	3.01	3.71	1.97	2.64	2.52	0.51	10.86	2.67	6.87	4.12	0.25	39.90
1956--------	1.54	4.18	5.03	2.78	2.20	2.99	3.50	2.56	2.32	3.61	2.62	3.29	36.62

Table 15. Total Precipitation*, Inches, New York, Central Park - Cont'd.

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
Mean Total Precipitation (Inches) - By Decades													
1871-1880---	3.06	2.64	4.27	3.63	2.38	5.34	5.41	5.91	3.35	3.33	3.67	2.89	45.88
1881-1890---	4.14	4.20	3.40	2.82	3.35	3.83	4.20	3.72	4.45	3.56	3.36	3.42	44.45
1891-1900---	3.66	3.85	3.40	2.60	3.70	2.47	4.41	3.94	3.16	3.29	4.12	2.81	41.41
1901-1910---	3.12	3.31	3.67	4.24	3.19	3.88	3.70	5.05	3.74	4.36	1.90	3.94	44.10
1911-1920---	3.52	3.76	4.40	3.81	3.56	3.70	4.79	3.85	3.42	4.27	2.89	4.22	46.19
1921-1930---	3.54	4.01	3.20	3.32	3.61	3.63	4.85	4.37	3.21	3.43	3.18	3.15	43.50
1931-1940---	4.00	3.06	4.38	3.78	3.65	4.14	3.56	4.37	5.28	3.29	2.84	2.87	45.22
1941-1950---	3.17	2.71	3.43	2 95	4.03	3.24	4.24	4.47	3.56	2.35	3.66	3.54	41.35
Mean Total Precipitation (Inches) For Period of Record, 88 years													
1869-1956---	3.48	3.42	3.86	3.39	3.44	3.42	4.25	4.44	3.64	3.54	3.23	3.35	43.46
Normal Precipitation, New York, Central Park													
1921-1950---	3.57	3.26	3.67	3.35	3.76	3.67	4.22	4.40	4.02	3.03	3.23	3.18	43.36
Highest Monthly and Annual Total Precipitation (Inches)													
Highest-----	7.94	6.87	8.79	8.77	8.51	9.78	11.89	10.86	16.85	13.31	9.97	7.53	58.32
Year--------	1915	1869	1876	1874	1908	1903	1889	1955	1882	1903	1889	1936	1903
Lowest Monthly and Annual Total Precipitation (Inches)													
Lowest------	0.77	0.46	0.90	0.95	0.30	0.02	0.49	0.54	0.21	0.28	0.60	0.25	33.72
Year--------	1955	1895	1885	1881	1903	1949	1910	1916	1884	1924	1931	1955	1910

* This table shows total precipitation amounts, including rain and water melted from frozen precipitation.

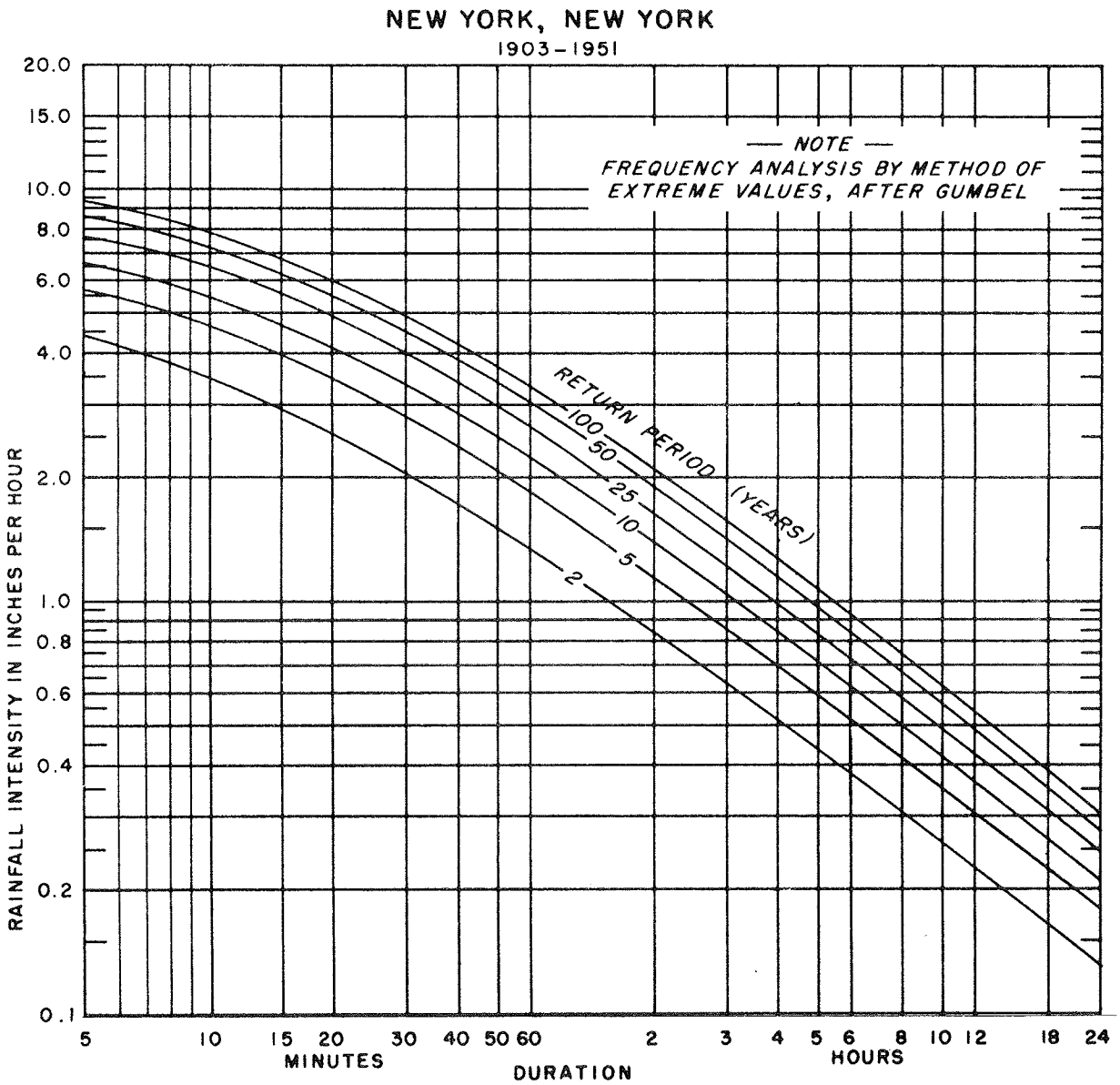
Table 15. Total Precipitation*, Inches - Cont'd.

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
New York, LaGuardia Airport													
1941--------	3.47	3.32	2.88	2.37	2.30	4.04	3.88	5.17	0.62	1.80	3.17	4.24	37.26
1942--------	2.79	2.87	6.91	1.21	2.45	3.46	7.65	7.54	2.85	2.06	3.56	4.86	48.21
1943--------	2.26	1.67	4.12	2.26	4.29	2.32	3.49	4.19	1.60	9.09	2.29	1.42	39.00
1944--------	3.74	2.14	6.62	5.16	1.22	3.28	3.47	3.69	8.04	3.26	5.95	3.38	49.95
1945--------	2.22	2.97	2.47	3.06	4.94	3.08	4.60	2.83	5.46	1.84	5.90	5.03	44.40
1946--------	1.94	2.06	3.97	1.75	5.58	4.24	4.71	6.81	4.10	0.91	1.64	2.42	40.13
1947--------	3.17	2.85	2.42	5.04	4.25	2.73	3.90	4.62	2.83	2.36	6.19	3.99	44.35
1948--------	4.38	2.50	3.58	3.23	7.42	5.93	5.02	3.84	1.17	1 61	2.72	5.31	46.71
1949--------	5.77	3.75	1.63	3.77	4.52	0.03	3.91	3.11	3.91	1.89	1.03	2.16	35.48
1950--------	2.50	4.20	3.25	1.92	2.47	2.40	5.41	4.88	2.02	2.13	6.61	5.00	42.79
1951--------	4.27	4.03	6.98	2.56	5.46	2.64	3.89	2.97	1.01	4.42	7.92	5.25	51.40
1952--------	5.51	2.61	5.30	6.58	5.61	3.83	4.66	6.44	2.45	0.86	2.93	4.57	51.35
1953--------	5.50	2.56	8.73	6.06	4.37	1.77	4.65	3.03	1.88	5.25	2.58	4.81	51.19
1954--------	1.91	1.89	3.80	3.44	3.68	1.48	0.69	7.86	5.25	2.29	5.97	4.42	42.68
1955--------	0.85	3.16	4.75	2.73	1.82	2.02	0.82	16.05	2.73	7.14	4.50	0.31	46.88
1956--------	1.73	4.84	4.76	3.31	2.59	2.76	4.15	3.06	2.11	4.94	2.89	4.07	41.21
Mean Total Precipitation (Inches) - By Decades													
1941-1950---	3.22	2.83	3.79	2.98	3.94	3.15	4.60	4.67	3.26	2.70	3.91	3.78	42.83
Mean Total Precipitation (Inches) For Period of Record, 16 years													
1941-1956---	3.25	2.96	4.51	3.40	3.94	2.88	4.06	5.38	3.00	3.24	4.12	3.83	44.57
Normal Precipitation, New York, LaGuardia Airport (adjusted to present location)													
1921-1950---	3.19	3.04	3.50	3.10	3.33	3.38	4.12	4.27	3.55	2.91	2.99	3.00	40.38
Highest Monthly and Annual Total Precipitation (Inches)													
Highest-----	5.77	4.84	8.73	6.58	5.61	5.93	7.65	16.05	8.04	9.09	7.92	5.31	16.05
Year--------	1949	1956	1953	1952	1952	1948	1942	1955	1944	1943	1951	1948	1955
Lowest Monthly and Annual Total Precipitation (Inches)													
Lowest------	0.85	1.67	1.63	1.21	1.22	0.03	0.69	2.83	0.62	0.86	1.03	0.31	0.03
Year--------	1955	1943	1949	1942	1944	1949	1954	1945	1941	1952	1949	1955	1949
Newark Airport, N. J.													
1931--------	2.50	2.34	3.83	1.94	3.86	3.54	2.63	2.63	1.19	2.65	0.37	1.71	29.19
1932--------	3.53	1.82	5.73	2.65	1.61	3.83	0.84	2.58	2.12	4.38	6.97	1.89	37.95
1933--------	1.94	2.60	5.02	5.39	3.93	2.26	2.87	7.48	8.33	1.66	0.70	2.85	45.03
1934--------	3.23	2.01	4.62	2.99	4.38	3.94	2.77	2.03	8.15	2.75	1.12	2.54	40.53
1935--------	2.85	2.50	2.05	1.48	1.01	3.49	3.12	2.15	4.17	2.68	2.97	1.06	29.53
1936--------	6.28	2.50	4.24	2.63	2.02	5.74	2.40	3.52	4.05	4.30	0.94	6.63	45.25
1937--------	6.25	1.88	2.78	5.17	2.35	3.62	2.60	6.72	3.21	4.56	4.01	1.72	44.87
1938--------	3.48	1.78	2.11	2.91	2.63	5.49	7.96	1.92	6.29	1.77	3.69	2.73	42.76
1939--------	3.53	5.88	4.55	4.00	0.78	4.06	1.71	3.83	1.14	4.20	1.41	1.45	36.54
1940--------	2.52	2.77	4.77	5.95	8.10	3.60	2.63	4.36	3.51	2.32	2.76	3.11	47.40
1941--------	3.15	2.82	2.59	2.93	0.98	4.59	4.08	6.20	0.14	2.03	2.87	3.92	36.30
1942--------	3.27	2.49	5.54	1.15	2.43	3.39	5.86	8.46	5.55	2.43	4.33	4.37	49.27
1943--------	2.80	1.98	3.61	2.50	6.16	3.12	4.64	3.89	2.65	8.20	2.36	1.47	43.38
1944--------	4.45	2.46	6.45	4.85	1.55	3.52	2.43	2.29	10.28	2.35	7.41	2.96	51.00
1945--------	2.94	2.96	2.63	2.89	5.53	4.17	6.15	2.62	5.98	3.35	5.01	4.33	48.56
1946--------	1.68	1.46	3.16	1.20	7.28	5.25	5.85	5.21	4.13	1.03	1.57	2.38	40.20
1947--------	3.32	2.59	2.18	5.31	5.38	3.69	2.25	4.82	3.98	2.20	7.37	3.78	46.87
1948--------	4.58	2.25	3.74	3.33	8.12	6.19	6.88	4.35	1.14	1.89	2.96	5.84	51.27
1949--------	6.33	3.69	1.95	4.13	4.01	0.07	2.95	2.66	3.06	1.59	1.15	2.47	34.06
1950--------	2.42	3.92	3.98	1.96	2.58	2.35	5.41	6.05	1.75	1.42	5.07	4.66	41.57
1951--------	4.06	3.62	5.83	3.12	5.16	2.65	4.83	2.56	0.95	4.21	6.75	4.85	48.59
1952--------	4.92	2.35	4.94	6.01	5.96	6.01	4.11	6.68	3.62	0.89	3.41	4.40	53.30
1953--------	5.57	2.75	8.49	6.07	4.21	1.79	2.77	1.91	1.25	3.50	1.56	3.85	43.72
1954--------	1.36	2.07	3.38	2.58	3.66	0.85	1.45	6.37	5.80	1.75	4.79	2.89	36.95
1955--------	0.81	2.89	4.06	2.25	2.30	2.94	1.14	11.84	2.29	6.70	3.06	0.27	40.55
1956--------	1.50	4.47	6.29	3.04	2.45	3.31	4.99	3.08	2.10	3.83	3.98	3.22	42.26
Mean Total Precipitation (Inches) - By Decades													
1931-1940---	3.61	2.61	3.97	3.51	3.07	3.96	2.95	3.72	4.22	3.13	2.49	2.57	39.81
1941-1950---	3.49	2.66	3.58	3.03	4.40	3.63	4.65	4.66	3.87	2.65	4.01	3.62	44.25
Mean Total Precipitation (Inches) For Period of Record, 26 years													
1931-1956---	3.43	2.73	4.17	3.40	3.78	3.59	3.66	4.46	3.72	3.02	3.40	3.12	42.48
Normal Precipitation, Newark Airport, N. J. (adjusted to present location)													
1921-1950---	3.60	3.10	3.78	3.27	3.73	3.80	4.20	4.19	3.89	3.20	3.10	3.10	42.96
Highest Monthly and Annual Total Precipitation (Inches)													
Highest-----	6.33	5.88	8.49	6.07	8.12	6.19	7.96	11.84	10.28	8.20	7.41	6.63	53.30
Year--------	1949	1939	1953	1953	1948	1948	1938	1955	1944	1943	1944	1936	1952
Lowest Monthly and Annual Total Precipitation (Inches)													
Lowest------	0.81	1.46	1.95	1.15	0.78	0.07	0.84	1.91	0.14	0.89	0.37	0.27	29.53
Year--------	1955	1946	1949	1942	1939	1949	1932	1953	1941	1952	1931	1955	1935

* This table shows total precipitation amounts, including rain and water melted from frozen precipitation

GRAPH B

RAINFALL INTENSITY - DURATION - FREQUENCY CURVES



This graph is for use in estimating runoff and the frequency of various rainfall intensities in the New York City area. For example: Rain lasting 5 hours at the average rate of 0.8 inch per hour can be expected about once in 23 years, while approximately once in 25 years a rain of intensity 4.0 inches per hour can be expected to last for 30 minutes.

Source: Weather Bureau Technical Paper No. 25. Rainfall Intensity-Duration-Frequency Curves. December 1955.
(Hydrologic Services Division.)

PRECIPITATION

Table 16. Maximum Precipitation, Inches, by Time Intervals (1871-1955) New York, City Office.

Month		DURATION									
		5 Min.	10 Min.	15 Min.	30 Min.	1 Hr.	2 Hrs.	3 Hrs.	6 Hrs.	12 Hrs.	24 Hrs.
January	Amt.....	0.22	0.25	0.28	0.47	0.70	0.94	1.13	1.38	2.02	3.42
	Date.....	31/1942	31/1942	6/1939 31/1942	31/1942	1/1923	1/1923	1/1923	4/1944	3-4/1944	3-4/1944
February	Amt.....	0.31	0.43	0.45	0.50	0.72	1.19	1.42	2.10	2.70	3.25
	Date.....	26/1912	26/1912	26/1912	26/1912	7/1941	7/1941	7/1941	7/1941	7/1941	11-12/1886
March	Amt.....	0.38	0.52	0.63	0.90	1.20	1.32	1.52	2.18	2.71	3.60
	Date.....	23/1929	23/1929	23/1929	23/1929	23/1929	23/1929	28/1932	1/1914	1/1914	25-26/1876
April	Amt.....	0.34	0.35	0.36	0.61	0.74	0.92	1.20	1.75	2.34	3.72
	Date.....	14/1952	14/1952	14/1952	21/1927	21/1927	21/1927	14/1893	8/1940	9-10/1906	5-6/1886
May	Amt.....	0.39	0.61	0.74	0.77	1.11	1.89	2.35	2.73	3.76	4.18
	Date.....	14/1949	17/1948	17/1948	27/1906	31/1940	31/1940	31/1940	31/1940	7/1908	7-9/1908
June	Amt.....	0.50	0.76	1.02	1.74	2.15	3.50	3.66	3.86	3.86	3.88
	Date.....	17/1916 24/1920	7/1942	7/1942	7/1942	7/1942	14/1917	14/1917	14/1917	14/1917	14-15/1917
July	Amt.....	0.74	1.26	1.63	2.09	2.30	2.56	2.84	2.93	3.11	3.80
	Date.....	10/1905	10/1905	10/1905	10/1905	10/1905	10/1905	21/1948	16/1927	13-14/1948	26/1872
August	Amt.....	0.75	1.20	1.55	2.34	2.97	3.52	3.65	3.69	4.59	6.71
	Date.....	12/1926	12/1926	12/1926	12/1926	26/1947	26/1947	26/1947	26/1947	11-12/1955	11-12/1955
September	Amt.....	0.48	0.85	1.04	1.43	2.00	2.82	3.22	3.77	4.25	6.17
	Date.....	13/1944	13/1944	13/1944	8/1934	4-5/1913	4-5/1913	17/1890	17/1890	18/1894	23/1882
October	Amt.....	0.44	0.77	1.05	1.64	2.26	3.34	3.80	4.44	6.30	9.40
	Date.....	1/1913	1/1913	1/1913	1/1913	1/1913	1/1913	1/1913	1/1913	8-9/1903	8-9/1903
November	Amt.....	0.24	0.33	0.42	0.52	0.68	0.93	1.16	2.12	2.62	3.62
	Date.....	17/1918	12/1947 4/1950	4/1950	12/1947 4/1950	1/1942	12/1947	12/1947	8/1898	3/1910	15-16/1892
December	Amt.....	0.16	0.27	0.39	0.52	0.96	1.15	1.39	2.30	2.95	3.23
	Date.....	4/1950	4/1950	4/1950	13/1941	8/1917	8/1917 13/1941	13/1941	13/1941	13/1941	13-14/1941
	Greatest Amt.....	0.75	1.26	1.63	2.34	2.97	3.52	3.80	4.44	6.30	9.40

Graph B gives useful related information.

Table 17. Distribution* of Precipitation Totals, Inches.

Month	Percentage of time Totals will be Less than indicated values				
	95%	75%	50%	25%	5%
New York, City Office (1826-1955)					
January-------	5.97	4.76	3.35	2.43	1.21
February------	5.90	4.36	3.17	2.33	1.45
March---------	6.76	4.65	3.71	2.52	1.19
April---------	5.93	3.94	3.06	2.36	1.28
May----------	6.53	4.21	3.24	1.97	0.82
June----------	7.14	4.12	3.07	2.17	1.17
July----------	7.72	5.26	4.12	2.77	0.71
August--------	8.56	6.13	3.87	2.48	1.43
September-----	8.21	4.04	2.66	1.61	0.72
October-------	7.69	4.27	2.67	1.76	0.63
November------	6.50	4.40	2.87	1.80	0.82
December------	6.05	4.05	3.33	2.22	1.22
Annual--------	52.95	46.71	42.06	38.50	33.59
New York, Central Park (1869-1955)					
January-------	6.04	4.46	3.17	2.38	1.28
February------	6.14	4.44	3.09	2.43	1.24
March---------	6.08	4.78	3.54	2.66	1.33
April---------	6.05	4.33	3.06	2.29	1.39
May----------	6.72	4.35	3.27	2.07	0.72
June----------	7.04	4.01	3.01	2.39	1.25
July----------	8.50	5.29	4.07	3.01	0.89
August--------	9.08	6.01	3.99	2.43	1.07
September-----	9.06	4.63	2.81	1.89	0.51
October-------	7.65	4.56	2.73	1.73	0.66
November------	6.72	4.17	3.18	2.02	0.86
December------	6.17	4.26	3.18	2.34	1.13
Annual--------	53.53	47.83	41.77	39.01	35.37

Month	Percentage of time Totals will be Less than indicated values				
	95%	75%	50%	25%	5%
New York, LaGuardia Airport (1941-1955)					
January-------	5.51	4.27	3.17	2.22	0.85
February------	4.03	3.16	2.85	2.14	1.67
March---------	6.98	5.30	3.97	2.88	1.63
April---------	6.06	3.77	3.06	2.26	1.21
May----------	5.61	4.94	4.29	2.45	1.22
June----------	4.24	3.46	2.73	2.02	0.03
July----------	5.41	4.66	3.90	3.47	0.69
August--------	7.86	6.44	4.62	3.11	2.83
September-----	5.46	3.91	2.73	1.60	0.62
October-------	7.14	3.26	2.13	1.80	0.86
November------	6.61	5.95	3.56	2.58	1.03
December------	5.25	4.86	4.24	2.42	0.31
Annual--------	51.35	48.21	44.40	40.13	35.48
Newark Airport, N. J. (1931-1955)					
January------	6.28	4.45	3.27	2.52	0.81
February-----	3.92	2.82	2.49	2.01	1.46
March--------	6.45	4.94	3.83	2.63	1.95
April--------	6.01	4.85	2.91	2.25	1.15
May----------	8.10	5.38	3.66	2.02	0.78
June---------	6.01	4.17	3.54	2.65	0.07
July---------	6.88	4.64	2.77	2.40	0.84
August-------	8.46	6.20	3.83	2.56	1.91
September----	8.33	5.55	3.21	1.25	0.14
October------	6.70	4.20	2.35	1.75	0.89
November-----	7.37	4.79	2.96	1.41	0.37
December-----	5.84	4.33	2.85	1.72	0.27
Annual-------	51.00	46.87	42.76	36.95	29.53

Data compiled from Table 15.

* Percentage of precipitation totals less than stated values. For example, precipitation in June at the New York City Office will be less than 2.17 inches 25% of the time; and less than 2.65 inches 25% of the time at Newark Airport, N. J.

Table 18. Total Snowfall*, Inches, New York, City Office.

Season	July	August	September	October	November	December	January	February	March	April	May	June	Total
1884-1885-----	0	0	0	0	T	9.4	4.6	16.7	5.9	T	0	0	36.6
1885-1886-----	0	0	0	T	0.1	0.3	18.6	4.7	0.2	T	0	0	23.9
1886-1887-----	0	0	0	0	T	21.9	9.3	11.9	2.3	4.1	0	0	49.5
1887-1888-----	0	0	0	0	0.3	9.0	11.7	3.5	22.1	T	0	0	46.6
1888-1889-----	0	0	0	0	0.9	T	3.0	7.0	11.0	0	0	0	21.9
1889-1890-----	0	0	0	0	0.1	7.5	T	4.0	21.3	1.2	0	0	34.1
1890-1891-----	0	0	0	0	T	19.3	11.9	4.2	4.3	T	T	0	39.7
1891-1892-----	0	0	0	0	T	T	13.1	0.5	19.9	3.0	0	0	36.5
1892-1893-----	0	0	0	0	12.3	3.4	20.3	32.0	6.6	3.0	0	0	77.6
1893-1894-----	0	0	0	0	0	8.0	10.2	37.9	T	T	0	0	56.1
1894-1895-----	0	0	0	0	0.7	8.2	12.3	8.2	5.8	1.0	0	0	36.2
1895-1896-----	0	0	0	0	T	T	3.0	8.8	28.5	1.7	0	0	42.0
1896-1897-----	0	0	0	0	3.8	12.6	11.7	8.8	2.2	T	0	0	39.1
1897-1898-----	0	0	0	0	1.5	2.9	8.7	2.5	1.9	2.6	0	0	20.1
1898-1899-----	0	0	0	0	14.9	1.1	6.1	27.5	9.6	T	0	0	58.3
1899-1900-----	0	0	0	0	T	0.2	0.8	11.4	7.7	T	0	0	20.1
1900-1901-----	0	0	0	0	T	0.5	2.9	5.8	T	0	0	0	9.2
1901-1902-----	0	0	0	0	0.6	1.1	9.4	13.4	6.8	0	0	0	31.3
1902-1903-----	0	0	0	0	0	9.6	5.9	10.5	0	T	0	0	26.0
1903-1904-----	0	0	0	T	T	7.7	15.2	5.6	4.4	0.1	0	0	33.0
1904-1905-----	0	0	0	0	0.5	27.8	19.3	7.2	3.0	T	0	0	57.8
1905-1906-----	0	0	0	0	T	0.7	3.0	5.0	13.4	T	0	0	22.1
1906-1907-----	0	0	0	T	T	0.5	10.9	21.1	13.8	6.1	0	0	52.4
1907-1908-----	0	0	0	0	T	4.4	10.6	13.7	3.5	T	0	0	32.2
1908-1909-----	0	0	0	0	0.6	5.1	10.2	1.4	4.7	0.5	0	0	22.5
1909-1910-----	0	0	0	0	2.4	11.4	17.3	6.7	0.4	0	0	0	38.2
1910-1911-----	0	0	0	0	T	8.9	1.1	12.5	2.8	0.7	0	0	26.0
1911-1912-----	0	0	0	0	1.0	7.3	9.6	1.8	5.3	T	0	0	25.0
1912-1913-----	0	0	0	0	0.8	11.8	0.3	2.5	0.1	T	0	0	15.5
1913-1914-----	0	0	0	0	0	0.3	1.2	17.4	21.5	T	0	0	40.4
1914-1915-----	0	0	0	0	0	2.7	4.0	4.5	7.7	10.2	0	0	29.1
1915-1916-----	0	0	0	0	T	8.7	1.0	13.1	25.5	3.3	0	0	51.6
1916-1917-----	0	0	0	0	T	13.8	6.1	12.3	11.7	6.5	0	0	50.4
1917-1918-----	0	0	0	0	0.3	12.1	13.6	3.5	0.8	3.3	0	0	33.6
1918-1919-----	0	0	0	0	0	0.5	0.3	0.7	2.0	T	0	0	3.5
1919-1920-----	0	0	0	0	T	8.0	8.0	33.1	6.3	T	0	0	55.4
1920-1921-----	0	0	0	0	T	1.5	2.8	13.8	T	0.1	0	0	18.2
1921-1922-----	0	0	0	0	T	7.3	10.9	8.0	3.5	0	0	0	29.7
1922-1923-----	0	0	0	0	1.0	7.0	21.9	17.9	7.4	T	0	0	55.2
1923-1924-----	0	0	0	0	0	1.2	2.6	11.5	3.0	8.0	0	0	26.3
1924-1925-----	0	0	0	0	T	0.9	26.2	0.8	T	T	0	0	27.9
1925-1926-----	0	0	0	0.4	0.2	0.9	3.5	29.6	1.2	T	0	0	35.8
1926-1927-----	0	0	0	T	T	10.9	5.8	4.8	0.2	0.2	0	0	21.9
1927-1928-----	0	0	0	0	T	2.4	3.1	4.0	4.8	T	0	0	14.3
1928-1929-----	0	0	0	T	T	2.3	1.7	9.0	0.3	T	0	0	13.3
1929-1930-----	0	0	0	T	T	5.7	4.1	3.7	T	T	0	0	13.5
1930-1931-----	0	0	0	0	T	4.2	0.7	3.8	1.0	T	0	0	9.7
1931-1932-----	0	0	0	T	1.2	T	1.0	2.2	0.7	T	0	0	5.1
1932-1933-----	0	0	0	0	0	9.4	T	11.5	3.6	T	0	0	24.5
1933-1934-----	0	0	0	0	0.5	13.7	0.2	30.1	8.5	T	0	0	53.0
1934-1935-----	0	0	0	T	T	T	20.9	6.7	2.0	T	0	0	29.6
1935-1936-----	0	0	0	0	1.8	7.6	12.3	9.8	1.2	0.1	0	0	32.8
1936-1937-----	0	0	0	T	1.9	T	4.5	3.6	1.9	T	0	0	11.9
1937-1938-----	0	0	0	T	0.6	0.7	6.2	T	1.2	5.2	0	0	13.9
1938-1939-----	0	0	0	0	12.5	1.1	9.5	3.9	4.9	T	0	0	31.9
1939-1940-----	0	0	0	0	T	3.8	3.9	9.8	3.3	1.4	0	0	22.2
1940-1941-----	0	0	0	T	1.6	3.8	7.8	3.4	18.4	0	0	0	35.0
1941-1942-----	0	0	0	0	T	0.4	6.2	1.2	0.9	1.5	0	0	10.2
1942-1943-----	0	0	0	0	T	7.6	9.5	3.9	6.6	T	0	0	27.6
1943-1944-----	0	0	0	0	T	0.1	5.6	10.8	4.7	4.8	0	0	26.0
1944-1945-----	0	0	0	T	T	5.9	13.2	7.5	0.1	0	0	0	26.7
1945-1946-----	0	0	0	0	2.8	15.6	2.5	5.7	T	T	T	0	26.6
1946-1947-----	0	0	0	0	0	2.0	5.3	20.6	5.3	T	0	0	33.2
1947-1948-----	0	0	0	0	T	29.0	15.1	13.3	4.1	0	0	0	61.5
1948-1949-----	0	0	0	T	T	23.7	4.8	10.3	4.2	0	0	0	43.0
1949-1950-----	0	0	0	0	0.5	1.2	T	6.6	0.5	1.6	0	0	10.4
1950-1951-----	0	0	0	0	T	3.4	5.2	1.5	0.8	0	0	0	10.9
1951-1952-----	T	T	0	0	T	3.4	3.1	1.7	6.2	T	0	0	14.4
1952-1953-----	0	0	0	T	1.0	4.3	2.7	0.2	0.9	T	T	0	9.1
1953-1954-----	0	0	0	0	3.7	T	13.3	T	T	0.1	0	0	17.1
1954-1955-----	0	0	0	0	0	T	2.9	5.3	2.7	T	0	0	10.9
1955-1956-----	0	0	0	0	T	2.8	1.5	2.2	20.6	2.7	0	0	29.8
Mean Snowfall (Length of Record - 72 Seasons)													
1885-1956-----	T	T	0	T	1.0	6.0	7.4	9.2	5.7	1.0	T	0	30.3

* Snowfall includes sleet and hail (prior to January 1956).

Table 18. Total Snowfall*, Inches, New York, Central Park.

