

# Local Climatological Data

Annual Summary With Comparative Data

1976

WILMINGTON, DELAWARE



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## Narrative Climatological Summary

Delaware is part of the Atlantic Coastal Plain consisting mainly of the 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 35 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, January, the normal daily average temperature is 32°. On the average, zero temperatures may be expected one year in four. Most of the winter precipitation falls as rain. Seasonal snowfall has been as little as 1 inch, and there has been a season with nearly 50 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° 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.

noaa

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION / ENVIRONMENTAL DATA SERVICE / NATIONAL CLIMATIC CENTER ASHEVILLE, N.C.

# Meteorological Data For The Current Year

Station: WILMINGTON, DELAWARE # 13781      GREATER WILMINGTON AIRPORT      Standard time used: EASTERN      Latitude: 39° 40' N      Longitude: 75° 36' W      Elevation (ground): 74 feet      Year: 1976

Month	Temperature °F						Degree days Base 65 °F		Precipitation in inches						Relative humidity, pct.				Wind						Number of days										Average station pressure mb Elev. 80 feet m.s.l.				
	Averages			Extremes			Heating	Cooling	Water equivalent			Snow, ice pellets			Hour 01	Hour 07	Hour 13	Hour 19	Resultant		Fastest mile		Percent of possible sunshine	Average sky cover, tenths, sunrise to sunset	Sunrise to sunset			Temperature °F											
	Daily maximum	Daily minimum	Monthly	Highest	Date	Lowest			Date	Total	Greatest in 24 hrs.	Date	Total	Greatest in 24 hrs.					Date	Direction	Speed m.p.h.	Direction			Date	Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, ice pellets 1.0 inch or more	Thunderstorms	Heavy fog, visibility 1/2 mile or less	90° and above	32° and below		32° and below	0° and below		
JAN	35.8	19.5	27.7	59	26	3	19	1149	0	4.21	1.53	26-27	4.5	1.4	11	73	72	60	67	30	4.7	10.2	30	29	14	6.0	11	5	15	12	3	0	3	0	8	28	0	1016.6	
FEB	51.8	30.5	41.2	70	17	9	2	681	0	1.70	0.64	1-2	1.7	1.3	2	67	69	49	57	27	4.6	10.4	40	31	2	6.2	8	8	13	8	1	2	0	0	3	17	0	1013.9	
MAR	56.2	36.7	46.5	79	21	20	18	567	0	2.25	0.66	9-10	6.7	6.1	9-10	63	67	50	57	26	2.2	11.2	38	31	21	6.9	6	5	20	12	1	1	1	0	0	9	0	1015.2	
APR	66.3	43.0	54.7	89	17	27	12	341	37	1.40	0.49	1	T	T	2	61	67	41	47	30	4.8	10.2	29	33	11	4.6	12	10	8	7	0	4	0	0	3	0	0	1012.9	
MAY	69.7	50.0	59.9	80	21	37	4	178	25	5.05	2.29	1	0.0	0.0	0	77	78	54	63	25	3.7	10.0	28	25	7	6.7	6	9	16	13	0	5	0	0	0	0	0	1012.2	
JUN	81.9	62.8	72.4	92	28	46	6	31	260	2.14	1.33	1-2	0.0	0.0	0	81	79	54	62	21	4.1	9.5	22	19	30	6.3	8	6	16	7	0	6	0	0	0	0	0	1014.6	
JUL	83.2	65.2	74.2	91	28	54	26	0	291	4.33	1.65	11	0.0	0.0	0	78	78	53	62	28	4.2	8.1	24	31	12	6.6	7	9	15	14	0	7	1	0	0	0	0	1011.2	
AUG	83.3	64.0	73.7	92	22	50	31	4	278	2.00	1.03	9-10	0.0	0.0	0	80	79	53	64	29	2.4	7.6	21	30	13	4.6	13	10	8	8	0	5	4	0	0	0	0	1015.9	
SEP	77.3	56.4	66.9	90	13	43	23	44	106	2.11	1.06	30	0.0	0.0	0	81	84	53	66	28	2.7	7.7	18	06	30	4.6	10	8	12	10	0	0	0	2	0	0	0	0	1013.5
OCT	61.3	43.7	52.5	77	9	24	28	387	6	6.12	1.82	20	0.0	0.0	0	80	80	57	68	31	2.9	9.9	32	20	9	6.1	11	4	16	13	0	0	0	0	0	6	0	0	1014.2
NOV	50.0	30.7	40.4	64	26	15	30	734	0	0.49	0.39	28-29	0.1	0.1	29	70	75	49	59	28	6.9	9.3	25	32	8	5.3	9	12	9	7	0	0	0	1	20	0	0	1012.5	
DEC	39.2	22.7	31.0	55	7	8	30	1047	0	1.79	1.13	6-7	3.2	2.4	25-26	73	75	54	64	28	5.8	10.1	33	30	21	5.8	12	5	14	9	1	0	0	6	28	0	0	1013.2	
YEAR	63.0	43.8	53.4	92	AUG 22	3	JAN 19	5163	1003	33.59	2.29	1	16.2	6.1	9-10	74	75	52	61	28	3.7	9.5	40	31	2	5.9	113	91	162	120	6	30	17	11	18	111	0	1013.8	

