

# LOCAL CLIMATOLOGICAL DATA

## Monthly Summary



GREATER WILMINGTON AIRPORT

LATITUDE 39° 40' N LONGITUDE 75° 36' W ELEVATION (GROUND) 74 FEET TIME ZONE EASTERN 13781

AUG 1989  
 WILMINGTON, DE

DATE	TEMPERATURE °F						DEGREE DAYS BASE 65°F		WEATHER TYPES 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 0700 INCHES	PRECIPITATION		AVERAGE STATION PRESSURE IN INCHES ELEV. 80 FEET ABOVE M.S.L.	WIND (M.P.H.)						SUNSHINE		SKY COVER (TENTHS)	
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEN POINT	HEATING (SEASON BEGINS WITH JUL)	COOLING (SEASON BEGINS WITH JAN)	WATER EQUIVALENT (INCHES)			SNOW, ICE PELLETS (INCHES)	RESULTANT DIR.		RESULTANT SPEED	AVERAGE SPEED	PEAK GUST	DIRECTION	FATEST 1-MIN	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT	
1	2	3	4	5	6	7A	7B	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
01	80	65	73	-3	64	0	8	1	0	0.00	0.0	30.020	04	4.5	6.1	15	E	9	03			9	8
02	82	65	74	-2	65	0	9	1	0	0.00	0.0	29.940	23	3.5	4.0	15	SW	10	24			7	7
03	89	69	79	3	70	0	14	1	8	0.00	0.0	29.810	28	6.5	7.5	17	NW	14	33			4	4
04	91	71	81	5	73	0	16	1	8	0.00	0.0	29.695	24	8.1	8.8	18	SW	16	25			4	4
05	92*	78	85*	9	73	0	20	1	8	0.00	0.0	29.630	29	7.6	8.8	20	NW	13	32			4	3
06	91	75	83	7	75	0	18	1	8	0.00	0.0	29.600	26	4.0	4.9	16	W	10	29			4	4
07	81	63	72	-4	66	0	7	1	0	0.00	0.0	29.640	34	8.3	8.9	23	N	15	36			9	7
08	73	53*	63*	-13	51	2	0	0	0	0.00	0.0	29.870	31	7.3	7.7	23	NW	15	32			3	3
09	79	54	67	-9	52	0	2	0	0	0.00	0.0	30.120	36	2.1	5.3	15	SE	10	14			3	2
10	77	59	68	-8	58	0	3	0	0	0.00	0.0	30.180	06	6.6	8.5	18	NE	14	05			10	9
11	70	62	66	-10	63	0	1	1	0	0.35	0.0	30.060	03	10.0	10.3	23	NE	16	03			10	10
12	72	64	68	-8	68	0	3	1	0	0.33	0.0	30.020	01	3.4	4.0	9	S	7	36			10	10
13	85	72	79	4	72	0	14	1	0	0.18	0.0	30.000	19	3.4	6.0	14	S	10	18			8	7
14	82	68	75	0	71	0	10	2	8	0.00	0.0	30.010	17	3.8	4.2	13	S	12	17			10	9
15	81	71	76	1	71	0	11	1	8	0.00	0.0	29.915	17	3.5	4.1	16	S	10	17			10	10
16	88	69	79	4	71	0	14	1	8	0.00	0.0	29.830	28	2.6	4.0	13	NW	9	33			4	5
17	86	70	78	3	65	0	13	1	8	0.00	0.0	29.960	01	4.9	5.3	15	NE	10	04			5	5
18	72	67	70	-5	62	0	5	1	0	0.20	0.0	30.115	05	12.0	12.5	24	NE	18	05			10	10
19	77	66	72	-3	67	0	7	1 3	8	0.89	0.0	29.995	05	4.1	9.7	26	NE	17	04			10	10
20	84	67	76	1	69	0	11	1	8	0.00	0.0	29.940	23	6.7	7.3	18	SW	12	26			6	7
21	83	73	78	4	73	0	13	1 3	8	0.00	0.0	29.860	23	9.7	9.9	26	SW	16	24			8	8
22	85	66	76	2	67	0	11	3	8	0.00	0.0	29.880	25	5.6	7.0	18	W	10	24			3	4
23	89	73	81	7	71	0	16	1	8	0.00	0.0	29.780	29	6.5	8.5	25	W	16	29			5	6
24	84	66	75	1	60	0	10	0	0	0.00	0.0	29.895	01	5.9	6.6	15	NE	9	04			3	3
25	78	61	70	-4	55	0	5	0	0	0.00	0.0	29.995	04	4.2	5.8	17	E	12	04			1	1
26	81	59	70	-3	64	0	5	1	8	0.00	0.0	29.960	21	1.4	2.7	14	S	8	18			4	3
27	81	64	73	0	62	0	8	1	0	0.00	0.0	30.015	09	3.1	5.6	16	SE	10	14			6	7
28	85	68	77	4	71	0	12	1	8	0.00	0.0	30.020	28	0.3	3.2	9	NW	7	32			8	9
29	83	72	78	5	74	0	13	1	8	0.00	0.0	29.885	18	4.6	5.3	16	SE	12	18			9	10
30	88	67	78	5	68	0	13	1	8	0.02	0.0	29.760	28	8.1	8.7	24	NW	18	29			4	4
31	82	61	72	0	58	0	7	0	0	0.00	0.0	29.940	31	5.8	6.4	16	NW	10	29			0	0
SUM	SUM	SUM	SUM	SUM	SUM	TOTAL	TOTAL	NUMBER OF DAYS	TOTAL	TOTAL	TOTAL	FOR THE MONTH:						TOTAL	%	SUM	SUM		
2551	2058					2	299		1.97	0.0	29.910	31	1.7	6.7	26	SW	18	29			FOR	191	189
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	2	-5	PRECIPITATION	DEP.							DATE: 21+	DATE: 30+	POSSIBLE	MONTH	AVG.	AVG.		
82.3	66.4	74.4	-0.4	66.1		2	-5	6	-2.06											6.2	6.1		
NUMBER OF DAYS						SEASON TO DATE		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES						GREATEST DEPTH ON GROUND OF							
MAXIMUM TEMP.						MINIMUM TEMP.		THUNDERSTORMS		PRECIPITATION		SNOW, ICE PELLETS											
≥ 90°						≤ 32°		3		1.08		18-19		0									
3						0		2		118		CLEAR 6		PARTLY CLOUDY 12		CLOUDY 13							

\* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.  
 † TRACE AMOUNT.  
 + ALSO ON EARLIER DATE(S).  
 HEAVY FOG: VISIBILITY 1/4 MILE OR LESS.  
 BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA.

DATA IN COLS 6 AND 12-15 ARE BASED ON 21 OR MORE OBSERVATIONS AT HOURLY INTERVALS. RESULTANT WIND IS THE VECTOR SUM OF WIND SPEEDS AND DIRECTIONS DIVIDED BY THE NUMBER OF OBSERVATIONS. COLS 16 & 17: PEAK GUST - HIGHEST INSTANTANEOUS WIND SPEED. ONE OF TWO WIND SPEEDS IS GIVEN UNDER COLS 18 & 19: FASTEST MILE - HIGHEST RECORDED SPEED FOR WHICH A MILE OF WIND PASSES STATION (DIRECTION IN COMPASS POINTS). FASTEST OBSERVED ONE MINUTE WIND - HIGHEST ONE MINUTE SPEED (DIRECTION IN TENS OF DEGREES). ERRORS WILL BE CORRECTED IN SUBSEQUENT PUBLICATIONS.

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HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

AUG 1989  
WILMINGTON, DE

13781

DATE	A. M. HOUR ENDING AT												P. M. HOUR ENDING AT												DATE
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
01																								01	
02																									02
03																									03
04																									04
05																									05
06																									06
07																									07
08																									08
09																									09
10																									10
11	0.02	T	0.01	0.03	0.02	0.01	0.02	T	T	0.01	T	T									T	T			11
12		T	T			T	T			T	T	0.06									0.01	T	0.06	0.08	12
13	0.01	0.06	T	0.07	T	0.03	0.01			T															13
14																									14
15																									15
16																									16
17																									17
18																									18
19	0.10	T	T			0.12	0.29	0.23	0.06	0.08	T	T													19
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31																									31

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.06	0.12	0.16	0.20	0.26	0.30	0.36	0.44	0.51	0.57	0.63	0.64
ENDED: DATE	19	19	19	19	19	19	19	19	19	19	19	19
ENDED: TIME	0718	0635	0636	0637	0645	0658	0645	0732	0724	0744	0800	0819

THE PRECIPITATION AMOUNTS FOR THE INDICATED TIME INTERVALS MAY OCCUR AT ANY TIME DURING THE MONTH. THE TIME INDICATED IS THE ENDING TIME OF THE INTERVAL. DATE AND TIME ARE NOT ENTERED FOR TRACE AMOUNTS.

VALIDATED BY:  
MATTHEW BODOSKY

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