

# Local Climatological Data



## MONTHLY SUMMARY

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

SEPTEMBER 1979 WILMINGTON, DELAWARE

DATE	TEMPERATURE °F					DEGREE BASE 65°	DAYS	WEATHER TYPES ON DATES OF OCCURRENCE	SNOW-ICE PELLETS OR ICE ON GROUND AT 07AM	PRECIPITATION		AVG. STATION PRESSURE IN.	WIND				SUNSHINE		SKY COVER TENTHS		
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT					HEATING (SEASON BEGINS WITH JULY)	COOLING (SEASON BEGINS WITH JAN.)		WATER EQUIVALENT IN.	SNOW-ICE PELLETS IN.	RESULTANT DIR.	RESULTANT SPEED M.P.H.	AVERAGE SPEED M.P.H.	FASTEST MILE M.P.H.	MINUTES	PERCENT OF POSSIBLE	SUNRISE TO SUNSET
1	84	69	77	5	66	0	12	1	8	0	0	30.07	11	5.7	8.2	14	17	6	7		
2	86	71	79	8	70	0	14	2	8	0	.07	29.94	17	6.8	8.3	22	18	8	8		
3	86	73	80	9	71	0	15	8	8	0	.02	29.87	21	5.8	6.2	9	26	10	10		
4	86	70	78	7	70	0	13	2	8	0	0	29.95	18	5.2	6.6	14	16	6	7		
5	82	73	78	7	72	0	13	1	8	0	1.49	29.92	11	11.3	11.9	26	13	10	10		
6	87*	72	80*	9	69	0	15	1	8	0	.47	29.52	22	12.0	16.4	29	16	8	7		
7	85	67	76	6	68	0	11	1	8	0	0	29.71	30	6.0	7.1	13	29	4	4		
8	75	61	68	-2	55	0	3			0	0	29.80	36	9.8	10.8	17	36	7	7		
9	75	56	66	-4	49	0	1			0	0	30.11	02	5.2	7.9	14	04	3	3		
10	77	54	66	-4	54	0	1			0	0	30.06	22	5.8	6.2	13	24	3	3		
11	80	59	70	1	59	0	5	1	8	0	0	30.02	34	3.7	5.8	12	01	8	8		
12	78	55	67	-2	53	0	2			0	0	30.12	09	2.9	6.6	13	07	0	0		
13	78	57	68	-1	60	0	3	1	8	0	T	30.07	12	5.3	8.3	15	20	7	7		
14	85	67	76	7	70	0	11	3	8	0	.21	29.68	18	10.1	16.4	21	33	10	8		
15	73	53	63	-5	51	0	2			0	0	29.86	31	10.0	10.5	17	32	2	2		
16	76	49	63	-3	49	0	0			0	0	30.18	34	4.9	5.8	13	35	1	1		
17	77	55	67	0	57	0	0			0	0	30.20	21	2.5	5.9	9	16	1	1		
18	78	55	67	0	57	0	2	2	8	0	0	29.97	24	5.9	6.0	14	26	1	1		
19	74	49	62	-5	49	0	3	1	8	0	T	29.86	32	9.6	11.8	20	32	1	1		
20	67	41*	54*	-13	41	11	0			0	0	30.12	24	4.9	5.9	12	17	4	4		
21	71	58	65	-1	61	0	0	1		0	1.10	29.94	17	11.1	11.5	16	18	10	10		
22	71	58	65	-1	63	0	0	1		0	.38	29.76	05	4.3	10.6	21	16	10	10		
23	70	50	60	-6	47	5	0	1		0	.22	30.08	04	10.6	11.1	17	04	3	4		
24	70	47	59	-6	46	6	0			0	0	30.22	04	9.2	10.4	16	06	8	7		
25	70	55	63	-2	54	2	0			0	T	30.16	01	4.8	6.0	12	04	10	10		
26	80	53	67	2	56	0	2	1	8	0	0	30.11	30	4.6	5.6	10	35	10	8		
27	75	55	65	1	51	0	0			0	0	30.16	04	4.1	5.0	9	10	10	9		
28	75	61	68	4	62	0	3	1	8	0	.01	30.03	14	4.7	6.8	13	17	10	10		
29	78	70	74	10	67	0	9	23	8	0	.30	29.92	06	1.6	2.6	8	08	10	10		
30	71	64	68	5	64	0	3	1	8	0	1.67	29.91	05	9.8	10.1	15	05	10	10		
SUM	SUM	SUM	SUM	SUM	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	FOR THE MONTH:	FOR THE MONTH:	FOR THE MONTH:	FOR THE MONTH:	TOTAL	%	SUM	SUM		
2320	1774				31	138	NUMBER OF DAYS	5.94	0	29.98	07	.5	8.4	29	16			FOR	193	185	
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	PRECIPITATION	DEP.				DATE: 06	DATE: 06	DATE: 06	DATE: 06	POSSIBLE	MONTH	AVG.	AVG.		
77.3	59.1	68.2	0.3	58	-1	19	>.01 INCH	11	2.52									6.4	5.2		
NUMBER OF DAYS							SNOW-ICE PELLETS			GREATEST IN 24 HOURS AND DATES				GREATEST DEPTH ON GROUND OF SNOW							
MAXIMUM TEMP.							THUNDERSTORMS			PRECIPITATION				SNOW-ICE PELLETS							
MINIMUM TEMP.							HEAVY FOG			SNOW-ICE PELLETS				ICE PELLETS ON ICE AND DATE							
DEP.							DEP.			DEP.				DEP.							
0							0			0				0							
10							-6			CLEAR 9				PARTLY CLOUDY 6				CLOUDY 15			

