

Local Climatological Data

Annual Summary With Comparative Data

1982



WILMINGTON, DELAWARE

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.

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NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE,
DATA, AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA 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: 1982								
Month	Temperature °F							Degree days Base 65 °F		Precipitation in inches						Relative humidity, pct.				Wind						Percent of possible sunshine	Average sky cover, tenths, sunrise to sunset	Number of days							Average station pressure mb				
	Averages			Extremes						Water equivalent			Snow, Ice pellets			Hour				Resultant		Fastest mile						Sunrise to sunset		Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog, visibility ½ mile or less.	Temperature °F					
	Daily maximum	Daily minimum	Monthly	Highest	Date	Lowest	Date	Heating	Cooling	Total	Greatest in 24 hrs.	Date	Total	Greatest in 24 hrs.	Date	Hour 01	Hour 07	Hour 13	Hour 19	Direction	Speed m.p.h.	Average speed m.p.h.	Speed m.p.h.	Direction	Date			Clear	Partly cloudy					Cloudy		(b)	Maximum	Minimum	Elev. feet m.s.l.
	(Local time)	Direction	Speed m.p.h.	Average speed m.p.h.	Speed m.p.h.	Direction	Date	01	07	13	19	Direction	Speed m.p.h.	Average speed m.p.h.	Speed m.p.h.	Direction	Date	01	07	13	19	Direction	Speed m.p.h.	Average speed m.p.h.	Speed m.p.h.			Direction	Date					Clear		Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more
JAN	32.5	15.8	24.2	57	4	-10	17	1259	0	3.75	1.62	3-4	14.4	5.3	13	68	70	60	64	30	5.3	11.4	33	27	5	6.6	9	6	16	12	4	0	4	0	14	27	3	1015.9	
FEB	42.5	25.9	34.2	62	16	15	26	855	0	2.71	1.36	2-3	4.5	2.4	9	74	73	55	64	35	4.4	10.2	25	06	17	7.3	5	5	18	10	2	0	4	0	0	23	0	1019.6	
MAR	51.2	32.4	41.8	64	31	20	28	715	0	2.87	1.05	7	0.4	0.2	7	71	73	52	64	29	2.8	10.5	28	30	26	6.4	7	11	13	12	0	1	4	0	0	15	0	1016.6	
APR	62.5	38.7	50.6	81	17	18	7	426	2	5.41	1.23	3	2.6	1.5	9	63	65	44	50	28	5.2	12.5	39	29	4	4.6	13	8	9	9	2	2	1	0	0	8	0	1014.2	
MAY	75.8	54.2	65.0	86	31	44	11	69	75	3.72	2.16	28-29	0.0	0.0	0	77	76	51	62	02	0.8	8.5	21	35	12	6.0	8	11	12	12	0	7	6	0	0	0	0	1014.2	
JUN	78.9	60.8	69.9	90	16	54	24	12	163	4.70	2.45	12-13	0.0	0.0	0	86	82	61	70	30	1.0	8.6	20	30	20	6.8	7	9	14	16	0	5	1	0	0	0	0	1010.5	
JUL	86.9	67.7	77.3	95	19	56	2	0	391	2.70	1.23	23	0.0	0.0	0	85	81	57	69	24	2.3	7.5	23	32	19	5.0	13	10	8	9	0	4	0	13	0	0	0	1013.5	
AUG	82.5	61.5	72.0	90	5	43	29	14	238	4.68	2.37	17	0.0	0.0	0	85	85	57	67	27	2.5	7.9	29	28	17	5.2	13	8	10	7	0	4	1	2	0	0	0	1014.6	
SEP	76.9	57.8	67.4	88	2	46	24	29	107	2.30	1.04	26-27	0.0	0.0	0	88	89	59	73	36	0.7	7.9	23	16	27	6.0	8	11	11	7	0	1	2	0	0	0	0	1015.6	
OCT	66.9	45.1	56.0	83	8	28	18	305	32	1.97	1.52	25-26	0.0	0.0	0	85	87	54	73	32	2.2	8.6	26	03	25	5.7	7	15	9	6	0	0	0	3	0	0	0	1017.6	
NOV	57.7	37.2	47.5	79	2	19	28	519	1	3.87	1.43	4-5	1	1	28	83	87	57	71	28	2.1	9.2	30	31	13	6.5	5	10	15	8	0	4	0	0	0	0	13	0	1020.3
DEC	50.1	32.5	41.3	72	5	9	13	724	0	2.39	0.91	15-16	5.8	5.2	12	80	83	66	74	29	2.5	9.0	29	35	9	7.1	6	6	19	11	1	7	0	0	2	14	0	1019.6	
YEAR	63.7	44.1	53.9	95	JUL 19	-10	JAN 17	4927	1009	41.07	2.45	12-13	27.9	5.3	13	79	79	56	67	30	2.3	9.3	39	29	4	6.1	101	110	154	119	9	25	37	16	16	103	3	1016.0	