Season	July	August	September	October	November	December	January	February	March	April	May	June	Total
1869-----							15.1	9.6	0.8	0	0	0	
1869-1870-----	0	0	0	0	0	5.3	1.1	9.3	9.6	2.5	0	0	27.8
1870-1871-----	0	0	0	0	0	3.0	15.9	12.1	0.1	2.0	0	0	33.1
1871-1872-----	0	0	0	0	0.3	3.9	1.8	3.0	5.1	T	0	0	14.1
1872-1873-----	0	0	0	0	3.5	27.0	10.6	18.8	0.4	0	0	0	60.3
1873-1874-----	0	0	0	0	2.0	9.3	6.6	19.0	T	0	0	0	36.9
1874-1875-----	0	0	0	0	0	0.1	14.5	4.5	15.3	13.5	0	0	47.9
1875-1876-----	0	0	0	0	0	0.5	1.5	12.5	3.8	0	0	0	18.3
1876-1877-----	0	0	0	0.5	0.1	12.4	20.5	0.4	6.5	0	0	0	40.4
1877-1878-----	0	0	0	0	T	0	6.1	2.0	0	0	0	0	8.1
1878-1879-----	0	0	0	0	0.1	5.5	17.3	11.3	1.5	0	0	0	35.7
1879-1880-----	0	0	0	0	2.5	5.4	2.5	4.0	8.3	0	0	0	22.7
1880-1881-----	0	0	0	0	1.4	11.5	11.5	8.8	2.3	0	0	0	35.5
1881-1882-----	0	0	0	0	T	1.3	17.5	9.3	2.8	0.5	0	0	31.4
1882-1883-----	0	0	0	0	14.0	0	9.4	10.1	10.0	0.5	0	0	44.0
1883-1884-----	0	0	0	0	0	22.5	10.3	8.0	2.3	0	0	0	43.1
1884-1885-----	0	0	0	0	0.4	10.6	4.6	14.5	4.1	T	0	0	34.2
1885-1886-----	0	0	0	0	0	T	13.5	5.3	1.0	1.0	0	0	20.8
1886-1887-----	0	0	0	0	T	10.3	6.6	9.0	2.0	5.0	0	0	32.9
1887-1888-----	0	0	0	0	0.3	9.0	11.0	3.0	22.3	0	0	0	45.6
1888-1889-----	0	0	0	0	1.5	0	4.0	7.0	4.0	0	0	0	16.5
1889-1890-----	0	0	0	0	0	6.0	0	1.0	17.0	0.3	0	0	24.3
1890-1891-----	0	0	0	0	0	11.4	10.0	5.3	2.1	T	0	0	28.8
1891-1892-----	0	0	0	0	0	0	12.3	0.1	12.0	1.0	0	0	25.4
1892-1893-----	0	0	0	0	6.3	3.0	16.0	17.8	6.1	0.5	0	0	49.7
1893-1894-----	0	0	0	0	0	5.3	9.3	20.5	0	1.0	0	0	36.1
1894-1895-----	0	0	0	0	0.5	4.0	9.5	9.0	4.0	T	0	0	27.0
1895-1896-----	0	0	0	0	0	0.3	3.0	9.5	30.5	3.0	0	0	46.3
1896-1897-----	0	0	0	0	5.0	13.0	11.3	11.0	3.3	0	0	0	43.6
1897-1898-----	0	0	0	0	2.3	4.0	9.0	1.3	2.0	2.5	0	0	21.1
1898-1899-----	0	0	0	0	19.0	1.5	5.3	25.3	4.8	0	0	0	55.9
1899-1900-----	0	0	0	0	T	0.1	1.0	6.5	5.8	0	0	0	13.4
1900-1901-----	0	0	0	0	0	0.1	2.0	7.0	T	0	0	0	9.1
1901-1902-----	0	0	0	0	0.1	1.5	6.1	15.8	6.5	0	0	0	30.0
1902-1903-----	0	0	0	0	0	14.4	4.5	9.8	0	0	0	0	28.7
1903-1904-----	0	0	0	0	0	6.3	15.5	5.0	5.4	T	0	0	32.2
1904-1905-----	0	0	0	0	0.5	21.6	18.4	5.8	1.8	0	0	0	48.1
1905-1906-----	0	0	0	0	0	1.0	1.5	6.0	11.5	0	0	0	20.0
1906-1907-----	0	0	0	0	1.0	0.3	11.0	21.8	13.3	5.8	0	0	53.2
1907-1908-----	0	0	0	0	T	5.3	10.0	14.6	3.5	0	0	0	33.4
1908-1909-----	0	0	0	0	1.0	2.9	11.3	0.8	4.3	T	0	0	20.3
1909-1910-----	0	0	0	0	0.8	9.0	11.1	5.0	1.3	0	0	0	27.2
1910-1911-----	0	0	0	0	T	6.6	1.3	13.3	3.5	0.5	0	0	25.2
1911-1912-----	0	0	0	0	1.0	8.5	13.0	2.5	4.5	T	0	0	29.5
1912-1913-----	0	0	0	0	0.8	11.4	0.3	2.6	0.2	T	0	0	15.3
1913-1914-----	0	0	0	0	T	0.3	1.3	17.4	21.5	T	0	0	40.5
1914-1915-----	0	0	0	0	0	2.6	3.8	4.5	7.7	10.2	0	0	28.8
1915-1916-----	0	0	0	0	T	8.1	0.7	13.1	25.5	3.3	0	0	50.7
1916-1917-----	0	0	0	0	T	14.5	5.8	12.2	11.7	6.5	0	0	50.7
1917-1918-----	0	0	0	0	0.3	14.1	13.2	3.7	0.6	2.6	0	0	34.5
1918-1919-----	0	0	0	0	0	0.3	0.3	0.5	2.7	T	0	0	3.8
1919-1920-----	0	0	0	0	T	8.8	8.2	25.3	5.3	T	0	0	47.6
1920-1921-----	0	0	0	0	T	1.7	3.5	13.3	T	0.1	0	0	18.6
1921-1922-----	0	0	0	0	T	7.3	9.4	7.2	3.9	0	0	0	27.8
1922-1923-----	0	0	0	0	1.0	8.0	24.5	18.8	8.1	T	0	0	60.4
1923-1924-----	0	0	0	0	0	1.5	2.5	11.9	3.1	8.5	0	0	27.5
1924-1925-----	0	0	0	0	T	0.9	27.4	1.3	T	T	0	0	29.6
1925-1926-----	0	0	0	0.8	0.1	0.9	3.1	26.3	1.2	T	0	0	32.4
1926-1927-----	0	0	0	T	T	11.7	5.7	4.6	0.2	0.1	0	0	22.3
1927-1928-----	0	0	0	0	T	2.1	2.7	4.0	5.7	T	0	0	14.5
1928-1929-----	0	0	0	T	T	2.0	2.3	9.3	0.2	T	0	0	13.8
1929-1930-----	0	0	0	T	T	6.3	3.5	3.8	T	T	0	0	13.6
1930-1931-----	0	0	0	0	T	5.7	0.5	3.6	1.8	T	0	0	11.6
1931-1932-----	0	0	0	0	2.0	0.1	0.8	1.8	0.6	T	0	0	5.3
1932-1933-----	0	0	0	0	0	9.4	T	12.8	4.8	T	0	0	27.0
1933-1934-----	0	0	0	0	0.5	14.9	0.1	27.9	8.6	0	0	0	52.0
1934-1935-----	0	0	0	T	T	1.0	23.6	7.2	2.0	T	0	0	33.8
1935-1936-----	0	0	0	0	2.7	6.6	12.1	10.3	1.5	T	0	0	33.2
1936-1937-----	0	0	0	T	3.2	T	6.5	3.4	2.5	T	0	0	15.6
1937-1938-----	0	0	0	T	0.8	0.7	6.5	T	0.7	6.4	0	0	15.1
1938-1939-----	0	0	0	0	12.8	1.7	10.3	5.5	7.0	T	0	0	37.3
1939-1940-----	0	0	0	0	T	3.1	3.5	12.0	5.3	1.8	0	0	25.7
1940-1941-----	0	0	0	T	2.2	3.0	9.2	5.4	19.2	0	0	0	39.0
1941-1942-----	0	0	0	0	0	0.3	6.4	1.9	0.5	2.2	0	0	11.3
1942-1943-----	0	0	0	0	T	8.5	9.5	4.4	7.1	T	0	0	29.5
1943-1944-----	0	0	0	0	T	T	4.8	7.7	4.8	6.5	0	0	23.8
1944-1945-----	0	0	0	T	T	6.7	12.3	8.1	T	0	0	0	27.1
1945-1946-----	0	0	0	0	3.7	15.6	4.2	7.9	T	T	T	0	31.4
1946-1947-----	0	0	0	0	0	1.3	5.5	17.7	6.1	T	0	0	30.6
1947-1948-----	0	0	0	0	T	29.6	15.3	13.6	4.7	0	0	0	63.2
1948-1949-----	0	0	0	0	T	25.3	6.4	10.7	4.2	0	0	0	46.6
1949-1950-----	0	0	0	0	0.5	1.1	0.4	8.5	1.4	1.9	0	0	13.8
1950-1951-----	0	0	0	0	T	3.8	3.2	1.9	2.7	0	0	0	11.6
1951-1952-----	T	0	0	0	T	3.3	6.2	2.8	7.4	0	0	0	19.7
1952-1953-----	0	0	0	0.5	1.7	7.5	4.1	0.4	0.9	T	0	0	15.1
1953-1954-----	0	0	0	0	2.2	T	12.7	0.5	0.1	0.3	0	0	15.8
1954-1955-----	0	0	0	0	T	0.1	2.6	5.2	3.6	0	0	0	11.5
1955-1956-----	0	0	0	0	1.0	3.3	1.2	2.7	21.1	4.2	0	0	33.5
Mean Snowfall (Length of Record - 87 Seasons, July-December; 88 Seasons, January-June)													
1869-1956-----	T	0	0	T	1.1	6.0	7.8	8.7	5.3	1.0	T	0	29.7

* Snowfall includes sleet and hail (prior to January 1956).

Table 18. Total Snowfall*, Inches - Cont'd.

Season	July	August	September	October	November	December	January	February	March	April	May	June	Annual
New York, LaGuardia Airport													
1943-1944-----	0	0	0	0	T	T	3.6	10.1	4.6	3.7	0	0	22.0
1944-1945-----	0	0	0	T	T	7.1	14.3	9.2	T	T	0	0	30.6
1945-1946-----	0	0	0	0	3.1	17.3	3.4	8.3	T	0	0	0	32.1
1946-1947-----	0	0	0	0	0	2.5	5.0	21.5	6.5	T	0	0	35.5
1947-1948-----	0	0	0	0	T	26.8	18.3	14.9	4.2	0	0	0	64.2
1948-1949-----	0	0	0	0	T	22.3	7.5	11.9	5.0	T	0	0	46.7
1949-1950-----	0	0	0	0	0.4	1.3	0.4	12.0	0.9	0.7	0	0	15.7
1950-1951-----	0	0	0	0	0.1	5.0	5.4	2.6	1.5	0	0	0	14.6
1951-1952-----	T	0	0	0	T	3.6	2.8	3.7	6.6	T	0	0	16.7
1952-1953-----	0	0	0	T	1.7	4.2	4.9	0.9	1.8	T	0	0	13.5
1953-1954-----	0	0	0	0	4.0	T	13.1	0.2	T	T	0	0	17.3
1954-1955-----	0	0	0	0	0	0.2	2.4	6.0	2.7	0	0	0	11.3
1955-1956-----	0	0	0	0	0.6	2.6	0.9	2.4	17.7	6.4	0	0	30.6
Mean Snowfall (Length of Record - 13 Seasons)													
1943-1956-----	T	0	0	T	0.8	7.1	6.3	8.0	4.0	0.8	0	0	26.9
Newark Airport, N. J.													
1930-1931-----								4.1	2.8	T	0	0	
1931-1932-----	0	0	0	0	1.0	T	1.0	4.3	1.0	T	0	0	7.3
1932-1933-----	0	0	0	0	0	6.4	0.6	9.4	4.3	2.0	0	0	22.7
1933-1934-----	0	0	0	0	0.3	10.5	0.1	26.4	4.8	T	0	0	42.1
1934-1935-----	0	0	0	T	T	T	10.5	6.2	1.9	0.2	0	0	18.8
1935-1936-----	0	0	0	0	0.2	6.4	9.4	10.5	1.7	T	0	0	28.2
1936-1937-----	0	0	0	0	2.0	0.5	3.0	2.1	3.4	T	0	0	11.0
1937-1938-----	0	0	0	0	T	T	5.6	T	0.3	5.2	0	0	11.1
1938-1939-----	0	0	0	0	14.2	0.7	10.9	2.9	5.3	T	0	0	34.0
1939-1940-----	0	0	0	0	T	2.1	3.5	10.3	4.3	1.4	0	0	21.6
1940-1941-----	0	0	0	T	1.5	3.6	13.2	6.2	14.5	0	0	0	39.0
1941-1942-----	0	0	0	0	T	1.0	5.7	0.6	3.1	3.5	0	0	13.9
1942-1943-----	0	0	0	0	T	6.7	10.7	4.1	5.1	T	0	0	26.6
1943-1944-----	0	0	0	0	T	T	6.3	10.5	4.9	1.5	0	0	23.2
1944-1945-----	0	0	0	0	T	6.8	15.3	7.5	T	T	0	0	29.6
1945-1946-----	0	0	0	0	2.9	16.5	3.5	6.4	T	0	0	0	29.3
1946-1947-----	0	0	0	0	0	2.3	5.9	20.5	4.3	T	0	0	33.0
1947-1948-----	0	0	0	0	T	29.1	16.4	13.0	4.0	0	0	0	62.5
1948-1949-----	0	0	0	0	T	20.7	6.1	8.0	6.4	0	T	0	41.2
1949-1950-----	0	0	0	0	0.4	1.5	0.5	7.2	0.4	0.7	0	0	10.7
1950-1951-----	0	0	0	0	T	3.4	5.1	0.9	1.5	0	0	0	10.9
1951-1952-----	0	T	0	0	T	4.9	3.7	2.1	6.0	T	T	T	16.7
1952-1953-----	0	0	0	0.3	0.9	8.2	3.7	0.4	0.8	0	0	0	14.3
1953-1954-----	0	0	0	0	2.4	T	10.6	0.6	T	0.4	T	0	14.0
1954-1955-----	0	0	0	0	T	T	3.1	7.1	3.5	T	0	0	13.7
1955-1956-----	0	0	0	0	2.2	3.8	2.4	2.4	26.0	3.4	T	0	40.2
Mean Snowfall (Length of Record - 26 Seasons)													
1930-1956-----	0	T	0	T	1.1	5.3	6.2	6.7	4.2	0.7	T	T	24.2

* Snowfall includes sleet and hail (prior to January 1956).

Table 19. Distribution of Snowfall* Totals.

Month	Percentage of time Totals will be Less than indicated values				
	95%	75%	50%	25%	5%
New York, City Office (July 1885-June 1956)					
July	T	0	0	0	0
August	T	0	0	0	0
September	0	0	0	0	0
October	T	T	0	0	0
November	3.7	0.6	T	T	0
December	19.3	8.7	3.8	0.7	0
January	19.3	10.9	5.9	2.9	0.2
February	29.6	11.9	6.7	3.6	0.5
March	21.3	6.6	3.5	0.8	T
April	5.2	0.7	T	T	0
May	0	0	0	0	0
June	0	0	0	0	0
Seasonal	53.0	38.2	27.6	18.2	9.2
New York, Central Park (January 1869-December 1955)					
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
October	T	0	0	0	0
November	5.0	1.0	T	T	0
December	21.6	8.8	3.8	0.9	0
January	18.4	11.3	6.4	2.7	0.3
February	20.5	12.0	7.2	3.6	0.4
March	21.1	6.5	3.5	1.0	T
April	6.5	0.5	T	0	0
May	0	0	0	0	0
June	0	0	0	0	0
Seasonal	55.9	37.3	28.8	18.6	9.1

Data compiled from Table 18.

* Snowfall includes sleet and hail (prior to January 1956).

Month	Percentage of time Totals will be Less than indicated values				
	95%	75%	50%	25%	5%
New York, LaGuardia Airport (July 1943-December 1955)					
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
October	T	0	0	0	0
November	3.1	0.6	T	T	0
December	22.3	7.1	2.6	0.2	T
January	14.3	6.3	3.6	2.4	0.4
February	14.9	11.9	6.0	2.4	0.2
March	6.6	5.0	1.8	T	T
April	3.7	T	T	0	0
May	0	0	0	0	0
June	0	0	0	0	0
Seasonal	46.7	32.1	17.3	14.6	11.3
Newark Airport, N. J. (February 1930-December 1955)					
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
October	T	0	0	0	0
November	2.9	1.0	T	T	0
December	20.7	6.7	2.3	T	T
January	15.3	10.5	5.1	3.0	0.1
February	20.5	10.3	6.2	2.1	0.4
March	14.5	4.9	3.4	0.8	T
April	3.5	0.7	T	0	0
May	T	0	0	0	0
June	0	0	0	0	0
Seasonal	42.1	33.0	21.6	13.7	7.3

Percentage of snowfall totals less than stated values. For example, snowfall in December at New York, City Office, was less than 8.7 inches 75% of the time; while at Central Park the December snowfall was less than 8.8 inches 75% of the time.

Table 20. Maximum Snowfall*, Inches.

Month	Maximum Total	Year	Maximum 24 hours	Date Year Day
New York, City Office				
(a)	72		71	
January	26.2	1925	13.4	1935 23-24
February	37.9	1894	17.8	1893 17-18
March	28.5	1896	16.5	1888 12
April	10.2	1915	10.2	1915 3-4
May	T		T	1891 6
June	† T		T	1952 9
July	† T		T	1951 19
August	† T		T	1951 21
September	.0		.0	
October	0.4	1925	0.4	1925 30
November	14.0	1898	8.8	1898 26-27
December	29.0	1947	25.8	1947 26-27
Seasonal (b)	77.6	1892-1893		
New York, Central Park				
(a)	87		87	
January	27.4	1925	13.4	1935+ 23-24
February	27.9	1934	12.5	1921 20
March	30.5	1896	18.1	1941‡ 7-8
April	13.5	1875	10.2	1915 3-4
May	T	1946	T	1946 5
June	.0		.0	
July	† T	1951	† T	1951 19
August	.0		.0	
September	.0		.0	
October	0.8	1925	0.8	1925 30
November	19.0	1898	10.0	1898 26-27
December	29.6	1947	26.4	1947 26-27
Seasonal (b)	63.2	1947-1948		

Month	Maximum Total	Year	Maximum 24 hours	Date Year Day
New York, LaGuardia Airport				
(a)	12		12	
January	18.2	1948	6.3	1948 24-25
February	21.3	1947	11.7	1947 20-21
March	17.7	1956	8.6	1956 18-19
April	6.4	1956	6.4	1956 8
May	.0		.0	
June	.0		.0	
July	† T	1951	† T	1951 27
August	.0		.0	
September	.0		.0	
October	T	1952	T	1952 20-29
November	4.0	1953	4.0	1953 6
December	26.2	1947	22.8	1947 26-27
Seasonal (b)	64.2	1947-1948		
Newark Airport, N. J.				
(a)	26		26	
Januray	16.4	1948	8.6	1939 13
February	26.4	1934	11.7	1947 20-21
March	26.0	1956	17.6	1956 18-19
April	5.2	1938	5.2	1938 6-7
May	T	1956+	T	1956 2
June	† T	1952	† T	1952 29
July	† T	1948	† T	1948 6
August	† T	1951	† T	1951 25
September	.0		.0	
October	0.3	1952	0.3	1952 20
November	14.2	1938	5.5	1938 25
December	29.1	1947	26.0	1947 26-27
Seasonal (b)	62.5	1947-1948		

† Hail
‡ Maximum 24 hour snowfall in blizzard of March 1888, not determinable.

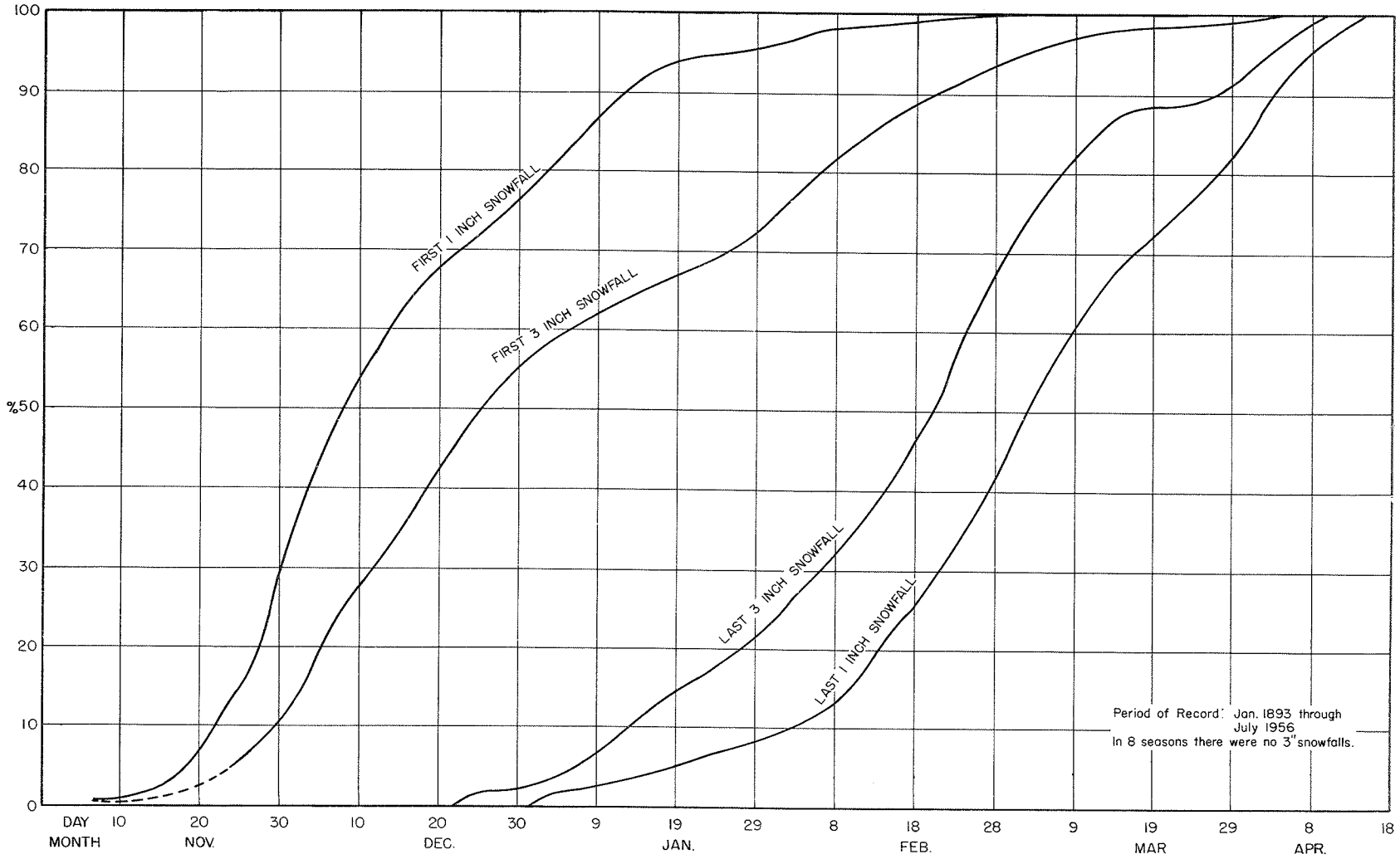
(a) Years of record.
\+ Also in previous years.
* Snowfall includes sleet and hail (Prior to Jan. 1956).

(b) Seasonal - July 1 through June 30.

PRECIPITATION

GRAPH C

PERCENTAGE CHANCE OF FIRST AND LAST SNOWFALLS



PRECIPITATION

Table 21. Number of Occurrences of Snowstorms 6 Inches or More (1884-1955), New York, City Office.

Inches	November		December		January		February		March		April		Total
	1-15	16-30	1-15	16-31	1-15	16-31	1-15	16-28	1-15	16-31	1-15	16-30	
6.0- 6.9-----	1	1	4	2	1	3	4	2	5	1	1		25
7.0- 7.9-----		1	3	2	2	4	2		3				17
8.0- 8.9-----		1		2	1		3	1		1	1		10
9.0- 9.9-----					3	2	2	3	2				12
10.0-10.9-----				2	1	2	3	3		2	1		14
11.0-11.9-----				1	1		1	1	1				5
12.0-12.9-----			2					1					3
13.0-13.9-----													0
14.0-14.9-----				1	1		1		2				5
15.0-15.9-----							1	1		1			3
16.0-16.9-----				1									1
17.0-17.9-----						1	1	1					3

In addition to the above, one snowstorm with a total of slightly over 20 inches occurred during the first half of March, and one of slightly over 25 inches occurred during the last half of December.

Table 22. Mean Total Precipitation, Inches, at Substations near New York City.

Station	1955 Elevation (ft.)	Period of Record (yrs.)	January	February	March	April	May	June	July	August	September	October	November	December	Annual
NEW YORK															
Dobbs Ferry----------	11	10	3.72	3.16	5.03	4.24	5.63	3.29	4.25	5.53	3.30	(11)3.54	(11)4.98	(11)4.63	51.30
Fort Schuyler----------	12	12	3.24	2.65	(11)4.03	3.79	4.38	2.76	(11)3.34	5.29	(11)2.96	3.01	(11)4.34	3.53	(10)43.32
Flushing----------	60	32	(33)3.74	(33)3.61	4.31	(33)3.38	3.28	(31)3.81	4.25	4.25	4.20	3.12	3.08	3.43	(30)44.46
Hempstead Malverne-------	35	14	(13)3.41	(13)2.68	(13)4.69	(13)3.89	4.46	3.87	4.35	5.91	3.81	(15)3.51	(16)4.93	(16)3.74	(13)49.25
Mineola----------	128	18	3.34	2.96	4.24	3.55	3.86	3.24	4.02	4.97	3.59	3.07	4.21	3.48	44.53
N. Y. Ave. V Brooklyn----	20	16	(14)2.97	(15)2.39	(15)3.94	(15)3.17	3.99	2.91	4.02	4.66	3.01	2.83	(15)3.86	(15)3.01	(13)40.76
N. Y. Laurel Hill--------	10	5	3.46	2.82	5.88	4.14	4.16	2.15	(6) 2.81	(6) 6.72	(6) 2.53	(6) 3.65	(6) 4.58	(6) 3.86	46.76
N. Y. University---------	180	16	(12)3.34	(14)2.58	(11)4.92	(14)3.81	(15)4.55	(12)3.73	(15)4.11	4.76	3.30	3.27	4.26	(12)3.67	(6) 46.30
N. Y. Westerleigh Staten I,	80	16	(15)3.53	(15)2.74	(15)4.46	(15)3.41	4.55	3.24	4.50	4.86	3.34	3.16	4.16	3.58	(15)45.53
Scarsdale----------	199	46	(45)3.52	(45)3.03	(45)4.03	4.00	4.10	(47)3.93	(47)4.68	4.98	4.08	3.64	3.77	3.74	(44)47.50
White Plains Airport-----	435	8	3.98	3.47	5.63	(9) 4.76	5.53	(10)2.90	(10)3.89	(9) 5.91	(9) 3.16	(10)3.59	(10)4.91	(9) 4.39	(7) 52.12
NEW JERSEY															
Boonton----------	280	57	3.32	3.19	3.73	3.76	4.16	3.78	4.43	4.65	4.03	3.43	3.78	3.36	45.62
Canoe Brook----------	180	25	3.74	2.82	4.40	3.81	4.38	4.21	4.62	5.42	4.39	3.24	4.23	(26)3.50	48.76
Charlotteburg----------	760	63	(62)3.65	(62)3.52	(62)4.16	4.17	4.20	4.36	4.78	4.74	4.38	4.07	4.06	4.01	(62)50.12
Elizabeth----------	33	76	4.00	3.76	4.15	3.73	3.96	3.73	4.94	4.57	3.96	3.63	3.42	3.72	47.57
Essex Fells Svc. Bldg.---	250	10	3.75	3.23	4.74	4.12	5.53	4.33	(11)5.29	(11)5.19	(11)3.87	(11)3.05	(11)5.13	(11)4.58	52.81
Jersey City----------	135	56	(55)3.49	(55)3.35	(55)3.89	(55)3.71	(54)3.55	3.57	4.23	4.51	3.57	3.34	(55)3.26	3.44	(53)43.91
Long Branch----------	34	25	7.07	6.26	7.29	7.05	6.34	6.58	7.78	9.10	6.00	5.64	6.09	6.36	68.00
Morris Plains----------	500	14	3.43	2.81	4.76	4.13	5.38	4.01	(15)4.76	(15)6.29	(15)3.85	(15)3.40	(15)4.88	(15)4.20	51.90
New Brunswick Exp. Sta.--	80	102	(101)3.60	3.33	3.69	3.61	3.89	3.78	4.86	5.05	3.76	3.47	(101)3.39	3.44	(100)45.87
Paterson----------	100	82	(81)3.71	(81)3.80	(83)4.27	(83)3.67	4.41	(83)4.18	4.92	4.84	4.17	3.75	3.51	(80)3.88	(77)49.11
Plainfield----------	120	67	3.79	3.48	4.12	3.78	4.06	4.13	5.37	5.20	4.39	3.72	3.51	3.69	49.24
Ridgefield----------	80	38	(39)3.54	(39)3.17	(39)4.14	(39)3.48	(37)4.14	4.03	4.80	4.66	3.98	3.39	3.65	3.59	46.57
Sandy Hook----------	22	57	3.43	3.05	3.65	3.35	3.53	3.51	4.26	4.44	3.45	3.07	3.17	3.37	42.28
Somerville----------	75	70	3.54	(69)3.35	3.84	3.52	3.86	3.76	(71)4.98	(71)4.97	(72)3.65	(71)3.36	(72)3.22	(74)3.53	(64)45.58

Table 23. Mean Total Snowfall*, Inches, at Substations near New York City.

Station	1955 Elevation (ft.)	Period of Record (yrs.)	January	February	March	April	May	June	July	August	September	October	November	December	Annual
NEW YORK															
Dobbs Ferry----------	11	10	8.8	10.1	4.6	(9) 0.5	T	T	T	T	0.0	(11) 0.1	(11) 1.8	(11)10.6	(9) 36.5
Fort Schuyler----------	12	8	(5) 5.6	(6) 1.8	(6) 3.8	(4) T	T	.0	T	.0	.0	T	(5) .4	(5) 3.7	(3) 15.3
Flushing----------	60	23	(24) 7.3	(24) 9.9	(24) 4.3	(24)1.1	.0	.0	.0	.0	.0	.1	.8	4.7	28.2
Hempstead Malverne-------	35	8	(7) 4.0	(6) 2.9	(6) 5.2	(6) .4	.0	T	.0	.0	.0	.1	(7) 1.5	4.5	(6) 18.6
Mineola----------	128	18	(17) 5.9	(17) 6.8	4.0	(17)1.1	.0	.0	.0	.0	.0	T	1.0	(16) 6.2	(14)25.0
N. Y. Ave. V Brooklyn----	20	6	(4) 2.6	(3) 1.2	(4) 2.3	.2	T	.0	.0	.0	.0	T	(4) .5	1.9	(2) 8.7
N. Y. Laurel Hill--------	10	49	(39) 7.1	(39) 8.6	(40) 5.1	(45)1.2	(45) T	(48) .0	.0	.0	(48) .0	T	(47) .8	(42) 5.5	(35)28.3
N. Y. Westerleigh Staten I.	80	5	(4) 6.3	(4) 2.1	(4) 3.3	T	T	T	.0	T	.0	.1	1.9	3.1	(4) 16.8
Scarsdale----------	199	45	(46) 9.6	11.5	7.1	(47)1.6	T	(47) T	(47) .0	T	(46) T	(42) T	(43) 1.9	(44) 7.7	(33)39.4
White Plains Airport-----	435	7	(6) 5.7	(6) 4.4	(5) 2.9	(6) .5	.0	(6) .0	.0	(8) .0	(8) .0	.4	.7	3.9	(4) 18.5
NEW JERSEY															
Boonton----------	280	21	6.8	10.4	(26) 5.3	(30)1.4	(38) T	(45) T	(45) .0	(46) .0	(35) .0	(37) T	(29) 1.0	(24) 5.3	30.2
Canoe Brook----------	180	5	(6) 8.2	6.0	.8	.2	(8) T	(9) .0	(9) .0	(9) .0	(7) .0	(9) T	(7) 1.0	7.0	(1) 23.2
Charlotteburg----------	760	60	(59)10.2	11.0	5.9	(57)1.5	(56) T	.0	(59) T	.0	(55) T	(59) .1	(59) 2.1	7.4	(58)38.2
Elizabeth----------	33	59	7.8	9.6	4.8	(58)1.1	(57) T	T	.0	T	(56) .0	.1	1.2	(58) 5.9	(52)30.5
Essex Fells Svc. Bldg.---	250	10	(4) 6.3	(5) 4.0	(6) 2.1	(7) .1	(8) T	(9) T	T	(11) T	.0	T	(8) 1.1	(5) 2.3	(3) 15.9
Jersey City----------	135	49	(39) 7.1	(39) 8.6	(40) 5.1	(45)1.2	(47) T	(48) .0	.0	.0	(48) .0	T	(47) .8	(42) 5.5	(35)28.3
Long Branch----------	34	46	6.2	7.2	4.2	.7	(43) T	.0	T	.0	(44) .0	(45) T	.4	4.8	(41)23.5
Morris Plains----------	500	14	8.5	7.3	3.7	.6	T	T	T	(15) .0	.0	.1	1.2	(15) 7.2	28.6
New Brunswick Exp. Sta.--	80	63	6.4	7.8	4.1	.9	(62) T	T	T	.0	(62) .0	T	1.1	4.8	(61)25.1
Paterson----------	100	59	8.4	(58)10.5	(60) 5.2	1.4	(60) T	(61) T	(60) T	.0	(58) .0	(60) T	1.4	(58) 6.8	(50)33.7
Plainfield----------	120	63	8.1	9.9	5.2	(62)1.0	(60) T	T	T	.0	(62) T	.1	1.3	(62) 6.5	(58)32.1
Ridgefield----------	80	38	8.3	9.8	5.2	(37)1.0	(37) T	T	T	.0	(35) .0	(33) .1	(36) 1.2	7.0	(30)32.6
Sandy Hook----------	22	41	(38) 4.2	(38) 5.6	(39) 2.5	(40) .6	.0	.0	.0	.0	(39) .0	(40) T	(40) .4	(39) 3.9	(36)17.2
Somerville----------	75	60	(56) 7.7	(56) 8.4	(59) 4.6	(57) .7	(59) .0	T	.0	.0	(57) .0	(58) T	1.2	(57) 4.8	(52)27.4

Numbers in parenthesis in Tables 22 and 23 above indicate number of years for which that month's data are computed if different from that given in column 3.

