

Local Climatological Data



MONTHLY SUMMARY

LATITUDE 39° 40' N LONGITUDE 75° 36' W ELEVATION (GROUND) 74 FT. STANDARD TIME USED: EASTERN WBAN #13781

JANUARY 1977 WILMINGTON, DELAWARE

DATE	TEMPERATURE °F						DEGREE DAYS BASE 65°		HEATHER TYPES ON DATES OF OCCURRENCE 1 FOG 2 HEAVY FOG 3 THUNDERSTORM 4 ICE PELLETS 5 HAIL 6 GLAZE 7 DUSTSTORM 8 SMOKE, HAZE 9 BLOWING SNOW	SNOW, ICE PELLETS OR ICE ON GROUND AT 07AM IN.	PRECIPITATION		AVG. STATION PRESSION IN. ELEV. BO M.S.L.	WIND				SUNSHINE		SKY COVER TENTHS		DATE			
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT		HEATING (SEASON BEGINS WITH JULY)	COOLING (SEASON BEGINS WITH JAN.)			WATER EQUIVA- LENT IN.	SNOW- ICE PELLETS IN.		RESULTANT DIR.	RESULTANT SPEED M.P.H.	AVERAGE SPEED M.P.H.	FASTEST MILE M.P.H.	DIRECTION	MINUTES	PERCENT OF POSSIBLE	SUNRISE TO SUNSET		MIDNIGHT TO MIDNIGHT		
1	27	12	20	-12	8	45	0	8	1	T	0	29.74	29	16.9	17.8	23	29		5	0	1	1			
2	33	17	25	-7	14	40	0		T	0	0	30.09	31	11.9	12.1	17	32		0	0	2	2			
3	31	15	23	-9	15	42	0		T	0	0	30.10	30	6.3	6.8	8	31		10	0	3	3			
4	39	22	31	-1	21	34	0		T	0	0	29.95	32	7.6	7.8	13	32		10	0	4	4			
5	32	17	25	-7	17	40	0		T	0	0	30.00	33	4.8	6.2	9	31		9	0	5	5			
6	34	15	25	-7	19	40	0		T	0	0	30.00	26	2.5	6.6	8	17		8	0	6	6			
7	35	17	26	-6	22	39	0	2	4	.37	5.0	29.59	31	9.9	13.4	28	32		6	0	7	7			
8	25	13	19	-13	8	46	0		5	0	0	29.96	30	11.1	11.9	17	31		8	0	8	8			
9	29	12	21	-11	16	44	0		4	.18	2.7	30.05	05	4.8	5.3	17	07		10	0	9	9			
10	22	20	21	-11	28	34	0	2	4	.06	.3	29.40	32	3.5	17.3	30	29		8	0	10	10			
11	24	14	19	-13	7	46	0		1	0	0	30.00	27	16.3	16.5	23	29		2	0	11	11			
12	25	11	18	-14	7	47	0		1	0	0	30.22	29	9.5	10.8	17	30		4	0	12	12			
13	23	7	15	-17	4	50	0		1	0	0	30.39	29	6.9	8.3	14	31		3	0	13	13			
14	31	21	26	-6	21	39	0	1	4	.53	3.5	29.91	14	4.7	7.6	10	05		10	10	14	14			
15	35	18	27	-5	24	38	0	1	6	0	0	29.72	32	6.4	7.3	12	35		3	0	15	15			
16	24	1	13	-19	12	52	0	2	8	.03	.6	29.75	31	11.6	12.1	25	31		10	7	16	16			
17	11	-3*	4*	-28	-10	61	0		3	0	0	29.66	29	13.8	14.2	21	29		0	0	17	17			
18	14	1	8	-24	-6	57	0		3	0	0	29.75	29	12.0	12.1	16	30		0	0	18	18			
19	24	4	14	-18	4	51	0		3	0	0	29.64	29	11.3	11.8	18	30		1	1	19	19			
20	29	17	23	-9	14	42	0		3	0	0	29.74	28	11.1	12.1	16	31		2	3	20	20			
21	28	13	21	-11	12	44	0		2	0	0	29.86	30	11.4	11.9	20	30		8	6	21	21			
22	25	12	19	-13	10	46	0		2	0	0	29.95	31	16.6	16.8	25	31		2	2	22	22			
23	27	12	20	-12	11	45	0		2	0	0	30.16	31	7.5	9.4	16	32		6	6	23	23			
24	33	10	22	-10	20	43	0		2	.12	1.6	29.98	18	4.5	4.9	13	16		10	10	24	24			
25	36	27	32*	0	25	33	0	1	8	.01	.1	29.60	30	5.7	5.8	15	31		9	9	25	25			
26	33	20	27	-5	16	38	0		3	0	0	29.56	25	7.0	9.2	17	26		3	3	26	26			
27	36	24	30	-2	12	35	0		3	0	0	29.50	27	10.3	11.9	21	30		2	2	27	27			
28	44*	7	26	-6	15	39	0	4		.08	.5	29.51	21	7.6	16.5	40	31		9	9	28	28			
29	19	1	10	-22	1	55	0		3	0	0	29.68	29	15.6	16.1	22	29		1	1	29	29			
30	23	9	16	-18	0	49	0		2	0	0	29.78	27	12.7	12.9	20	28		4	4	30	30			
31	26	9	18	-14	3	47	0		2	0	0	29.77	27	15.0	15.3	21	26		0	0	31	31			
SUM	SUM	SUM	SUM	SUM	SUM	TOTAL	TOTAL			TOTAL	TOTAL	FOR THE MONTH	DATE	DATE	TOTAL	FOR POSSIBLE MONTH	SUM	SUM							
897	395					1361	0		0	2.18	14.5	29.84	29	6.3	11.3	40	31	164	135						
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.					0.07								5.3	4.4						
28.9	12.7	20.8	-11.2	12	33.6					0															
NUMBER OF DAYS		SEASON TO DATE		SNOW, ICE PELLETS		PRECIPITATION		GREATEST IN 24 HOURS AND DATES		GREATEST DEPTH ON GROUND OF SNOW.															
MAXIMUM TEMP.		MINIMUM TEMP.		3577		0		THUNDERSTORMS 0		PRECIPITATION		SNOW, ICE PELLETS		ICE PELLETS OR ICE AND DATE											
≥ 90°		≤ 32°		≤ 0°		0		HEAVY FOG 3		1.04		9-10		5.0		7		7		10+					
0		20		31		1		750		0		CLEAR 12		PARTLY CLOUDY 7		CLOUDY 12									

* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.
 T TRACE AMOUNT
 + ALSO ON AN EARLIER DATE, OR DATES.
 HEAVY FOG: VISIBILITY 1/4 MILE OR LESS.
 FIGURES FOR WIND DIRECTIONS ARE TENS OF DEGREES CLOCKWISE FROM TRUE NORTH. 00 = CALM.
 DATA IN COLS. 6 AND 12-15 ARE BASED ON 7 OR MORE OBSERVATIONS PER DAY AT 3-HOUR INTERVALS.
 FASTEST MILE WIND SPEEDS ARE FASTEST OBSERVED ONE-MINUTE VALUES WHEN DIRECTIONS ARE IN TENS OF DEGREES. THE / WITH THE DIRECTION INDICATES PEAK GUST SPEED.
 ANY ERRORS DETECTED WILL BE CORRECTED AND CHANGES IN SUMMARY DATA WILL BE ANNOTATED IN THE ANNUAL SUMMARY

COLDEST JANUARY AND SECOND COLDEST MONTH 1894 TO DATE. OLD JANUARY RECORD 21.4 IN 1918. COLDEST MONTH IS FEB. 1934 WITH 20.2 AVERAGE.
 SNOWFALL WAS MORE THAN DOUBLE THE JANUARY AVERAGE.

SUMMARY BY HOURS

HOUR LOCAL TIME	SKY COVER TENTHS	AVERAGES						RESULTANT WIND SPEED M.P.H.	DIRECTION
		STATION PRESSURE IN.	TEMPERATURE			RELATIVE HUMIDITY %	WIND SPEED M.P.H.		
		AIR °F	WET BULB °F	DEW PT. °F					
01	3	29.85	18	17	10	71	10.7	29	7.7
04	4	29.85	18	16	10	71	9.3	29	6.8
07	4	29.86	17	16	10	74	9.1	29	7.0
10	5	29.87	23	20	12	65	11.2	30	8.5
13	6	29.82	27	24	14	59	13.8	29	10.8
16	5	29.81	27	24	14	57	13.6	29	10.3
19	4	29.84	23	21	12	64	11.2	29	7.1
22	3	29.85	20	18	11	68	11.3	30	8.1

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

HOUR	A. M. HOUR ENDING AT												P. M. HOUR ENDING AT												
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
1																									
2										T															
3																									
4																									
5										T															
6																									
7	.03	.03	.03	.03	.07	.06	.03	.03	.04	.02	T	T											T	T	
8																									
9																									
10	.06	T	.01	.07	.11	.16	.24	.13	.05	.02			T	T				.01	.04	.02	.06	.02	.03		
11																									
12																									
13																									
14													.02	.04	.03	.04	.04	.05	.06	.04	.05	.04	.03	.09	
15	T												.01	T	T										
16																									
17																									
18																									
19																									
20																									
21																									
22																									
23																									
24																									
25	T	.01	T	T	T	T												.03	.02	.02	.02	.01	.02		
26																									
27																									
28																									
29																					.08	T	T	T	T
30																									
31																									