\* 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

### SUMMARY BY HOURS

HOUR LOCAL TIME	SKY COVER TENTHS	STATION PRESSURE IN.	TEMPERATURE				RELATIVE HUMIDITY %	WIND SPEED M.P.H.	DIRECTION	RESULTANT WIND SPEED M.P.H.
			AIR °F	NET BULB °F	DEW PT. °F	WIND DIR.				
01	6	29.99	64	61	58	81	7.5	14	.6	
04	6	29.98	63	60	58	84	7.1	19	.2	
07	6	30.00	64	60	58	82	7.1	02	1.6	
10	7	30.01	71	64	59	66	9.9	03	2.3	
13	7	29.99	75	65	59	59	8.9	33	.4	
16	7	29.96	75	65	58	58	8.7	19	1.3	
19	6	29.97	69	63	58	70	7.9	13	1.4	
22	6	29.99	66	62	59	78	8.1	12	1.4	

### 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																								
2																								
3																								
4																								
5																								
6	.06	.25	.13	.01	T	T		.02	T	T	.13	.06	.03	T	T	T	.03	.20	.09	.16	.12	.38	.29	
7																								
8																								
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14													.02	T			T	.14	.05					
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19																								
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21																								
22	.20	.02	T	T	T				.01	.01	T	T	.03	.01	.06	.04	.07	.03	T	.13	.06	.12	.18	.25
23	.05	.12	.03	.02	T	T																		
24																								
25																								
26																								
27																								
28		.12	.09	T	T																			
29		.46	.42	.01	T	T																		
30	.71																							

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**noaa** NATIONAL OCEANIC AND ENVIRONMENTAL DATA AND INFORMATION SERVICE