* Snowfall includes sleet and hail (prior to January 1956).

WIND

Table 24. Percentage Frequency of Surface Winds (1950-1955) New York, LaGuardia Airport.

4464* January	Wind Speed (m.p.h.) 1-3	4-7	8-12	13-18	19-24	25-31	32-38	39-46	47 & over	Total %	Mean Speed
N-------	0.3	0.6	1.3	1.9	1.6	0.2				5.9	14.0
NNE-----	0.2	1.1	1.7	1.2	1.2	#				5.4	12.5
NE------	1.3	2.8	3.1	1.7	1.1	0.5	#			10.5	10.0
ENE-----	0.7	1.0	0.8	0.4	0.3	0.1				3.3	8.4
E-------	0.6	0.9	0.4	#						1.9	5.1
ESE-----	0.2	0.3	0.2	0.1	#					0.8	6.3
SE------	0.4	1.1	0.6	0.2	0.2	#				2.5	7.4
SSE-----	0.3	1.1	1.3	0.4	0.1	0.1				3.3	9.1
S-------	0.2	1.5	2.0	0.8	0.2	#				4.7	9.2
SSW-----	0.2	1.5	2.2	1.2	0.1					5.2	9.6
SW------	0.6	2.0	4.2	3.0	0.4	0.1	#			10.3	10.5
WSW-----	0.1	0.8	1.7	2.5	1.3	0.5	#	#		6.9	14.9
W-------	0.4	0.9	1.5	1.8	0.8	0.2		#		5.6	12.5
WNW-----	0.2	0.7	2.3	3.8	2.7	2.2	0.7	0.2		12.8	18.6
NW------	0.1	0.7	1.8	3.6	4.2	2.8	0.8	0.2		14.2	19.5
NNW-----	0.2	0.3	1.5	1.8	1.2	0.4	0.1			5.5	15.1
Calm----										1.2	
Totals--	6.0	17.3	26.6	24.4	15.4	7.1	1.6	0.4		100.0	13.5

4056* February	1-3	4-7	8-12	13-18	19-24	25-31	32-38	39-46	47 & over	Total %	Mean Speed
N-------	0.2	0.6	1.5	2.3	0.8	0.2				5.6	13.1
NNE-----	0.3	0.8	1.6	1.4	0.2	0.1	#			4.4	11.0
NE------	0.6	2.4	3.7	2.7	1.7	0.4				11.5	11.2
ENE-----	0.4	0.9	0.7	0.5	0.5	0.2				3.2	9.8
E-------	0.3	0.9	0.3	#	0.1					1.6	6.0
ESE-----	0.3	0.4	0.4	0.2						1.3	7.5
SE------	0.5	0.8	1.4	0.5	0.1	#				3.3	7.7
SSE-----	0.4	1.6	1.3	1.0	0.6	0.1	#			4.4	11.5
S-------	0.5	1.3	1.7	1.2	0.2	#	#			4.9	10.5
SSW-----	0.2	1.3	2.1	1.3	0.2					5.1	10.1
SW------	0.3	1.4	3.4	2.5	0.6	0.1				8.3	11.5
WSW-----	0.1	0.4	1.1	2.4	0.8	0.2				5.0	14.3
W-------	0.1	0.4	1.1	1.1	0.4	0.1	#			3.2	12.8
WNW-----	0.1	0.5	2.0	3.9	4.4	2.6	1.0	0.3	#	14.8	20.1
NW------	0.1	0.7	2.7	4.6	4.5	3.2	1.1	0.3		17.2	19.6
NNW-----	#	0.3	1.5	1.7	1.4	0.5	0.2			5.6	16.2
Calm----										0.6	
Totals--	4.4	14.1	26.5	27.3	16.5	7.7	2.3	0.6	#	100.0	14.4

4464* March	1-3	4-7	8-12	13-18	19-24	25-31	32-38	39-46	47 & over	Total %	Mean Speed
N-------	0.2	0.3	1.4	1.9	0.7	0.3				4.8	13.4
NNE-----	0.2	0.8	1.5	1.1	#	0.1				3.7	11.0
NE------	0.4	1.6	3.5	3.1	0.9	0.3	0.1			9.9	12.3
ENE-----	0.4	0.7	1.3	1.0	0.6	0.2	#	#		4.2	12.2
E-------	0.2	0.5	0.7	0.6	0.4	0.1	#			2.5	10.8
ESE-----	0.1	0.3	0.6	0.6	0.2	0.1	0.1			2.0	12.1
SE------	0.4	0.9	1.1	1.3	1.0	0.2	0.2	#		5.1	13.0
SSE-----	0.1	0.8	1.7	2.2	0.7	0.3	#			5.8	13.6
S-------	0.2	1.1	1.7	1.3	0.2	0.1				4.6	10.8
SSW-----	0.2	0.6	1.3	1.3	0.2					3.6	11.2
SW------	0.1	0.6	1.7	2.4	0.9	0.2	#			5.9	13.2
WSW-----	#	0.3	0.9	2.8	1.4	0.6	0.2			6.2	16.5
W-------	0.2	0.5	1.1	2.1	1.1	0.7	0.1	#		5.8	15.4
WNW-----	0.1	0.6	1.8	4.0	3.9	2.4	0.9	0.3		14.0	19.2
NW------	0.1	0.6	2.1	4.2	4.5	3.0	1.0	0.1		15.6	19.7
NNW-----	0.1	0.2	1.2	2.1	1.5	0.7	#			5.8	16.0
Calm----										0.5	
Totals--	3.0	10.4	23.6	32.0	18.2	9.3	2.6	0.4		100.0	15.5

4320* April	Wind Speed (m.p.h.) 1-3	4-7	8-12	13-18	19-24	25-31	32-38	39-46	47 & over	Total %	Mean Speed
N-------	0.3	0.3	1.3	2.7	1.5	0.5	#			6.6	15.6
NNE-----	0.2	0.9	1.7	1.4	0.5	0.2				4.9	12.6
NE------	0.7	1.7	3.8	3.6	1.9	0.2				11.9	11.6
ENE-----	0.2	0.9	0.8	0.7	0.3	0.2	#			3.1	10.0
E-------	0.4	0.6	0.6	0.4	0.1					2.1	8.5
ESE-----	0.2	0.3	0.4	0.4	0.1	#	#			1.4	12.0
SE------	0.4	1.4	1.9	1.4	0.5	0.1				5.7	11.0
SSE-----	0.3	1.8	3.5	2.9	1.0	#				9.5	11.7
S-------	0.2	1.8	3.1	2.5	0.5					8.1	10.7
SSW-----	0.3	1.1	1.6	0.8	0.1	#				3.9	9.6
SW------	0.4	1.0	2.8	3.2	0.9	0.1				8.4	12.7
WSW-----	0.1	0.5	1.3	3.0	1.1	0.2	#	#		6.2	14.6
W-------	0.1	0.5	1.4	1.2	0.3	0.6				4.1	11.4
WNW-----	0.1	0.8	1.6	3.3	1.5	1.4	0.3	0.1		9.1	16.4
NW------	0.2	0.9	1.6	3.0	2.6	0.6	0.2	#		9.1	17.5
NNW-----	0.1	0.5	0.9	1.9	1.6		#			5.0	16.5
Calm----										0.9	
Totals--	4.2	15.0	28.3	32.4	14.5	4.1	0.5	0.1		100.0	13.3

4464* May	1-3	4-7	8-12	13-18	19-24	25-31	32-38	39-46	47 & over	Total %	Mean Speed
N-------	0.4	0.8	1.5	1.5	0.6	0.2	#			5.0	11.9
NNE-----	0.3	1.4	2.1	1.7	0.6	0.1				6.2	11.4
NE------	0.8	2.6	4.6	3.0	1.1	0.2				12.3	10.9
ENE-----	0.4	1.0	1.7	1.1	0.3	#				4.5	10.4
E-------	0.7	0.9	0.8	0.8	0.1		#			3.3	7.9
ESE-----	0.4	0.8	1.2	0.6	#					3.0	8.2
SE------	0.9	1.5	1.8	1.1	0.2					5.5	9.0
SSE-----	0.4	2.2	2.7	2.1	0.4	#				7.8	10.7
S-------	0.7	2.3	2.7	2.0	0.3	#				8.0	9.9
SSW-----	0.7	1.4	1.5	1.1	0.3	#				5.0	9.1
SW------	0.6	1.7	1.9	2.3	0.7	0.1	#			7.3	11.1
WSW-----	0.2	0.6	1.3	1.7	0.6	0.2	#			4.6	13.3
W-------	0.3	0.7	1.3	0.9	0.2	0.1	0.1			3.6	11.2
WNW-----	0.2	1.1	2.0	2.0	1.5	0.4	0.1			7.3	13.1
NW------	0.3	1.0	2.0	3.2	2.8	0.7	0.2	#		10.2	15.8
NNW-----	0.2	0.7	1.1	1.4	1.1	0.4	0.1			5.0	14.8
Calm----										1.4	
Totals--	7.5	20.7	30.2	26.5	10.8	2.4	0.5	#		100.0	11.6

4320* June	1-3	4-7	8-12	13-18	19-24	25-31	32-38	39-46	47 & over	Total %	Mean Speed
N-------	0.3	0.8	1.6	1.2	0.3	0.1				4.3	10.6
NNE-----	0.4	1.3	1.3	0.6	0.2	#				3.8	9.2
NE------	0.9	2.7	3.3	2.5	0.8	0.4				10.6	10.9
ENE-----	0.4	1.2	1.5	0.8	0.3	0.3	#			4.5	10.5
E-------	0.4	0.7	0.7	0.2	#					2.0	7.7
ESE-----	0.1	0.4	0.7	0.3						1.5	8.5
SE------	0.8	1.4	2.2	1.1						5.5	8.6
SSE-----	0.4	1.9	4.1	2.8	0.3	#				9.5	10.6
S-------	0.9	2.5	4.0	2.6	0.2	#				10.2	9.6
SSW-----	0.7	2.0	2.8	0.9	0.1	#				6.5	8.6
SW------	0.9	1.9	4.2	2.8	0.7	0.1				10.6	10.5
WSW-----	0.2	0.9	1.3	1.6	0.3	#	#			4.3	11.4
W-------	0.5	1.0	1.3	0.9	0.3					4.0	9.2
WNW-----	0.2	1.0	2.3	3.0	1.2	0.2	#			7.9	13.0
NW------	0.4	1.2	2.3	3.8	2.3	0.8	0.2			11.0	14.7
NNW-----	0.2	0.3	0.9	1.3	0.4	0.1				3.2	13.3
Calm----										0.6	
Totals--	7.7	21.2	34.5	26.4	7.4	2.0	0.2			100.0	11.0

WIND

Table 24. Percentage Frequency of Surface Winds (1950-1955) New York, LaGuardia Airport - Cont'd.

4464* July	Wind Speed (m.p.h.) 1-3	4-7	8-12	13-18	19-24	25-31	32-38	39-46	47 & over	Total%	Mean Speed
N-------	0.4	0.8	1.3	0.7	0.1	#				3.3	9.3
NNE-----	0.7	1.9	2.7	0.9	0.1					6.3	8.6
NE------	0.9	3.6	4.7	2.0	0.2	#	#			11.4	8.9
ENE-----	0.5	0.9	1.2	0.5		#				3.1	7.7
E-------	0.5	0.8	0.2	0.1						1.6	5.4
ESE-----	0.2	0.5	0.4	0.1						1.2	7.2
SE------	0.8	1.0	1.4	1.0	0.1					4.3	8.5
SSE-----	0.7	1.6	3.0	2.7	0.3	#				8.3	10.5
S-------	0.9	2.4	4.1	2.6	0.4					10.4	9.8
SSW-----	0.6	2.6	3.7	1.7	0.2					8.8	9.4
SW------	0.9	2.3	4.4	3.4	0.3					11.3	10.1
WSW-----	0.4	1.1	1.7	1.5	0.1	#				4.8	10.3
W-------	0.3	1.5	1.6	1.1	0.2	#				4.7	9.4
WNW-----	0.5	1.4	3.2	2.2	0.5	0.1	#			7.9	11.3
NW------	0.4	1.2	3.0	2.8	1.0	0.3				8.7	12.0
NNW-----	0.1	0.7	0.9	0.8	0.1	0.1				2.7	10.4
Calm----										1.2	
Totals--	8.8	24.3	37.5	24.1	3.6	0.5	#			100.0	9.8

4464* August	1-3	4-7	8-12	13-18	19-24	25-31	32-38	39-46	47 & over	Total%	Mean Speed
N-------	0.3	0.9	1.3	1.3	0.4	#	#	#		4.2	11.3
NNE-----	0.4	1.6	2.6	1.5	0.3	0.1				6.5	10.3
NE------	0.7	2.7	4.1	2.7	0.7	0.2	#			11.1	10.5
ENE-----	0.4	1.5	1.8	1.0	0.1	#	#			4.8	9.2
E-------	0.2	1.0	1.0	0.5		#	0.1			2.8	9.2
ESE-----	0.3	0.5	0.3	0.2			#			1.3	8.0
SE------	0.6	1.2	1.6	0.8	0.1		0.1			4.4	8.7
SSE-----	0.5	2.5	3.7	2.9	0.5	0.2	0.1			10.4	10.2
S-------	0.9	3.6	4.1	2.6	0.2	#				11.4	9.1
SSW-----	0.5	2.3	3.3	1.7	0.1	#				7.9	9.3
SW------	0.8	2.3	3.3	1.8	#					8.2	9.3
WSW-----	0.5	1.1	2.2	1.3	0.2					5.3	9.9
W-------	0.5	1.2	1.0	0.5	#	#				3.2	8.2
WNW-----	0.4	1.4	2.7	1.9	0.2		#			6.6	10.8
NW------	0.3	1.3	2.3	2.5	1.0	0.2				7.6	12.7
NNW-----	0.2	0.6	1.3	0.9	0.3	0.1	0.1	#		3.5	13.6
Calm----										0.8	
Totals--	7.5	25.7	36.6	24.1	4.1	0.8	0.4	#		100.0	10.1

4320* September	1-3	4-7	8-12	13-18	19-24	25-31	32-38	39-46	47 & over	Total%	Mean Speed
N-------	0.2	1.0	1.2	1.2	0.7	0.1		0.1		4.5	12.8
NNE-----	0.5	1.5	3.4	2.0	0.4	#				7.8	10.6
NE------	0.6	2.3	3.4	2.0	0.6	0.1				9.0	10.1
ENE-----	0.3	1.5	1.7	0.6	0.3	#				4.4	9.0
E-------	0.4	1.5	1.4	0.2						3.5	6.8
ESE-----	0.2	0.5	0.8	0.3			#			1.8	7.7
SE------	0.8	1.8	1.5	0.6	0.1		#			4.8	7.5
SSE-----	0.4	1.8	2.8	2.3	0.5	0.1	#			7.9	10.5
S-------	0.7	3.0	3.9	2.7	0.6	#				10.9	9.3
SSW-----	0.7	2.9	3.1	1.5	0.1					8.3	8.6
SW------	0.9	2.3	2.9	1.6	0.3					8.0	9.2
WSW-----	0.2	1.1	1.6	2.1	0.2	#				5.2	11.6
W-------	0.3	0.9	1.1	1.0	0.2					3.5	9.6
WNW-----	0.2	1.1	2.2	2.1	0.9	0.1	#			6.6	13.1
NW------	0.3	1.4	2.3	2.9	1.6	0.4	#			8.9	13.9
NNW-----	0.2	0.6	1.4	1.3	0.6	0.1	#			4.2	13.1
Calm----										0.7	
Totals--	6.9	25.2	34.7	24.4	7.1	0.9	#	0.1		100.0	10.5

4464* October	Wind Speed (m.p.h.) 1-3	4-7	8-12	13-18	19-24	25-31	32-38	39-46	47 & over	Total%	Mean Speed
N-------	0.2	1.0	1.6	1.9	1.1	0.2				6.0	13.4
NNE-----	0.5	1.6	2.4	3.0	1.4	0.2				9.1	12.5
NE------	0.5	1.8	2.1	2.6	1.8	0.5				9.3	12.7
ENE-----	0.4	0.5	0.9	1.1	0.5	0.2	0.1			3.7	12.0
E-------	0.4	0.7	0.6	0.6	0.2	0.1	0.1		#	2.7	9.2
ESE-----	0.4	0.5	0.3	0.8	0.2	0.1	0.1	#		2.4	12.3
SE------	0.6	1.6	0.9	0.8	0.2	0.1		#	#	4.2	9.4
SSE-----	0.4	1.7	2.1	1.7	0.3	#				6.2	10.7
S-------	0.7	2.5	2.9	1.1	0.1					7.3	8.5
SSW-----	0.6	2.2	3.0	1.8	0.2					7.8	9.4
SW------	0.4	2.3	3.7	2.9	0.6					9.9	10.7
WSW-----	0.3	0.9	2.4	2.7	0.6	0.2	#			7.1	12.1
W-------	0.4	0.9	1.3	1.2	0.3					4.1	10.0
WNW-----	0.1	0.8	2.1	2.5	0.9	0.6	0.1	#	#	7.1	14.5
NW------	0.2	0.9	1.7	2.5	1.9	0.9	0.1			8.2	15.6
NNW-----	0.1	0.7	1.1	1.1	0.9	0.3	#			4.2	14.1
Calm----										0.7	
Totals--	6.2	20.6	29.1	28.3	11.2	3.4	0.5	#	#	100.0	12.0

4320* November	1-3	4-7	8-12	13-18	19-24	25-31	32-38	39-46	47 & over	Total%	Mean Speed
N-------	0.4	0.7	1.4	0.8	0.6	0.1				4.0	11.2
NNE-----	0.5	1.3	2.2	1.4	0.7	0.1	0.1	#		6.3	11.9
NE------	1.1	2.5	1.9	1.1	0.6	0.1	0.1	0.1	0.1	7.6	10.7
ENE-----	0.6	0.9	1.0	0.8	0.3	0.2		#	#	3.8	11.1
E-------	0.7	1.3	0.5	0.2	0.2	0.2	0.1	0.1	0.1	3.4	10.5
ESE-----	0.4	0.6	0.3	0.2	0.2	#	#		#	1.7	10.9
SE------	0.7	1.7	1.0	0.6	0.3	0.3	#		#	4.6	9.2
SSE-----	0.6	0.9	1.1	0.8	0.2	#				3.6	9.5
S-------	0.6	1.7	1.3	1.3	0.5	#				5.4	9.0
SSW-----	0.3	1.7	2.3	1.4	0.3	0.1		#		6.1	10.4
SW------	0.5	1.9	3.5	3.4	1.0	0.2				10.5	11.7
WSW-----	0.3	0.9	2.1	3.2	2.1	1.0	0.1	#		9.7	15.3
W-------	0.4	0.9	1.7	1.9	0.6	0.2				5.7	11.9
WNW-----	0.1	0.8	2.9	3.8	2.2	0.6	0.1			10.5	15.1
NW------	0.3	0.6	1.8	3.5	3.4	1.4	0.2	0.1		11.3	17.2
NNW-----	0.1	0.5	1.4	1.3	0.7	0.4	0.2	#		4.6	14.4
Calm----										1.2	
Totals--	7.6	18.9	26.4	25.7	13.9	4.9	0.9	0.3	0.2	100.0	12.8

4464* December	1-3	4-7	8-12	13-18	19-24	25-31	32-38	39-46	47 & over	Total%	Mean Speed
N-------	0.2	0.7	1.1	1.2	0.6	0.2	0.1			4.1	13.7
NNE-----	0.3	0.7	1.7	1.0	0.6	0.3	0.1			4.7	12.0
NE------	0.5	1.7	2.4	1.2	1.0	0.6	0.1	#		7.5	13.3
ENE-----	0.3	0.4	1.2	0.8	0.3	0.1	#			3.1	12.8
E-------	0.5	0.5	0.5	0.2	0.1	0.1				1.9	8.7
ESE-----	0.1	0.2	0.3	0.1	0.2	0.1				1.0	9.5
SE------	0.4	0.7	0.5	0.4	0.3	0.2				2.5	9.4
SSE-----	0.2	0.4	0.7	0.6	0.5	0.3				2.7	13.4
S-------	0.4	0.9	1.0	0.7	0.2	#				3.2	9.3
SSW-----	0.4	1.4	2.1	1.7	0.2	#				5.8	10.0
SW------	0.6	1.9	5.0	3.8	0.9	0.2	#			12.4	11.4
WSW-----	0.1	0.8	3.2	5.4	1.8	0.5				11.8	14.4
W-------	0.3	0.9	2.5	3.3	0.9	0.1				8.0	13.0
WNW-----	0.1	1.1	2.3	4.5	3.8	2.0	0.5	#		14.3	17.7
NW------	0.1	0.4	1.9	3.4	3.9	2.1	0.4	#		12.2	19.0
NNW-----	0.1	0.2	0.9	1.6	1.0	0.4	0.1			4.3	15.8
Calm----										0.5	
Totals--	4.6	12.9	27.3	29.9	16.3	7.2	1.3	#		100.0	14.1

WIND

Table 24. Percentage Frequency of Surface Winds (1950-1955) Newark Airport, N. J.

4464* January	Wind Speed (m.p.h.) 1-3	4-7	8-12	13-18	19-24	25-31	32-38	39-46	47 & over	Total %	Mean Speed
N-------	0.2	1.0	1.7	1.6	0.3					4.8	11.1
NNE-----	0.4	1.3	2.5	2.1	0.8	0.1				7.2	11.1
NE------	0.6	2.6	3.5	1.8	0.4					8.9	9.3
ENE-----	0.5	1.2	1.5	1.0	0.1	#				4.3	8.3
E-------	0.9	1.1	0.5	0.1						2.6	5.2
ESE-----	0.5	0.4	0.2	0.2						1.3	6.4
SE------	0.4	0.4	0.1	0.2	#					1.1	5.4
SSE-----	0.4	0.5	0.2	0.2	#	#				1.3	7.5
S-------	0.6	1.3	0.9	0.2						3.0	6.5
SSW-----	0.6	1.6	1.5	0.4	0.2					4.3	8.2
SW------	1.7	4.7	3.3	2.0	0.5	0.2				12.4	8.3
WSW-----	0.8	3.0	3.2	1.5	0.4	#	#	#		8.9	9.3
W-------	0.4	1.6	3.0	2.6	0.6	0.2	0.1	#		8.5	11.6
WNW-----	0.2	1.1	2.3	3.2	1.3	0.4	0.1			8.6	13.9
NW------	0.3	0.9	2.8	4.5	2.2	1.0	0.2			11.9	14.9
NNW-----	0.2	0.5	2.5	3.2	1.1	0.5	0.1			8.1	14.6
Calm----										2.8	
Totals--	8.7	23.2	29.7	24.8	7.9	2.4	0.5	#		100.0	10.8

4056* February	1-3	4-7	8-12	13-18	19-24	25-31	32-38	39-46	47 & over	Total %	Mean Speed
N-------	#	1.0	1.6	1.1	0.3	0.2	0.1	#		4.3	11.3
NNE-----	#	1.4	2.5	1.2	0.3					5.4	10.6
NE------	0.4	1.9	3.9	2.9	0.3	0.1				9.5	9.9
ENE-----	0.7	1.1	1.1	1.1	0.5	#				4.5	9.4
E-------	0.8	1.7	0.9	0.6		#				4.0	7.3
ESE-----	0.3	1.6	0.9	0.2	#					3.0	6.7
SE------	0.4	0.4	0.4	0.1						1.3	5.9
SSE-----	0.3	1.0	0.8	0.4		#				2.5	8.4
S-------	0.7	1.2	1.1	0.2	0.1	#	#			3.3	7.5
SSW-----	0.4	1.7	1.9	1.0	0.2	#				5.2	8.8
SW------	1.0	3.2	2.3	1.0	0.2	0.1				7.8	8.3
WSW-----	0.5	2.0	3.3	1.6	0.3	#				7.7	9.9
W-------	0.4	1.2	1.8	1.1	0.4	0.2				5.1	11.4
WNW-----	0.1	1.1	2.7	3.3	1.0	0.2	#			8.4	14.0
NW------	0.2	1.2	3.7	6.1	2.9	1.4	0.3	#		15.8	15.6
NNW-----	0.1	0.8	2.8	4.2	2.2	0.7	0.2			11.0	15.1
Calm----										1.2	
Totals--	6.3	22.5	31.7	26.1	8.7	2.9	0.6	#		100.0	11.5

4464* March	1-3	4-7	8-12	13-18	19-24	25-31	32-38	39-46	47 & over	Total %	Mean Speed
N-------	0.2	1.0	2.2	2.0	0.4	0.1	#			5.9	11.6
NNE-----	0.1	0.9	2.2	1.2	0.2	#				4.6	11.0
NE------	0.4	1.6	3.4	1.7	#	0.1	#			7.2	10.1
ENE-----	0.2	1.1	2.3	1.3	0.4	0.1				5.4	11.3
E-------	0.6	1.4	1.6	1.4	0.4	0.1				5.5	10.2
ESE-----	0.2	0.9	2.1	1.2	0.3	0.2	#			4.9	11.3
SE------	0.4	0.6	1.1	0.7	0.2	#				3.0	10.1
SSE-----	0.2	0.5	1.1	1.0	0.2	#				3.0	11.1
S-------	0.6	1.1	0.9	0.7	0.2	#	#			3.5	9.1
SSW-----	0.4	1.4	0.9	0.5	0.2	#	#			3.4	9.0
SW------	0.6	2.2	2.1	1.6	0.4	0.1				7.0	9.3
WSW-----	0.2	1.3	2.0	2.2	0.6	0.2	#			6.5	11.9
W-------	0.2	1.1	1.8	2.7	1.2	0.6	0.1			7.7	13.3
WNW-----	0.3	0.9	2.6	3.7	1.8	0.9	0.2	#		10.4	15.4
NW------	0.1	0.9	2.9	4.7	2.4	0.8	0.2	#		12.0	15.0
NNW-----	0.1	0.4	2.4	3.7	1.8	0.6	#			9.0	14.9
Calm----										1.0	
Totals--	4.8	17.3	31.6	30.3	10.7	3.8	0.5	#		100.0	12.4

4320* April	Wind Speed (m.p.h.) 1-3	4-7	8-12	13-18	19-24	25-31	32-38	39-46	47 & over	Total %	Mean Speed
N-------	0.2	0.6	1.9	2.0	0.4	0.1				5.2	12.3
NNE-----	0.2	0.7	2.2	2.5	0.5	0.1				6.2	12.5
NE------	0.3	1.3	3.3	2.9	0.5	#				8.3	11.3
ENE-----	0.4	0.8	1.6	2.3	0.3					5.4	10.9
E-------	0.8	1.7	2.1	0.6	#					5.2	7.7
ESE-----	0.5	1.2	2.6	1.1	0.1	0.1				5.6	9.7
SE------	0.4	0.9	1.6	0.8	0.1	#				3.8	9.4
SSE-----	0.4	0.9	1.5	1.1	0.2					4.1	9.9
S-------	0.7	1.6	1.6	0.6	#					4.5	7.6
SSW-----	0.7	1.8	2.4	1.2	0.4	0.1				6.6	8.9
SW------	1.4	3.1	2.3	1.3	0.4	0.3				8.8	8.9
WSW-----	0.4	1.3	2.7	2.8	0.8	0.3	#			8.3	12.2
W-------	0.2	0.9	2.1	1.5	0.5	0.1	#	#		5.3	11.9
WNW-----	0.2	0.7	2.2	2.7	0.7	0.3				6.8	13.5
NW------	0.3	0.6	1.7	3.0	1.3	0.3	#			7.2	15.0
NNW-----	0.2	0.6	1.8	2.9	0.9	0.4	0.1			6.9	14.3
Calm----										1.8	
Totals--	7.3	18.7	33.6	29.3	7.1	2.1	0.1	#		100.0	11.2

4464* May	1-3	4-7	8-12	13-18	19-24	25-31	32-38	39-46	47 & over	Total %	Mean Speed
N-------	0.3	1.2	1.5	1.1	0.1	0.1				4.3	9.7
NNE-----	0.2	0.9	2.8	1.3	0.4	#				5.6	11.2
NE------	0.4	1.6	3.9	1.9	0.1					7.9	10.1
ENE-----	0.6	1.1	2.4	1.5	0.2					5.8	9.8
E-------	1.6	2.7	3.0	1.1	0.1					8.5	7.4
ESE-----	0.6	1.7	2.6	0.9	0.1					5.9	8.7
SE------	0.4	1.4	1.6	0.6						4.0	8.2
SSE-----	0.6	1.1	1.7	0.8	0.1					4.3	9.1
S-------	0.6	1.7	1.2	0.6	0.1	#				4.2	7.8
SSW-----	0.7	1.9	2.1	1.0	0.1	#	#			5.8	8.3
SW------	1.5	3.3	2.7	1.4	0.3	0.1	#			9.3	8.3
WSW-----	0.4	1.8	2.5	2.3	0.5	0.1	#			7.6	10.8
W-------	0.4	1.1	1.4	1.2	0.4	0.1	#			4.6	11.2
WNW-----	0.5	0.6	1.8	1.5	0.5	0.2	#			5.1	13.7
NW------	0.3	0.9	2.4	2.9	0.9	0.2				7.6	13.1
NNW-----	0.2	0.8	2.1	2.6	0.6	0.2	#			6.5	13.2
Calm----										3.0	
Totals--	9.3	23.8	35.7	22.7	4.5	1.0	#			100.0	9.7

4320* June	1-3	4-7	8-12	13-18	19-24	25-31	32-38	39-46	47 & over	Total %	Mean Speed
N-------	0.3	1.1	1.4	0.9	#					3.7	9.5
NNE-----	0.2	1.1	1.9	1.2	0.2					4.6	9.3
NE------	0.3	1.7	2.2	1.3	0.1	#				5.6	9.7
ENE-----	0.3	1.1	2.1	1.0	0.3	#				4.8	9.9
E-------	0.6	1.7	1.8	0.6	0.2	0.1				5.0	8.7
ESE-----	0.3	1.6	1.9	0.9	#					4.7	8.8
SE------	0.3	1.3	1.8	0.6						4.0	8.4
SSE-----	0.4	1.0	2.3	0.9	0.1					4.7	9.4
S-------	0.5	2.3	1.9	0.7	0.1					5.5	8.3
SSW-----	0.7	3.0	3.4	1.2	0.2	#				8.5	8.1
SW------	1.6	4.9	4.9	2.4	0.4	0.1				14.3	8.4
WSW-----	0.6	2.0	3.3	2.1	0.3	0.2				8.5	10.2
W-------	0.3	1.1	2.0	1.6	0.2					5.2	10.6
WNW-----	0.2	1.1	2.2	2.2	0.3					6.0	11.0
NW------	0.4	0.8	2.7	2.5	0.7	0.2				7.3	12.3
NNW-----	0.3	0.8	1.7	2.2	0.5	0.2				5.7	12.6
Calm----										1.9	
Totals--	7.3	26.6	37.5	22.3	3.6	0.8				100.0	9.7

WIND

Table 24. Percentage Frequency of Surface Winds (1950-1955) Newark Airport, N. J. - Cont'd.