Normals, Means, And Extremes

Month	Temperatures °F						Normal Degree days Base 65 °F		Precipitation in inches										Relative humidity pct.				Wind				Pct. of possible sunshine	Mean sky cover, tenths, sunrise to sunset	Mean number of days										Average station pressure mb.				
	Normal			Extremes					Water equivalent						Snow, Ice pellets				Hour				Fastest mile						Sunrise to sunset		Precipitation		Snow, Ice pellets		Thunderstorms		Heavy fog, visibility		Temperatures °F		Elev. feet m.s.l.		
	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	Hour 01	Hour 07	Hour 13	Hour 19	Mean speed m.p.h.	Prevailing direction	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 ¼ mile or less	90° and above	32° and below	32° and below	0° and below			
	(a)			35		35									35		35		35	35	35	35	34	16	34	34				35	35	35	35	35	35	35	35	35	35	35		35	35
J	40.2	23.8	32.0	75	1950	-10	1982	1023	0	2.85	8.41	1978	0.52	1981	2.12	1978	17.2	1966	11.2	1966	73	74	60	68	10.0	WNW	46	29	1957	6.6	7	7	17	11	2	4	0	8	26	4	1015.1		
F	42.2	24.9	33.6	74	1954	-6	1979	879	0	2.75	7.02	1979	0.83	1980	2.29	1966	27.5	1979	16.5	1979	72	74	57	65	10.5	NW	46	29	1956	6.4	7	7	14	9	2	4	0	5	22	4	1015.7		
M	51.1	32.0	41.6	86	1948	6	1980	725	0	3.74	6.22	1980	0.81	1966	3.11	1978	20.3	1958	15.6	1958	71	73	53	62	11.2	WNW	43	29	1971	6.4	8	8	15	11	1	1	3	0	1	16	0	1013.7	
A	63.0	41.5	52.3	91	1974	18	1982	381	0	3.20	6.57	1973	1.12	1963	2.56	1961	2.6	1982	1.9	1982	72	72	49	59	10.6	WNW	45	29	1963	6.3	7	9	14	11	4	2	0	0	3	0	1012.9		
M	73.1	51.6	62.4	95	1962	30	1978	128	43	3.35	7.35	1948	0.22	1964	2.35	1968	1	1963	1	1963	79	76	53	64	9.0	S	45	29	1957	6.5	6	10	15	12	0	4	0	0	4	0	0	1012.1	
J	81.6	61.1	71.4	99	1952	41	1972	0	192	3.24	7.49	1972	0.44	1954	4.35	1972	0.0	0	0.0	0	82	78	54	65	8.5	S	40	23	1960	6.0	7	11	12	10	0	6	2	4	0	0	0	1012.7	
J	85.5	66.1	75.8	102	1966	50	1979	0	341	4.31	7.51	1958	0.16	1955	6.24	1952	0.0	0	0.0	0	83	74	54	66	7.8	NW	48	27	1963	6.0	8	11	12	9	0	6	2	8	0	0	0	1013.0	
A	83.9	64.3	74.1	101	1955	43	1982	0	304	3.98	12.09	1955	0.25	1972	4.11	1971	0.0	0	0.0	0	84	83	56	70	7.5	S	46	35	1971	5.8	9	10	12	9	0	6	3	5	0	0	0	1014.7	
S	78.2	57.6	67.9	100	1953	36	1974	32	123	3.42	9.53	1960	0.82	1970	5.62	1960	0.0	0	0.0	0	84	85	55	71	7.9	S	40	07	1956	5.7	10	8	12	8	0	0	2	3	2	0	0	0	1015.0
O	67.8	46.5	57.2	91	1951	24	1976	254	12	2.60	6.41	1971	0.21	1963	3.88	1966	2.5	1979	2.5	1979	82	84	54	70	8.3	NW	58	20	1954	5.4	11	8	12	8	4	1	4	0	0	2	0	1016.0	
N	55.2	36.2	45.7	85	1950	14	1955	579	0	3.49	7.84	1972	0.49	1976	3.83	1956	11.9	1953	11.9	1953	77	80	56	69	9.2	NW	46	16	1950	6.3	8	8	14	9	4	1	4	0	0	11	0	1016.2	
D	43.0	26.3	34.7	72	1982	2	1980	939	0	3.32	7.90	1969	0.19	1955	2.22	1969	21.5	1966	12.4	1966	75	76	60	69	9.5	WNW	44	29	1962	6.5	8	7	16	10	1	4	0	4	22	0	1015.9		
YR	63.7	44.3	54.0	102	JUL 1966	-10	JAN 1982	4940	1015	40.25	12.09	AUG 1955	0.16	JUL 1955	6.24	JUL 1952	27.5	FEB 1979	16.5	FEB 1979	78	78	55	66	9.2	NW	58	20	OCT 1954	6.2	96	104	165	117	6	31	37	19	17	102	1	1014.4	

