

U. S. DEPARTMENT OF COMMERCE
WEATHER BUREAU

LOCAL CLIMATOLOGICAL DATA

WITH COMPARATIVE DATA

1964

WILMINGTON, DELAWARE



NARRATIVE CLIMATOLOGICAL SUMMARY

Delaware is part of the Atlantic Coastal Plain consisting mainly of flat low land with many marshes. Small streams and tidal estuaries comprise the drainage of the State. Wilmington, at the northern end of the State, marks the beginning of low rolling hills extending northward and northwestward into Pennsylvania. The Delaware River, the Delaware Bay, and the Atlantic Ocean are along the eastern boundary of the State. The broad Chesapeake Bay lies thirty-five miles, or less, to the west of the western boundary of nearly the entire State. These large water areas influence to a considerable extent the climate of the Wilmington, Delaware, region.

Summers are warm and humid and winters are usually mild. During the summer maximum temperatures are usually in the eighties. The maximum temperature reaches 100° on the average of one year in six. During the coldest part of the year, mid-January, the normal daily average temperature is 33°. On the average zero temperatures may be expected one year in three. Most of the winter precipitation falls as rain. Seasonal snowfall has been as little as one inch, and there has been a season with nearly fifty inches snowfall. Snow is frequently mixed with rain and sleet. Snow seldom remains on the ground more than a few days.

The average date for the last occurrence in spring of temperature as low as 32° F. is mid-April. The average date for the first occurrence in fall of temperature as low as 32° F. is late October.

The average freeze-free period is approximately 200 days.

The proximity of large water areas and the inflow of southerly winds cause the relative humidity to be quite high all year. During the summer months the average relative humidity is approximately 75 percent. Fog is relatively frequent and may occur in any month. Light southeast winds blowing up the Delaware Bay favor the formation of fog. Light north-northeast winds bring in smoke from Philadelphia and from the heavy industry area located along the Delaware River north of Wilmington.

Rainfall distribution throughout the year is fairly uniform; however, the greatest amounts normally come during the summer months. Mostly, the summer rainfall comes in the form of thunderstorms. Moisture deficiencies for crops occur occasionally but severe droughts are rare. During the fall, winter, and spring seasons, much of the rainfall comes as a result of storms forming over the southern states, or the south Atlantic and then moving northward along the Atlantic Coast. During the late summer and early fall, hurricanes occasionally cause heavy rainfall but winds seldom reach hurricane force in Wilmington. Heavy rains occasionally cause minor flash flooding, but the streams and rivers of northern Delaware are not subject to major flooding. Strong easterly and southeasterly winds sometimes cause high tides in the Delaware Bay and the Delaware River resulting in the flooding of lowlands and damage to bay front and river front properties.