## Normals, Means, And Extremes

Month	Temperatures °F						Normal Degree days Base 65 °F		Precipitation in inches						Relative humidity pct.				Wind						Mean number of days										Average station pressure mb Elev. 80 feet m.s.l.									
	Normal			Extremes			Heating	Cooling	Water equivalent			Snow, ice pellets			Hour 01	Hour 07	Hour 13	Hour 19	Mean speed m.p.h.	Prevailing direction	Fastest mile		Pct. of possible sunshine	Mean sky cover, tenths, sunrise to sunset	Sunrise to sunset			Temperatures °F																
	Daily maximum	Daily minimum	Monthly	Record highest	Year	Record lowest			Year	Normal	Maximum monthly	Year	Minimum monthly	Year							Maximum in 24 hrs.	Year			Maximum monthly	Year	Maximum in 24 hrs.	Year	Speed m.p.h.	Direction	Year	Clear	Partly cloudy	Cloudy		Precipitation .01 inch or more	Snow, ice pellets 1.0 inch or more	Thunderstorms	Heavy fog, visibility 1/2 mile or less	90° and above	32° and below	32° and below	0° and below	
(a)				29	Year	29				29		29		29		29	29	29	29	28	16	28	28			29	29	29	29	29	29	29	29	29	29	29	29	29	4					
J	40.2	23.8	32.0	75	1950	-4	1957	1023	0	2.85	5.55	1949	0.59	1.55	1.61	1968	17.2	1966	11.2	1966	74	75	60	69	9.7	WNW	46	29	1957	6.6	7	7	17	11	2	*	5	0	7	25	*	1016.9		
F	42.2	24.9	33.6	74	1954	-4	1961	879	0	2.75	6.29	1971	1.52	1.68	2.29	1966	18.7	1967	9.9	1967	72	74	58	66	10.5	NW	46	29	1956	6.4	7	7	14	10	2	*	4	0	4	22	*	1014.7		
M	51.1	32.0	41.6	86	1948	9	1960	725	0	3.74	5.72	1953	0.81	1.66	2.75	1958	20.3	1958	15.6	1958	72	74	53	62	11.2	NW	43	29	1971	6.5	7	9	15	11	1	1	3	0	1	16	0	1013.4		
A	63.0	41.5	52.3	91	1974	22	1965	381	0	3.20	6.57	1973	1.12	1.63	2.56	1961	1.1	1959	1.1	1959	73	73	50	60	10.5	NW	45	29	1963	6.4	7	9	14	11	*	1	0	0	3	0	0	1012.1		
M	73.1	51.6	62.4	95	1962	32	1966	128	48	3.35	7.35	1948	0.22	1.64	2.35	1968	T	1963	T	1963	79	76	54	64	9.0	S	45	27	1957	6.6	6	11	14	12	0	0	0	0	0	0	0	1011.5		
J	81.6	61.1	71.4	99	1952	41	1972	0	196	3.24	7.49	1972	0.44	1.54	4.35	1972	0.0	0.0	0.0	0.0	83	79	54	66	8.4	S	40	23	1960	6.0	7	11	12	9	0	6	2	4	0	0	0	0	1013.2	