4464* July	Wind Speed (m.p.h.) 1-3	4-7	8-12	13-18	19-24	25-31	32-38	39-46	47 & over	Total %	Mean Speed
N-------	0.4	1.1	1.7	0.6	#					3.8	8.5
NNE-----	0.5	1.3	2.2	1.2	0.1					5.3	8.6
NE------	0.8	1.9	2.1	1.0	0.1					5.9	8.4
ENE-----	0.6	1.0	1.2	0.7						3.5	8.0
E-------	0.8	1.1	0.8	0.2	#					2.9	6.7
ESE-----	0.3	0.9	1.2	0.5						2.9	8.5
SE------	0.4	0.9	1.7	0.6	#					3.6	8.7
SSE-----	0.4	1.3	2.2	1.4						5.3	9.5
S-------	0.7	1.3	2.3	0.9	#					5.2	8.3
SSW-----	1.1	2.4	3.6	1.5	0.4					9.0	8.1
SW------	2.9	5.6	5.0	2.1	0.3					15.9	8.0
WSW-----	1.3	2.5	3.7	1.7	0.2	#				9.4	8.8
W-------	0.5	1.7	2.1	1.4	0.1	0.1				5.9	8.9
WNW-----	0.4	0.9	1.9	1.3	0.4	0.1				5.0	11.1
NW------	0.6	1.6	2.8	2.0	0.3	0.1	#			7.4	10.4
NNW-----	0.2	0.9	2.2	1.6	0.1	#				5.0	11.0
Calm----										4.0	
Totals--	11.9	26.4	36.7	18.7	2.0	0.3	#			100.0	8.6

4464* August	1-3	4-7	8-12	13-18	19-24	25-31	32-38	39-46	47 & over	Total %	Mean Speed
N-------	0.7	0.7	1.6	0.6	0.1					3.7	8.3
NNE-----	0.7	1.7	2.9	1.3	0.1	#	#			6.7	9.2
NE------	1.4	2.1	2.6	1.2	0.2	#				7.5	8.5
ENE-----	0.6	0.9	1.5	0.6	0.1	0.1				3.8	8.6
E-------	0.9	1.8	1.9	0.4	#	#	#	#		5.0	7.9
ESE-----	0.3	1.1	0.9	0.6	0.1	#				3.0	8.0
SE------	0.5	1.0	1.3	1.0	0.1	0.1				4.0	8.8
SSE-----	0.5	1.5	2.1	1.1	0.1					5.3	8.7
S-------	1.3	1.9	2.6	0.7	0.1					6.6	8.2
SSW-----	1.4	3.1	2.7	1.2	0.2					8.6	7.4
SW------	3.1	5.6	3.7	1.4	0.2					14.0	6.8
WSW-----	0.9	2.8	2.6	0.9	0.1					7.3	7.9
W-------	1.2	1.5	2.4	1.1	0.2					6.4	7.8
WNW-----	0.4	1.0	1.4	1.0	0.2			#		4.0	9.5
NW------	0.7	1.2	2.1	1.2	0.2	#				5.4	9.4
NNW-----	0.3	0.8	1.9	1.5	0.2	0.1	#			4.8	11.3
Calm----										3.9	
Totals--	14.9	28.7	34.2	15.8	2.2	0.3	#	#		100.0	8.1

4320* September	1-3	4-7	8-12	13-18	19-24	25-31	32-38	39-46	47 & over	Total %	Mean Speed
N-------	0.2	1.1	1.7	0.6	0.1		0.1			3.8	9.3
NNE-----	0.4	2.2	4.3	1.5	0.1	#				8.5	9.4
NE------	1.5	3.0	3.1	1.5	0.1					9.2	8.1
ENE-----	0.6	1.1	1.2	0.4	0.1					3.4	7.5
E-------	1.1	1.6	1.3	0.1						4.1	6.1
ESE-----	0.3	1.1	1.8	0.6	#	#				3.8	8.5
SE------	0.6	0.8	1.2	0.8	#					3.4	8.5
SSE-----	0.5	0.7	1.8	1.6	0.1	#				4.7	9.5
S-------	0.6	1.3	1.9	1.0	0.1					4.9	8.4
SSW-----	0.9	2.5	2.8	1.6	0.3	#				8.1	8.1
SW------	2.6	5.7	3.1	1.5	0.1					13.0	6.8
WSW-----	1.4	2.4	2.3	1.0	0.2	#				7.3	7.7
W-------	0.9	2.1	1.9	1.4	0.2					6.5	8.6
WNW-----	0.3	1.0	1.6	1.1	0.2	0.1	#			4.3	10.4
NW------	0.6	1.6	2.8	2.0	0.3	#				7.3	10.5
NNW-----	0.2	0.9	1.8	1.6	0.3	0.1				4.9	11.4
Calm----										2.8	
Totals--	12.7	29.1	34.6	18.3	2.2	0.2	0.1			100.0	8.5

4464* October	1-3	4-7	8-12	13-18	19-24	25-31	32-38	39-46	47 & over	Total %	Mean Speed
N-------	0.4	0.6	1.7	1.5	0.1					4.3	10.6
NNE-----	0.5	2.1	3.2	2.7	0.4	#				8.9	10.4
NE------	1.2	3.2	3.1	2.0	0.2	#				9.7	8.6
ENE-----	0.6	0.9	1.7	1.3	0.2	#				4.7	9.4
E-------	0.9	0.9	1.3	1.0	0.2	0.1		#		4.4	8.3
ESE-----	0.2	1.2	1.3	0.6	0.1	0.1	0.1	0.1		3.7	10.4
SE------	0.5	0.6	0.8	0.5		#				2.4	8.6
SSE-----	0.4	1.2	1.2	0.3	#		#			3.1	7.7
S-------	0.7	1.8	0.9	0.3				#		3.7	6.4
SSW-----	1.1	2.9	2.3	1.4	0.1	0.1	#			7.9	7.6
SW------	2.9	5.1	3.3	1.1	0.1	#				12.5	6.7
WSW-----	1.7	3.5	3.4	1.7	0.2	#				10.5	7.9
W-------	0.9	2.0	2.3	1.2	0.2					6.6	8.3
WNW-----	0.4	1.1	1.8	1.2	0.4	0.1				5.0	10.8
NW------	0.4	0.9	1.5	1.7	0.4	0.2	#			5.1	12.0
NNW-----	0.3	0.7	2.1	2.6	0.5	0.1				6.3	12.4
Calm----										1.2	
Totals--	13.1	28.7	31.9	21.1	3.1	0.7	0.1	0.1		100.0	9.2

4320* November	1-3	4-7	8-12	13-18	19-24	25-31	32-38	39-46	47 & over	Total %	Mean Speed
N-------	0.4	1.1	1.2	0.8	0.3					3.8	9.7
NNE-----	1.0	2.2	2.7	1.2	0.3	0.2	#	#		7.6	9.1
NE------	1.2	2.4	2.1	1.3	0.1	0.1	#	#		7.2	8.3
ENE-----	0.8	0.9	0.9	0.7	0.1	#				3.4	8.3
E-------	0.9	1.2	0.7	0.5	0.2	0.1	#	#	0.1	3.7	9.5
ESE-----	0.4	0.6	0.9	0.6	0.1	0.1			0.1	2.8	12.8
SE------	0.4	0.8	0.6	0.4	0.1	#				2.3	7.7
SSE-----	0.3	0.6	0.7	0.3			#			1.9	8.3
S-------	0.7	1.0	0.8	0.5	0.1					3.1	7.5
SSW-----	1.3	2.5	1.6	0.7	0.3	0.1	#			6.5	8.5
SW------	2.4	4.7	3.2	2.1	0.6	0.1	#			13.1	8.3
WSW-----	1.2	2.8	2.5	1.8	0.5	0.1	#			8.9	9.3
W-------	1.1	1.8	2.9	2.6	0.9	0.2	0.1			9.6	11.1
WNW-----	0.4	1.4	2.2	2.7	0.8	0.1				7.6	11.6
NW------	0.4	0.8	2.9	2.9	0.9	0.3				8.2	12.8
NNW-----	0.4	0.6	2.3	2.7	1.0	0.3				7.3	12.7
Calm----										3.0	
Totals--	13.3	25.4	28.2	21.8	6.3	1.7	0.1	#	0.2	100.0	9.8

4464* December	1-3	4-7	8-12	13-18	19-24	25-31	32-38	39-46	47 & over	Total %	Mean Speed
N-------	0.1	0.6	1.4	1.1	0.2	0.1				3.5	11.5
NNE-----	0.3	1.2	2.3	1.3	0.1					5.2	10.0
NE------	0.5	1.8	3.1	1.9	0.2	0.1				7.6	10.4
ENE-----	0.2	1.0	1.2	0.9	0.1	#	#			3.4	10.2
E-------	0.5	0.7	0.5	0.1	#					1.8	6.4
ESE-----	0.2	0.7	0.7	0.2	0.3	0.1	#			2.2	10.0
SE------	0.2	0.2	0.2	0.1	0.1					0.8	8.2
SSE-----	0.1	0.2	0.7	0.6	0.2	#				1.8	12.6
S-------	0.6	0.6	0.6	0.4	0.1					2.3	7.9
SSW-----	0.9	2.2	2.0	1.3	0.4	0.2	#			7.0	8.6
SW------	1.6	3.9	3.7	1.6	0.2	#				11.0	7.9
WSW-----	0.7	3.5	4.6	2.3	0.2					11.3	9.2
W-------	0.9	2.4	4.3	3.1	0.7	0.2		#		11.6	11.0
WNW-----	0.2	1.4	3.9	5.2	1.6	0.4				12.7	13.2
NW------	0.2	1.1	3.1	3.8	1.5	0.2	#			9.9	13.5
NNW-----	0.1	0.6	1.8	2.8	1.5	0.2	#			7.0	14.3
Calm----										0.9	
Totals--	7.3	22.1	34.1	26.7	7.4	1.5	#	#		100.0	10.8

Less than 0.05 per cent.
* Number of Hourly Observations. (m.p.h.) refers to statute miles per hour.
Refer to Graph G for LaGuardia annual surface wind rose.

AIR MOISTURE CONTENT

Table 25. Mean and Distribution* of Relative Humidity (July 1950-June 1956), Expressed in Percentage.

Month	Mean Relative Humidity				Frequency of Occurrence of Relative Humidity Less than Stated Values *																			
					Midnight Frequency in %					7 a.m. Frequency in %					Noon Frequency in %					7 p.m. Frequency in %				
	Mid-night	7 am	Noon	7 pm	95	75	50	25	05	95	75	50	25	05	95	75	50	25	05	95	75	50	25	05
New York, City Office																								
January------	67	72	64	64	93	76	65	54	44	96	86	69	59	49	94	80	61	50	40	93	74	61	52	41
February-----	67	69	60	63	94	77	64	57	40	93	81	69	59	46	92	71	57	48	38	93	72	60	50	38
March--------	66	71	60	61	95	79	63	51	44	96	84	69	59	48	95	76	53	44	36	92	73	58	44	34
April--------	69	72	57	61	92	84	70	55	41	96	84	73	60	44	92	70	54	42	32	92	79	62	45	29
May----------	69	73	64	60	96	82	70	56	39	96	88	72	58	46	94	82	63	46	31	95	72	59	47	27
June---------	72	75	57	60	94	84	72	59	48	95	86	73	64	55	86	66	53	45	35	89	73	58	46	35
July---------	72	76	54	58	93	83	72	63	47	93	85	76	66	53	83	64	51	43	35	88	69	55	46	34
August-------	76	79	60	65	95	87	76	66	51	97	90	81	69	54	88	73	57	47	35	92	79	64	51	37
September----	73	78	59	64	94	85	74	62	50	96	89	78	69	58	90	69	55	46	37	90	79	62	51	39
October------	72	77	61	64	93	84	72	60	46	95	89	78	66	52	93	73	57	47	33	91	79	63	50	37
November-----	69	74	62	65	93	81	68	60	49	95	83	74	66	52	94	75	58	50	40	93	76	60	52	42
December-----	67	71	63	64	92	78	65	56	47	95	81	69	61	52	94	73	58	46	43	93	76	59	52	43

Month	Mean Relative Humidity				Frequency of Occurrence of Relative Humidity Less than Stated Values *																			
					1 a.m. Frequency in %					7 a.m. Frequency in %					1 p.m. Frequency in %					7 p.m. Frequency in %				
	1 am	7 am	1 pm	7 pm	95	75	50	25	05	95	75	50	25	05	95	75	50	25	05	95	75	50	25	05
New York, LaGuardia Airport																								
January------	67	71	60	63	95	83	62	55	45	96	84	67	58	48	94	76	54	44	34	94	77	60	50	38
February-----	67	70	57	62	95	80	64	54	43	95	82	68	57	47	95	70	50	41	34	95	74	59	48	35
March--------	67	69	55	61	96	84	62	51	41	95	84	68	54	44	94	69	49	38	28	94	76	62	45	30
April--------	70	69	53	64	96	84	71	57	43	94	83	68	58	43	92	66	48	35	24	93	78	65	48	29
May----------	72	69	50	62	96	86	72	59	43	95	83	68	55	42	90	63	46	33	23	94	76	61	48	31
June---------	75	68	52	63	94	85	76	64	51	92	79	68	57	49	87	62	48	40	28	89	75	62	49	39
July---------	74	71	49	61	91	84	75	64	52	90	80	69	61	52	81	60	45	37	29	88	74	60	49	34
August-------	77	75	55	68	94	87	77	68	56	93	85	76	65	52	87	64	52	40	31	91	82	69	56	38
September----	76	76	54	67	93	87	78	66	54	94	85	76	67	57	88	65	50	41	32	90	81	66	54	42
October------	73	75	53	66	94	85	75	61	49	95	86	76	64	50	92	66	50	39	28	89	79	66	46	40
November-----	70	72	56	64	95	82	68	58	51	96	84	71	62	50	91	70	51	41	32	94	77	61	50	41
December-----	67	68	57	62	94	78	62	56	45	95	78	66	57	48	92	68	50	45	36	93	77	57	50	41

Month	Mean Relative Humidity				Frequency of Occurrence of Relative Humidity Less than Stated Values *																			
					1 a.m. Frequency in %					7 a.m. Frequency in %					1 p.m. Frequency in %					7 p.m. Frequency in %				
	1 am	7 am	1 pm	7 pm	95	75	50	25	05	95	75	50	25	05	95	75	50	25	05	95	75	50	25	05
Newark Airport, N. J.																								
January------	70	73	58	65	96	85	68	57	49	98	89	71	60	50	94	72	51	44	32	95	80	64	50	39
February-----	69	72	55	63	96	83	66	56	49	96	84	71	60	48	93	66	49	42	33	94	74	60	50	38
March--------	69	71	55	61	96	85	65	53	44	96	85	69	58	45	96	76	47	37	27	94	75	60	45	35
April--------	72	70	52	62	94	86	72	60	44	97	84	68	57	45	93	64	50	34	23	94	80	62	45	28
May----------	72	68	48	59	96	86	74	61	41	95	86	67	52	41	94	76	58	45	26	87	62	46	31	22
June---------	76	70	51	62	94	88	77	67	53	94	82	68	59	48	90	62	46	39	28	91	75	60	50	36
July---------	77	71	47	60	94	87	77	69	54	91	81	72	62	52	75	56	44	36	29	90	70	58	48	36
August-------	80	77	54	68	95	90	82	72	57	95	87	80	66	54	86	63	51	41	31	94	80	69	54	40
September----	81	79	54	68	96	91	83	74	60	96	90	81	70	58	88	65	51	40	32	95	81	70	57	45
October------	79	81	52	68	95	89	82	70	54	98	91	83	70	59	91	65	48	37	28	92	81	67	55	44
November-----	83	78	55	66	96	84	75	65	52	98	89	79	67	57	94	69	50	40	31	94	78	63	54	44
December-----	71	73	57	65	97	82	68	60	51	97	85	71	63	53	94	70	50	44	35	95	81	61	51	42

See Table 5 for corresponding data for dry-bulb temperature.

* At midnight in July the mean relative humidity at New York, City Office was 72 percent and at this hour a relative humidity of less than 47 percent occurred less than 5% of the time.
At LaGuardia Airport at 1 a.m. in July the mean relative humidity was 74 percent and at this hour a relative humidity of less than 52 percent occurred less than 5% of the time.

AIR MOISTURE CONTENT

Table 26. Mean and Distribution* of Wet-Bulb Temperature (°F).

Month	Mean				Frequency of Occurrence of Wet-Bulb Temperature (°F) greater than Stated Values *																			
					Midnight Frequency in %					7 a.m. Frequency in %					Noon Frequency in %					7 p.m. Frequency in %				
	Mid-night	7 am	Noon	7 pm	95	75	50	25	05	95	75	50	25	05	95	75	50	25	05	95	75	50	25	05
New York, City Office (June 1950-May 1956)																								
January------	30	29	31	32	16	24	29	36	46	15	22	28	36	47	19	26	31	37	47	19	26	31	37	47
February-----	32	31	34	34	16	27	33	37	47	14	25	31	42	46	19	29	33	39	48	19	30	34	40	48
March--------	35	34	37	38	22	30	35	39	48	22	28	34	39	48	24	31	37	42	51	25	32	36	41	51
April--------	45	43	47	47	35	40	44	49	58	32	38	43	48	56	36	42	46	51	61	37	42	46	50	60
May----------	52	51	54	54	44	49	54	60	66	40	46	50	55	64	43	50	54	59	67	41	47	51	57	65
June---------	61	60	64	63	51	57	60	65	71	52	56	60	64	70	54	59	64	68	74	54	58	62	67	73
July---------	66	66	68	68	57	63	67	70	73	57	62	66	70	72	58	64	68	72	76	60	64	68	71	75
August-------	66	65	67	66	57	62	66	69	73	54	60	65	69	73	58	63	68	72	76	59	63	67	72	75
September----	60	59	61	61	48	55	60	64	71	47	54	58	64	70	50	56	62	66	73	50	57	61	66	73
October------	52	50	54	54	38	46	52	58	65	37	44	50	56	64	42	49	54	60	68	41	48	54	59	67
November-----	40	40	43	42	28	34	39	47	57	27	33	39	47	56	30	37	41	49	57	30	36	41	50	57
December-----	32	31	34	34	15	26	32	37	51	14	25	31	37	50	18	27	33	39	51	20	28	33	40	54

Month	Mean				Frequency of Occurrence of Wet-Bulb Temperature (°F) greater than Stated Values *																			
					1 a.m. Frequency in %					7 a.m. Frequency in %					1 p.m. Frequency in %					7 p.m. Frequency in %				
	1 am	7 am	1 pm	7 pm	95	75	50	25	05	95	75	50	25	05	95	75	50	25	05	95	75	50	25	05
New York, LaGuardia Airport (January 1950-December 1955)																								
January------	32	31	34	33	19	25	32	38	48	18	23	30	38	49	21	28	34	39	52	20	27	32	38	49
February-----	31	30	35	33	15	27	32	37	47	12	25	32	37	46	19	30	35	41	50	17	29	34	39	47
March--------	34	34	38	37	23	29	35	39	49	23	29	34	40	49	28	33	39	44	53	26	33	30	42	50
April--------	45	44	48	46	31	40	44	48	56	31	40	45	49	55	37	44	48	53	61	37	43	46	51	57
May----------	52	52	56	54	44	48	52	56	63	44	48	52	57	64	47	51	56	61	67	47	50	54	59	64
June---------	61	61	64	63	52	57	60	65	71	52	57	61	66	71	55	60	65	68	75	54	58	63	67	74
July---------	67	67	68	68	60	64	67	71	73	59	64	68	70	73	61	65	70	73	77	61	65	68	72	76
August-------	66	66	68	67	59	63	67	70	74	58	62	66	71	74	60	65	69	73	76	60	64	68	72	75
September----	60	59	62	62	48	56	60	65	71	47	54	59	65	71	52	58	63	67	74	51	57	62	66	73
October------	52	51	55	54	41	46	52	59	67	40	45	52	57	65	45	50	55	61	70	43	49	54	60	68
November-----	41	40	61	43	29	35	40	48	56	27	34	39	47	56	32	37	43	51	59	31	36	41	51	58
December-----	33	32	35	34	18	26	32	39	53	18	24	32	38	51	22	29	35	40	53	21	27	33	40	52

Month	Mean				Frequency of Occurrence of Wet-Bulb Temperature (°F) greater than Stated Values *																			
					1 a.m. Frequency in %					7 a.m. Frequency in %					1 p.m. Frequency in %					7 p.m. Frequency in %				
	1 am	7 am	1 pm	7 pm	95	75	50	25	05	95	75	50	25	05	95	75	50	25	05	95	75	50	25	05
Newark Airport, N. J. (January 1950-December 1955)																								
January------	30	29	34	32	14	24	30	36	47	13	22	28	36	49	19	29	33	39	51	17	26	32	37	48
February-----	30	29	35	32	15	25	31	35	44	11	23	30	35	45	18	31	35	41	49	16	29	33	38	45
March--------	33	33	40	37	20	28	34	38	48	22	27	33	38	49	27	33	38	44	53	24	32	37	42	50
April--------	44	43	48	47	31	39	44	47	59	30	39	44	48	56	38	44	48	53	60	36	42	46	51	60
May----------	51	52	57	54	41	47	51	56	63	42	48	52	57	65	46	52	56	62	68	45	50	54	60	66
June---------	60	61	65	64	50	56	60	65	72	52	57	61	65	71	55	60	65	69	75	54	59	63	68	74
July---------	66	67	69	68	58	62	66	70	73	58	63	67	71	73	61	65	70	74	76	60	65	69	72	75
August-------	65	65	69	67	56	61	65	70	74	56	61	65	70	74	60	64	69	73	76	58	63	67	72	75
September----	59	58	63	61	47	53	59	65	71	46	53	58	64	71	52	57	63	67	74	51	57	61	66	73
October------	50	49	55	53	36	43	49	57	66	35	42	49	54	66	40	43	55	61	70	40	48	52	58	67
November-----	39	38	44	41	27	32	38	45	56	26	31	37	43	55	31	37	43	50	60	29	35	40	48	57
December-----	31	30	35	33	16	24	30	36	54	16	23	29	35	49	23	29	34	40	52	20	26	32	38	51

Refer to Table 5 for corresponding data for dry-bulb temperature.

* For example: at 7 a.m. in July at the New York City Office the mean wet-bulb temperature was 66° and at this hour a wet-bulb temperature greater than 57° occurred more than 95% of the time; while at 1 a.m. in July at LaGuardia Airport, N. Y., the mean wet-bulb temperature was 67°, and that hour a wet-bulb temperature greater than 60° occurred more than 95% of the time.

Table 27. Percentage Frequency and Mean of Discomfort Index .

New York, LaGuardia Airport (July 1948-June 1956)

Index °F \ Period	January (5952*)					February (5424*)					March (5952*)					April (5760*)				
	Midn-5 am	6 am-11 am	12 m-5 pm	6 pm-11 pm	All Hours	Midn-5 am	6 am-11 am	12 m-5 pm	6 pm-11 pm	All Hours	Midn-5 am	6 am-11 am	12 m-5 pm	6 pm-11 pm	All Hours	Midn-5 am	6 am-11 am	12 m-5 pm	6 pm-11 pm	All Hours
< 55	96.8	95.2	91.9	95.2	94.8	97.8	97.3	91.2	96.9	95.8	94.4	91.5	81.5	91.1	89.6	75.0	62.1	38.8	58.8	57.1
55-58	2.0	3.2	6.0	4.0	3.8	2.2	2.2	6.2	2.7	3.3	4.0	5.6	10.9	8.1	7.2	16.7	21.3	25.0	22.9	21.5
59-62	.8	1.6	1.2	.4	1.0		.4	1 3	.4	.6	.8	2.4	5.2	.4	2.2	5.0	10.8	17.5	11.7	11.3
63-66	.4		.4	.4	.3			.9		.2	.8	.4	2.0		.8	3.3	4.2	10.8	5.4	5.9
67-70			.4		.1			.4		.1			.4	.4	.2		1.7	6.7	1.3	2.4
71-74																		1.3		.3
Mean	41.1	41.6	44.1	42.5	42.3	41.2	41.9	45.3	43.2	42.8	43.6	44.7	48.7	45.9	45.6	51.3	53.2	56.8	53.8	53.8

Index °F \ Period	May (5952*)					June (5760*)					July (5952*)					August (5952*)				
	Midn-5 am	6 am-11 am	12 m-5 pm	6 pm-11 pm	All Hours	Midn-5 am	6 am-11 am	12 m-5 pm	6 pm-11 pm	All Hours	Midn-5 am	6 am-11 am	12 m-5 pm	6 pm-11 pm	All Hours	Midn-5 am	6 am-11 am	12 m-5 pm	6 pm-11 pm	All Hours
< 55	27.4	12.5	3.6	11.7	13.8	.4				.1										
55-58	31.5	27.8	16.5	28.6	26.1	5.0	2.9		1.3	2.3										
59-62	25.4	27 0	19.4	24.6	24.1	20.8	7.9	4.6	11.7	11.3	.8				.2	3.6	.8		.4	1.2
63-66	9.7	20.2	27.0	21.8	19.7	30.8	27.1	14.2	23.8	24.0	11.7	2.8	.8	1.6	4.3	21.4	10.9	.8	6.5	9.8
67-70	5.6	7.7	20.6	10.5	11.1	26.7	24.2	21.3	26.3	24.6	33.9	24.2	6.9	24.6	22.4	31 9	30.6	17.3	31.5	27.8
71-74	.4	4.8	9.7	2.8	4.4	12.1	25.0	27.1	23.3	21.9	41.1	39.1	28.2	41.9	37.6	33.5	33.9	34.7	39.5	35.4
75-78			2.8		.7	3.8	10.8	22.1	10.8	11.9	12.5	29.0	35.9	24.2	25.4	9.3	19.8	31.0	16.9	19.3
79-82			.4		.1	.4	1.7	9.2	2.1	3.3		4.8	24.6	7.7	9.3	.4	4.0	11.7	4.8	5.2
83-86							.4	1.7	.8	.7			3.6		.9			4.0	.4	1.1
87-90																		.4		.1
Mean	57.9	60.5	64.1	60.7	60.8	65.9	68.7	72.0	68.7	68.7	70.6	73.0	76.1	73.2	73.3	69.6	71.5	74.4	71.7	71.9

Index °F \ Period	September (5760*)					October (5952*)					November (5760*)					December (5952*)				
	Midn-5 am	6 am-11 am	12 m-5 pm	6 pm-11 pm	All Hours	Midn-5 am	6 am-11 am	12 m-5 pm	6 pm-11 pm	All Hours	Midn-5 am	6 am-11 am	12 m-5 pm	6 pm-11 pm	All Hours	Midn-5 am	6 am-11 am	12 m-5 pm	6 pm-11 pm	All Hours
< 55	2.1	2.1	.4	.8	1.4	31 5	21.0	9.3	13.3	18.8	75.8	72.5	59.2	69.6	69.3	92.3	92.3	87.1	91.5	90.9
55-58	12.1	7.1	1.7	4.2	6.3	24.2	27.4	13.3	29.8	23.7	15.0	14.6	19.2	13.8	15.6	4.0	4.8	8.1	4.8	5.4
59-62	24.6	19.2	6.3	18.8	17.2	21.4	22.2	27.4	23.0	23.5	5.4	8.3	10.4	11.7	9.0	3.6	2.4	4.8	3.6	3.6
63-66	25.8	24.2	25.4	27.1	25.6	13.7	17.7	22.6	20.6	18.6	3.8	3.8	8.8	3.8	5.0		.4			.1
67-70	22.1	27.5	25.4	29.6	26.1	7.7	7.7	16.5	9.3	10.3		.8	1.7	.8	.8					
71-74	10.8	15.0	25.4	15.0	16.6	1.6	3.2	6.9	3.2	3.7			.8	.4	.3					
75-78	2.5	4.6	12.1	4.2	5.8		.8	4.0	.8	1.4										
79-82		.4	2.9	.4	.9															
83-86			.4		.1															
Mean	64.4	66.0	69.2	66.4	66.5	58.0	59.3	63.0	60.1	60.1	49 6	50.5	53.3	51.2	51.2	42.3	43.0	45.5	43.6	43.6

Newark Airport, N. J. (July 1948-June 1956)

Index °F \ Period	January (5952*)					February (5424*)					March (5952*)					April (5760*)				
	Midn-5 am	6 am-11 am	12 m-5 pm	6 pm-11 pm	All Hours	Midn-5 am	6 am-11 am	12 m 5 pm	6 pm-11 pm	All Hours	Midn-5 am	6 am-11 am	12 m-5 pm	6 pm-11 pm	All Hours	Midn-5 am	6 am-11 am	12 m-5 pm	6 pm-11 pm	All Hours
< 55	97.2	96.0	91.9	96.8	95.5	98.7	97.3	91.2	96.9	96.0	96.0	92.3	80.6	89.9	89.7	78.8	60.4	40.0	59.6	59.7
55-58	1.2	2.0	4.8	2.0	2.5	.9	2.2	5 3	2.7	2.8	3.2	4.4	10.9	7.7	6.6	12.5	22.9	25.0	21.3	20.4
59-62	1.6	2.0	2.4	.4	1.6	.4	.4	1.8	.4	.8		2.4	4.8	1.6	2.2	4.6	9.2	13.3	10.4	9.4
63-66			.4	.8	.3			1.3		.3	.8	.8	2.8	.4	1.2	4.2	5.4	12.1	7.1	7.2
67-70			.4		.1			.4		.1			.4	.4	.2		2.1	6.7	1.3	2.5
71-74													.4		.1			2.1	.4	.6
75-78																		.8		.2
Mean	39.8	40.6	44.0	41.6	41.4	40.0	41.2	45.5	42.4	42.3	42.6	44.4	48.7	45.5	45.3	50.5	53.2	57.1	53.7	53.6

Index °F \ Period	May (5952*)					June (5760*)					July (5952*)					August (5952*)				
	Midn-5 am	6 am-11 am	12 m-5 pm	6 pm-11 pm	All Hours	Midn-5 am	6 am-11 am	12 m 5 pm	6 pm-11 pm	All Hours	Midn-5 am	6 am-11 am	12 m-5 pm	6 pm-11 pm	All Hours	Midn-5 am	6 am-11 am	12 m-5 pm	6 pm-11 pm	All Hours
< 55	32.7	12.1	3.2	12.9	15.2	.4				.1										
55-58	31.5	26.2	14.1	27.0	24.7	10.0	2.1	.4	2.1	3.6						1.6				.4
59-62	20.6	26.6	23.4	25.0	23.9	22.9	7.9	3.3	12.1	11.6	.3.6				.9	8.9	.8		1.6	2.8
63-66	10.5	21.4	22.2	20.2	18.5	30.8	28.8	14.2	22.1	24.0	22.6	.3.6	.4	2.8	7.4	23.4	11.7	.8	11.7	11.9
67-70	4.4	8.5	21.8	11.3	11.5	22.5	22.9	22.5	28.8	24.2	31.5	21.8	4.8	24.6	20.6	33.1	34.7	15.3	31.9	28.7
71-74	.4	5.2	9.7	3.6	4.7	10.4	26.7	25.8	22.1	21.3	37.1	39.9	27.0	39.1	35.8	26.2	31.5	33.5	35.5	31.7
75-78			5.2		1.3	2.5	9.2	19.6	10.8	10.5	5.2	29.4	34.7	28.2	24.4	6.9	17.3	33.1	15.7	18.2
79-82			.4		.1	.4	2.1	11.7	1.7	3.9		5.2	25.8	5.2	9.1		4.0	12.1	3.6	4.9
83-86							.4	2.1	.4	.7			7.3		1.8			4.8		1.2
87-90								.4		.1								.4		.1
Mean	57.2	60.7	64.5	60.7	60.8	64.9	68.8	72.2	68.5	68.6	69.4	73.0	76.7	72.9	73.0	68.3	71.2	74.8	71.2	71.4

Index °F \ Period	September (5760*)					October (5952*)					November (5760*)					December (5952*)				
	Midn-5 am	6 am-11 am	12 m-5 pm	6 pm-11 pm	All Hours	Midn-5 am	6 am-11 am	12 m 5 pm	6 pm-11 pm	All Hours	Midn-5 am	6 am-11 am	12 m-5 pm	6 pm-11 pm	All Hours	Midn-5 am	6 am-11 am	12 m-5 pm	6 pm-11 pm	All Hours
< 55	9.6	2.1	.4	1.3	3.3	48.0	31.9	10.1	26.2	29.0	83.3	80.0	61.7	75.0	72.6	94.0	93.5	88.7	94.0	92.5
55-58	18.3	8.3	1.7	6.3	8.6	20.6	23.4	14.5	25.8	21.1	7.9	10.8	15.4	14.6	11.8	2.0	4.0	6.9	3.2	4.0
59-62	21.7	22.5	7.1	21.7	18.2	14.5	21.0	24.2	20.6	20.1	5.8	5.4	11.7	7.1	7.3	3.6	2.4	3.6	2.0	2.9
63-66	24.2	25.8	22.9	28.8	25.4	11.3	13.7	25.4	17.3	16.9	2.5	2.9	7.5	1.7	3.5	.4		.8	.8	.5
67-70	16.7	24.6	22.9	23.3	21.9	4.8	7.3	14.5	7.3	8.5	.4	.8	2.5	1.7	1.3					
71-74	7.9	12.1	29.2	15.0	16.0	.8	2.8	6.0	2.8	3.1			.8		.2					
75-78	1.7	3.8	10.8	3.3	4.9			4.8		1.2			.4		.1					
79-82		.8	4.6	.4	1.5			.4		.1										
83-86			.4		.1															
Mean	62.5	65.2	69.4	65.6	65.7	55.6	58.1	62 9	58.7	58.8	47.5	49.1	53.1	49.6	49.8	40.4	41.5	45.1	42.2	42.3

* Number of hourly observations

The "Discomfort Index" used in Table 27 is an adjusted average of the simultaneous wet-bulb and dry-bulb temperature readings. The adjustment is expressed by the equation DI = 0.4 (Td + Tw)+15 where DI is the adjusted discomfort index, Td is the dry-bulb temperature in °F as recorded in the shade and Tw is the corresponding simultaneous wet-bulb temperature value. This adjustment improves the simple average of the wet-bulb and dry-bulb temperatures, so that the result is closely parallel in numerical value to the corresponding effective temperature readings. The close agreement includes all summertime dry-bulb and wet-bulb temperature combinations recorded in the United States except when the dry-bulb temperature is 115° or higher. At these temperatures the adjusted discomfort index is somewhat above the indicated effective temperature.