LATITUDE 39° 40' N
LONGITUDE 75° 36' W
ELEVATION (ground) 78 feet

METEOROLOGICAL DATA FOR THE CURRENT YEAR

WILMINGTON, DELAWARE
GREATER WILMINGTON AIRPORT
1964

Month	Temperature							Degree days	Precipitation						Relative humidity				Wind * °						Percent of possible sunshine	Average sky cover sunrise to sunset	Number of days									
	Averages			Extremes					Total	Greatest in 24 hrs.	Date	Snow, Sleet			1:00 A.M. EST	7:00 A.M. EST	1:00 P.M. EST	7:00 P.M. EST	Average hourly speed	Prevailing direction	Fastest mile			Clear			Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Sleet 1.0 inch or more	Thunderstorms	Heavy fog	Temperatures			
	Daily maximum	Daily minimum	Monthly	Highest	Date	Lowest	Date					Total	Greatest in 24 hrs.	Date							Speed	Direction	Date										30° and above	32° and below	32° and below	0° and below
JAN	42.3	24.0	33.2	62	25	1	15	982	4.13	1.26	9	6.7	6.6	12-13	75	77	57	66	10.2	29	38	30	21	4.6	16	5	10	9	1	0	3	0	5	26	0	0
FEB	39.2	24.0	31.6	55	5	11	23	962	3.37	1.01	18-19	14.9	5.8	11	69	74	58	65	12.1	31	31	28	8	5.6	10	8	11	10	5	1	0	4	28	0	0	
MAR	53.6	32.6	43.1	76	10+	21	31	669	2.20	1.42	21-22	9.5	8.1	21-22	73	76	53	61	12.0	31	42	30	10	6.5	7	6	18	12	3	1	1	0	0	0	0	
APR	58.6	40.1	49.4	83	18	25	2	467	5.97	0.97	30	T	T	9+	80	79	60	71	11.0	18	33	24	3	7.0	7	6	17	15	0	1	0	0	0	0	0	
MAY	76.1	52.5	64.3	92	23	43	3+	91	0.22	0.16	13	0.0	0.0		71	70	41	51	10.2	22	24	23	19+	5.3	11	11	9	2	0	1	2	2	0	0	0	
JUN	83.2	61.0	72.1	98	30	46	4	21	1.02	0.72	8	0.0	0.0		76	70	45	53	9.5	18	28	23	15	5.6	10	8	12	4	0	4	3	8	0	0	0	
JUL	84.5	67.0	75.8	96	1	56	5	0	3.70	2.33	8	0.0	0.0		80	81	55	65	8.8	23	27	20	13	5.9	8	11	12	5	0	5	0	4	0	0	0	
AUG	81.5	61.5	71.5	92	22	48	15	9	1.83	0.69	3	0.0	0.0		80	81	53	65	8.2	18	25	33	18	6.0	6	15	10	10	0	3	1	4	0	0	0	
SEP	78.1	56.2	67.2	94	11	42	26	49	2.77	1.42	28-29	0.0	0.0		76	78	48	60	9.5	36	23	24	24+	4.7	15	5	10	7	0	0	0	3	0	0	0	
OCT	64.2	41.3	52.8	77	18	27	24	372	1.29	0.66	2-3	0.0	0.0		79	83	46	65	8.1	29	25	32	3	4.5	15	5	11	6	0	0	1	0	0	0	5	0
NOV	59.2	36.0	47.6	72	13	17	23+	514	1.62	1.22	25	T	T	30	73	80	48	63	8.6	29	28	18	20	4.6	13	9	8	6	0	0	3	0	0	6	0	
DEC	44.9	29.6	37.3	70	26	13	19	854	4.70	1.53	27	1.6	1.5	20	82	83	68	74	9.1	29	29	30	31+	6.6	8	6	17	9	1	1	8	0	2	20	0	
YEAR	63.8	43.8	53.8	98	JUN. 30	1	JAN. 15	4990	32.82	2.33	JUL. 8	32.7	8.1	MAR. 21-22	76	78	53	63	9.8	29	42	30	MAR. 10	5.6	126	95	145	95	10	21	34	21	11	104	0	0

NORMALS, MEANS, AND EXTREMES

Month	Temperature							Normal degree days	Precipitation										Relative humidity				Wind				Per. of possible sunshine	Mean sky cover sunrise to sunset	Mean number of days																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
	Normal				Extremes				Normal total	Maximum monthly	Year	Minimum monthly	Year	Maximum in 24 hrs.	Year	Snow, Sleet					1:00 A.M. EST	7:00 A.M. EST	1:00 P.M. EST	7:00 P.M. EST	Mean hourly speed	Prevailing direction			Fastest mile			Clear	Sunrise to sunset			Precipitation .01 inch or more	Snow, Sleet 1.0 inch or more	Thunderstorms	Heavy fog	Temperatures																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
	Daily maximum	Daily minimum	Monthly	Record highest	Year	Record lowest	Year									Mean total	Maximum monthly	Year	Maximum in 24 hrs.	Year									Speed	Direction	Year		90° and above	32° and below	32° and below					0° and below																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
(a)	(b)	(b)	(b)	17		17		(b)	(b)	17		17		17		17	17	17	17	17	16	16						17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17

Means and extremes in the above table are from the existing or comparable location(s). Annual extremes have been exceeded at other locations as follows: Highest temperature 107 in August 1918; lowest temperature -15 in February 1934; maximum monthly precipitation 14.91 in August 1911; minimum monthly precipitation 0.06 in October 1924; maximum precipitation in 24 hours 6.53 in August 1945; maximum monthly snowfall 27.0 in January 1935; maximum snowfall in 24 hours 22.0 in December 1909.