J	85.5	66.1	75.8	102	1966	50	1952	0	395	4.31	7.51	1938	0.16	1.55	6.24	1952	0.0	0.0	0.0	0.0	83	80	54	66	7.7	NW	48	27	1963	6.1	7	12	12	9	0	6	2	7	0	0	0	0	1012.4	
A	83.9	64.3	74.1	101	1955	46	1965	0	282	3.98	12.09	1955	0.23	1.72	4.11	1971	0.0	0.0	0.0	0.0	85	83	56	70	7.4	S	46	35	1971	5.8	9	10	12	9	0	6	3	5	0	0	0	0	1015.0	
S	78.2	57.6	67.9	100	1953	36	1974	32	119	3.42	9.33	1960	0.82	1.70	5.62	1960	0.0	0.0	0.0	0.0	85	85	55	72	7.8	S	50	07	1956	5.7	10	8	12	8	0	0	0	2	0	0	0	0	0	1015.2
O	67.8	46.5	57.2	91	1951	24	1976	254	12	2.60	6.41	1971	0.21	1.63	3.88	1966	0.3	1962	0.3	1962	83	84	53	71	8.2	NW	58	20	1954	5.4	11	8	12	7	0	1	4	*	0	2	0	0	0	1016.8
N	55.2	36.2	45.7	85	1950	14	1955	579	0	3.49	7.84	1972	0.49	1.76	3.83	1956	11.9	1953	11.9	1953	77	80	56	69	9.1	NW	46	16	1950	6.2	8	9	13	9	*	1	0	*	11	0	0	0	1014.7	
D	43.0	26.3	34.7	72	1966	3	1962	939	0	3.32	7.90	1969	0.19	1.55	2.22	1969	21.5	1966	12.4	1966	75	77	60	70	9.4	WNW	44	29	1962	6.5	8	7	16	10	1	*	4	0	4	23	0	0	0	1015.2
YEAR	63.7	44.3	54.0	102	JUL 1966	-4	FEB 1961	4940	992	40.25	12.09	1955	0.16	1.55	6.24	JUL 1952	21.5	DEC 1966	12.4	MAR 1958	78	78	55	67	9.1	NW	58	20	1954	6.2	94	108	163	116	6	31	39	19	16	102	*	1014.3		

Means and extremes above are from existing and comparable exposures. Annual extremes have been exceeded at other sites in the locality 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, through the current year unless otherwise noted, based on January data.
  - (b) 70° and above at Alaskan stations. \* Less than one half. T Trace.
- NORMALS - Based on record for the 1941-1970 period.  
 DATE OF AN EXTREME - The most recent in cases of multiple occurrence.  
 PREVAILING WIND DIRECTION - Record through 1963.  
 WIND DIRECTION - Numerals indicate tens of degrees clockwise from true north. 00 indicates calm.  
 FASTEST MILE WIND - Speed is fastest observed 1-minute value when the direction is in tens of degrees.