Effective temperature , as defined by the American Society of Heating and Air Conditioning Engineers, has long been used as giving the various combinations of dry-bulb temperature and relative humidity which cause the same sensation of comfort (or discomfort) to the majority of people. An effective temperature value is usually secured by referring each pair of simultaneous dry-bulb and wet-bulb temperatures (or dry-bulb and relative humidity readings) to the standard effective temperature graph. It follows that this method is not practicable when large quantities of data are to be evaluated. The adjusted discomfort index concept on the other hand is easily handled by machine methods.

The sensation of discomfort varies somewhat with the individual, the season and with local conditions. Most people will be uncomfortable when the adjusted discomfort index approaches 70 and they will experience increasing discomfort as this index rises. The average person then will find that discomfort increases rapidly with increase in the numerical value of the discomfort index with most people looking for relief in the form of fans or otherwise before the index reaches 80. About the only recognized standard of discomfort is the executive order issued some years ago that clerical employees of the government in the Washington, D. C., area may be dismissed, if work permits, whenever conditions in the occupied quarters reach what approximates an adjusted discomfort index value of 85 (or when conditions are worse as would be indicated by an even higher index value). The following table gives a few selected examples of the temperature and humidity combinations which cause these higher index values.

Adjusted Discomfort Index	Dry-Bulb °F	Simultaneous Relative Humidity %
85	95	55
85	100	28
85	105	15
85	110	4
87	96	61
87	110	11
89	100	51
89	110	20
91	106	40
91	120	6
93	110	34
93	120	9

It is obvious from this table that adjusted discomfort index values above 90 rarely occur in the United States since temperatures above 100° are almost always associated with relative humidity readings low enough so that the resulting index is less than 90.

The relative need for relief from summertime discomfort, a measure of air-conditioning requirements, is well indicated by the adjusted discomfort index. This index can be used to give a numerical measure of the difference in discomfort at one location from day to day, month to month, year to year as well as indicating how the average comfort conditions of one city or area compares with the corresponding conditions in other localities.

Table 28. Cooling Degree Day Totals (approximate) Based on Discomfort Index, Base 60 , New York, City Office.

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annu
1950----------	0	0	0	7	32	218	341	303	110	59	24	0	109
1951----------	0	0	0	6	109	215	357	310	216	56	0	0	126
1952----------	0	0	0	15	34	278	426	341	210	28	0	0	133
1953----------	0	0	0	7	89	233	357	318	201	34	0	0	123
1954----------	0	0	0	20	36	240	333	287	170	115	0	0	126
1955----------	0	0	0	7	96	190	450	403	173	56	0	0	137
1956----------	0	0	0	13	45	225	303	333	124	37	0	0	105
1957----------	0	0	0	29	83	287	341	287	220	23	0	0	127
8 year average	0	0	0	13	66	234	364	323	178	51	3	0	12

The total monthly cooling degree days in this table are approximated from the observations made at 7:00 a.m., noon, 7:00 p.m., and midnight, E.S.T. as published in "Local Climatological Data". It was not possible, due to limited facilities, to compile the adjusted discomfort index totals utilizing all of the 24 pair of hourly dry-bulb and wet-bulb temperatures for each day. The values as approximated are somewhat below the values which would have been secured by using all observations because the local noon reading of both dry-bulb and wet-bulb are usually lower than the hourly readings recorded at and near the time of maximum temperature. The values given may nevertheless prove useful for research in the cooling degree day problems and since a uniform base is used there will at least be a numerical method of comparing the difference in discomfort at New York from month to month and year to year.

AIR MOISTURE CONTENT

Table 29. Mean and Distribution* of Dew Point Temperature (°F).

Month	Mean				Frequency of Occurrence of Dew Point Temperature (°F) greater than Stated Values *																			
					Midnight Frequency in %					7 a.m. Frequency in %					Noon Frequency in %					7 p.m. Frequency in %				
	Mid-night	7 am	Noon	7 pm	95	75	50	25	05	95	75	50	25	05	95	75	50	25	05	95	75	50	25	05
New York, City Office (June 1950 - May 1956)																								
January------	23	23	24	24	4	14	23	32	43	2	13	22	33	46	2	15	23	33	46	5	15	24	32	45
February-----	25	24	25	26	4	19	26	33	44	0	16	25	34	42	5	17	25	35	46	8	20	27	34	44
March--------	28	28	28	29	9	20	28	35	46	9	20	28	35	46	11	20	28	36	46	11	21	28	37	49
April--------	39	38	38	39	25	32	39	45	56	23	32	38	44	54	23	31	39	45	57	24	32	38	45	56
May----------	47	46	46	47	29	40	46	54	63	31	40	46	54	63	29	38	47	53	64	30	40	47	55	63
June---------	57	56	57	56	44	52	56	63	69	46	51	56	62	68	43	51	58	63	69	42	51	56	62	69
July---------	63	62	62	61	51	58	63	68	72	50	58	64	68	71	49	56	63	67	72	48	56	63	68	71
August-------	62	62	61	62	50	57	63	68	72	48	56	63	68	72	46	56	63	68	73	48	57	62	68	73
September----	56	56	55	55	40	49	57	63	69	40	49	56	62	69	38	48	55	62	70	40	49	56	62	70
October------	47	47	47	48	30	37	47	56	64	30	37	46	55	63	29	38	47	55	65	29	39	47	56	65
November-----	35	35	36	36	19	28	33	43	55	19	28	34	42	53	20	28	34	43	55	19	27	34	44	55
December-----	26	25	26	26	3	15	24	33	50	4	17	25	33	47	6	17	26	33	48	7	17	26	34	50

Month	Mean				Frequency of Occurrence of Dew Point Temperature (°F) greater than Stated Values *																			
					1 a.m. Frequency in %					7 a.m. Frequency in %					1 p.m. Frequency in %					7 p.m. Frequency in %				
	1 am	7 am	1 pm	7 pm	95	75	50	25	05	95	75	50	25	05	95	75	50	25	05	95	75	50	25	05
New York, LaGuardia Airport (January 1950 - December 1955)																								
January------	25	24	25	25	3	15	24	35	47	4	14	24	35	48	3	16	25	35	48	3	15	26	34	47
February-----	24	24	25	25	1	16	26	34	44	-1	16	26	34	43	0	18	27	35	46	1	19	27	34	45
March--------	27	27	28	28	6	19	28	35	48	6	18	28	36	49	5	19	29	38	50	7	20	31	37	48
April--------	39	38	38	39	22	33	40	45	54	21	33	39	45	53	20	31	39	45	55	23	33	40	46	54
May----------	47	47	47	48	32	42	48	54	62	31	41	48	55	62	29	39	47	55	63	32	41	48	55	62
June---------	57	58	57	58	45	52	57	63	69	45	51	57	63	68	42	50	57	63	69	46	52	58	63	70
July---------	63	63	61	63	52	60	64	68	71	51	60	64	68	71	49	55	63	67	72	51	57	64	68	73
August-------	63	63	61	63	52	58	65	69	73	49	57	64	69	73	46	55	63	68	73	50	58	64	68	74
September----	57	56	54	57	41	51	58	64	70	40	50	57	63	70	38	48	55	62	71	41	51	58	64	71
October------	48	47	46	48	31	39	48	57	65	29	40	47	55	64	28	39	46	55	65	30	40	48	56	66
November-----	35	35	34	36	17	26	35	44	55	17	27	34	44	55	14	26	34	42	55	20	26	34	45	56
December-----	25	25	26	26	3	16	25	34	52	5	16	25	34	50	6	16	25	34	51	4	17	25	35	50

Month	Mean				Frequency of Occurrence of Dew Point Temperature (°F) greater than Stated Values *																			
					1 a.m. Frequency in %					7 a.m. Frequency in %					1 p.m. Frequency in %					7 p.m. Frequency in %				
	1 am	7 am	1 pm	7 pm	95	75	50	25	05	95	75	50	25	05	95	75	50	25	05	95	75	50	25	05
Newark Airport, N. J. (January 1950 - December 1955)																								
January------	24	23	24	24	3	14	24	33	45	3	13	23	33	48	1	15	24	34	48	4	14	25	33	47
February-----	24	23	25	24	1	16	25	32	42	0	16	24	32	42	2	17	26	33	46	0	18	25	33	44
March--------	27	27	28	28	6	18	27	35	47	6	17	27	36	48	8	19	28	37	49	8	20	29	36	48
April--------	38	38	38	39	21	32	39	45	56	22	32	38	44	54	19	32	38	46	55	21	32	40	47	56
May----------	47	47	47	47	32	41	47	55	63	30	40	48	55	62	29	39	47	56	65	27	42	47	55	63
June---------	57	57	57	58	44	52	57	62	69	44	51	57	63	69	41	51	57	63	71	43	53	58	63	71
July---------	63	63	61	63	52	58	64	69	72	51	59	64	68	72	48	55	62	67	72	51	58	63	68	72
August-------	62	62	61	63	52	58	63	69	73	50	57	63	68	73	47	55	63	68	73	49	58	64	69	74
September----	56	56	55	57	42	50	57	63	70	40	49	56	62	70	39	48	55	63	70	41	51	57	64	71
October------	46	46	46	48	30	39	46	56	64	29	39	46	53	64	26	38	46	55	66	28	40	47	56	66
November-----	35	33	34	35	19	26	33	43	55	19	26	32	40	54	17	25	33	42	57	19	26	33	43	56
December-----	25	24	25	25	4	16	25	32	54	4	15	23	32	49	6	16	24	33	50	4	16	24	33	50

Refer to Table 5 for corresponding data for dry-bulb temperatures.

* For example: at 7 a.m. in July at the New York, City Office, the mean dew point temperature was 62° and at the same hour a dew point temperature greater than 64° occurred more than 50% of the time; while at New York, La Guardia Airport, in July at 1 a.m. the mean dew point temperature was 63° and at that same hour a dew point temperature greater than 64° occurred 50% of the time.

CEILING AND VISIBILITY

Table 30. Percentage Frequency of Selected Ceiling Heights.

New York, LaGuardia Airport (July 1948-June 1956)

Month \ Ceiling Less Than	Feet 100	200	300	500	1000	2000	5000	10000
January------	0.8	1.7	3.0	5.7	11.6	18.7	32.8	44.2
February-----	0.1	0.4	1.1	4.6	10.9	16.5	28.3	39.9
March--------	0.2	0.6	1.1	4.1	12.7	17.8	30.3	41.5
April--------	0.3	0.8	3.0	2.7	8.7	15.0	26.9	41.1
May----------	0.3	1.4	2.9	6.0	11.0	16.6	24 0	35.7
June---------	0.2	0.5	1.1	2.6	7.5	12.3	20.0	27.5
July---------	0.1	0.3	0.5	1.0	3.5	8.2	14.6	20.7
August-------	#	0.2	0.4	1.1	6.9	14.3	22.4	30.0
September----	0.2	0.4	0.9	1.7	6.0	11.3	20.5	28.4
October------	0.2	0.4	0.6	1.5	5.4	10.8	21.8	29.3
November-----	0.6	1.1	2.1	4.0	8.6	15.0	26.0	36.6
December-----	0.0	0.4	0.9	2.9	9.0	14.8	28.3	37.4
Annual-------	0.3	0.7	1.5	3.2	8.5	14.2	24.6	34.3

Newark Airport, N. J. (July 1948-June 1956)

Month \ Ceiling Less Than	Feet 100	200	300	500	1000	2000	5000	10000
January------	0.8	1.2	2.0	4.8	11.9	18.1	32.1	43.6
February-----	0.1	0.3	0.7	3.2	9.7	15.4	28.1	39.5
March--------	0.1	0.3	0.8	3.5	11.9	17.4	31.1	41.1
April--------	0.2	0.5	0.9	1.9	7.6	13.7	28.1	41.4
May----------	0.1	0.5	0.9	3.0	9.6	16.4	25.5	38.4
June---------	0.1	0.2	0.4	1.9	6.2	11.4	20.0	28.6
July---------	0.0	#	0.2	0.6	3.0	8.2	16.5	24.0
August-------	0.1	0.1	0.2	0.8	5.6	14.2	23.9	31.9
September----	0.1	0.2	0.4	1.5	5.8	12.0	21.1	29.9
October------	0.6	0.7	1.0	1.7	5.5	10.9	22.5	31.4
November-----	0.2	0.6	1.0	2.9	7.7	14.2	27.6	36.8
December-----	0.4	0.7	1.2	2.9	9.3	15.0	28.4	38.1
Annual-------	0.2	0.4	0.8	2.4	7.8	13.9	25.4	35.4

Table 31. Percentage Frequency of Selected Visibilities.

New York, LaGuardia Airport (July 1948-June 1956)

Month \ Visibility Less Than	Statute Miles 1/4	1/2	1	1-1/2	3	6	10
January------	1.3	1.9	3.6	5.7	14.1	36.6	58.2
February-----	0.2	0.3	1.2	2.9	11.3	31.1	54.4
March--------	0.1	0.4	1.4	3.1	8.6	22.3	44.8
April--------	0.5	0.8	3.1	3.4	6.3	23.7	49.2
May----------	0.4	1.0	2.4	5.4	11.0	29.2	52.7
June---------	0.2	0.4	0.9	1.4	6.6	26.1	54.4
July---------	0.2	0.3	0.5	2.4	5.6	26.9	56.5
August-------	0.1	0.2	0.6	1.4	7.8	31.2	57.4
September----	0.2	0.4	0.8	1.5	6.6	25.7	50.0
October------	0.3	0.5	0.8	1.6	7.2	26.9	53.8
November-----	0.6	1.3	2.8	4.7	11.8	32.6	58.4
December-----	0.2	0.5	1.6	3.2	10.8	32.5	57.5
Annual-------	0.3	0.7	1.7	3.1	9.0	28.7	53.9

Newark Airport, N. J. (July 1948-June 1956)

Month \ Visibility Less Than	Statute Miles 1/4	1/2	1	1-1/2	3	6	10
January------	1.6	2.5	5.4	7.8	16.2	34.7	53.5
February-----	0.2	0.5	2.4	4.5	13.0	31.0	50.2
March--------	0.2	0.8	2.7	4.5	9.9	23.3	40.9
April--------	0.6	0.9	1.7	2.7	7.6	22.2	42.8
May----------	0.3	0.7	1.9	3.9	10.9	29.0	49.7
June---------	0.2	0.4	1.1	2.1	7.8	24.9	49.7
July---------	#	0.2	0.6	1.3	5.2	25.5	53.6
August-------	0.3	0.3	1.2	2.9	10.1	33.3	59.4
September----	0.2	0.4	1.8	3.5	10.5	32.6	54.1
October------	0.9	1.3	2.7	4.4	11.2	32.4	55.0
November-----	0.5	1.0	3.8	6.3	13.9	34.0	55.1
December-----	0.7	1.2	3.2	5.5	12.4	32.7	52.6
Annual-------	0.5	0.8	2.4	4.1	10.7	29.6	51.4

Less than 0.05 per cent

CEILING AND VISIBILITY

Table 32. Percentage Frequency of Selected Combinations of Ceiling and Visibility (Hourly Observations July 1948 - June 1956).

Ceiling Less Than / and/or Visibility Less Than	100 Ft. / 3/16 Mi.	200 Ft. / 1/2 Mi.	300 Ft. / 1/2 Mi.	500 Ft. / 1 Mi.	1000 Ft. / 3 Mi.	2000 Ft. / 3 Mi.	5000 Ft. / 7 Mi.
New York, LaGuardia Airport							
January------	1.2	2.1	3.2	6.4	17.0	22.6	45.1
February-----	0.2	0.4	1.2	5.0	14.9	19.4	38.1
March--------	0.2	0.7	1.4	4.9	14.5	18.9	35.8
April--------	0.5	0.9	1.5	3.0	10.2	16.1	35.2
May----------	0.4	1.6	2.8	5.7	13.7	18.9	34.3
June---------	0.2	0.5	1.1	4.1	9.0	13.4	27.1
July---------	0.2	0.4	0.6	1.1	5.4	9.7	23.9
August-------	0.1	0.2	0.4	1.3	9.5	16.2	31.2
September----	0.2	0.5	0.9	1.8	7.4	12.3	26.9
October------	0.3	0.5	0.6	1.5	7.6	12.5	28.2
November-----	0.8	1.4	2.2	4.6	11.5	17.3	33.7
December-----	#	0.7	1.3	3.5	12.4	17.0	36.9
Annual-------	0.4	0.8	1.4	3.6	11.1	16.2	33.0

Ceiling Less Than / and/or Visibility Less Than	100 Ft. / 3/16 Mi.	200 Ft. / 1/2 Mi.	300 Ft. / 1/2 Mi.	500 Ft. / 1 Mi.	1000 Ft. / 3 Mi.	2000 Ft. / 3 Mi.	5000 Ft. / 7 Mi.
New York, International Airport							
January------	1.3	3.1	3.8	6.7	14.7	20.8	41.5
February-----	0.4	1.1	2.0	5.0	12.4	17.1	33.6
March--------	0.6	1.3	2.2	6.0	14.2	18.2	32.9
April--------	0.5	1.3	2.1	4.0	10.2	15.7	32.3
May----------	1.0	2.4	3.8	7.8	14.7	19.3	32.9
June---------	0.5	1.2	2.0	4.2	9.7	13.3	25.0
July---------	0.3	0.6	0.9	1.6	5.8	9.7	22.6
August-------	0.3	0.6	1.1	2.6	9.5	15.1	28.6
September----	0.3	0.6	1.0	2.2	7.2	11.9	24.9
October------	0.4	0.9	1.3	2.5	6.8	11.1	25.1
November-----	1.0	1.7	2.5	4.7	9.8	15.0	30.9
December-----	0.6	1.5	2.4	4.3	10.7	15.2	33.4
Annual-------	0.6	1.4	2.1	4.3	10.5	15.2	30.3

Ceiling Less Than / and/or Visibility Less Than	100 Ft. / 3/16 Mi.	200 Ft. / 1/2 Mi.	300 Ft. / 1/2 Mi.	500 Ft. / 1 Mi.	1000 Ft. / 3 Mi.	2000 Ft. / 3 Mi.	5000 Ft. / 7 Mi.
Newark Airport, N. J.							
January------	1.6	2.5	2.9	6.4	17.6	22.4	42.6
February-----	0.2	0.5	0.8	4.1	14.9	18.5	36.7
March--------	0.1	0.8	1.1	4.5	14.0	18.4	35.7
April--------	0.5	0.9	1.0	2.3	10.2	15.4	34.5
May----------	0.3	0.8	1.1	3.6	45.8	18.4	33.4
June---------	0.2	0.3	0.5	2.0	8.1	12.5	26.1
July---------	#	0.1	0.2	0.8	5.2	9.6	24.3
August-------	0.1	0.2	0.3	1.3	10.0	17.0	32.0
September----	0.2	0.3	0.5	2.0	8.8	14.0	28.2
October------	0.8	1.1	1.3	2.4	8.6	13.1	28.1
November-----	0.5	1.0	1.3	4.2	12.3	17.8	34.9
December-----	0.7	1.2	1.4	4.0	13.7	18.3	36.0
Annual-------	0.4	0.8	1.0	3.1	14.1	16.3	32.7

Less than 0.05 per cent

PRESSURE

Table 33. Mean Station Pressure and Extremes of Sea Level Pressure, Inches.

	January	February	March	April	May	June	July	August	September	October	November	December	Annual
New York, City Office													
Mean Station Pressure (Length of Record - 83 Years)													
1873-1955------	29.74	29.70	29.65	29.65	29.64	29.63	29.64	29.67	29.74	29.73	29.73	29.73	29.69
Extremes of Pressure - Period of 75 years, 1881-1955 (Inches - reduced to Sea Level)													
Highest--------	31.01	31.00	31.00	30.71	30.64	30.56	30.51	30.45	30.63	30.72	30.82	31.01	31.01
Year----------	1927	1920	1943	1934	1936	1883	1892	1934	1947	1929	1932	1949	1927&1949
Lowest---------	28.61	28.70	28.38	29.03	29.02	29.34	29.35	29.21	28.72	29.06	28.70	28.73	28.38
Year----------	1913	1896	1914	1929	1929	1902	1932	1954	1938	1925	1904	1942	1914
New York, Central Park *													
Mean Station Pressure (Length of Record - 80 Years)													
1869-1948------	29.95	29.91	29.87	29.87	29.86	29.85	29.86	29.89	29.95	29.94	29.94	29.94	29.90
Extremes of Pressure - Period of 87 years, 1869-1955 (Inches - reduced to Sea Level)													
Highest--------	31.02	31.06	30.94	30.72	30.64	30.56	30.51	30.51	30.66	30.77	30.87	31.06	31.06
Year----------	1927	1876	1904	1911	1936	1884	1892	1904	1904	1879	1891	1949	1876&1949
Lowest---------	28.61	28 71	28.37	29.04	28.99	29.34	29.33	29.22	29.06	29.03	28.73	28.93	28.37
Year----------	1913	1896	1914	1929	1929	1923	1932	1893	1944	1925	1904	1944	1914
New York, LaGuardia Airport													
Mean Station Pressure (Length of Record - 16 Years)													
1940-1956------	30.03	29.98	29.94	29.94	29.92	29.91	29.94	29.95	30.03	30.03	29.99	30.02	29.97
Extremes of Pressure - Period of 16 years, 1940-1956 (Inches - reduced to Sea Level)													
Highest--------	30.88	30.94	30.99	30.72	30.57	30.46	30.39	30.46	30.66	30.66	30.71	31.02	31.02
Year----------	1949	1948	1943	1954	1956	1949	1943	1949	1947	1956	1954	1949	1949
Lowest---------	29.09	28.98	28.86	29.15	29.32	29.35	29.53	29.16	29.07	29.40	29.19	28.81	28.81
Year----------	1953	1941	1942	1956	1948	1944	1954	1954	1944	1953	1947	1942	1942
Newark Airport, N. J.													
Mean Station Pressure (Length of Record - 10 Years)													
1946-1955------	30.06	30.03	29.96	29.96	29.92	29.93	29.96	29.97	30.05	30.06	30.01	30.06	30.00
Extremes of Pressure - Period of 11 years, 1945-1955 (Inches - reduced to Sea Level)													
Highest--------	30.88	30.93	30.87	30.71	30.55	30.43	30.38	30.45	30.65	30.67	30.75	31.02	31.02
Year----------	1947	1948	1948	1954	1951	1949	1947	1954	1947	1954	1951	1949	1949
Lowest---------	29.03	29.02	28.85	29.21	29.31	29.44	29.53	29.24	29.24	29.37	29.15	29.18	28.85
Year----------	1945	1953	1947	1949	1948	1948	1948	1954	1954	1953	1950	1954	1947

* Note particularly the change in barometer elevation at New York Central Park shown in the Station Location table, page 5, since the barometer readings for period prior to 1920 have not been adjusted to present level. The annual average station pressure for that part of the period prior to 1920 was 29.83 inches.

Refer to Station Location Table for changes in barometer elevations.

Table 34. Maximum 3-Hourly Pressure Change, Thousandths of Inches, New York, LaGuardia Airport.

Year		January	February	March	April	May	June	July	August	September	October	November	December
1947	Amount	-.220	-.215	-.155	-.165	+.140	+.125	-.065	+.080	-.095	+.135	-.185	-.240
	Day Hour	20 13	4 13	2 13	16 13	26 07	3 19	31 01	27 07	19 13	24 01	8 13	16 01
1948	Amount	-.165	+.220	-.175	+.140	-.080	-.080	+.105	+.075	+.090	+.080	+.120	-.175
	Day Hour	2 01	14 19	2 13	30 19	21 13	7 13	7 07	31 19	14 19	18 07	27 19	19 13
1949	Amount	-.170	+.160	+.125	-.165	-.110	-.080	+.085	-.080	+.100	+.115	-.135	-.155
	Day Hour	22 01	11 07	19 01	6 07	22 13	4 13	6 07	29 07	23 19	26 01	13 13	26 13
1950	Amount	-.180	+.145	-.210	+.130	-.105	+.110	-.060	+.065	+.120	-.100	-.240	+.150
	Day Hour	10 13	23 19	23 01	9 07	10 01	4 07	25 01	29 19	23 19	3 13	25 13	5 07
1951	Amount	-.160	-.270	+.140	+.170	-.125	-.080	+.090	-.110	+.090	-.125	-.180	-.420
	Day Hour	7 13	7 13	24 19	23 07	2 13	14 01	20 07	21 13	26 07	28 13	7 01	18 13
1952	Amount	-.210	+.160	-.250	-.170	-.145	-.100	-.366	-.090	-.150	+.150	-.150	-.200
	Day Hour	18 01	9 07	11 13	14 01	12 01	1 01	15 *18	16 13	1 13	2 19	9 13	5 13
1953	Amount	-.170	-.370	-.190	+.125	+.130	+.080	-.080	-.120	+.150	+.120	-.150	-.185
	Day Hour	18 01	15 13	4 01	24 07	23 07	7 07	6 13	5 01	21 19	7 19	25 13	6 13
1954	Amount	-.175	+.120	-.170	+.230	-.130	-.090	-.100	-.340	+.220	-.160	-.240	-.300
	Day Hour	9 13	12 07	20 01	3 07	4 01	2 01	15 01	31 07	11 19	15 19	29 01	14 13

* Extra observation taken
Hour indicates end of 3-hour period

OTHER CLIMATIC DATA

Table 35. Time of Sunrise and Sunset at New York City, N. Y., (Eastern Standard Time).

Day	January Rise	January Set	February Rise	February Set	March Rise	March Set	April Rise	April Set	May Rise	May Set	June Rise	June Set	July Rise	July Set	August Rise	August Set	September Rise	September Set	October Rise	October Set	November Rise	November Set	December Rise	December Set
1-------	7:20	4:39	7:06	5:14	6:31	5:47	5:40	6:21	4:55	6:51	4:27	7:21	4:29	7:31	4:53	7:11	5:22	6:29	5:52	5:39	6:26	4:53	6:59	4:30
2-------	7:20	4:40	7:05	5:15	6:29	5:48	5:38	6:22	4:54	6:52	4:27	7:21	4:29	7:31	4:54	7:10	5:23	6:27	5:53	5:37	6:27	4:52	7:01	4:29
3-------	7:20	4:41	7:04	5:16	6:28	5:49	5:36	6:23	4:53	6:53	4:27	7:22	4:29	7:31	4:55	7:09	5:24	6:26	5:55	5:35	6:28	4:51	7:02	4:29
4-------	7:20	4:42	7:03	5:18	6:26	5:50	6:35	6:24	4:51	6:55	4:26	7:23	4:30	7:30	4:56	7:08	5:25	6:24	5:55	5:34	6:29	4:50	7:03	4:29
5-------	7:20	4:43	7:02	5:19	6:25	5:51	5:33	6:25	4:50	6:56	4:26	7:23	4:31	7:30	4:57	7:07	5:26	6:23	5:56	5:32	6:30	4:48	7:04	4:29
6-------	7:20	4:44	7:01	5:20	6:22	5:53	5:32	6:26	4:48	6:57	4:26	7:24	4:31	7:30	4:58	7:06	5:27	6:21	5:58	5:30	6:32	4:47	7:05	4:29
7-------	7:20	4:45	7:00	5:21	6:21	5:54	5:30	6:27	4:47	6:58	4:25	7:25	4:31	7:30	4:58	7:05	5:28	6:19	5:58	5:29	6:33	4:46	7:06	4:29
8-------	7:20	4:46	6:59	5:22	6:19	5:55	5:29	6:28	4:46	6:59	4:25	7:25	4:33	7:29	5:00	7:03	5:29	6:18	6:00	5:27	6:34	4:45	7:07	4:29
9-------	7:20	4:47	6:58	5:24	6:18	5:56	5:27	6:29	4:45	7:00	4:25	7:26	4:33	7:29	5:00	7:02	5:30	6:16	6:01	5:25	6:35	4:44	7:08	4:29
10------	7:20	4:48	6:56	5:25	6:16	5:57	5:25	6:30	4:44	7:01	4:25	7:26	4:33	7:29	5:01	7:01	5:32	6:14	6:02	5:24	6:36	4:43	7:09	4:29
11------	7:20	4:49	6:55	5:26	6:15	5:58	5:24	6:31	4:43	7:02	4:25	7:27	4:34	7:28	5:02	6:59	5:32	6:13	6:03	5:22	6:38	4:42	7:10	4:29
12------	7:19	4:50	6:54	5:27	6:14	5:59	5:22	6:32	4:42	7:03	4:25	7:27	4:34	7:28	5:03	6:58	5:33	6:11	6:04	5:21	6:39	4:41	7:10	4:29
13------	7:19	4:51	6:53	5:28	6:12	6:00	5:21	6:33	4:41	7:04	4:24	7:28	4:36	7:27	5:04	6:57	5:35	6:09	6:05	5:19	6:41	4:40	7:11	4:29
14------	7:19	4:52	6:52	5:29	6:11	6:01	5:19	6:34	4:40	7:05	4:24	7:28	4:37	7:27	5:05	6:55	5:36	6:07	6:06	5:18	6:41	4:40	7:12	4:29
15------	7:19	4:53	6:50	5:31	6:09	6:02	5:18	6:35	4:39	7:06	4:24	7:28	4:37	7:26	5:06	6:54	5:36	6:06	6:07	5:16	6:42	4:39	7:13	4:30
16------	7:18	4:55	6:49	5:32	6:07	6:04	5:16	6:36	4:38	7:07	4:25	7:29	4:38	7:25	5:07	6:53	5:38	6:04	6:08	5:15	6:43	4:38	7:13	4:30
17------	7:16	4:56	6:48	5:33	6:05	6:05	5:15	6:37	4:37	7:08	4:25	7:29	4:39	7:25	5:08	6:51	5:38	6:02	6:09	5:13	6:44	4:37	7:14	4:30
18------	7:16	4:57	6:46	5:34	6:03	6:06	5:13	6:38	4:36	7:09	4:25	7:29	4:40	7:24	5:09	6:50	5:38	6:01	6:10	5:12	6:46	4:36	7:15	4:30
19------	7:16	4:58	6:45	5:35	6:02	6:07	5:12	6:39	4:36	7:10	4:25	7:30	4:41	7:23	5:10	6:49	5:39	6:00	6:11	5:10	6:47	4:36	7:15	4:30
20------	7:16	4:59	6:44	5:36	6:00	6:08	5:10	6:40	4:36	7:10	4:25	7:30	4:41	7:23	5:11	6:47	5:40	5:58	6:12	5:09	6:48	4:35	7:16	4:31
21------	7:15	5:00	6:42	5:38	5:58	6:09	5:09	6:41	4:35	7:11	4:25	7:30	4:42	7:22	5:12	6:46	5:41	5:56	6:14	5:07	6:50	4:34	7:17	4:31
22------	7:14	5:02	6:41	5:39	5:57	6:10	5:08	6:42	4:34	7:12	4:25	7:31	4:43	7:21	5:13	6:44	5:43	5:54	6:15	5:06	6:50	4:34	7:17	4:31
23------	7:13	5:03	6:40	5:40	5:55	6:11	5:06	6:43	4:32	7:13	4:25	7:31	4:44	7:20	5:14	6:43	5:44	5:52	6:16	5:05	6:52	4:33	7:17	4:32
24------	7:12	5:04	6:38	5:41	5:54	6:12	5:05	6:44	4:32	7:14	4:26	7:31	4:46	7:19	5:15	6:41	5:45	5:50	6:17	5:03	6:52	4:33	7:18	4:33
25------	7:12	5:05	6:37	5:42	5:52	6:13	5:03	6:45	4:31	7:15	4:26	7:31	4:47	7:18	5:16	6:40	5:46	5:49	6:18	5:02	6:53	4:33	7:18	4:34
26------	7:12	5:06	6:35	5:43	5:50	6:14	5:02	6:46	4:30	7:16	4:26	7:31	4:47	7:18	5:17	6:38	5:47	5:47	6:19	5:01	6:54	4:32	7:18	4:35
27------	7:10	5:08	6:33	5:45	5:49	6:15	5:01	6:47	4:30	7:17	4:27	7:31	4:47	7:17	5:18	6:37	5:48	5:45	6:20	4:59	6:55	4:31	7:18	4:35
28------	7:09	5:09	6:32	5:46	5:47	6:16	4:59	6:48	4:29	7:18	4:27	7:31	4:48	7:16	5:19	6:35	5:49	5:44	6:21	4:58	6:56	4:31	7:19	4:36
29------	7:09	5:10	6:31	5:47	5:44	6:18	4:58	6:49	4:29	7:18	4:28	7:31	4:49	7:15	5:19	6:34	5:50	5:42	6:22	4:57	6:58	4:30	7:19	4:37
30------	7:09	5:11			5:43	6:19	4:57	6:50	4:28	7:19	4:28	7:31	4:50	7:14	5:20	6:32	5:52	5:40	6:23	4:55	6:59	4:30	7:20	4:38
31------	7:07	5:13			5:41	6:20			4:28	7:20			4:51	7:13	5:21	6:31			6:25	4:54			7:20	4:38
Duration (in minutes) of Civil Twilight, New York, N. Y., Latitude 40° 43' N., Longitude 74° 1' W.	31-30-29		28-28-28		28-27-27		28-28-28		29-30-32		33-33-33		33-33-32		30-29-28		28-28-27		27-28-28		28-29-29		30-31-31	

Twilight lengths are given in minutes for the 1st, 11th and 21st of each month, in that order. Morning civil twilight is the interval between the time when the center of the sun is 6° below the horizon and sunrise. Evening civil twilight is an equal interval between sunset and the time when the center of the sun is 6° below the horizon. Sunrise and sunset are the times when the upper edge of the sun is on the horizon. Out-of-door reading, work, and many sports may start at beginning of morning twilight and continue until end of evening twilight, if the sky is free from clouds, smoke and haze.