- (a) Length of record, years.
(b) Climatological standard normals (1931-1960).
* Less than one half.
+ Also on earlier dates, months or years.
T Trace, an amount too small to measure.
Below-zero temperatures are preceded by a minus sign.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in degrees F.; precipitation, including snowfall, in inches; wind movement in miles per hour; and relative humidity in percent. Monthly heating degree day totals are the sums of the negative departures of average daily temperatures from 65° F. Sleet was included in snowfall totals beginning with July 1948. Heavy fog reduces visibility to 1/4 mile or less.

& Figures instead of letters in a direction column indicate direction in tens of degrees from true North; i. e., 09=East, 18=South, 27=West, and 36=North. If figures appear in the direction column under "Fastest mile" the corresponding speeds are fastest observed 1-minute values.

Sky cover is expressed in a range of 0 for no clouds or obscuring phenomena to 10 for complete sky cover. The number of clear days is based on average cloudiness 0-3; partly cloudy days 4-7; and cloudy days 8-10 tenths.

AVERAGE TEMPERATURE

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	An'l.
1930	33.4	37.8	42.4	49.9	64.7	73.0	76.7	73.9	72.3	53.8	45.2	34.2	54.8
1931	33.6	35.0	39.2	50.5	61.7	71.0	77.2	74.2	72.1	59.2	52.0	42.2	55.7
1932	44.2	38.3	37.8	50.2	62.0	70.7	75.0	74.6	68.8	57.6	44.1	38.4	54.0
1933	40.4	35.6	39.8	52.1	64.7	72.4	74.3	74.4	69.7	55.8	42.4	34.1	55.6
1934	36.2	20.2	38.0	51.0	64.2	74.0	77.4	71.3	68.8	54.0	48.0	34.4	53.1
1935	30.0	32.0	45.8	50.1	59.1	70.1	76.8	74.0	65.2	56.4	49.0	29.7	53.2
1936	28.2	25.0	46.8	49.6	65.0	70.8	75.9	75.8	68.8	57.5	43.0	38.3	53.7
1937	41.0	35.2	37.8	51.0	63.8	72.0	75.7	75.8	65.1	54.4	44.6	34.2	54.2
1938	32.8	36.4	45.0	54.1	60.9	70.4	75.9	76.5	68.0	57.6	47.8	35.8	54.9