### Average Temperature

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1937	41.0	35.2	37.6	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	41.0	54.1	69.9	70.4	75.9	76.8	66.0	57.6	47.8	35.8	54.9
1939	32.9	36.0	42.2	50.2	64.9	72.4	74.6	75.0	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	35.6	56.3	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	72.6	67.9	57.4	46.2	31.3	54.0
1943	31.9	34.8	42.6	47.4	63.4	75.4	75.0	72.6	67.0	56.5	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	59.2	45.6	35.8	54.2
1945	26.1	33.4	31.6	35.4	60.2	71.0	74.2	71.6	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	69.6	68.4	59.1	47.8	37.4	54.5
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	70.6	75.7	73.6	66.8	54.2	49.4	36.3	53.2
1949	39.2	38.6	43.2	52.0	62.9	72.9	78.7	75.1	64.2	50.4	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	41.3	51.6	61.9	70.4	75.3	67.0	59.1	41.5	37.6	34.1	54.6
1952	37.0	37.0	40.5	54.6	61.0	73.4	78.4	74.3	67.4	52.4	45.5	37.4	55.0
1953	37.4	38.4	44.4	52.3	63.0	72.2	77.0	74.5	68.2	58.0	45.2	38.7	56.0
1954	31.3	40.4	41.5	55.6	60.6	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	59.1	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	56.8	45.2	41.3	53.7
1957	28.4	37.4	42.2	54.1	62.9	74.2	75.9	73.2	68.7	53.3	46.6	37.9	54.6
1958	30.8	27.3	39.0	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	56.4	60.6	71.0	73.1	74.9	68.0	55.3	45.9	28.4	53.1
1961	25.4	34.7	42.6	48.9	58.9	70.5	75.6	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	75.6	72.9	69.7	59.7	42.5	30.3	52.5
1963	29.0	32.6	42.1	52.4	64.3	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
1965	29.9	33.6	38.4	49.3	64.0	70.2	74.5	73.3	69.4	53.6	45.0	37.7	53.3
1966	29.3	31.9	42.9	47.9	60.3	72.5	77.2	74.8	65.3	53.6	46.6	34.8	53.1
1967	36.2	29.4	39.4	51.5	55.4	71.2	74.4	72.8	65.1	54.7	40.7	36.8	52.3
1968	28.0	30.5	44.8	51.1	59.6	71.2	76.7	77.1	69.7	59.7	47.0	38.2	54.2
1969	30.8	33.6	39.6	51.6	64.2	75.4	78.6	75.6	68.2	56.0	44.6	32.7	54.1
1970	24.5	33.5	38.9	51.9	64.8	71.7	76.6	76.7	72.1	60.4	48.5	35.9	54.6
1971	27.4	35.5	40.7	51.1	60.4	73.6	75.9	74.0	71.1	62.9	45.7	42.1	55.0
1972	36.1	32.6	41.3	50.0	62.5	68.6	76.9	75.5	69.6	53.5	45.2	41.6	54.4
1973	35.6	35.5	49.4	54.7	61.4	75.8	78.1	78.1	70.4	59.9	49.1	37.7	57.2
1974	36.2	33.1	44.3	53.2	62.4	70.4	76.7	76.1	66.5	53.2	46.6	38.9	55.2
1975	37.5	35.9	40.6	47.3	59.2	71.5	75.7	76.3	65.4	60.0	51.0	36.2	55.2
1976	27.7	41.2	46.5	54.7	59.9	72.4	74.2	73.7	66.9	32.5	40.4	21.0	33.4
RECORD													
MEAN	32.6	33.2	42.0	52.9	62.6	71.4	76.0	74.1	67.9	56.7	45.6	35.1	54.2
MAX	40.4	41.5	51.4	62.7	73.3	81.8	85.6	83.6	77.6	66.6	54.3	42.8	63.5
MIN	24.8	24.9	32.6	41.6	51.9	61.0	66.3	64.8	58.1	46.8	36.9	27.4	44.8