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 snowfall in 24 hours 22.0 in December 1909.

(a) Length of record, years, through the

Average Temperature

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
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	71.6	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	36.6	45.2	52.0	62.9	72.9	78.7	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	31.4	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	64.7	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	56.8	45.2	41.3	53.7
1957	28.6	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	44.8	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	25.6	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	72.6	72.9	63.6	56.7	42.5	30.3	52.5
1963	26.4	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
1965	29.0	33.6	38.4	49.3	66.0	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	71.1	74.4	72.8	65.1	54.7	40.7	36.8	52.3
1968	28.0	30.5	44.6	54.3	69.6	71.4	76.7	77.1	69.7	59.0	47.0	39.2	53.3
1969	30.8	33.6	39.6	55.1	64.2	73.4	75.7	75.4	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	73.4	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	75.1	70.4	59.1	37.7	37.2	57.2
1974	36.2	31.1	44.6	55.3	62.4	70.4	76.1	76.1	66.5	53.2	46.6	39.9	54.0
1975	37.5	35.9	40.6	47.5	65.2	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	52.5	40.4	31.0	53.4
1977	20.8	33.3	47.2	54.4	63.9	69.9	76.4	75.4	69.3	53.4	46.6	33.4	53.6
1978	27.2	22.8	37.6	50.3	60.3	70.6	73.4	77.1	66.7	54.1	46.8	37.2	52.0
1979	31.4	22.1	45.4	50.6	63.8	67.9	75.3	75.0	68.2	50.9	49.6	38.1	53.5
1980	32.4	29.9	40.0	54.6	64.9	69.9	77.7	78.2	71.3	54.8	43.3	33.1	54.1
1981	25.4	37.9	40.2	55.0	62.5	72.3	77.1	73.5	66.9	53.0	45.3	34.2	53.6
1982	24.2	34.2	41.8	50.6	65.0	69.9	77.3	72.0	67.4	56.0	47.5	41.3	53.9
RECORD													
MEAN	32.2	33.0	42.0	52.2	62.7	71.5	76.0	74.2	67.9	56.6	45.7	35.2	54.1
MAX	40.0	41.3	51.4	62.7	73.3	81.5	85.6	83.7	77.6	66.5	54.4	42.9	63.4
MIN	24.4	24.7	32.6	41.6	52.0	61.0	66.3	64.7	58.1	46.6	36.9	27.5	44.7

