

JANUARY 1979
 WILMINGTON, DELAWARE
 NATIONAL WEATHER SERVICE OFC
 GREATER WILMINGTON AIRPORT

Local Climatological Data



MONTHLY SUMMARY

LATITUDE 39° 40' N LONGITUDE 75° 36' W ELEVATION (GROUND) 74 FT. STANDARD TIME USED: EASTERN UTMAN #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.	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 EQUIV. IN.	SNOW, ICE PELLETS IN.		RESULTANT DIR.	RESULTANT SPEED M.P.H.	AVERAGE SPEED M.P.H.	FASTEST MILE	MINUTES	PERCENT OF POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT	
1	64	41	53	21	48	12	0	1	0	.27	0	30.02	20	5.8	8.5	21	20	10	10	1	2
2	63	33	48	16	45	17	0	2	0	1.40	0	29.57	23	5.5	14.2	23	30	10	10	0	1
3	33	6	21	-11	1	44	0	0	0	0	0	30.23	30	16.2	19.2	29	30	10	10	0	1
4	30	8	19	-13	5	46	0	0	0	0	0	30.50	25	8.8	8.2	20	26	1	10	4	4
5	33	18	26	-6	12	39	0	0	0	.09	1.4	30.54	24	9.8	8.3	15	33	7	8	5	5
6	33	26	30	-2	24	35	0	1	8	.09	1.6	30.30	27	1.6	5.5	12	30	10	10	6	6
7	54	29	42	10	34	23	0	2	4 6 8	1.37	2.1	30.04	12	4.8	5.8	17	19	10	10	7	7
8	57	20	39	7	32	26	0	1	4 6 8	.39	0	29.77	30	9.8	16.4	23	30	10	10	8	8
9	26	14	20	-12	6	45	0	0	0	0	0	30.23	28	8.8	10.6	22	32	0	0	8	8
10	32	14	23	-9	11	42	0	0	0	0	0	30.30	30	6.3	7.9	17	30	6	5	10	10
11	24	13	19	-13	2	46	0	0	0	T	T	30.46	35	10.1	10.5	20	33	8	8	11	11
12	27	13	20	-12	15	45	0	1	4 6 8	.24	3.1	30.38	05	11.0	11.1	16	06	10	10	12	12
13	38	26	32	0	30	33	0	1	4 6 8	.17	T	29.91	05	15.4	15.7	20	05	10	10	13	13
14	43	25	34	2	28	31	0	2	8	.01	0	29.55	28	9.3	13.2	28	31	10	10	14	14
15	29	18	24	-6	6	41	0	0	0	0	0	30.26	30	12.1	12.9	18	28	1	3	15	15
16	45	23	34	2	13	31	0	0	0	0	0	30.32	27	5.3	6.2	18	30	4	4	16	16
17	34	24	29	-3	20	36	0	1	4	.05	.7	30.12	14	2.8	7.8	13	14	10	7	17	17
18	32	12	22	-10	13	43	0	2	4	0	0	29.98	31	16.7	17.5	32	31	4	4	18	18
19	21	6	14	-18	1	51	0	0	0	T	0	30.28	34	8.1	8.5	13	35	8	8	19	19
20	35	19	27	-5	18	38	0	1	4 6	1.18	.2	29.88	09	7.6	8.9	16	05	10	10	20	20
21	53	35	44	12	41	21	0	2	4 6	.97	0	29.00	20	6.1	11.2	22	23	10	10	21	21
22	40	28	34	2	23	35	0	0	0	T	T	29.54	28	15.5	16.1	24	30	9	9	22	22
23	39	21	30	-2	20	35	0	0	0	0	0	30.03	19	3.4	7.8	12	17	7	6	23	23
24	55	34	45	13	40	20	0	2	8	1.12	T	29.40	10	11.0	15.5	29	12	10	10	24	24
25	45	30	38	6	23	27	0	0	0	T	T	29.19	29	19.3	19.6	26	30	10	10	25	25
26	43	30	37	5	25	28	0	0	0	0	.1	29.44	30	18.5	18.7	23	31	9	8	26	26
27	43	29	36	4	26	29	0	0	0	0	0	29.52	31	12.0	12.2	18	31	10	7	27	27
28	39	28	34	2	29	31	0	1	1	.23	2.1	29.24	30	11.1	12.4	26	31	10	9	28	28
29	45	35	40	8	25	25	0	0	0	0	0	29.42	31	24.0	24.2	30	31	4	6	29	29
30	38	30	34	2	22	31	0	0	0	0	0	29.64	31	18.3	18.4	26	31	10	8	30	30
31	33	27	30	-2	21	35	0	0	0	.03	.7	29.57	30	14.6	15.2	25	31	10	10	31	31