### Heating Degree Days

WILMINGTON, DE

Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
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	563	1123	1051	890	734	323	103	22	5174
1959-60	0	0	44	256	603	831	920	840	994	279	144	2	4913
1960-61	0	0	18	297	545	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	672	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	1108	873	816	467	63	27	5152
1965-66	0	12	40	349	593	839	1103	921	676	507	186	24	5250
1966-67	0	0	84	346	545	931	888	991	788	402	295	5	5275
1967-68	0	0	80	327	722	866	1139	994	628	319	171	6	5250
1968-69	0	0	7	203	532	949	1052	874	780	298	92	1	4790
1969-70	0	0	41	288	606	993	1250	876	803	389	95	1	5342
1970-71	0	0	25	175	487	855	1159	821	748	411	153	3	4875
1971-72	0	2	23	93	582	702	889	935	732	443	105	27	4536
1972-73	0	0	20	356	586	716	902	820	477	322	143	0	4342
1973-74	0	0	15	179	469	839	886	887	635	300	137	7	4354
1974-75	0	0	65	362	553	805	847	808	753	520	84	5	4802
1975-76	0	0	56	177	418	888	1149	681	567	341	178	31	4486
1976-77	0	4	44	387	734	1047							

### Cooling Degree Days

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
1969	0	0	0	0	8	73	258	336	330	143	14	0	1162
1970	0	0	0	2	97	211	365	371	244	38	0	0	1328
1971	0	0	0	0	16	261	345	287	214	34	16	0	1173
1972	0	0	2	0	35	143	376	334	163	8	0	0	1063
1973	0	0	0	19	42	332	416	413	183	29	0	0	1434
1974	0	0	0	24	64	175	370	355	113	2	6	0	1109
1975	0	0	0	0	97	207	337	358	72	27	5	0	1101
1976	0	0	0	37	25	260	291	278	104	6	0	0	1003

### Precipitation

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1937	6.36	2.30	2.09	4.41	2.37	5.48	2.58	6.57	2.69	3.29	3.19	1.98	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	4.03	5.59	1.67	6.78	0.87	5.68	0.72	1.90	43.35
1940	1.51	2.87	5.64	6.47	4.88	2.04	1.87	3.33	2.99	2.67	4.58	2.82	43.47
1941	2.17	1.88	1.99	2.49	1.42	3.61	5.66	3.21	0.73	1.94	2.91	3.78	33.20
1942	2.89	2.67	3.60	1.12	2.48	2.41	9.05	9.54	2.14	3.98	3.08	3.37	49.34
1943	2.73	1.88	2.74	3.86	6.18	4.08	3.87	1.12	0.45	6.20	3.54	1.45	37.79
1944	2.39	2.00	6.02	5.20	2.31	5.04	1.31	3.53	6.58	2.14	4.60	3.35	45.49
1945	4.27	3.15	2.73	6.32	5.17	4.80	9.94	10.67	4.41	1.85	5.70	4.04	61.05
1946	1.76	1.95	3.29	1.88	7.12	6.42	4.76	5.26	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	2.21	2.19	2.23	1.11	1.80	44.92
1948	4.05	2.66	3.07	3.07	7.25	7.25	1.19	4.58	1.87	1.25	4.82	5.25	45.06
1949	3.25	4.18	2.69	2.69	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	3.22	2.45	4.33	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	3.25	5.57	4.61	2.52	7.40	2.04	3.12	0.46	5.40	3.61	48.95
1953	5.14	2.69	3.72	4.78	5.39	6.52	3.21	1.89	3.84	6.87	2.19	4.15	45.15
1954	1.71	1.82	4.03	2.88	2.38	6.44	5.23	5.82	3.39	2.08	4.14	3.14	38.72
1955	0.39	2.93	4.88	2.53	1.18	6.34	0.14	12.09	2.27	2.62	1.36	0.19	27.14
1956	2.61	4.21	5.16	2.80	2.12	3.58	7.39	3.58	2.77				

# STATION LOCATION

WILMINGTON, DELAWARE

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above										Remarks
						Sea level	Ground								Sea level	
							Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Telepsychrometer	Tipping bucket rain gage	Weighing rain gage	8" 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 1938, 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</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'	b74	20	s5	s5			5	4	a4	Exposure of instruments excellent. * Name changed to Greater Wilmington Airport in May 1961. a - Commissioned 1,000 feet from thermometer site 4-11-67. b - 78 feet to 4-11-67. s - Standby after 4-11-67.	

Requests for additional climatic information should be addressed to: Director, National Climatic Center, Federal Building, Asheville, N. C. 28801

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