These times vary a little from year to year but the times shown closely approximate the actual times each year, the variation at most not being over two or three minutes.

Sunrise and Sunset at Newark Airport, N. J., is approximately one minute later than New York City.

Source: "Tables of Sunrise, Sunset and Twilight", Supplement to the American Ephemeris, 1946, U. S. Naval Observatory, Washington, D. C.

Table 36. Number of Days of Wind Speed, Fastest Mile, New York, City Office. *

Year \ m.p.h.	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	Total	Total 50 m.p.h. and over
1941----	52	45	27	26	17	4	2	1	1	2	177	27
1942----	36	47	20	18	17	4	7	5	1	0	155	34
1943----	65	44	31	16	7	6	11	0	4	0	184	28
1944----	51	49	20	15	17	5	4	2	1	2	166	31
1945----	63	35	25	16	15	6	10	0	3	1	174	35
1946----	48	43	27	16	17	5	4	3	4	0	167	33
1947----	49	40	25	16	8	8	3	4	0	0	153	23
1948----	48	31	20	18	4	5	0	1	0	0	127	10
1949----	46	34	16	20	5	2	0	1	1	0	125	9
1950----	56	35	21	11	12	11	1	2	2	0	151	28
1951----	45	33	21	11	14	2	4	8	1	1	140	30
1952----	31	24	26	14	10	8	2	3	2	1	121	26
1953----	46	26	18	16	6	8	1	2	0	0	123	17
1954----	42	32	22	15	4	7	2	1	1	1	127	16
1955----	43	23	16	16	10	12	1	0	0	0	121	23
Total---	721	541	335	244	163	93	52	33	21	8	2211	147
Mean number of days	48	36	22	16	11	6	3	2	1	1	147	25

* Distribution of days when the fastest single mile of wind speed was over 29 m.p.h.

OTHER CLIMATIC DATA

Table 37. Summary of Selected Climatic Elements.

Month	Percent of Possible Sunshine	Mean Sky Cover Sunrise to Sunset (tenths)	Mean Number of Days: Sunrise to Sunset: Clear	Partly Cloudy	Cloudy	Precipitation .01 inch or more	Snow, Sleet, Hail 1.0 inch or more	Thunderstorms	Heavy Fog	Temperatures: Maximum: 90° and above	32° and below	Minimum: 32° and below	Zero and below
New York, City Office													
(a)------	63	66	86	86	86	86	72	73	52	85	85	85	85
January------	51	6.2	8	10	13	12	2	*	3	0	8	23	*
February-----	58	5.8	8	9	11	10	2	*	2	0	6	22	*
March--------	58	5.9	8	11	12	12	2	1	2	0	2	16	0
April--------	60	5.1	8	11	11	11	*	2	2	*	*	4	0
May----------	61	5.8	9	11	11	11	0	4	2	*	0	0	0
June---------	64	5.7	8	13	9	11	0	6	1	1	0	0	0
July---------	65	5.7	8	13	10	11	0	7	1	3	0	0	0
August-------	63	5.6	9	12	10	10	0	6	*	2	0	0	0
September----	64	5.2	11	10	9	9	0	3	1	1	0	0	0
October------	63	5.0	11	10	10	9	0	1	2	*	0	*	0
November-----	56	5.8	9	10	11	9	*	1	2	0	*	6	0
December-----	53	6.5	8	10	13	10	2	*	3	0	5	20	*
Annual-------	60	5.7	105	130	130	125	8	31	21	7	21	91	*
New York, Central Park													
(a)------	80	32	32	32	32	88	86			43	43	43	43
January------	49	6.2	8	9	14	11	2			0	8	22	*
February-----	55	5.8	8	9	11	10	2			0	6	20	*
March--------	57	5.8	8	10	13	12	2			0	1	13	0
April--------	59	6.0	8	10	12	11	*			*	0	2	0
May----------	62	5.8	8	12	11	11	0			1	0	0	0
June---------	65	5.7	7	13	10	10	0			3	0	0	0
July---------	66	5.6	8	13	10	11	0			6	0	0	0
August-------	64	5.6	9	12	10	10	0			4	0	0	0
September----	63	5.2	10	10	10	8	0			1	0	*	0
October------	61	5.0	11	10	10	8	0			*	0	*	0
November-----	52	5.9	9	9	12	9	*			0	*	5	0
December-----	50	6.0	9	9	13	10	2			0	5	19	*
Annual-------	59	5.7	103	126	136	121	8			15	20	81	*
Newark Airport, N. J.													
(a)------		11	22	22	22	26	26	26	20	26	26	26	26
January------		6.8	7	8	16	12	2	*	3	0	7	24	*
February-----		6.3	7	8	13	9	2	*	2	0	5	23	*
March--------		6.2	7	10	14	12	1	1	2	0	1	16	0
April--------		6.6	7	9	14	12	*	1	2	*	*	2	0
May----------		6.8	6	12	13	12	0	4	3	1	0	0	0
June---------		6.0	6	12	12	11	0	5	2	5	0	0	0
July---------		6.0	7	12	12	10	0	7	1	9	0	0	0
August-------		6.0	8	12	11	10	0	4	1	6	0	0	0
September----		5.6	10	10	10	8	0	2	2	2	0	0	0
October------		5.2	11	8	12	8	0	1	3	*	0	1	0
November-----		6.0	9	8	13	9	*	*	3	0	*	10	0
December-----		6.2	8	9	14	10	1	*	3	0	5	22	*
Annual-------		6.1	93	118	154	123	6	25	27	23	18	98	*

(a) Length of record years.
* Less than one-half.
Hail was included with snow and sleet prior to January 1, 1956.
Heavy Fog: Includes data referred to in the past as "Dense" or "Thick". The upper visibility limit for heavy fog is 1/4 mile.
Source: Local Climatological Data, 1956, Annual.

Clear: Average cloudiness does not exceed 3/10 of sky.
Partly Cloudy: Average cloudiness is 4/10 to 7/10.
Cloudy: Average cloudiness is 8/10 or more.

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Table 38. Percentage Frequency of Selected Climatic Elements, (Hourly Observations July 1948 - June 1956).

Month	Fog with visibility as indicated		Haze, Smoke or Dust with visibility as indicated		Thunder	Precipitation *
	Less Than 3 miles	3 miles or more	Less Than 3 miles	3 miles or more		
New York, LaGuardia Airport						
January	7.2	3.6	7.6	25.6	#	17.3
February	5.9	3.7	4.7	21.5	0.0	15.2
March	5.9	4.0	1.9	13.6	0.1	16.9
April	4.0	4.7	1.9	18.7	0.2	15.7
May	6.6	4.6	3.2	18.3	0.6	13.2
June	5.1	2.8	3.9	40.2	0.6	7.6
July	1.5	1.1	2.3	29.5	1.2	6.0
August	3.0	3.3	3.5	30.3	0.8	8.4
September	2.3	2.8	2.2	26.1	0.3	8.0
October	2.3	2.7	2.7	27.7	0.2	8.5
November	5.0	3.0	4.9	28.4	0.1	12.8
December	4.2	3.0	4.2	27.7	0.0	13.8
Annual	4.4	3.3	3.6	25.6	0.3	11.9
New York, International Airport						
January	7.4	6.0	2.9	19.8	0.1	16.2
February	5.0	5.1	1.1	15.9	0.0	14.6
March	5.6	5.4	0.8	8.4	#	16.6
April	4.1	5.5	0.8	11.9	0.2	15.0
May	6.7	6.3	1.8	16.6	0.7	13.0
June	4.2	4.6	1.3	20.3	0.5	7.6
July	2.2	3.4	1.0	27.1	1.4	5.6
August	4.0	5.5	2.0	25.9	0.9	8.2
September	2.4	4.7	1.1	20.3	0.3	7.4
October	2.8	4.3	1.5	20.5	0.1	8.8
November	4.8	5.1	2.1	23.7	#	12.1
December	5.1	5.1	1.7	20.9	#	13.4
Annual	4.5	5.1	1.5	19.3	0.4	11.5
Newark Airport, N. J.						
January	9.0	3.6	12.5	22.7	0.0	16.6
February	6.4	2.1	10.9	22.1	#	15.0
March	7.1	3.9	7.0	15.5	#	16.7
April	4.4	3.3	5.7	17.8	0.2	15.7
May	7.0	3.6	8.3	23.4	0.8	13.3
June	3.8	3.3	4.6	24.9	0.7	7.2
July	1.8	2.0	3.1	27.5	1.1	6.0
August	3.7	4.1	6.4	31.1	0.8	8.6
September	4.3	5.7	5.5	30.2	0.3	7.8
October	4.1	5.0	5.8	30.2	0.2	8.4
November	5.9	3.8	8.6	27.6	0.1	12.1
December	5.4	3.5	8.7	24.7	#	13.6
Annual	5.2	3.7	7.2	24.8	0.4	11.7

Less than 0.05 per cent.

* All precipitation amounts, including Trace.

Table 39. Average Daily Solar Radiation, Langleys, on a Horizontal Surface.

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
New York, Central Park													
1924--------	---	---	---	364	378	415	477	406	313	295	151	101	---
1925--------	113	162	254	376	378	480	428	390	291	187	128	92	273
1926--------	85	117	239	336	436	388	387	288	263	175	130	95	245
1927--------	112	153	249	327	341	437	364	299	307	226	109	104	252
1928--------	127	192	265	340	374	365	392	281	271	212	105	91	251
1929--------	121	187	---	233	365	397	388	325	244	187	121	119	---
1930--------	136	279	---	---	---	---	414	338	290	222	105	96	---
1931--------	134	194	240	356	348	421	362	325	354	263	146	116	272
1932--------	93	191	313	427	512	485	568	471	378	217	166	119	328
1933--------	156	218	265	365	395	527	472	372	314	266	150	95	300
1934--------	130	228	282	409	486	527	501	404	267	252	130	129	312
1935--------	142	177	285	370	476	463	466	441	316	287	99	114	303
1936--------	130	195	275	358	546	450	510	409	316	230	166	122	309
1937--------	107	210	309	365	459	453	465	369	347	223	160	118	299
1938--------	119	176	266	379	426	445	401	452	339	281	162	105	296
1939--------	124	185	272	335	484	498	510	405	327	252	197	104	308
1940--------	143	205	317	375	401	516	502	387	370	283	136	132	314
1941--------	148	256	381	566	561	535	419	503	426	245	166	122	361
1942--------	140	243	289	415	446	425	451	383	331	243	166	118	304
1943--------	131	210	271	370	413	478	440	432	347	223	172	139	302
1944--------	132	192	265	317	440	458	525	416	300	259	154	124	298
1945--------	150	183	288	393	420	428	365	398	291	219	132	112	282
1946--------	117	187	291	375	383	433	417	351	388	236	149	108	286
1947--------	127	220	302	350	399	471	439	341	334	259	149	136	294
1948--------	141	192	272	348	379	387	496	382	372	238	151	117	290
1949--------	125	216	341	424	462	558	462	385	362	252	181	137	325
1950--------	112	224	312	346	356	490	473	385	274	256	142	124	291
1951--------	136	208	288	406	401	315	293	---	---	---	---	---	---
1952--------	---	---	---	338	462	520	547	391	366	279	149	109	---
1953--------	---	---	259	354	398	604	589	490	429	274	160	132	---
1954--------	141	230	353	437	438	586	585	436	344	277	169	135	344
1955--------	195	225	331	361	601	505	544	453	383	241	191	144	348
1956--------	143	197	307	405	514	520	458	447	344	276	163	105	323
Mean Solar Radiation	130	202	270	372	434	468	458	392	331	245	149	116	297
New York, Sayville													
1950--------	106	144	336	372	415	583	495	430	314	281	185	132	316
1951--------	148	244	321	462	541	496	512	473	399	270	185	152	350
1952--------	155	286	313	370	515	580	607	432	410	318	190	142	360
1953--------	148	266	297	395	432	630	598	508	453	281	166	134	359
1954--------	143	279	382	479	443	601	594	474	353	299	191	156	366
1955--------	212	261	360	392	619	544	570	486	409	279	201	169	375
1956--------	169	265	335	436	554	591	484	492	382	329	194	115	362
Mean Solar Radiation	154	249	335	415	503	575	551	471	389	294	187	143	356

Langley is the unit used to denote one gram calorie per square centimeter.

Table 40. Mean Hourly Solar Radiation, Langleys, on a Horizontal Surface (1941-1950), New York, Central Park.

Month	a.m.											Noon	p.m.											Mid-night
	1	2	3	4	5	6	7	8	9	10	11		1	2	3	4	5	6	7	8	9	10	11	
January------								1.4	7.0	14.4	20.4	23.4	23.1	20.1	14.4	7.1	1.5	.8						
February-----							.5	4.7	13.4	22.5	30.0	33.2	32.8	29.2	22.7	13.5	4.8	.6						
March--------						.5	2.9	11.9	22.9	32.4	39.5	43.2	43.4	38.5	31.6	22.3	10.8	2.6	.5					
April--------						1.5	8.5	19.9	31.7	41.0	48.6	51.2	50.1	45.5	39.5	28.4	17.3	7.1	1.2					
May----------					.5	3.0	11.2	22.7	33.6	42.5	49.0	52.1	52.3	48.9	42.3	33.3	21.4	11.2	3.3	.5				
June---------					.6	3.9	13.0	25.4	36.0	45.6	51.1	56.1	55.0	53.0	46.1	36.2	25.6	14.5	4.9	.6				
July---------					.4	3.2	11.6	23.3	34.8	44.3	51.4	55.3	54.9	51.3	44.7	35.4	23.5	12.3	3.9	.5				
August-------					.2	1.8	9.4	21.3	32.5	41.8	47.2	50.3	49.6	46.4	39.7	29.4	18.6	8.6	1.7	.3				
September----						.6	4.3	14.2	25.4	35.3	42.8	46.1	46.4	42.6	35.5	24.8	13.9	4.1	.4					
October------							1.1	7.4	17.5	26.7	33.9	37.0	37.3	34.2	26.6	16.7	6.7	.9						
November-----							.4	2.3	9.1	17.1	23.8	27.5	27.2	23.0	16.5	8.5	2.1	.4						
December-----								1.0	6.2	13.5	19.5	22.1	21.4	18.4	12.9	5.6	.9							

October, November, December 1943 missing.
Langley is the unit used to denote one gram calorie per square centimeter.

NORMALS

Table 41. Daily, Monthly and Annual Temperature and Precipitation Normals with Accumulated Degree Days, New York, City Office

Jan.	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	40	26	33	1803	.10
2---	40	26	33	1835	.10
3---	40	26	33	1867	.10
4---	40	26	33	1899	.10
5---	40	26	33	1931	.10
6---	40	26	33	1963	.10
7---	40	26	33	1995	.10
8---	40	26	33	2027	.10
9---	40	26	33	2059	.10
10--	40	26	33	2091	.10
11--	40	26	33	2123	.11
12--	40	26	33	2155	.11
13--	40	26	33	2187	.11
14--	40	26	33	2219	.11
15--	40	26	33	2251	.11
16--	40	26	33	2283	.11
17--	40	26	33	2315	.12
18--	40	26	33	2347	.12
19--	40	26	33	2379	.12
20--	40	26	33	2411	.12
21--	40	26	33	2443	.12
22--	40	26	33	2475	.12
23--	40	26	33	2507	.12
24--	40	26	33	2539	.12
25--	40	26	33	2571	.12
26--	40	25	33	2603	.12
27--	40	25	33	2635	.12
28--	40	25	33	2667	.12
29--	39	25	32	2700	.12
30--	39	25	32	2733	.12
31--	39	25	32	2766	.12
Month	39.9	25.8	32.9	995	3.46

Feb.	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	39	25	32	2799	.12
2---	39	25	32	2832	.12
3---	39	25	32	2865	.12
4---	39	25	32	2898	.12
5---	38	24	31	2932	.12
6---	38	24	31	2966	.11
7---	38	24	31	3000	.11
8---	38	24	31	3034	.11
9---	38	24	31	3068	.11
10--	38	24	31	3102	.11
11--	38	24	31	3136	.11
12--	39	24	32	3169	.11
13--	39	24	32	3202	.11
14--	39	24	32	3235	.11
15--	40	24	32	3268	.11
16--	40	25	33	3301	.11
17--	40	25	33	3333	.11
18--	41	25	33	3365	.11
19--	41	26	34	3397	.11
20--	41	26	34	3429	.11
21--	42	26	34	3460	.11
22--	42	26	34	3491	.11
23--	42	27	35	3522	.11
24--	43	27	35	3552	.11
25--	43	27	35	3582	.11
26--	43	28	36	3612	.11
27--	43	28	36	3641	.11
28--	44	28	36	3670	.11
29--	44	28	36		.11
	40.1	25.3	32.7	904	3.13

Mar.	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	44	28	36	3699	.11
2---	44	29	37	3727	.11
3---	45	29	37	3755	.11
4---	45	29	37	3783	.11
5---	45	30	38	3811	.11
6---	45	30	38	3838	.11
7---	46	30	38	3865	.11
8---	46	31	39	3892	.11
9---	46	31	39	3918	.11
10--	47	31	39	3944	.11
11--	47	31	39	3970	.11
12--	47	32	40	3995	.11
13--	48	32	40	4020	.11
14--	48	32	40	4045	.11
15--	48	32	40	4070	.11
16--	49	33	41	4094	.11
17--	49	33	41	4118	.12
18--	49	33	41	4142	.12
19--	49	34	42	4165	.12
20--	50	34	42	4188	.12
21--	50	34	42	4211	.12
22--	50	34	42	4234	.12
23--	51	35	43	4256	.12
24--	51	35	43	4278	.12
25--	51	35	43	4300	.12
26--	51	36	44	4321	.12
27--	52	36	44	4342	.12
28--	52	36	44	4363	.12
29--	52	37	45	4383	.12
30--	53	37	45	4403	.12
31--	53	37	45	4423	.12
	48.5	32.8	40.7	753	3.56

Apr.	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	53	37	45	4443	.11
2---	53	38	46	4462	.11
3---	54	38	46	4481	.11
4---	54	38	46	4500	.11
5---	54	39	47	4518	.11
6---	55	39	47	4536	.11
7---	55	39	47	4554	.11
8---	55	39	47	4572	.11
9---	56	40	48	4589	.11
10--	56	40	48	4606	.11
11--	56	40	48	4623	.11
12--	57	40	49	4639	.11
13--	57	41	49	4655	.11
14--	57	41	49	4671	.11
15--	58	41	50	4687	.11
16--	58	42	50	4702	.11
17--	58	42	50	4717	.11
18--	59	42	51	4732	.11
19--	59	43	51	4746	.11
20--	59	43	51	4760	.11
21--	60	43	52	4774	.11
22--	60	44	52	4787	.11
23--	60	44	52	4800	.10
24--	61	44	53	4813	.10
25--	61	45	53	4825	.10
26--	62	45	54	4837	.10
27--	62	46	54	4848	.10
28--	62	46	54	4859	.10
29--	63	46	55	4869	.10
30--	63	47	55	4879	.10
	57.9	41.7	49.8	456	3.22

May	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	64	47	56	4889	.10
2---	64	48	56	4898	.11
3---	64	48	56	4907	.11
4---	65	48	57	4916	.11
5---	65	49	57	4924	.11
6---	65	49	57	4932	.11
7---	66	49	58	4940	.11
8---	66	50	58	4947	.11
9---	66	50	58	4954	.11
10--	67	50	59	4961	.11
11--	67	51	59	4967	.11
12--	68	51	60	4973	.11
13--	68	51	60	4979	.11
14--	68	52	60	4984	.11
15--	69	52	61	4989	.11
16--	69	52	61	4994	.11
17--	70	53	62	4998	.11
18--	70	53	62	5002	.11
19--	70	54	62	5006	.11
20--	71	54	63	5009	.11
21--	71	54	63	5012	.12
22--	71	55	63	5015	.12
23--	72	55	64	5018	.12
24--	72	55	64	5020	.12
25--	72	56	64	5022	.12
26--	72	56	64	5024	.12
27--	73	56	65	5026	.12
28--	73	57	65	5028	.12
29--	73	57	65	5030	.12
30--	74	57	66	5031	.12
31--	74	58	66	5032	.12
Month	69.0	52.5	60.8	153	3.51

June	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	74	58	66	5033	.12
2---	74	58	66	5034	.12
3---	75	58	67	5035	.12
4---	75	59	67	5036	.12
5---	75	59	67	5037	.12
6---	76	59	68	5038	.12
7---	76	60	68	5039	.12
8---	76	60	68	5040	.12
9---	76	60	68	5041	.12
10--	77	61	69	5042	.12
11--	77	61	69	5043	.12
12--	77	61	69	5044	.12
13--	77	61	69	5045	.12
14--	78	62	70	5046	.12
15--	78	62	70	5047	.12
16--	78	62	70	5048	.12
17--	78	62	70	5049	.12
18--	78	63	71	5050	.12
19--	79	63	71	5050	.12
20--	79	63	71	5050	.12
21--	79	63	71	5050	.13
22--	79	64	72	5050	.13
23--	79	64	72	5050	.13
24--	80	64	72	5050	.13
25--	80	64	72	5050	.13
26--	80	64	72	5050	.13
27--	80	65	73	5050	.13
28--	80	65	73	5050	.13
29--	81	65	73	5050	.13
30--	81	65	73	5050	.13
	77.7	61.8	69.8	18	3.70

July	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	81	65	73	0	.13
2---	81	66	74	0	.13
3---	81	66	74	0	.13
4---	82	66	74	0	.13
5---	82	66	74	0	.13
6---	82	66	74	0	.13
7---	82	66	74	0	.13
8---	82	66	74	0	.13
9---	82	66	74	0	.13
10--	82	67	75	0	.13
11--	82	67	75	0	.14
12--	82	67	75	0	.14
13--	82	67	75	0	.14
14--	83	67	75	0	.14
15--	83	67	75	0	.14
16--	83	67	75	0	.14
17--	83	67	75	0	.14
18--	83	67	75	0	.14
19--	83	67	75	0	.14
20--	83	67	75	0	.14
21--	83	67	75	0	.14
22--	83	67	75	0	.14
23--	83	67	75	0	.14
24--	83	68	76	0	.14
25--	83	68	76	0	.14
26--	82	68	75	0	.14
27--	82	68	75	0	.14
28--	82	68	75	0	.14
29--	82	68	75	0	.14
30--	82	68	75	0	.14
31--	82	67	75	0	.14
	82.3	66.9	74.6	0	4.24

Aug.	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	82	67	75	0	.14
2---	82	67	75	0	.14
3---	82	67	75	0	.14
4---	82	67	75	0	.14
5---	82	67	75	0	.14
6---	82	67	75	0	.14
7---	82	67	75	0	.14
8---	81	67	74	0	.14
9---	81	67	74	0	.14
10--	81	67	74	0	.14
11--	81	67	74	0	.14
12--	81	67	74	0	.14
13--	81	67	74	0	.14
14--	81	66	74	0	.14
15--	81	66	74	0	.14
16--	81	66	74	0	.14
17--	80	66	73	0	.14
18--	80	66	73	0	.14
19--	80	66	73	0	.14
20--	80	66	73	0	.14
21--	80	66	73	0	.14
22--	80	66	73	0	.14
23--	80	65	73	0	.14
24--	79	65	72	0	.14
25--	79	65	72	0	.14
26--	79	65	72	0	.14
27--	79	65	72	0	.14
28--	79	64	72	0	.14
29--	79	64	72	0	.14
30--	78	64	71	0	.14
31--	78	64	71	0	.14
	80.4	66.0	73.2	0	4.34

Sept.	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	78	64	71	0	.14
2---	78	64	71	0	.14
3---	77	63	70	0	.14
4---	77	63	70	0	.14
5---	77	63	70	0	.14
6---	77	63	70	0	.14
7---	77	62	70	0	.13
8---	76	62	69	0	.13
9---	76	62	69	0	.13
10--	76	62	69	0	.13
11--	76	62	69	0	.13
12--	76	61	69	0	.13
13--	75	61	68	0	.13
14--	75	61	68	1	.13
15--	75	61	68	2	.13
16--	74	60	67	3	.13
17--	74	60	67	4	.12
18--	74	60	67	5	.12
19--	74	59	67	7	.12
20--	73	59	66	9	.12
21--	73	59	66	11	.11
22--	73	58	66	13	.11
23--	73	58	66	15	.11
24--	72	58	65	18	.11
25--	72	57	65	21	.11
26--	72	57	65	24	.10
27--	72	57	65	27	.10
28--	71	56	64	31	.10
29--	71	56	64	35	.10
30--	71	55	63	39	.10
Month	74.5	60.1	67.3	39	3.67

Oct.	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	70	55	63	43	.10
2---	70	55	63	48	.10
3---	69	54	62	53	.10
4---	69	54	62	58	.10
5---	68	53	61	63	.09
6---	68	53	61	69	.10
7---	68	53	61	75	.10
8---	67	52	60	81	.10
9---	67	52	60	87	.10
10--	67	52	60	94	.09
11--	66	51	59	101	.10
12--	66	51	59	108	.10
13--	65	50	58	116	.10
14--	65	50	58	124	.10
15--	65	50	58	132	.09
16--	64	49	57	140	.10
17--	64	49	57	149	.10
18--	64	49	57	158	.10
19--	63	48	56	167	.10
20--	63	48	56	177	.09
21--	63	48	56	187	.10
22--	62	47	55	197	.10
23--	62	47	55	207	.10
24--	62	47	55	218	.10
25--	61	46	54	229	.09
26--	61	46	54	240	.10
27--	61	46	54	252	.10
28--	60	46	53	264	.10
29--	60	45	53	276	.09
30--	60	45	53	289	.10
31--	60	45	53	302	.10
	64.5	49.5	57.0	263	3.04

Nov.	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	59	44	52	315	.10
2---	58	44	51	329	.10
3---	58	44	51	343	.10
4---	57	44	51	357	.10
5---	57	43	50	372	.10
6---	57	43	50	387	.10
7---	56	43	50	402	.10
8---	56	42	49	418	.10
9---	55	42	49	434	.11
10--	55	42	49	451	.11
11--	55	41	48	468	.10
12--	54	41	48	485	.10
13--	54	41	48	503	.11
14--	53	40	47	521	.11
15--	53	40	47	540	.11
16--	53	40	47	559	.10
17--	52	39	46	578	.10
18--	52	39	46	598	.10
19--	52	38	45	618	.11
20--	51	38	45	638	.11
21--	51	38	45	659	.10
22--	51	37	44	680	.10
23--	50	37	44	701	.10
24--	50	36	43	723	.11
25--	50	36	43	745	.11
26--	49	35	42	768	.10
27--	49	35	42	791	.10
28--	48	35	42	815	.10
29--	48	34	41	839	.10
30--	47	34	41	863	.10
	53.0	39.5	46.3	561	3.09

Dec.	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	47	33	40	888	.10
2---	46	33	40	913	.10
3---	46	32	39	939	.10
4---	45	32	39	965	.10
5---	45	31	38	992	.10
6---	45	31	38	1019	.10
7---	44	31	38	1047	.10
8---	44	30	37	1075	.10
9---	43	30	37	1103	.10
10--	43	30	37	1132	.10
11--	43	29	36	1161	.10
12--	42	29	36	1190	.10
13--	42	29	36	1219	.10
14--	42	29	36	1248	.10
15--	42	29	36	1278	.09
16--	42	28	35	1308	.10
17--	42	28	35	1338	.10
18--	41	28	35	1368	.10
19--	41	28	35	1398	.10
20--	41	28	35	1429	.09
21--	41	28	35	1460	.10
22--	41	27	34	1491	.10
23--	41	27	34	1522	.10
24--	41	27	34	1553	.10
25--	41	27	34	1584	.09
26--	41	27	34	1615	.10
27--	41	27	34	1646	.10
28--	41	27	34	1677	.10
29--	41	27	34	1708	.10
30--	40	27	34	1739	.10
31--	40	27	34	1771	.10
	42.4	28.9	35.7	908	3.07

Annual Normals--60.9 45.9 53.4 5050 42.03

Table 41. Daily, Monthly and Annual Temperature and Precipitation Normals with Accumulated Degree Days - Cont'd, New York, Central Park

Jan.	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	40	27	34	1766	.11
2---	40	27	34	1797	.11
3---	40	27	34	1828	.11
4---	40	27	34	1859	.11
5---	40	27	34	1891	.11
6---	40	27	34	1923	.11
7---	39	27	33	1955	.11
8---	39	27	33	1987	.11
9---	39	27	33	2019	.11
10--	39	27	33	2051	.11
11--	39	26	33	2083	.11
12--	39	26	33	2115	.11
13--	39	26	33	2147	.11
14--	39	26	33	2179	.11
15--	39	26	33	2211	.11
16--	39	26	33	2243	.12
17--	39	26	33	2275	.12
18--	39	26	33	2307	.12
19--	39	26	33	2340	.12
20--	39	26	33	2373	.12
21--	39	26	33	2406	.12
22--	39	26	33	2439	.12
23--	39	26	33	2472	.12
24--	39	26	33	2505	.12
25--	39	25	32	2538	.12
26--	39	25	32	2571	.12
27--	39	25	32	2604	.12
28--	39	25	32	2637	.12
29--	39	25	32	2670	.12
30--	39	25	32	2703	.12
31--	39	25	32	2736	.12
Month	39.2	26.1	32.7	1001	3.57

Feb.	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	38	25	32	2769	.12
2---	38	25	32	2802	.12
3---	38	25	32	2835	.12
4---	38	25	32	2869	.12
5---	38	24	31	2903	.12
6---	38	24	31	2937	.12
7---	38	24	31	2971	.12
8---	38	24	31	3005	.12
9---	38	24	31	3039	.12
10--	39	24	32	3073	.12
11--	39	24	32	3107	.12
12--	39	25	32	3140	.12
13--	39	25	32	3173	.12
14--	39	25	32	3206	.12
15--	39	25	32	3239	.12
16--	39	25	32	3272	.12
17--	39	25	32	3305	.12
18--	39	26	33	3337	.12
19--	40	26	33	3369	.11
20--	40	26	33	3401	.11
21--	40	26	33	3433	.11
22--	40	27	34	3464	.11
23--	41	27	34	3495	.11
24--	41	27	34	3526	.11
25--	41	27	34	3557	.11
26--	42	28	35	3587	.11
27--	42	28	35	3617	.11
28--	43	28	36	3646	.11
29--	43	28	36		.11
Month	39.4	25.5	32.5	910	3.26

Mar.	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	43	29	36	3675	.11
2---	43	29	36	3704	.11
3---	44	30	37	3732	.11
4---	44	30	37	3760	.11
5---	45	30	38	3788	.11
6---	45	31	38	3815	.11
7---	45	31	38	3842	.11
8---	46	31	39	3869	.11
9---	46	31	39	3895	.11
10--	46	32	39	3921	.11
11--	47	32	40	3947	.11
12--	47	32	40	3972	.12
13--	48	32	40	3997	.12
14--	48	33	41	4022	.12
15--	48	33	41	4046	.12
16--	49	33	41	4070	.12
17--	49	33	41	4094	.12
18--	49	34	42	4117	.12
19--	50	34	42	4140	.12
20--	50	34	42	4163	.12
21--	50	35	43	4185	.12
22--	51	35	43	4207	.12
23--	51	35	43	4229	.12
24--	51	35	43	4251	.12
25--	52	36	44	4272	.12
26--	52	36	44	4293	.13
27--	52	36	44	4314	.13
28--	53	36	45	4334	.13
29--	53	37	45	4354	.13
30--	53	37	45	4374	.13
31--	54	37	46	4393	.13
Month	48.5	33.2	40.9	747	3.67