1939	32.6	38.6	42.2	50.2	64.2	72.4	74.6	76.0	68.4	57.0	42.8	36.8	54.6
1940	22.9	33.0	36.4	46.8	61.2	70.3	75.4	70.8	64.8	52.1	44.8	39.0	51.5
1941	30.8	30.2	35.8	58.3	64.9	70.7	75.0	73.0	70.2	61.4	48.0	38.8	54.6
1942	31.0	30.7	43.8	54.8	65.6	71.4	75.4	72.8	67.0	57.4	46.2	31.3	54.0
1943	31.9	34.8	42.6	47.4	63.4	75.4	75.0	75.2	67.0	54.5	44.3	33.6	53.8
1944	34.4	34.2	38.9	50.0	67.3	71.7	75.8	74.7	71.2	55.2	45.6	31.6	54.2
1945	26.1	33.4	51.6	55.4	60.2	71.0	74.2	71.8	70.2	54.7	47.3	30.0	53.8
1946	34.2	35.0	50.4	50.2	61.6	67.4	73.4	69.8	68.4	59.1	47.8	37.4	53.8
1947	37.8	27.8	36.5	51.4	60.9	68.0	73.8	75.2	67.5	62.2	42.9	33.4	53.1
1948	25.5	31.0	43.4	51.0	61.4	70.8	75.7	73.8	66.8	54.2	49.4	36.3	53.2
1949	39.2	38.6	43.2	52.0	62.9	72.9	76.7	75.1	64.2	60.4	44.5	37.5	55.8
1950	42.7	33.6	37.6	48.3	60.1	69.7	74.0	72.5	63.4	57.6	45.0	32.4	53.1
1951	34.2	34.8	41.5	51.6	61.9	70.4	75.9	73.8	67.0	59.1	41.5	37.6	54.1
1952	37.0	37.6	40.5	54.6	61.0	73.4	78.4	74.3	67.4	52.4	45.5	37.4	55.0
1953	37.6	38.4	44.4	52.3	65.0	72.2	77.0	74.5	68.2	58.0	45.2	38.7	56.0
1954	31.3	40.1	41.5	55.6	68.0	72.0	76.2	72.9	68.3	59.6	43.8	35.1	54.8
1955	31.5	34.1	43.5	54.8	64.8	68.7	81.2	77.9	67.2	58.1	43.3	29.9	54.6
1956	31.8	37.5	38.6	49.9	59.9	71.7	73.4	73.4	64.6	56.9	45.2	41.3	53.7
1957	28.6	37.4	42.0	54.1	62.9	74.2	75.9	73.2	68.7	53.3	46.6	37.9	54.6
1958	30.8	37.3	49.2	53.4	60.7	67.4	76.5	73.0	65.8	55.4	45.8	28.6	52.0
1959	30.9	33.0	41.1	54.3	65.6	72.0	75.4	76.0	70.4	59.5	44.7	38.0	55.1
1960	35.1	35.9	32.8	46.4	60.6	71.0	73.1	74.9	68.0	55.3	45.9	28.4	53.1
1961	25.6	34.7	42.8	48.9	58.9	70.7	73.4	74.0	72.5	56.9	46.7	33.2	53.3
1962	31.2	31.3	41.2	52.2	64.2	71.5	72.6	72.9	63.6	56.7	42.5	30.3	52.5
1963	28.4	27.5	44.1	52.6	60.3	70.8	76.3	71.7	63.7	58.4	48.0	28.4	52.5
1964	33.2	31.6	43.1	49.4	64.3	72.1	75.8	71.5	67.2	52.8	47.6	37.3	53.8