JANUARY 1979 WILMINGTON, DELAWARE

SUM	716	1037	0	7.61	12.0	29.89	30	6.6	12.6	32	31	238	222
AVG.	23.2	31.4	-0.6	21	14	0	15	4.76				7.7	7.2
NUMBER OF DAYS		TOTAL		PRECIPITATION		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES		GREATEST DEPTH ON GROUND OF SNOW		ICE PELLETS OR ICE AND DATE	
90	32	32	0	2.01	20-21	3.1	12			4	7		
0	8	26	0	9	0	0	0						

* 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 DUST SPEED.
 ANY ERRORS DETECTED WILL BE CORRECTED AND CHANGES IN SUMMARY DATA WILL BE ANNOTATED IN THE ANNUAL SUMMARY

SUMMARY BY HOURS

LOCAL TIME	SKY COVER TENTHS	STATION PRESSURE IN.	TEMPERATURE				RELATIVE HUMIDITY & WIND SPEED		RESULTANT WIND	
			AIR °F	NET BULB °F	DEW PT. °F	%	WIND SPEED M.P.H.	DIRECTION	SPEED M.P.H.	
01	7	29.90	30	27	21	70	12.2	31	6.3	
04	7	29.90	29	27	21	73	11.0	30	4.4	
07	8	29.91	28	26	21	73	11.3	31	5.6	
10	8	29.94	32	29	22	67	13.9	31	7.6	
13	8	29.87	34	31	22	63	15.0	30	7.5	
15	8	29.86	34	31	22	62	14.4	30	8.4	
18	7	29.88	31	28	21	67	11.9	30	6.6	
22	7	29.89	30	27	21	70	11.3	30	6.8	

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	T	.04											.01	.02										
2			T	.03									.06	.05		.06	.09	.07	.09	.08	.03	T		
3																								
4																								
5																						.02	.03	.04
6	.03	T	.01	.03	T	T		.02					.01	.02							.24	.07	.17	.01
7	.03	.05	.04	.05	.04	.03	.04	.07	.10	.08	.02	.02	.01	.02			.12	.07	.08	.03				
8	T	T	T	.02	.03	.05	.03	.03	.15	.06	.02	T	T	T										
9																								
10																								
11																								
12																								
13	.01	T	T	T	.02	.01	T	T	.01	T	T	.04	T	.02	.01	.01	T	T	.02	T	T	T	T	
14	T	T	T	.01	T	T	T	T	T	T	T	.04	T	.02	.01	.01	T	T	.02	T	T	T	T	
15																								
16																								
17																								
18																								
19																								
20																								
21	.08	.19	.13	.10	.05	.04	.06	T	.05	.07	.01	.10	.07	.02	.04	.05	.05	.09	.12	.10	.15	.20	.19	
22								T	T	T	T	.01	.05	.07	.07	.20	.19	T	T	T	T	T	T	
23																								
24								.01	.04	.15	.10	.10	.01	.11	.05	.07	.07	.20	.19	T	T	T	T	
25																								
26																								
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Daniel B. Mitchell
 DIRECTOR, NATIONAL CLIMATIC CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	SPEED KNOTS	DIRECTION	VISI- BILITY MILES	WEATHER	TEMPERATURE				WIND				SUN ELEVATION	MOON ELEVATION	VISI- BILITY MILES	WEATHER	TEMPERATURE				WIND													
					AIR * F	SEA SURF F	DEW POINT F	REL. HUM. %	DIR	SPEED KNOTS	DIR	SPEED KNOTS					AIR * F	SEA SURF F	DEW POINT F	REL. HUM. %	DIR	SPEED KNOTS	DIR	SPEED KNOTS										
01	10	48	7		43	42	40	89	00	0	0	10	28	10		DAY 02	62	58	56	78	19	20	7	10	38	15		DAY 03	31	26	21	66	31	23

NOTES
CEILING
UNL INDICATES UNLIMITED

WEATHER
* TORNADO
T THUNDERSTORM
Q SQUALL
R RAIN
RW RAIN SHOWERS
ZR FREEZING RAIN
L DRIZZLE
ZL FREEZING DRIZZLE
S SNOW
SP SNOW PELLETS
IC ICE CRYSTALS
SM 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
H HAZE
D DUST

WIND
DIRECTIONS ARE THOSE FROM WHICH THE WIND BLOWS, INDICATED IN TERMS OF DEGREES FROM TRUE NORTH; T.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 01

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