Precipitation

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1943	2.73	1.88	2.76	3.56	6.18	4.05	3.87	1.12	0.45	6.20	3.54	1.45	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	3.29	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	44.92
1948	4.05	2.66	3.76	3.07	7.35	5.25	1.15	4.58	1.87	1.25	4.02	5.25	45.06
1949	5.55	4.18	3.00	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	3.32	2.45	4.55	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	5.67	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	3.29	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	2.16	3.45	1.33	2.61	5.55	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	2.37	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	2.64	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	1.12	1.23	1.65	4.03	3.50	1.21	6.87	1.65	3.22	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
1965	2.38	2.17	3.20	1.74	1.61	1.62	3.84	2.04	2.41	1.59	0.94	1.54	24.90
1966	2.82	4.90	0.81	3.16	3.35	0.70	3.09	1.42	8.53	5.17	1.75	3.81	39.51
1967	1.67	1.90	5.45	2.69	3.79	3.01	4.45	11.16	1.16	2.05	2.08	5.24	44.65
1968	2.29	1.52	4.75	1.57	4.78	2.81	1.83	1.17	1.50	3.28	3.92	2.33	31.75
1969	1.68	1.76	1.71	1.58	3.21	3.62	6.48	2.34	6.84	1.47	1.79	7.40	40.38
1970	1.00	2.13	3.61	5.56	0.94	6.16	6.03	2.31	0.82	2.64	4.09	3.02	38.31
1971	2.22	6.29	2.29	2.15	4.51	2.50	3.65	6.38	6.99	6.41	5.52	1.33	52.24
1972	2.50	5.43	2.40	4.47	3.85	7.49	2.07	0.25	1.64	4.20	7.84	5.99	48.13
1973	3.81	3.42	4.02	6.57	5.56	5.19	2.82	2.44	3.02	2.22	0.67	7.31	47.05
1974	2.92	1.73	4.56	3.08	3.96	3.97	1.49	5.11	5.65	1.77	1.19	4.18	39.61
1975	4.23	2.95	4.63	3.03	5.65	6.16	5.53	2.55	6.19	3.06	2.63	3.00	49.61
1976	4.21	1.70	2.25	1.40	5.05	2.14	4.33	2.00	2.11	6.12	0.49	1.79	33.59
1977	2.18	1.09	4.55	3.91	0.96	4.41	1.38	4.82	1.29	3.59	6.14	5.81	40.13
1978	8.41	1.77	5.59	1.16	6.94	3.00	5.53	5.97	2.18	1.48	2.69	5.56	51.28
1979	7.61	7.02	2.61	4.03	3.10	4.01	4.76	6.11	5.94	3.45	3.23	1.44	53.31
1980	2.44	0.83	6.22	4.55	2.40	4.23	3.49	1.09	1.44	3.99	2.41	0.83	33.92
1981	0.52	3.23	1.26	3.54	5.05	4.50	2.57	3.38	3.82	2.84	0.67	3.95	35.28
1982	3.75	2.71	2.87	5.41	3.72	4.70	2.70	4.68	2.30	1.97	3.87	2.39	41.07
RECORD													
MEAN	3.34	3.10	3.70	3.54	3.56	3.81	4.47	4.68	3.62	3.03	3.20	3.45	43.45

Heating Degree Days

Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
1962-63	0	4	113	266	672	1072	1130	1444	641	370	180	10	5502
1963-64	0	3	104	199	502	1128	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	94	346	545	931	888	991	788	402	295	5	5275
1967-68	0	0	80	327	722	865	1139	994	626	319	171	6	5250
1968-69	0	0	7	205	532	849	1052	874	680	298	92	1	4790
1969-70	0	0	41	288	606	993	1250	976	803	389	95	1	5342
1970-71	0	0	25	175	487	895	1159	921	746	411	153	3	4875
1971-72	0	2	23	93	585	702	869	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	94	5	4802
1975-76	0	0	56	177	416	888	1149	681	567	341	178	31	4486
1976-77	0	4	44	387	734	1047	1361	684	546	333	107	32	4479
1977-78	0	1	31	333	550	795	1165	1179	882	433	191	17	5737
1978-79	6	0	60	237	542	854	1037	1197	605	424	39	28	5179
1979-80	4	7	31	318	458	827	1004	1209	768	307	83	35	4851
1980-81	0	0	20	322	645	985	1222	752	763	299	135	4	5147
1981-82	0	0	57	370	583	947	1259	755	715	426	69	12	5295
1982-83	0	14	29	305	519	724							

STATION LOCATION

WILMINGTON, DELAWARE

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above									Automatic Observing Equipment *	Remarks
						Sea level	Ground									
							Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Sunshine Switch	Tipping bucket rain gage	Weighing rain gage	8" rain gage		
* Type M = AMOS T = AUTOB																
COOPERATIVE																
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.
AIRPORT																
Bellanca Field New Castle, Delaware 6.1 miles SSW Wilmington Post Office	4-20-31	6- 7-34		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	NA	NA	5	4	a4	NA	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.

SUBSCRIPTION:

Price and ordering information available through: National Climatic Data Center, Federal Building, Asheville, North Carolina 28801, ATTN: Publications.

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