Apr.	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	54	38	46	4412	.12
2---	54	38	46	4431	.12
3---	54	38	46	4450	.12
4---	55	39	47	4468	.12
5---	55	39	47	4486	.12
6---	55	39	47	4504	.12
7---	56	39	48	4522	.12
8---	56	40	48	4539	.12
9---	56	40	48	4556	.12
10--	57	40	49	4573	.12
11--	57	41	49	4589	.11
12--	57	41	49	4605	.11
13--	58	41	50	4621	.11
14--	58	42	50	4636	.11
15--	58	42	50	4651	.11
16--	59	42	51	4666	.11
17--	59	43	51	4680	.11
18--	60	43	52	4694	.11
19--	60	43	52	4707	.11
20--	60	43	52	4720	.11
21--	61	44	53	4732	.11
22--	61	44	53	4744	.11
23--	62	44	53	4756	.11
24--	62	45	54	4767	.11
25--	62	45	54	4778	.11
26--	63	45	54	4789	.10
27--	63	46	55	4799	.10
28--	64	46	55	4809	.10
29--	64	46	55	4819	.10
30--	64	47	56	4828	.10
Month	58.8	42.1	50.5	435	3.35

May	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	65	47	56	4837	.11
2---	65	47	56	4846	.11
3---	66	48	57	4854	.11
4---	66	48	57	4862	.11
5---	66	49	58	4870	.11
6---	67	49	58	4877	.12
7---	67	49	58	4884	.12
8---	68	50	59	4890	.12
9---	68	50	59	4896	.12
10--	69	50	60	4902	.12
11--	69	51	60	4907	.12
12--	69	51	60	4912	.12
13--	70	52	61	4917	.12
14--	70	52	61	4921	.12
15--	71	53	62	4925	.12
16--	71	53	62	4929	.12
17--	71	53	62	4933	.12
18--	72	54	63	4936	.12
19--	72	54	63	4939	.12
20--	73	54	64	4942	.12
21--	73	55	64	4944	.13
22--	73	55	64	4946	.13
23--	74	56	65	4948	.13
24--	74	56	65	4950	.13
25--	75	56	66	4952	.13
26--	75	57	66	4953	.13
27--	75	57	66	4954	.13
28--	76	57	67	4955	.13
29--	76	58	67	4956	.13
30--	76	58	67	4957	.12
31--	76	58	67	4958	.12
Month	70.9	52.8	61.9	130	3.76

June	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	77	59	68	4959	.12
2---	77	59	68	4960	.12
3---	77	59	68	4961	.12
4---	77	59	68	4962	.12
5---	78	60	69	4963	.12
6---	78	60	69	4964	.12
7---	78	60	69	4965	.12
8---	78	61	70	4965	.12
9---	79	61	70	4965	.12
10--	79	61	70	4965	.12
11--	79	61	70	4965	.12
12--	79	61	70	4965	.12
13--	80	62	71	4965	.12
14--	80	62	71	4965	.12
15--	80	62	71	4965	.12
16--	80	62	71	4965	.12
17--	80	63	72	4965	.12
18--	81	63	72	4965	.12
19--	81	63	72	4965	.12
20--	81	63	72	4965	.12
21--	81	64	73	4965	.12
22--	81	64	73	4965	.12
23--	82	64	73	4965	.12
24--	82	64	73	4965	.13
25--	82	64	73	4965	.13
26--	82	65	74	4965	.13
27--	82	65	74	4965	.13
28--	83	65	74	4965	.13
29--	83	65	74	4965	.13
30--	83	65	74	4965	.13
Month	80.0	62.2	71.1	7	3.67

July	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	83	66	75	0	.14
2---	83	66	75	0	.14
3---	84	66	75	0	.14
4---	84	66	75	0	.14
5---	84	66	75	0	.14
6---	84	66	75	0	.14
7---	84	67	76	0	.14
8---	85	67	76	0	.14
9---	85	67	76	0	.14
10--	85	67	76	0	.14
11--	85	67	76	0	.14
12--	85	67	76	0	.14
13--	85	67	76	0	.14
14--	85	68	77	0	.13
15--	85	68	77	0	.13
16--	85	68	77	0	.13
17--	85	68	77	0	.13
18--	85	68	77	0	.13
19--	85	68	77	0	.13
20--	85	68	77	0	.13
21--	85	68	77	0	.13
22--	85	68	77	0	.13
23--	85	68	77	0	.13
24--	85	68	77	0	.13
25--	85	68	77	0	.13
26--	85	68	77	0	.14
27--	85	68	77	0	.14
28--	85	68	77	0	.14
29--	85	68	77	0	.14
30--	85	68	77	0	.14
31--	85	68	77	0	.14
Month	84.7	67.4	76.1	0	4.22

Aug.	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	85	68	77	0	.14
2---	84	68	76	0	.14
3---	84	68	76	0	.14
4---	84	67	76	0	.14
5---	84	67	76	0	.14
6---	84	67	76	0	.14
7---	84	67	76	0	.14
8---	84	67	76	0	.14
9---	84	67	76	0	.14
10--	84	67	76	0	.14
11--	83	67	75	0	.14
12--	83	67	75	0	.14
13--	83	67	75	0	.14
14--	83	66	75	0	.14
15--	83	66	75	0	.14
16--	83	66	75	0	.14
17--	83	66	75	0	.14
18--	82	66	74	0	.14
19--	82	66	74	0	.14
20--	82	66	74	0	.14
21--	82	65	74	0	.14
22--	82	65	74	0	.14
23--	82	65	74	0	.14
24--	82	65	74	0	.14
25--	81	65	73	0	.14
26--	81	65	73	0	.15
27--	81	64	73	0	.15
28--	81	64	73	0	.15
29--	81	64	73	0	.15
30--	80	64	72	0	.15
31--	80	64	72	0	.15
Month	82.6	66.0	74.3	0	4.40

Sept.	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	80	64	72	0	.15
2---	80	63	72	0	.15
3---	80	63	72	0	.15
4---	80	63	72	0	.15
5---	79	63	71	0	.15
6---	79	63	71	0	.14
7---	79	62	71	0	.14
8---	79	62	71	0	.14
9---	78	62	70	0	.14
10--	78	62	70	0	.14
11--	78	61	70	0	.14
12--	78	61	70	0	.14
13--	77	61	69	1	.14
14--	77	61	69	2	.14
15--	77	60	69	3	.14
16--	77	60	69	4	.13
17--	76	60	68	5	.13
18--	76	59	68	6	.13
19--	76	59	68	7	.13
20--	76	59	68	8	.13
21--	75	59	67	9	.13
22--	75	58	67	11	.13
23--	75	58	67	13	.12
24--	74	57	66	15	.12
25--	74	57	66	17	.12
26--	74	57	66	19	.12
27--	73	56	65	22	.12
28--	73	56	65	25	.12
29--	73	56	65	28	.12
30--	72	55	64	31	.12
Month	76.6	59.9	68.3	31	4.02

Oct.	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	72	55	64	35	.11
2---	71	54	63	39	.11
3---	71	54	63	43	.11
4---	70	54	62	47	.11
5---	70	53	62	52	.11
6---	70	53	62	57	.10
7---	69	53	61	62	.10
8---	69	52	61	67	.10
9---	68	52	60	73	.10
10--	68	51	60	79	.10
11--	68	51	60	85	.10
12--	67	51	59	92	.10
13--	67	50	59	99	.10
14--	66	50	58	106	.09
15--	66	50	58	113	.09
16--	66	49	58	121	.09
17--	65	49	57	129	.09
18--	65	49	57	137	.09
19--	64	48	56	146	.09
20--	64	48	56	155	.09
21--	64	48	56	165	.09
22--	63	47	55	175	.09
23--	63	47	55	185	.09
24--	62	47	55	196	.09
25--	62	47	55	207	.09
26--	62	46	54	218	.10
27--	61	46	54	230	.10
28--	61	46	54	242	.10
29--	60	45	53	255	.10
30--	60	45	53	268	.10
31--	60	45	53	281	.10
Month	65.6	49.5	57.6	250	3.03

Nov.	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	59	45	52	294	.11
2---	59	44	52	307	.11
3---	58	44	51	321	.11
4---	58	44	51	335	.11
5---	58	44	51	349	.11
6---	57	43	50	364	.11
7---	57	43	50	379	.11
8---	56	43	50	395	.11
9---	56	42	49	411	.11
10--	55	42	49	427	.11
11--	55	42	49	444	.11
12--	55	41	48	461	.11
13--	54	41	48	478	.11
14--	54	41	48	496	.11
15--	53	40	47	514	.11
16--	53	40	47	533	.11
17--	52	40	46	552	.11
18--	52	39	46	571	.11
19--	52	39	46	591	.11
20--	51	39	45	611	.11
21--	51	38	45	631	.11
22--	50	38	44	652	.11
23--	50	37	44	673	.11
24--	49	37	43	695	.10
25--	49	37	43	717	.10
26--	49	36	43	740	.10
27--	48	36	42	763	.10
28--	48	35	42	786	.10
29--	48	35	42	809	.10
30--	47	35	41	833	.10
Month	53.1	40.0	46.6	552	3.23

Dec.	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	47	34	41	857	.10
2---	46	34	40	882	.10
3---	46	33	40	907	.10
4---	45	33	39	933	.10
5---	45	33	39	959	.10
6---	44	32	38	986	.10
7---	44	32	38	1013	.10
8---	44	31	38	1041	.10
9---	43	31	37	1069	.10
10--	43	31	37	1097	.10
11--	43	30	37	1126	.10
12--	42	30	36	1155	.10
13--	42	30	36	1184	.10
14--	42	30	36	1213	.10
15--	42	29	36	1243	.10
16--	41	29	35	1273	.10
17--	41	29	35	1303	.10
18--	41	29	35	1333	.10
19--	41	28	35	1363	.10
20--	41	28	35	1394	.10
21--	41	28	35	1425	.10
22--	41	28	35	1456	.10
23--	40	28	34	1487	.10
24--	40	28	34	1518	.11
25--	40	28	34	1549	.11
26--	40	27	34	1580	.11
27--	40	27	34	1611	.11
28--	40	27	34	1642	.11
29--	40	27	34	1673	.11
30--	40	27	34	1704	.11
31--	40	27	34	1735	.11
Month	42.1	29.6	35.9	902	3.18

Annual Normals--61.8 46.2 54.0 4965 43.36

Table 41. Daily, Monthly and Annual Temperature and Precipitation Normals with Accumulated Degree Days - Cont'd, New York, La Guardia Airport

Jan.	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	40	27	34	1764	.10
2---	40	27	34	1796	.10
3---	40	27	34	1828	.10
4---	39	27	33	1860	.10
5---	39	27	33	1892	.10
6---	39	27	33	1924	.10
7---	39	27	33	1956	.10
8---	39	27	33	1988	.10
9---	39	27	33	2020	.10
10--	39	27	33	2052	.10
11--	39	27	33	2084	.10
12--	39	27	33	2116	.10
13--	39	27	33	2148	.10
14--	39	27	33	2180	.10
15--	39	27	33	2212	.10
15--	39	27	33	2244	.10
17--	39	27	33	2276	.10
18--	39	27	33	2308	.10
19--	39	27	33	2340	.11
20--	39	27	33	2372	.11
21--	39	27	33	2404	.11
22--	39	27	33	2436	.10
23--	39	27	33	2468	.10
24--	39	27	33	2500	.11
25--	39	27	33	2532	.11
26--	39	26	33	2564	.11
27--	39	26	33	2596	.10
28--	39	26	33	2628	.10
29--	39	26	33	2660	.11
30--	39	26	33	2692	.11
31--	39	26	33	2724	.11
Month	39.1	26.8	33.0	992	3.19

Feb.	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	38	26	32	2757	.10
2---	38	26	32	2790	.10
3---	38	26	32	2823	.11
4---	38	26	32	2856	.11
5---	38	26	32	2889	.11
6---	38	25	32	2922	.10
7---	38	25	32	2956	.10
8---	38	25	32	2990	.11
9---	38	25	32	3024	.11
10--	38	25	32	3058	.11
11--	38	25	32	3092	.11
12--	38	25	32	3125	.11
13--	38	25	32	3158	.11
14--	39	25	32	3191	.11
15--	39	26	33	3224	.11
16--	39	26	33	3257	.11
17--	39	26	33	3289	.11
18--	39	26	33	3321	.11
19--	39	26	33	3353	.11
20--	40	26	33	3385	.11
21--	40	26	33	3417	.11
22--	40	27	34	3448	.11
23--	41	27	34	3479	.11
24--	41	27	34	3510	.11
25--	41	27	34	3541	.11
26--	42	27	35	3571	.11
27--	42	28	35	3601	.11
28--	43	28	36	3631	.11
29--	43	28	36		.11
Month	39.2	26.0	32.6	907	3.04

Mar.	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	43	28	36	3660	.11
2---	43	29	36	3689	.11
3---	44	29	37	3718	.11
4---	44	29	37	3746	.11
5---	44	30	37	3774	.11
6---	45	30	38	3801	.11
7---	45	30	38	3828	.11
8---	46	30	38	3855	.12
9---	46	31	39	3881	.12
10--	46	31	39	3907	.12
11--	46	31	39	3933	.11
12--	47	32	40	3959	.11
13--	47	32	40	3984	.11
14--	48	32	40	4009	.11
15--	48	33	41	4034	.12
16--	48	33	41	4059	.11
17--	48	33	41	4083	.11
18--	49	33	41	4107	.12
19--	49	34	42	4131	.12
20--	50	34	42	4154	.12
21--	50	34	42	4177	.11
22--	50	35	43	4200	.11
23--	51	35	43	4222	.12
24--	51	35	43	4244	.12
25--	51	35	43	4266	.11
26--	52	36	44	4288	.11
27--	52	36	44	4309	.11
28--	52	36	44	4330	.11
29--	53	37	45	4351	.11
30--	53	37	45	4371	.11
31--	53	37	45	4391	.11
Month	48.2	32.8	40.5	760	3.50

Apr.	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	53	37	45	4411	.11
2---	54	38	46	4430	.11
3---	54	38	46	4449	.11
4---	54	38	46	4468	.11
5---	55	39	47	4486	.11
6---	55	39	47	4504	.11
7---	55	39	47	4522	.11
8---	56	39	48	4540	.11
9---	56	40	48	4557	.11
10--	56	40	48	4574	.11
11--	57	40	49	4591	.10
12--	57	41	49	4607	.10
13--	57	41	49	4623	.10
14--	58	41	50	4639	.10
15--	58	41	50	4654	.10
16--	59	42	51	4669	.10
17--	59	42	51	4683	.10
18--	59	42	51	4697	.10
19--	60	43	52	4711	.10
20--	60	43	52	4724	.10
21--	60	43	52	4737	.10
22--	61	44	53	4750	.10
23--	61	44	53	4762	.10
24--	61	44	53	4774	.10
25--	62	45	54	4786	.10
26--	62	45	54	4797	.10
27--	63	45	54	4808	.10
28--	63	46	55	4818	.10
29--	63	46	55	4828	.10
30--	64	46	55	4838	.10
Month	58.4	41.7	50.1	447	3.10

May	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	64	47	56	4847	.10
2---	65	47	56	4856	.10
3---	65	48	57	4865	.10
4---	65	48	57	4873	.10
5---	66	48	57	4881	.10
6---	66	49	58	4888	.10
7---	67	49	58	4895	.10
8---	67	50	59	4902	.10
9---	67	50	59	4908	.11
10--	68	50	59	4914	.11
11--	68	51	60	4920	.11
12--	69	51	60	4925	.11
13--	69	51	60	4930	.11
14--	69	52	61	4935	.11
15--	70	52	61	4939	.11
16--	70	53	62	4943	.11
17--	71	53	62	4947	.11
18--	71	53	62	4951	.11
19--	71	54	63	4954	.11
20--	72	54	63	4957	.11
21--	72	54	63	4960	.11
22--	72	55	64	4963	.11
23--	73	55	64	4966	.11
24--	73	55	64	4968	.11
25--	73	56	65	4970	.11
26--	74	56	65	4972	.11
27--	74	57	66	4974	.11
28--	74	57	66	4976	.11
29--	75	57	66	4977	.11
30--	75	58	67	4978	.11
31--	75	58	67	4979	.11
Month	70.0	52.5	61.3	141	3.33

June	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	76	58	67	4980	.11
2---	76	59	68	4981	.11
3---	76	59	68	4982	.11
4---	77	59	68	4983	.11
5---	77	59	68	4984	.11
6---	77	60	69	4985	.11
7---	78	60	69	4986	.11
8---	78	60	69	4987	.11
9---	78	61	70	4988	.11
10--	78	61	70	4989	.11
11--	79	61	70	4989	.11
12--	79	61	70	4989	.11
13--	79	62	71	4989	.11
14--	79	62	71	4989	.11
15--	80	62	71	4989	.11
16--	80	63	72	4989	.11
17--	80	63	72	4989	.11
18--	80	63	72	4989	.11
19--	81	63	72	4989	.11
20--	81	64	73	4989	.11
21--	81	64	73	4989	.11
22--	81	64	73	4989	.11
23--	81	64	73	4989	.12
24--	82	65	74	4989	.12
25--	82	65	74	4989	.12
26--	82	65	74	4989	.12
27--	82	65	74	4989	.12
28--	82	65	74	4989	.12
29--	83	66	75	4989	.12
30--	83	66	75	4989	.12
Month	79.6	62.3	71.0	10	3.38

July	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	83	66	75	0	.12
2---	83	66	75	0	.12
3---	83	66	75	0	.12
4---	83	67	75	0	.13
5---	83	67	75	0	.13
6---	84	67	76	0	.13
7---	84	67	76	0	.13
8---	84	67	76	0	.13
9---	84	67	76	0	.13
10--	84	68	76	0	.13
11--	84	68	76	0	.13
12--	84	68	76	0	.13
13--	84	68	76	0	.13
14--	84	68	76	0	.13
15--	84	68	76	0	.13
16--	84	68	76	0	.13
17--	84	68	76	0	.13
18--	84	68	76	0	.13
19--	84	68	76	0	.13
20--	85	68	77	0	.14
21--	85	69	77	0	.14
22--	85	69	77	0	.14
23--	85	69	77	0	.14
24--	85	69	77	0	.14
25--	84	69	77	0	.14
26--	84	69	77	0	.14
27--	84	68	76	0	.14
28--	84	68	76	0	.14
29--	84	68	76	0	.14
30--	84	68	76	0	.14
31--	84	68	76	0	.14
Month	84.0	67.8	75.9	0	4.12

Aug.	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	84	68	76	0	.14
2---	84	68	76	0	.14
3---	84	68	76	0	.14
4---	84	68	76	0	.14
5---	84	68	76	0	.14
6---	83	68	76	0	.14
7---	83	68	76	0	.14
8---	83	68	76	0	.14
9---	83	68	76	0	.14
10--	83	68	76	0	.14
11--	83	68	76	0	.14
12--	83	68	76	0	.14
13--	82	67	75	0	.14
14--	82	67	75	0	.14
15--	82	67	75	0	.14
16--	82	67	75	0	.14
17--	82	67	75	0	.14
18--	82	67	75	0	.14
19--	81	67	74	0	.13
20--	81	67	74	0	.13
21--	81	66	74	0	.13
22--	81	66	74	0	.13
23--	81	66	74	0	.13
24--	80	66	73	0	.13
25--	80	66	73	0	.13
26--	80	66	73	0	.14
27--	80	66	73	0	.14
28--	80	65	73	0	.14
29--	80	65	73	0	.14
30--	79	65	72	0	.14
31--	79	65	72	0	.14
Month	81.8	66.9	74.4	0	4.27

Sept.	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	79	65	72	0	.13
2---	79	65	72	0	.13
3---	79	64	72	0	.13
4---	78	64	71	0	.13
5---	78	64	71	0	.13
6---	78	64	71	0	.13
7---	78	63	71	0	.13
8---	78	63	71	0	.13
9---	77	63	70	0	.13
10--	77	63	70	0	.13
11--	77	63	70	0	.12
12--	77	62	70	0	.12
13--	76	62	69	1	.12
14--	76	62	69	2	.12
15--	76	61	69	3	.12
16--	76	61	69	4	.12
17--	75	61	68	5	.12
18--	75	61	68	6	.12
19--	75	60	68	7	.12
20--	75	60	68	8	.12
21--	74	60	67	9	.11
22--	74	59	67	10	.11
23--	74	59	67	11	.11
24--	73	59	66	13	.11
25--	73	58	66	15	.11
26--	73	58	66	17	.10
27--	72	58	65	19	.10
28--	72	57	65	22	.10
29--	72	57	65	25	.10
30--	71	57	64	28	.10
Month	75.6	61.1*	68.4	28	3.55

Oct.	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	71	56	64	31	.10
2---	70	56	63	35	.10
3---	70	55	63	39	.10
4---	70	55	63	43	.10
5---	69	55	62	48	.10
6---	69	54	62	53	.10
7---	68	54	61	58	.10
8---	68	53	61	63	.09
9---	68	53	61	69	.09
10--	67	52	60	75	.09
11--	67	52	60	81	.10
12--	66	52	59	88	.10
13--	66	51	59	95	.09
14--	66	51	59	102	.09
15--	65	50	58	110	.09
16--	65	50	58	118	.09
17--	64	50	57	126	.10
18--	64	49	57	135	.09
19--	64	49	57	144	.09
20--	63	49	56	153	.09
21--	63	48	56	163	.09
22--	63	48	56	173	.10
23--	62	47	55	183	.09
24--	62	47	55	194	.09
25--	62	47	55	205	.09
26--	61	46	54	216	.09
27--	61	46	54	228	.10
28--	61	46	54	240	.09
29--	60	45	53	252	.09
30--	60	45	53	265	.09
31--	60	45	53	278	.09
Month	65.0	50.2	57.6	250	2.91

Nov.	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	59	45	52	291	.09
2---	59	44	52	304	.10
3---	58	44	51	318	.10
4---	58	44	51	332	.10
5---	57	44	51	347	.10
6---	57	43	50	362	.10
7---	57	43	50	377	.10
8---	56	43	50	393	.10
9---	56	42	49	409	.10
10--	55	42	49	425	.10
11--	55	42	49	442	.10
12--	54	42	48	459	.10
13--	54	41	48	476	.10
14--	54	41	48	493	.10
15--	53	41	47	511	.10
16--	53	40	47	529	.10
17--	52	40	46	548	.10
18--	52	40	46	567	.10
19--	52	40	46	586	.10
20--	51	39	45	606	.10
21--	51	39	45	626	.10
22--	50	39	45	647	.10
23--	50	38	44	668	.10
24--	49	38	44	689	.10
25--	49	38	44	711	.10
26--	49	37	43	733	.10
27--	48	37	43	755	.10
28--	48	37	43	778	.10
29--	47	36	42	801	.10
30--	47	36	42	824	.10
Month	53.0	40.5	46.8	546	2.99

Dec.	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	46	35	41	848	.10
2---	46	35	41	872	.10
3---	45	34	40	897	.10
4---	45	34	40	922	.10
5---	44	33	39	948	.10
6---	44	33	39	974	.10
7---	44	33	39	1001	.10
8---	43	32	38	1028	.10
9---	43	32	38	1056	.10
10--	42	31	37	1084	.10
11--	42	31	37	1113	.10
12--	42	30	36	1142	.10
13--	41	30	36	1171	.09
14--	41	29	35	1201	.10
15--	41	29	35	1231	.10
16--	41	29	35	1261	.09
17--	40	28	34	1292	.09
18--	40	28	34	1323	.09
19--	40	28	34	1354	.10
20--	40	28	34	1385	.10
21--	40	28	34	1416	.09
22--	40	28	34	1447	.09
23--	40	27	34	1478	.09
24--	40	27	34	1509	.10
25--	40	27	34	1540	.10
26--	40	27	34	1572	.09
27--	40	27	34	1604	.09
28--	40	27	34	1636	.09
29--	40	27	34	1668	.10
30--	40	27	34	1700	.10
31--	40	27	34	1732	.10
Month	41.6	29.7	35.7	908	3.00

Annual Normals--61.3 46.5 53.9 4989 40.38

NORMALS

Table 41. Daily, Monthly and Annual Temperature and Precipitation Normals with Accumulated Degree Days - Cont'd, Newark Airport, New Jersey

Jan.	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	39	24	32	1945	.10
2---	39	24	32	1978	.10
3---	39	24	32	2011	.10
4---	39	24	32	2044	.10
5---	39	24	32	2077	.10
6---	39	24	32	2110	.10
7---	39	24	32	2143	.11
8---	39	24	32	2176	.11
9---	39	24	32	2209	.11
10--	39	24	32	2242	.11
11--	39	24	32	2275	.11
12--	39	24	32	2308	.12
13--	39	24	32	2341	.12
14--	39	24	32	2374	.12
15--	39	24	32	2407	.12
16--	39	24	32	2441	.12
17--	39	24	32	2475	.12
18--	39	24	32	2509	.12
19--	39	24	32	2543	.12
20--	39	24	32	2577	.12
21--	39	24	32	2611	.13
22--	39	24	32	2645	.13
23--	39	24	32	2679	.13
24--	39	24	32	2713	.13
25--	39	24	32	2747	.13
26--	39	24	32	2781	.12
27--	39	24	32	2815	.12
28--	39	24	32	2849	.12
29--	39	24	32	2883	.12
30--	39	24	32	2917	.12
31--	39	24	32	2951	.12
Month	39.0	24.0	31.5	1039	3.60

Feb.	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	38	23	31	2985	.12
2---	38	23	31	3019	.12
3---	38	23	31	3054	.12
4---	38	23	31	3089	.12
5---	38	23	31	3124	.12
6---	38	23	31	3159	.11
7---	38	23	31	3194	.11
8---	38	23	31	3229	.11
9---	38	23	31	3263	.11
10--	38	23	31	3297	.11
11--	38	23	31	3331	.11
12--	38	23	31	3365	.11
13--	39	23	31	3399	.11
14--	39	23	31	3433	.11
15--	39	23	31	3467	.11
16--	39	24	32	3500	.11
17--	40	24	32	3533	.11
18--	40	24	32	3566	.11
19--	40	24	32	3599	.11
20--	40	24	32	3632	.11
21--	41	25	33	3664	.11
22--	41	25	33	3696	.11
23--	41	25	33	3728	.11
24--	42	25	34	3760	.10
25--	42	26	34	3791	.10
26--	42	26	34	3822	.10
27--	42	26	34	3853	.11
28--	43	26	35	3883	.11
29--	43	26	35		.11
Month	39.5	23.9	31.7	932	3.10

Mar.	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	43	27	35	3913	.11
2---	44	27	36	3942	.11
3---	44	27	36	3971	.11
4---	44	28	36	4000	.11
5---	45	28	37	4028	.11
6---	45	28	37	4056	.11
7---	46	29	38	4083	.12
8---	46	29	38	4110	.12
9---	47	30	39	4137	.12
10--	47	30	39	4164	.12
11--	48	30	39	4190	.12
12--	48	30	39	4216	.12
13--	48	31	40	4242	.12
14--	49	31	40	4267	.12
15--	49	31	40	4292	.12
16--	49	32	41	4316	.12
17--	50	32	41	4340	.12
18--	50	33	42	4364	.12
19--	51	33	42	4387	.12
20--	51	33	42	4410	.13
21--	51	34	43	4433	.13
22--	52	34	43	4455	.13
23--	52	34	43	4477	.13
24--	52	35	44	4499	.13
25--	53	35	44	4520	.13
26--	53	35	44	4541	.13
27--	53	35	44	4562	.13
28--	53	36	45	4583	.13
29--	54	36	45	4603	.13
30--	54	36	45	4623	.13
31--	54	37	46	4643	.13
	49.2	31.8	40.5	760	3.78

Apr.	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	55	37	46	4662	.12
2---	55	37	46	4681	.12
3---	55	37	46	4700	.12
4---	56	38	47	4718	.12
5---	56	38	47	4736	.12
6---	56	38	47	4754	.12
7---	57	38	48	4771	.11
8---	57	39	48	4788	.11
9---	57	39	48	4805	.11
10--	58	39	49	4821	.11
11--	58	39	49	4837	.11
12--	58	40	49	4853	.11
13--	59	40	50	4869	.11
14--	59	40	50	4884	.11
15--	59	40	50	4899	.11
16--	60	40	50	4914	.11
17--	60	41	51	4929	.10
18--	60	41	51	4943	.10
19--	61	41	51	4957	.10
20--	61	42	52	4971	.11
21--	61	42	52	4985	.11
22--	62	42	52	4998	.10
23--	62	42	52	5011	.10
24--	62	42	52	5024	.10
25--	62	43	53	5037	.11
26--	63	43	53	5049	.11
27--	63	43	53	5061	.10
28--	64	44	54	5072	.10
29--	64	44	54	5083	.10
30--	65	44	55	5093	.11
	59.5	40.4	50.0	450	3.27

May	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	65	45	55	5103	.11
2---	66	45	56	5113	.11
3---	66	45	56	5122	.11
4---	66	46	56	5131	.11
5---	67	46	57	5139	.11
6---	67	47	57	5147	.11
7---	68	47	58	5154	.11
8---	68	48	58	5161	.11
9---	69	48	59	5167	.11
10--	69	49	59	5173	.11
11--	70	49	60	5179	.12
12--	70	50	60	5184	.12
13--	70	50	60	5189	.12
14--	71	50	61	5194	.12
15--	71	51	61	5199	.12
16--	72	51	62	5203	.12
17--	72	52	62	5207	.12
18--	72	52	62	5211	.12
19--	73	52	63	5215	.12
20--	73	53	63	5218	.12
21--	73	53	63	5221	.13
22--	74	53	64	5224	.13
23--	74	54	64	5227	.13
24--	74	54	64	5230	.13
25--	75	54	65	5232	.13
26--	75	55	65	5234	.13
27--	75	55	65	5236	.13
28--	76	56	66	5238	.13
29--	76	56	66	5239	.13
30--	76	56	66	5240	.13
31--	77	56	67	5241	.13
Month	71.3	50.9	61.1	148	3.73

June	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	77	57	67	5242	.13
2---	77	57	67	5243	.13
3---	77	57	67	5244	.13
4---	78	58	68	5245	.13
5---	78	58	68	5246	.13
6---	78	58	68	5247	.13
7---	79	58	69	5248	.13
8---	79	59	69	5249	.13
9---	79	59	69	5250	.13
10--	79	59	69	5251	.13
11--	80	59	70	5252	.13
12--	80	60	70	5252	.13
13--	80	60	70	5252	.13
14--	80	60	70	5252	.13
15--	81	60	71	5252	.13
16--	81	61	71	5252	.12
17--	81	61	71	5252	.12
18--	81	61	71	5252	.12
19--	82	61	72	5252	.12
20--	82	62	72	5252	.12
21--	82	62	72	5252	.12
22--	82	62	72	5252	.12
23--	82	62	72	5252	.12
24--	83	62	73	5252	.12
25--	83	63	73	5252	.12
26--	83	63	73	5252	.13
27--	83	63	73	5252	.13
28--	83	63	73	5252	.13
29--	83	63	73	5252	.13
30--	83	64	74	5252	.13
	80.5	60.4	70.5	11	3.80

July	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	84	64	74	0	.13
2---	84	64	74	0	.13
3---	84	64	74	0	.13
4---	84	64	74	0	.14
5---	84	64	74	0	.14
6---	84	65	75	0	.13
7---	84	65	75	0	.13
8---	85	65	75	0	.13
9---	85	65	75	0	.14
10--	85	65	75	0	.14
11--	85	65	75	0	.13
12--	85	65	75	0	.13
13--	85	66	76	0	.14
14--	85	66	76	0	.14
15--	85	66	76	0	.14
16--	85	66	76	0	.13
17--	85	66	76	0	.13
18--	85	66	76	0	.14
19--	86	66	76	0	.14
20--	86	66	76	0	.14
21--	86	67	77	0	.13
22--	86	67	77	0	.13
23--	85	67	76	0	.14
24--	85	67	76	0	.14
25--	85	67	76	0	.14
26--	85	66	76	0	.13
27--	85	66	76	0	.13
28--	85	66	76	0	.14
29--	85	66	76	0	.14
30--	85	66	76	0	.14
31--	85	66	76	0	.14
	84.9	65.6	75.3	0	4.20

Aug.	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	85	66	76	0	.13
2---	85	66	76	0	.13
3---	85	66	76	0	.14
4---	84	65	75	0	.14
5---	84	65	75	0	.14
6---	84	65	75	0	.13
7---	84	65	75	0	.13
8---	84	65	75	0	.14
9---	84	65	75	0	.14
10--	84	65	75	0	.14
11--	83	64	74	0	.13
12--	83	64	74	0	.13
13--	83	64	74	0	.14
14--	83	64	74	0	.14
15--	83	64	74	0	.14
16--	83	64	74	0	.13
17--	83	64	74	0	.13
18--	82	63	73	0	.14
19--	82	63	73	0	.14
20--	82	63	73	0	.14
21--	82	63	73	0	.13
22--	82	63	73	0	.13
23--	82	63	73	0	.14
24--	81	62	72	0	.14
25--	81	62	72	0	.14
26--	81	62	72	0	.13
27--	81	62	72	0	.13
28--	81	62	72	0	.14
29--	80	61	71	0	.13
30--	80	61	71	0	.13
31--	80	61	71	0	.13
	82.6	63.6	73.1	0	4.19

Sept.	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	80	61	71	0	.14
2---	80	61	71	0	.14
3---	80	60	70	0	.13
4---	79	60	70	0	.13
5---	79	60	70	0	.13
6---	79	60	70	0	.13
7---	79	60	70	0	.13
8---	79	59	69	0	.13
9---	78	59	69	1	.13
10--	78	59	69	2	.13
11--	78	59	69	3	.13
12--	78	58	68	4	.13
13--	77	58	68	5	.13
14--	77	58	68	6	.13
15--	77	57	67	8	.13
16--	77	57	67	10	.13
17--	76	57	67	12	.13
18--	76	57	67	14	.13
19--	76	56	66	16	.13
20--	75	56	66	18	.13
21--	75	56	66	20	.13
22--	75	55	65	22	.13
23--	74	55	65	25	.13
24--	74	55	65	28	.13
25--	74	54	64	31	.13
26--	74	54	64	34	.13
27--	73	54	64	37	.13
28--	73	53	63	40	.12
29--	73	53	63	43	.12
30--	72	52	62	47	.12
Month	76.5	57.1	66.8	47	3.89

Oct.	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	72	52	62	51	.12
2---	72	51	62	55	.12
3---	71	51	61	60	.12
4---	71	51	61	65	.11
5---	70	50	60	71	.11
6---	70	50	60	77	.11
7---	70	49	60	83	.11
8---	69	49	59	90	.11
9---	69	48	59	97	.11
10--	68	48	58	104	.11
11--	68	48	58	112	.10
12--	67	47	57	120	.10
13--	67	47	57	128	.10
14--	66	46	56	137	.10
15--	66	46	56	146	.10
16--	65	46	56	156	.10
17--	65	45	55	166	.10
18--	65	45	55	176	.10
19--	64	44	54	187	.10
20--	64	44	54	198	.10
21--	63	44	54	210	.10
22--	63	43	53	222	.10
23--	62	43	53	234	.10
24--	62	43	53	247	.10
25--	61	42	52	260	.10
26--	61	42	52	274	.10
27--	60	42	51	288	.10
28--	60	41	51	302	.10
29--	59	41	50	317	.09
30--	59	41	50	332	.09
31--	58	41	50	348	.09
	65.4	45.8	55.6	301	3.20

Nov.	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	58	40	49	364	.09
2---	58	40	49	389	.09
3---	57	40	49	396	.09
4---	57	40	49	413	.09
5---	57	39	48	430	.10
6---	56	39	48	447	.10
7---	56	39	48	465	.10
8---	56	39	48	483	.10
9---	55	38	47	501	.10
10--	55	38	47	519	.10
11--	55	38	47	538	.10
12--	54	38	46	557	.11
13--	54	37	46	576	.11
14--	54	37	46	596	.11
15--	53	37	45	616	.11
16--	53	36	45	636	.11
17--	53	36	45	657	.11
18--	52	36	44	678	.11
19--	52	36	44	699	.11
20--	52	35	44	720	.11
21--	52	35	44	742	.11
22--	51	35	43	764	.11
23--	51	35	43	786	.11
24--	50	34	42	809	.11
25--	50	34	42	832	.11
26--	50	34	42	855	.10
27--	49	34	42	879	.10
28--	49	33	41	903	.10
29--	49	33	41	927	.10
30--	48	33	41	951	.10
	53.2	36.6	44.9	603	3.10

Dec.	Temperature Max.	Min.	Avg.	* Degree Days	Precip
1---	48	32	40	976	.10
2---	47	32	40	1001	.10
3---	47	31	39	1027	.10
4---	46	31	39	1053	.10
5---	45	30	38	1080	.10
6---	45	30	38	1108	.10
7---	44	29	37	1137	.10
8---	43	29	36	1166	.10
9---	43	28	36	1196	.10
10--	42	28	35	1226	.10
11--	42	27	35	1257	.10
12--	41	27	34	1288	.10
13--	41	27	34	1320	.10
14--	41	26	34	1352	.10
15--	40	26	33	1384	.10
16--	40	25	33	1417	.10
17--	40	25	33	1450	.10
18--	40	25	33	1483	.10
19--	40	25	33	1516	.10
20--	39	25	32	1549	.10
21--	39	25	32	1582	.10
22--	39	25	32	1615	.10
23--	39	25	32	1648	.10
24--	39	24	32	1681	.10
25--	39	24	32	1714	.10
26--	39	24	32	1747	.10
27--	39	24	32	1780	.10
28--	39	24	32	1813	.10
29--	39	24	32	1846	.10
30--	39	24	32	1879	.10
31--	39	24	32	1912	.10
	41.4	26.6	34.0	961	3.10

Annual Normals---61.9 43.9 52.9 5252 42.96

* Normal accumulated Degree Days since July 1.
Feb. 29 not included in monthly or annual values; for Feb. 29, use value given for Feb. 28. Subsequent accumulations should be correspondingly increased for leap years.

