

# Local Climatological Data



## MONTHLY SUMMARY

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

DATE	TEMPERATURE °F.					DEGREE DAYS BASE 65°		WEATHER TYPES ON DATES OF OCCURRENCE	SNOW, ICE PELLETS OR ICE ON GROUND AT 07AM	PRECIPITATION		AVG. STATION PRESSURE IN. ELEV. 80 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	SNOW, ICE PELLETS		RESULTANT DIR.	RESULTANT SPEED M.P.H.	AVERAGE SPEED M.P.H.	FASTEST MILE SPEED M.P.H.	DIRECTION	MINUTES	PERCENT OF POSSIBLE	SUNRISE TO SUNSET		MIDNIGHT TO MIDNIGHT		
1	77	62	70	2	61	0	9	1 3	8	0	.48	0	29.74	18	7.6	9.5	15	22			10	10	1	
2	83	61	72	4	55	0	7	1	8	0	.06	0	29.69	26	5.5	5.9	15	28			9	9	2	
3	73	52	63	-5	43	0	0	0	0	0	T	0	29.81	32	10.8	10.9	17	35			3	3	3	
4	78	46	63	-5	42	0	0	0	0	0	0	0	30.03	28	7.2	8.5	15	30			1	1	4	
5	80	59	70	1	53	0	0	0	0	0	0	0	29.74	29	7.2	8.2	15	28			10	10	5	
6	64	53	59	-10	51	0	0	1	0	0	.15	0	29.47	05	4.4	7.8	14	35			10	10	6	
7	89	51	60	-9	42	0	0	0	0	0	0	0	29.51	11	12.8	12.8	18	31			10	10	7	
8	71	45*	58*	-12	35	0	0	0	0	0	0	0	29.71	27	9.8	11.1	17	25			3	3	8	
9	64	54	59	-11	53	6	6	1 3	0	0	1.63	0	29.64	18	9.5	11.4	17	28			10	10	9	
10	69	53	61	-8	47	4	4	1	0	0	.03	0	29.77	34	13.3	13.5	17	34			10	10	10	
11	78	54	66	-4	47	0	0	1	0	0	0	0	29.75	32	12.3	12.7	17	32			3	3	11	
12	81	52	67	-4	50	0	0	2	0	0	.01	0	29.78	30	6.1	7.1	12	24			6	6	12	
13	80	63	72	1	56	0	0	7	0	0	0	0	29.88	16	1.2	8.5	16	18			7	7	13	
14	76	59	68	-3	57	0	0	3 1	8	0	.11	0	30.07	20	2.0	5.8	10	19			8	8	9	
15	76	62	69	-2	60	0	0	4 1	8	0	.03	0	30.01	30	3.3	4.8	8	36			9	9	15	
16	81	61	71	-1	58	0	0	6 1	8	0	0	0	30.03	15	2.8	7.1	15	16			7	7	16	
17	78	62	70	-2	62	0	0	5 1 3	8	0	.10	0	29.86	17	7.8	8.9	17	18			9	9	17	
18	86	65	76	4	65	0	0	11 1	8	0	0	0	29.78	24	6.0	6.6	10	18			5	5	18	
19	86	71	79	7	61	0	0	14 1	8	0	0	0	29.71	28	9.1	9.8	18	29			5	5	19	
20	83	64	74	1	59	0	0	9	0	0	.02	0	29.72	24	6.8	9.8	20	22			8	8	20	
21	78	60	69	-4	53	0	0	4	0	0	0	0	29.78	31	10.2	10.4	18	31			3	3	21	
22	80	56	68	-5	47	0	0	3	0	0	0	0	29.97	29	8.3	8.8	14	28			6	6	22	
23	79	56	68	-5	51	0	0	3	0	0	0	0	30.07	15	3.8	8.1	15	18			7	7	23	
24	79	60	70	-3	57	0	0	5	0	0	0	0	30.01	18	9.1	10.1	17	18			4	4	24	
25	77	66	72	-2	63	0	0	7	0	0	.05	0	29.79	19	8.1	8.5	15	19			10	10	25	
26	86	63	75	1	60	0	0	10	8	0	.03	0	29.71	33	6.8	8.8	16	31			3	3	26	
27	85	61	73	-1	60	0	0	8	0	0	0	0	29.86	20	2.6	8.1	14	18			3	3	27	
28	86	67	77	3	66	0	0	12	3	0	1.71	0	29.81	17	8.3	9.2	14	34			3	3	28	
29	90*	70	80*	6	82	0	0	19	1	0	0	0	29.66	26	9.3	10.1	15	27			6	6	29	
30	85	65	75	0	56	0	0	15	0	0	0	0	29.85	24	8.2	10.4	18	27			4	4	30	
SUM	SUM	SUM	SUM	SUM	SUM	TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL	FOR THE MONTH:				TOTAL	X	SUM	SUM					
2358	1773					32	156	PRECIPITATION		4.41	0	28.82	27	4.0	9.1	20	22					190	190	
AVG.	AVG.	AVG.	AVG.	AVG.	AVG.	DEP.	DEP.	PRECIPITATION		DEP.						DATE: 20	POSSIBLE	MONTH	AVG.	AVG.				
78.6	59.1	68.9	-2.5	54		32	-40	>.01 INCH		13	1.17							6.3	6.3					
NUMBER OF DAYS		TOTAL		TOTAL		SEASON TO DATE		SNOW, ICE PELLETS > 1.0 INCH		GREATEST IN 24 HOURS AND DATES		GREATEST DEPTH ON GROUND OF SNOW, ICE PELLETS OR ICE AND DATE												
MAXIMUM TEMP.		MINIMUM TEMP.		THUNDERSTORMS		PRECIPITATION		SNOW, ICE PELLETS																
≥ 90°		≤ 32°		≥ 0°		HEAVY FOG																		
1		0		0		538		17		CLEAR 7		PARTLY CLOUDY 11		CLOUDY 12										

JUNE 1977 WILMINGTON, DELAWARE

### SUMMARY BY HOURS

\* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.  
 † 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

HOUR	LOCAL TIME	SKY COVER TENTHS	AVERAGES							RESULTANT WIND	
			STATION PRESSURE IN.	TEMPERATURE	RELATIVE HUMIDITY %	WIND SPEED M.P.H.	DIRECTION	SPEED M.P.H.	DIRECTION		
01	6	29.82	63	58	54	74	6.5	27	3.2		
04	8	29.81	61	57	53	76	5.7	28	4.1		
07	8	29.84	65	59	55	70	8.4	28	3.4		
10	8	29.84	72	62	55	56	10.3	27	3.6		
13	6	29.82	76	63	55	49	12.7	26	5.5		
16	7	29.79	77	63	54	48	12.3	25	5.5		
19	7	29.80	72	62	54	57	8.8	24	4.4		
22	6	29.82	65	60	55	69	7.0	27	3.2		

### HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

DATE	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									.15										.15		.11	.06	.01	
2	.01																		.02		.01	.01	T	
3		T	T	T																				
4																								
5																								
6																								
7							.01	.01	.04	T		.03	T		.03		T	T	T	T	T	T		
8																								
9		T	.02	.06	.06	.15	.18	.50	.05	.01	.04	.08	.14	T		T	.05	.07	.02	.12	.06	.01	T	
10																								
11																								
12																								
13																								
14																						.03	.07	.01
15		.01	T	.02	T	T	T																	
16																								
17																					.02	.08	T	
18																								
19																					.01	.01		
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21																								
22																								
23																								
24																								
25																								
26		.03											T	.02	.02	.01								
27																								
28								.03	.08	T									.46	.05	T	.11	.08	
29																								
30																								

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