RECORD
MEAN
TEMP
MAX
MIN

32.8	33.1	42.0	52.2	62.8	71.3	76.0	74.0	87.8	56.8	45.6	34.9	54.1
40.5	41.3	51.4	62.7	73.5	81.7	85.7	83.5	77.6	66.6	54.2	42.5	63.4
25.0	24.9	32.5	41.7	52.0	60.9	66.2	64.4	58.0	46.9	36.9	27.2	44.7

Record mean values above (not adjusted for instrument location changes listed in the Station Location table) are means for the period beginning in 1895 for temperature and 1894 for precipitation.

TOTAL PRECIPITATION

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1930	3.36	3.04	2.71	1.75	3.13	2.09	2.72	1.88	5.45	1.14	1.80	2.50	31.55
1931	2.35	1.80	4.28	2.65	4.54	4.60	5.59	9.07	1.29	2.09	1.07	2.29	41.80
1932	8.02	2.15	8.87	1.48	4.02	4.91	1.55	3.50	2.97	8.21	7.14	3.18	50.00
1933	2.88	3.59	5.14	5.75	6.16	1.49	8.12	11.10	3.46	1.79	1.04	2.98	51.46
1934	2.83	2.83	3.60	4.00	4.18	4.78	4.52	5.33	6.98	1.64	4.38	2.45	47.50
1935	5.04	3.48	2.73	3.68	3.40	5.20	4.23	4.60	6.80	3.09	6.25	2.53	50.83
1936	7.45	2.72	5.97	2.98	2.90	3.39	2.71	7.01	3.47	3.11	0.78	5.46	47.95
1937	6.36	2.30	2.09	4.41	2.37	5.48	2.58	6.57	2.69	5.29	3.19	1.38	44.71
1938	2.40	2.52	2.41	2.02	4.05	8.37	6.94	5.24	8.10	1.91	2.80	3.48	50.24
1939	3.57	5.90	3.85	6.47	0.35	5.59	1.87	6.78	0.87	5.88	0.72	1.90	43.35
1940	1.51	2.87	5.64	6.47	4.88	2.04	1.87	5.33	2.99	2.67	4.58	2.62	43.47
1941	3.17	1.88	1.99	2.90	1.42	3.61	5.68	3.21	0.73	1.84	2.81	3.78	33.20
1942	2.89	2.67	5.60	1.12	2.48	2.41	9.05	9.54	2.14	3.98	3.08	4.37	49.34
1943	2.73	1.88	2.76	3.56	1.88	4.05	3.87	1.12	0.45	6.20	3.54	1.35	37.79
1944	3.39	2.00	6.02	5.20	2.31	5.06	1.31	3.53	6.58	2.14	4.60	3.35	45.49
1945	4.27	3.15	2.73	4.32	5.17	4.80	9.94	10.67	4.41	1.85	5.70	4.04	61.05
1946	1.76	1.95	3.28	1.88	7.12	6.42	4.76	6.26	3.91	2.11	1.38	2.25	43.09
1947	3.72	1.47	2.39	6.20	7.24	4.27	2.99	2.31	2.19	2.23	8.11	1.80	44.82
1948	4.05	2.68	3.76	3.07	7.35	5.25	1.15	4.58	1.87	1.25	4.82	5.25	45.06
1949	5.59	4.18	3.00	2.89	4.10	0.98	6.16	3.55	3.08	3.63	1.15	2.90	40.97
1950	1.97	3.11	4.74	1.81	3.32	2.45	4.35	3.05	7.06	2.46	4.22	1.95	40.49
1951	3.64	2.96	3.76	2.56	3.56	4.27	3.84	3.23	1.16	3.17	7.32	5.79	45.26
1952	5.09	2.73	5.35	5.57	4.61	2.52	7.40	3.09	3.12	0.46	5.40	3.61	48.95
1953	5.14	2.69	5.72	4.76	5.39	2.52	3.21	1.89	3.64	3.87	2.19	4.13	45.15
1954	1.71	1.82	4.03	2.84	2.38	0.44	1.93	5.82	3.39	2.08	4.14	3.14	33.72
1955	0.59	2.93	4.86	2.55	1.18	6.34	0.16	12.09	2.27	2.62	1.36	0.19	37.14
1956	2.61	4.21	5.18	2.80	2.12	3.58	7.39	3.58	2.77	3.58	5.94	4.09	47.85
1957	2.30	3.76	2.64	3.73	2.36	3.45	1.33	2.61	6.55	2.51	3.11	4.74	39.09
1958	3.63	4.14	5.39	4.62	3.89	5.17	7.51	7.00	2.91	3.99	3.27	1.25	51.87
1959	1.89	1.80	2.97	2.15	1.34	4.23	5.21	5.75	2.29	4.11	2.99	3.46	38.19
1960	2.86	3.69	1.71	2.93	5.12	1.37	6.18	5.08	9.53	2.85	2.04	2.67	46.03
1961	2.84	3.74	5.19	4.88	2.45	3.10	4.84	3.75	2.33	1.88	2.41	3.03	40.44
1962	2.51	3.26	4.30	3.50	1.61	3.05	1.78	1.87	3.65	1.51	4.87	2.50	34.41
1963	2.05	2.09	4.24	1.32	1.23	3.26	1.65	4.03	3.50	0.21	6.87	1.85	32.10
1964	4.13	3.37	2.20	5.97	0.22	1.02	3.70	1.83	2.77	1.29	1.62	4.70	32.82

RECORD
MEAN

3.40	3.14	3.75	3.58	3.50	3.79	4.81	4.92	3.63	2.99	3.28	3.38	43.97
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TOTAL HEATING DEGREE DAYS