Daily normals derived from corresponding 30 year monthly normals (1921-1950).

COMPARATIVE DATA

Table 42.

State and Station	Elevation ground (feet)	Temperature (°F) Normal (1921-1950) January Daily maximum	January Daily minimum	July Daily maximum	July Daily minimum	Annual	Extremes Length, yrs.	Record highest	Record lowest	Normal degree days (1921-1950) January	Seasonal
Atlanta, Georgia	975	53.3	35.9	89.4	69.6	62.2	77	103	-9	632	2826
Baltimore, Maryland	146	42.8	25.6	86.6	66.0	54.7	82	107	-7	955	4787
Boston, Massachusetts	15	36.5	21.6	80.0	64.3	50.7	84	104	-18	1113	5791
Buffalo, New York	693	32.4	18.5	81.1	60.0	47.5	82	99	-21	1225	6838
Chicago, Illinois	610	32.7	17.1	85.3	63.9	50.1	85	105	-23	1243	6310
Cincinnati Obs., Ohio	761	40.9	25.2	87.2	65.9	54.9	40	109	-17	989	4870
Cleveland, Ohio	787	36.0	20.9	84.7	62.6	50.6	85	103	-17	1132	6006
Denver, Colorado	5292	41.7	15.6	87.2	58.3	49.8	84	105	-29	1125	6132
Detroit, Michigan	619	33.1	19.3	83.5	62.6	49.3	85	105	-24	1203	6404
Havre, Montana CO	2488	26.3	6.1	85.9	56.6	43.6	76	108	-57	1513	8213
Houston, Texas CO	41	61.9	45.7	92.3	75.2	70.0	66	108	5	378	1276
Los Angeles, Calif. CO	312	64.6	45.4	83.2	61.7	63.9	78	110	28	328	1451
Memphis, Tennessee	263	50.3	32.9	91.1	71.3	61.8	81	106	-11	725	3137
Miami, Florida CO	8	74.4	62.6	86.8	76.4	75.3	45	95	27	57	173
Milwaukee, Wisconsin	672	29.2	14.5	81.2	61.4	46.8	85	105	-25	1336	7205
Minneapolis, Minn.	830	23.1	6.1	84.9	63.3	45.6	65	108	-34	1562	7853
Newark, N. J.	11	39.0	24.0	84.9	65.6	52.9	25	105	-14	1039	5252
New Orleans, La. CO	9	63.5	48.3	90.3	75.8	70.4	82	102	7	341	1175
New York, New York CO	10	39.9	25.8	82.3	66.9	53.4	85	102	-14	995	5050
Oklahoma City, Okla.	1280	47.0	27.2	93.3	70.9	60.4	16	109	-10	865	3644
Omaha, Nebraska	978	32.4	13.5	89.3	67.6	51.6	83	114	-32	1302	6160
Philadelphia, Pa. CO	26	41.5	28.2	85.3	69.0	55.7	84	106	-11	933	4523
Phoenix, Arizona	1114	64.8	34.5	105.1	75.1	69.4	60	118	16	474	1698
Pittsburgh, Pa.	1151	36.6	21.3	82.8	61.8	50.6	81	103	-20	1116	5905
St. Louis, Mo. CO	465	41.0	25.6	89.6	71.6	57.3	85	112	-22	983	4469
Salt Lake City, Utah	4220	35.9	17.0	92.3	60.8	51.3	27	106	-30	1194	5866
San Francisco, Calif. CO	52	55.4	44.8	64.4	53.4	56.7	84	101	27	462	3069
Seattle, Wash. CO	14	45.2	36.2	75.1	56.1	53.2	64	100	3	753	4438
Washington, D. C. CO	72	44.0	28.9	87.1	68.4	56.8	84	106	-15	884	4258

State and Station	Precipitation (inches) Normal (1921-1950) Wettest month	Driest month	Annual	Extremes Wettest month b	Driest month b	Maximum in 24 hours	Snow, sleet, hail Mean total January	Seasonal	Extreme Maximum in 24 hours	Relative humidity (percent) January 7:30 a.m. EST	1:30 p.m. EST	7:30 p.m. EST	July 7:30 a.m. EST	1:30 p.m. EST	7:30 p.m. EST	Wind Speed (m.p.h.) Mean hourly January	July	Fastest mile
Atlanta, Georgia	5.67	2.60	49.16	15.82	0.02	7.36	0.9	2.2	8.3	80	64	69	83	57	68	11.5	7.8	70
Baltimore, Maryland	4.38	2.95	42.59	17.69	.05	7.82	5.9	21.8	24.5	74	59	66	78	54	65	10.3	8.8	80
Boston, Massachusetts	3.50	2.79	38.76	17.09	T	8.40	11.8	41.8	16.5	71	59	67	72	55	70	12.8	10.1	87
Buffalo, New York	3.09	2.43	32.29	10.63	.05	4.28	18.9	74.8	24.3	79	72	78	78	53	63	17.5	12.1	91
Chicago, Illinois	4.15	1.41	32.72	12.06	.06	6.19	8.6	33.8	14.9	80	70	74	76	55	61	11.8	8.7	87
Cincinnati Obs., Ohio	4.07	2.19	39.34	13.68	.17	4.77	4.8	17.8	11.0	82	70	74	84	52	60	8.6	5.3	49
Cleveland, Ohio	3.13	2.12	32.08	9.77	.17	4.97	10.4	42.6	17.4	80	74	76	74	51	61	14.5	10.2	78
Denver, Colorado	2.20	.50	14.20	8.57	.00	6.53	6.0	56.1	23.0	58	42	47	63	30	33	7.7	7.1	65
Detroit, Michigan	3.61	2.02	31.03	8.76	.04	4.75	10.0	39.4	24.5	80	71	78	73	50	59	11.8	9.0	95
Havre, Montana CO	2.98	.39	12.31	9.67	T	3.71	7.0	36.8	24.8	82	71	77	75	38	35	9.4	7.5	59
Houston, Texas CO	4.84	2.81	45.37	17.64	T	10.83	.1	.2	3.0	85	66	73	90	58	66	10.6	8.4	84
Los Angeles, Calif. CO	3.37	T	14.54	15.80	.00	7.36	T	T	2.0	65	N45	57	87	N52	58	6.4	5.8	49
Memphis, Tennessee	5.58	2.55	49.42	18.16	.00	10.48	1.9	5.2	18.0	83	67	73	85	55	59	12.5	7.8	57
Miami, Florida CO	7.88	1.73	47.20	25.34	T	15.10	.0	hT	hT	87	59	75	83	64	77	13.5	10.4	132
Milwaukee, Wisconsin	3.33	1.27	27.57	10.03	.05	5.76	12.3	45.8	20.3	76	68	74	75	59	65	12.2	9.0	73
Minneapolis, Minn.	4.26	.80	24.71	11.87	T	7.80	8.9	42.4	16.2	77	67	72	79	51	54	11.2	9.7	92
Newark, N. J.	4.20	3.10	42.96	11.84	.07	4.59	6.4	23.8	26.0	72	59	65	74	51	65	11.1	8.6	82
New Orleans, La. CO	7.09	3.66	63.54	25.11	T	14.01	.1	.2	8.2	85	67	73	84	64	72	8.3	6.4	98
New York, New York CO	4.34	3.04	42.03	14.51	.11	9.40	7.5	30.1	25.8	72	N61	66	75	N57	68	16.4	12.0	113
Oklahoma City, Okla.	4.25	1.24	30.22	10.78	T	4.82	3.8	9.1	8.4	79	63	63	82	52	49	16.1	12.1	87
Omaha, Nebraska	4.51	.81	25.90	12.70	T	7.03	6.5	27.9	16.4	80	66	69	76	51	52	9.8	8.1	109
Philadelphia, Pa. CO	4.62	2.61	41.44	12.10	.09	5.89	5.7	21.2	21.0	74	65	68	75	56	66	10.9	8.7	88
Phoenix, Arizona	1.00	.06	7.16	6.47	.00	4.98	T	T	1.0	70	40	38	53	30	23	4.3	5.8	65
Pittsburgh, Pa.	4.07	2.37	36.92	10.25	.06	4.08	8.5	33.0	17.5	77	67	72	77	52	60	11.6	8.5	73
St. Louis, Mo. CO	4.10	1.88	37.86	20.45	.00	8.78	4.2	17.1	20.4	77	65	68	73	50	55	11.9	9.2	91
Salt Lake City, Utah	1.76	.61	14.74	4.90	.00	2.03	14.0	51.7	15.4	80	71	72	56	28	24	7.6	9.5	71
San Francisco, Calif. CO	4.07	.01	20.51	24.36	.00	4.67	T	.2	3.7	85	N69	71	91	N71	75	7.4	11.5	51
Seattle, Wash. CO	5.34	.52	31.92	15.33	.00	3.52	5.0	11.2	21.5	86	81	74	86	63	48	10.2	7.9	65
Washington, D. C. CO	4.49	2.64	41.44	17.45	.14	7.31	6.0	19.5	25.0	73	56	64	78	52	68	7.7	5.7	62

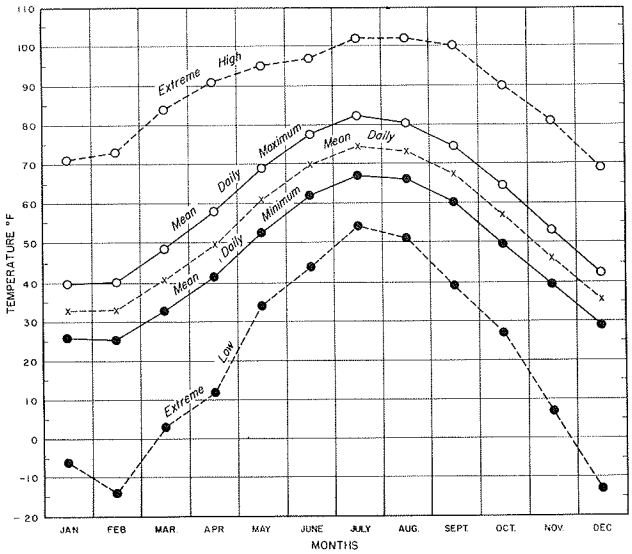
State and Station	Sunshine (percent of possible) January	July	Annual mean number of days: Sunrise to sunset Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, sleet, hail 1.0 inch or more	Thunderstorms	Heavy fog	Temperature Max. 90° and above	Min. 32° and below	Zero and below
Atlanta, Georgia	48	62	126	111	128	122	*	50	21	33	38	*
Baltimore, Maryland	48	67	121	124	120	124	6	32	17	24	72	*
Boston, Massachusetts	49	64	114	115	136	126	11	19	15	9	103	2
Buffalo, New York	31	70	72	130	163	164	22	29	13	2	128	3
Chicago, Illinois	44	73	113	120	132	124	10	37	11	13	110	8
Cincinnati Obs., Ohio	41	72	108	115	142	135	7	52	17	30	95	1
Cleveland, Ohio	29	71	89	119	157	154	15	36	6	7	114	3
Denver, Colorado	67	69	142	152	71	86	17	43	4	23	139	8
Detroit, Michigan	34	69	96	122	147	135	12	32	11	10	125	4
Havre, Montana CO	49	78	125	132	108	90	13	23	5	19	171	40
Houston, Texas CO	49	69	116	126	123	101	*	57	16	83	8	0
Los Angeles, Calif. CO	70	78	181	124	60	39	*	5	23	14	*	0
Memphis, Tennessee	45	73	141	106	118	112	2	50	6	53	45	*
Miami, Florida CO	66	65	103	155	107	133	0	72	2	6	*	0
Milwaukee, Wisconsin	44	73	108	119	138	122	13	33	18	8	129	13
Minneapolis, Minn.	49	72	105	113	147	107	15	38	8	15	149	31
Newark, N. J.	--	--	93	117	155	123	6	24	28	23	98	*
New Orleans, La. CO	49	58	119	137	109	119	*	74	14	57	4	0
New York, New York CO	51	65	105	130	130	125	8	31	18	7	91	*
Oklahoma City, Okla.	59	79	152	97	116	83	2	51	15	72	76	*
Omaha, Nebraska	56	77	133	117	115	98	10	40	9	31	123	14
Philadelphia, Pa. CO	45	64	109	122	134	123	6	27	10	14	76	*
Phoenix, Arizona	76	83	228	89	48	36	0	26	1	168	21	0
Pittsburgh, Pa.	32	65	85	128	152	150	11	40	24	16	103	2
St. Louis, Mo. CO	48	72	138	115	112	112	5	49	10	37	80	2
Salt Lake City, Utah	49	82	135	108	122	87	18	34	10	50	133	5
San Francisco, Calif. CO	53	68	154	116	95	69	*	2	15	1	*	0
Seattle, Wash. CO	25	64	74	106	185	152	3	5	24	1	20	0
Washington, D. C. CO	46	64	125	119	121	124	6	33	11	27	81	*

CO after station name indicates city office data.
Other data either from airport, or from airport and city office records combined.
* Less than one-half.
N Computed at NOON local time.
T Trace, an amount too small to measure.

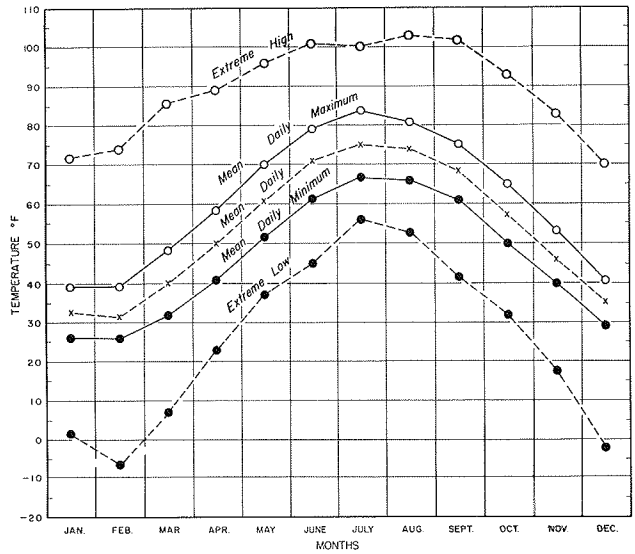
h Snow has not been observed.
b Derived from extreme months of each separate year of record for period 1921-1950.
Degree days: Base 65°F.
Mean number of days: Annual averages
Clear: Average cloudiness does not exceed 3/10 of sky.

Partly cloudy: Average cloudiness is 4/10 to 7/10.
Cloudy: Average cloudiness is 8/10 or more.
Heavy Fog: Includes data referred to at various times in the past as "Dense" or "Thick". The upper visibility limit for heavy fog is 1/4 mile.
Source: Climatological Data, National Summary, 1955, Annual.

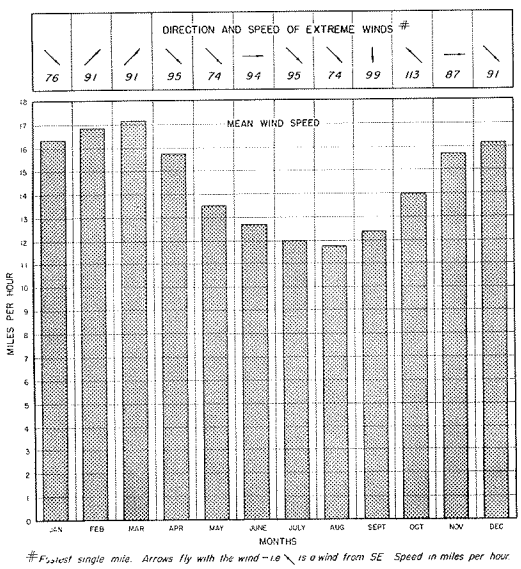
GRAPH D - CITY OFFICE TEMPERATURES



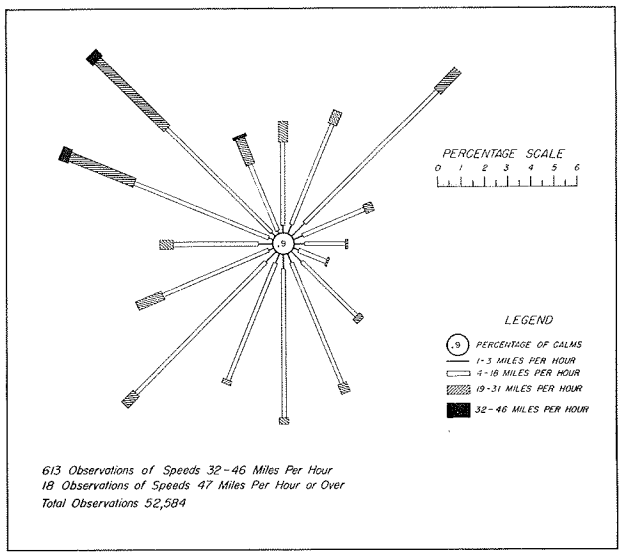
GRAPH E - LAGUARDIA TEMPERATURES



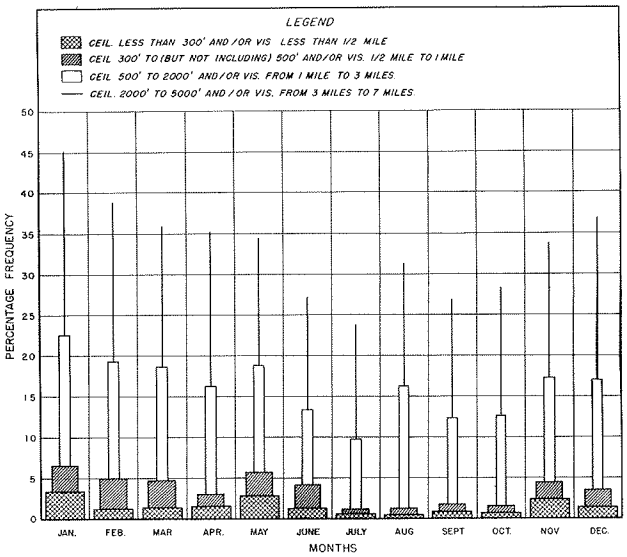
GRAPH F - CITY OFFICE WIND SPEED



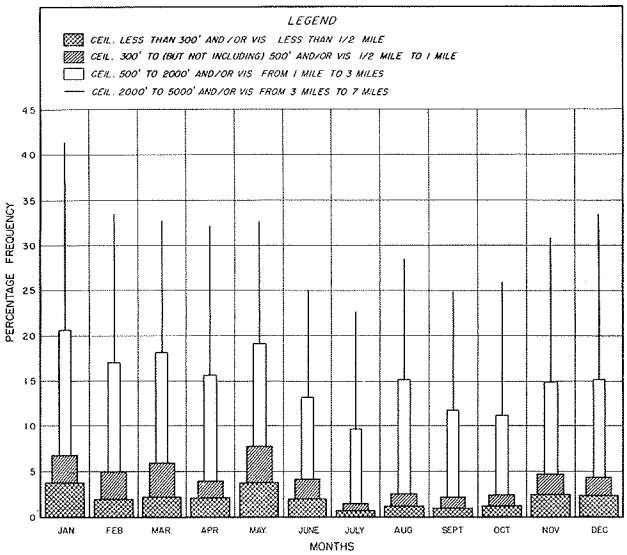
GRAPH G - LAGUARDIA ANNUAL SURFACE WIND ROSE



GRAPH H - LAGUARDIA SIMULTANEOUS CEILINGS AND VISIBILITIES

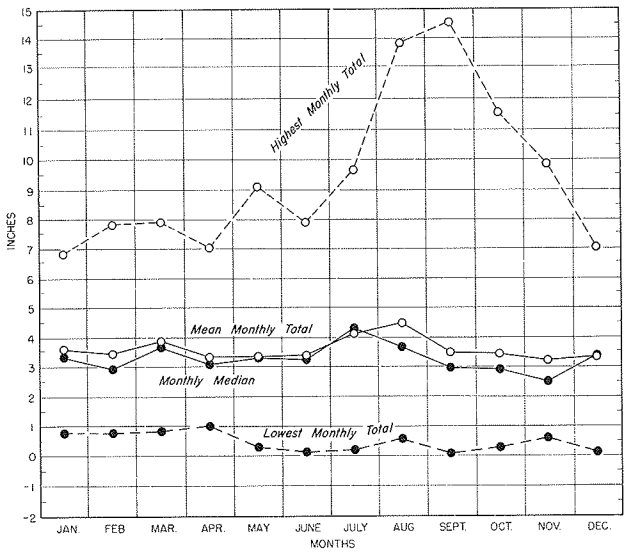


GRAPH I - INTERNATIONAL AIRPORT SIMULTANEOUS CEILINGS AND VISIBILITIES

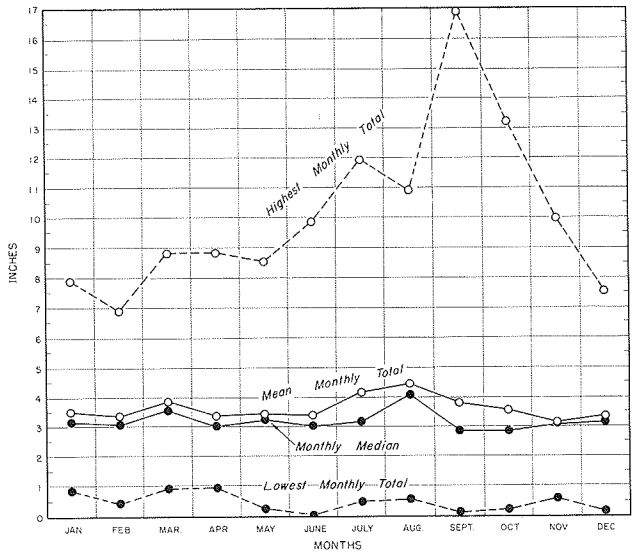


See APPENDIX (Page 61) for period of record used in graphs.

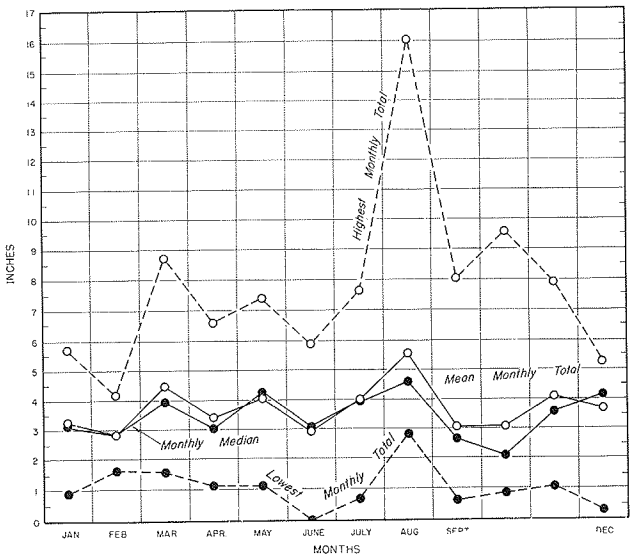
GRAPH J - CITY OFFICE PRECIPITATION



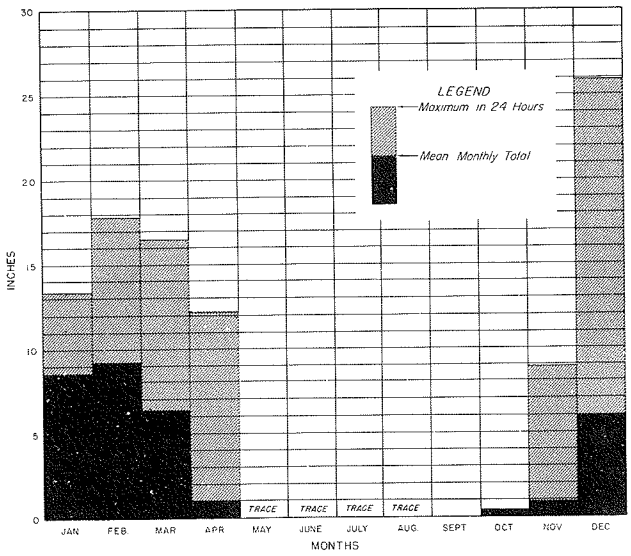
GRAPH K - CENTRAL PARK PRECIPITATION



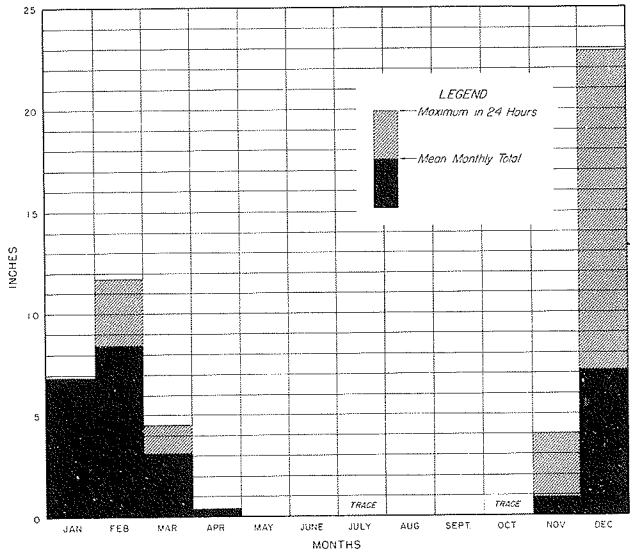
GRAPH L - LAGUARDIA PRECIPITATION



GRAPH M - CITY OFFICE SNOWFALL



GRAPH N - LAGUARDIA SNOWFALL



See APPENDIX (Page 61) for period of record used in graphs.

APPENDIX

Record climatic events noted subsequent to the period covered by the various tables:

New York City Office reports that 1958 was the third wettest year from January 1 through May 31, with a total precipitation of 25.14 inches. The same period in 1893 totaled 27.26 inches; and in 1953 the total was 25.62 inches. (Table 15)

The daily minimum temperature at New York City Office was 66°F. on April 29, 1956 to equal the previous Highest Daily Minimum Temperature (Table 9), recorded April 15, 1941 and April 8, 1929.

A new record for sunshine was set in July 1957 when 87% of possible was recorded at New York City Office. The previous record was 85% in 1929.

Total monthly precipitation at New York LaGuardia Airport in August 1957 was 2.43 inches to set a new low record for the month. Previous lowest amount was 2.83 inches in 1945. (Table 15)

A record high sea level pressure for New York City Office was set in August 1957 at 30.49 inches; previous high was 30.45 inches in 1934. (Table 33).

The lowest average station pressure at Newark Airport, N. J., for January was recorded in 1958 at 29.873 inches; previous low was 29.969 inches in 1953.

The lowest average station pressure at Newark Airport, N. J., for February was recorded in 1958 at 29.723 inches; previous low was 29.769 inches in 1947.

Total precipitation for April 1958, recorded at 6.41 inches, was the greatest monthly amount from 1931-1958 at Newark Airport, N. J.

Total monthly precipitation at Newark Airport, N. J., in April 1958 was 6.41 inches to set a new high record for the month. Previous greatest amount was 6.07 inches in 1953. (Table 15)

The lowest average temperature at Newark Airport, N. J., for June was recorded in 1958 at 67.5°F. Previous June low was 67.8°F in 1947. (Table 1)

Additional notes concerning Graphs D through N which appear on preceding pages:

Graph D:
Period of Record - 1871 through 1955. New York City Office.

Graph E:
Period of Record - 1930 through 1955. New York LaGuardia Airport.

Graph F:
Period of Record - 1912 through 1955. New York City Office.

Graph G:
Period of Record - Jan. 1950 through Dec. 1955. New York LaGuardia Airport.

Graph H:
Based on data given in Table 32. Period of Record - July 1948 through June 1956. New York LaGuardia Airport.

Graph I:
Based on data given in Table 32. Period of Record - July 1948 through June 1956. New York International Airport.

Graph J:
Maximum, Minimum and Mean Monthly Precipitation, 1871 through 1955. Median, 1900 through 1954, New York City Office.

Graph K:
Maximum, Minimum and Mean Monthly Precipitation, 1869 through 1955. New York Central Park Observatory.

Graph L:
Maximum, Minimum and Mean Precipitation, 1940 through 1955, New York LaGuardia Airport.

Graph M:
Based on data given in Tables18 and 20 through 1955. New York City Office.

Graph N:
Based on data given in Tables 18 and 20, through 1955. New York LaGuardia Airport.

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