*Daniel B. Mitchell*  
 DIRECTOR, NATIONAL CLIMATIC CENTER

# OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	SKY LOWER TENTHS			VISI-BILITY	WEATHER	TEMPERATURE				WIND	SKY LOWER TENTHS			VISI-BILITY	WEATHER	TEMPERATURE				WIND	SKY LOWER TENTHS			VISI-BILITY	WEATHER	TEMPERATURE				WIND			
	0-3	4-7	8-10			AIR °F	NET BULB °F	DEW PT. °F	REL. HUM.		0-3	4-7	8-10			DIR	SPEED	0-3	4-7		8-10	AIR °F	NET BULB °F			DEW PT. °F	REL. HUM.	0-3	4-7		8-10	DIR	SPEED
01	10	5	4			72	66	67	84	01	7	5	8			72	69	68	87	10	7	8	44	8			74	72	71	80	18	7	
04	10	5	4			70	68	67	80	07	7	5	8			73	70	69	87	00	0	0	0	0			73	71	70	80	18	5	
07	10	5	4			69	66	64	84	12	7	7	10			73	71	70	90	08	5	10	50	8			76	73	71	85	21	4	
10	5	5	4			70	69	65	68	06	7	9	12			80	74	71	74	19	8	10	70	12			80	74	71	74	22	5	
13	5	5	4			82	71	66	58	12	6	5	UNL			85	75	70	61	18	6	6	100	8			82	74	71	69	24	8	
16	5	5	4			81	72	67	63	17	11	8	40			80	75	73	78	17	9	8	100	8			82	75	72	72	22	6	
19	5	5	4			76	71	66	76	14	6	6	5			77	72	70	78	18	10	10	250	6			76	73	71	76	23	4	
22	5	5	4			72	68	67	84	13	6	8	5			75	72	70	85	19	12	10	10	10			76	73	72	87	22	4	
DAY 01																																	
01	10	70	4			75	72	70	85	18	4	8	UNL			76	73	71	85	10	4	10	10	7			77	73	71	82	15	22	
04	10	70	4			73	71	70	90	19	5	10	10			75	72	71	87	10	4	10	14	10			78	73	71	78	18	22	
07	10	75	4			80	75	73	78	17	4	4	4			87	75	72	71	87	09	7	10	10	4			76	72	70	82	22	18
10	10	70	4			80	75	73	78	17	7	10	10			87	75	72	74	11	11	10	16	5			75	71	69	82	22	12	
13	2	UNL	4			84	74	70	63	20	4	10	30			77	73	71	82	08	9	8	34	30			84	73	68	59	27	14	
16	1	UNL	4			85	74	68	58	19	9	10	15			81	76	74	78	10	11	8	32	20			84	74	69	61	27	10	
19	8	UNL	9			77	73	71	82	16	5	10	8			77	74	73	88	13	11	0	UNL	8			78	72	69	72	25	8	
22	10	8	9			76	73	71	85	14	5	10	8			77	74	73	88	13	22	0	UNL	8			76	69	66	71	25	8	
DAY 02																																	
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**NOTES**

**CEILING**  
UNL INDICATES UNLIMITED

**WEATHER**

- T TORRADO
- I THUNDERSTORM
- O SQUALL
- R RAIN
- RM RAIN SHOWERS
- ZR FREEZING RAIN
- L DRIZZLE
- ZL FREEZING DRIZZLE
- S SNOW
- SP SNOW PELLETS
- IC ICE CRYSTALS
- SN SNOW SHOWERS
- SG SNOW GRAINS
- IP ICE PELLETS
- A HAIL
- F FOG
- IF ICE FOG
- GF GROUND FOG
- BD BLOWING DUST
- BN BLOWING SAND
- BS BLOWING SNOW
- BY BLOWING SPRAY
- K SMOKE
- M HAZE
- D DUST

**WIND**

DIRECTIONS ARE THOSE FROM WHICH THE WIND BLOWS, INDICATED IN TENS OF DEGREES FROM TRUE NORTH: 1-E., 09 FOR EAST, 18 FOR SOUTH, 27 FOR WEST. ENTRY OF 00 IN THE DIRECTION COLUMN INDICATES CALM.

SPEED IS EXPRESSED IN KNOTS; MULTIPLY BY 1.15 TO CONVERT TO MILES PER HOUR.

STATION  
WILMINGTON DEL

YEAR & MONTH  
79 09

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