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1925-26	1	10	29	440	651	924	1027	908	857	482	131	54	5515
1926-27	4	5	60	334	642	1057	1046	746	851	476	167	49	5237
1927-28	1	20	44	247	481	859	959	896	752	480	159	14	4912
1928-29	0	0	114	247	523	850	1006	896	533	344	175	31	4719
1929-30	3	0	56	347	558	909	975	757	693	444	97	3	4842
1930-31	0	3	7	340	589	947	964	834	794	422	155	9	5064
1931-32	0	1	25	208	385	697	641	770	843	440	135	15	4160
1932-33	0	0	37	235	619	859	753	820	781	378	88	30	4600
1933-34	0	0	22	292	671	951	888	1246	828	409	104	1	5412
1934-35	0	12	21	333	504	944	1080	919	587	448	220	12	5080
1935-36	0	3	55	264	474	1086	1133	1152	557	458	90	6	5278
1936-37	0	0	33	238	660	822	739	828	841	410	102	0	4673
1937-38	0	2	87	333	603	945	987	792	617	337	145	17	4865
1938-39	0	0	53	238	515	900	995	734	700	445	132	6	4718
1939-40	0	3	21	274	658	863	1298	924	876	539	144	15	5615
1940-41	3	23	83	392	600	801	1049	968	904	288	104	19	5234
1941-42	1	6	26	198	501	802	1048	954	651	311	56	8	4562
1942-43	0	9	70	234	556	1037	1022	837	688	519	108	5	5085
1943-44	2	0	62	323	611	967	935	888	801	443	37	12	5081
1944-45	3	3	38	307	577	1029	1197	877	426	284	174	54	4966
1945-46	1	6	18	314	526	1076	951	833	447	437	139	67	4815
1946-47	0	8	22	196	505	846	836	1036	876	410	182	25	4942
1947-48	0	0	113	122	656	972	1230	982	681	419	156	11	5342
1948-49	0	0	55	338	468	892	805	741	681	394	122	13	4509
1949-50	0	3	87	184	613	854	882	872	841	494	163	13	4806
1950-51	0	2	114	232	598	1001	948	838	718	396	125	19	4981
1951-52	0	2	45	214	695	842	859	789	751	309	140	8	4651
1952-53	0	4	32	391	879	888	1046	740	631	377	67	18	4533
1953-54	0	0	53	215	589	810	1040	684	723	289	163	7	4593
1954-55	0	0	36	249	630	920	1031	857	660	300	83	30	4796
1955-56	0	0	45	226	645	1081	1021	790	810	456	199	13	5286
1956-57	1	1	120	249	589	727	1120	764	703	344	129	16	4763
1957-58	0	0	65	359	544	836	1056	1050	800	347	149	31	5237
1958-59	0	0	64	297	565	1123	1051	890	734	325	103	22	5174
1959-60	0	0	44	256	605	831	920	840	994	279	144	2	4915
1960-61	0	0	18	297	565	1130	1215	843	687	486	203	6	5450
1961-62	0	0	36	250	553	976	1042	940	729	400	122	6	5054
1962-63	0	4	113	266	652	1072	1130	1044	641	370	180	10	5502
1963-64	0	3	104	199	502	1128	982	962	669	467	91	-21	5128
1964-65	0	9	49	372	514	854							

STATION LOCATION

WILMINGTON, DELAWARE
GREATER WILMINGTON AIRPORT
1964

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above								Remarks
						Sea level	Ground							
							Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Telepsychrometer	Tipping bucket rain gage	Weighing rain gage	
<u>COOPERATIVE</u>														
Wilmington, Delaware 6th and King Streets	4- 1-94	7-12-16		39° 45'	75° 33'	86							35'	Ordinary thermometer exposed outside N window; Sept. '09 max. and min. in use, exposure of thermometers poor.
Porter Reservoir Wilmington, Delaware 1.9 miles NNE of P. O.	3- 1-12	Present		39° 46'	75° 33'	260		3'					3'	Home made shelter in use; C. R. shelter September 1936, good exposure over sod. Precipitation record began 7-12-12.
Wilmington, Delaware 10th and King Streets 1 block S of P. O.	7-12-16	10-31-58	1.9 mi. SSW	39° 45'	75° 33'	99							47'	Precipitation only most of time.
<u>AIRPORT STATION</u>														
Bellanca Field New Castle, Delaware 6.1 miles SSW Wilmington Post Office	4-20-31	6- ?-34		39° 40'	75° 36'									
DuPont Airport Wilmington Delaware 3 miles WNW Wilmington Post Office	4-27-42	12- 8-42	6.8 mi. N	39° 46'	75° 36'									
New Castle County Airport Tower, Wilmington, Delaware, 5.6 miles SW of Post Office	5-19-47	11- 6-47	5.6 mi. SSW	39° 40'	75° 36'		75							Airway Observation by County Tower employees.
New Castle County Airport, Admn. Bldg.	11- 7-47	12- 5-47	125 yds. SW	39° 40'	75° 36'	73	75	5	5				3	Wind instruments of previous location used.
New Castle County Airport, Terminal Bldg.	12- 5-47	7-16-56	150 ft. NE	39° 40'	75° 36'	73	34	5	5				4	Exposure of instruments good.
New Terminal Building New Castle County AP *	7-16-56	Present	7/8 mi. SE	39° 40'	75° 36'	78	20	5	5			5	4	Exposure of instruments excellent *Name changed to Greater Wilmington Airport, May 1961.

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