

LOCAL CLIMATOLOGICAL DATA

Monthly Summary



NATIONAL WEATHER SERVICE OFC

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

DEC 1983
 WILMINGTON, DELAWARE

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 07AM 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 DEW POINT	HEATING (SEASON BEGINS WITH JUL)	COOLING (SEASON BEGINS WITH JAN)			WATER EQUIVALENT (INCHES)	SNOW, ICE PELLETS (INCHES)		RESULTANT DIR.	RESULTANT SPEED	AVERAGE SPEED	FASTEST MILE	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT	1	2	3
1	43	25	34	-6	22	31	0		0	0	0	30.04	29	11.2	11.8	21	30			2	1	1	
2	40	19	30	-10	22	35	0	1 4	0	.13	T	30.13	26	5.7	6.6	10	23			9	7	2	
3	43	35	39	0	30	26	0	1	0	.05	0	30.02	33	6.2	7.5	15	35			10	10	3	
4	48	35	42	3	38	23	0	1 4	0	1.20	T	29.72	36	9.4	11.1	20	01			10	10	4	
5	45	32	39	1	35	26	0	1	0	0	0	29.96	29	4.9	5.6	10	30			10	9	5	
6	57	40	49	11	42	16	0	1	0	.42	0	29.57	19	6.6	9.6	31	28			10	10	6	
7	46	32	39	1	20	26	0		0	0	0	29.68	28	22.2	22.4	33	27			4	4	7	
8	40	25	33	-4	21	32	0		0	0	0	30.08	27	6.0	6.8	16	26			9	5	8	
9	45	23	34	-3	28	31	0	1 8	0	0	0	30.26	21	5.5	6.2	15	20			9	7	9	
10	53	33	43	6	33	22	0	1	0	.02	0	30.29	31	6.0	7.2	16	35			5	6	10	
11	45	29	37	0	32	28	0	1 8	0	T	0	30.42	02	11.1	12.1	21	36			9	8	11	
12	64*	42	53	17	49	12	0	1	0	1.85	0	29.90	05	3.1	15.1	23	21			10	10	12	
13	60	50	55*	19	53	10	0	1	0	1.04	0	29.47	34	10.6	11.1	20	34			10	10	13	
14	56	45	51	15	44	14	0	1	0	.01	0	29.52	27	9.7	10.6	15	26			5	8	14	
15	54	40	47	12	44	18	0	1	0	0	0	29.71	23	7.7	9.2	16	23			10	7	15	
16	48	32	40	5	31	25	0	1	0	0	0	30.07	30	7.2	8.3	16	32			3	3	16	
17	38	24	31	-4	21	34	0		0	0	0	30.36	31	9.3	9.6	17	33			1	3	17	
18	35	19	27	-8	19	38	0		0	0	0	30.41	29	4.9	5.3	9	27			7	5	18	
19	33	19	26	-8	14	39	0		0	0	0	30.27	32	11.6	11.7	21	34			6	7	19	
20	27	13	20	-14	1	45	0		0	0	0	30.51	35	9.6	10.4	14	36			2	5	20	
21	31	8	20	-14	8	45	0	4 6	0	T	T	30.65	02	10.2	12.4	17	06			8	7	21	
22	53	31	42	8	40	23	0	2 6	0	1.04	0	29.96	18	2.5	11.7	21	16			10	9	22	
23	35	21	28	-6	9	37	0		0	0	0	30.06	31	11.0	11.1	22	30			8	9	23	
24	26	-5	11	-22	3	54	0		T	T	T	29.71	30	19.1	19.4	30	31			8	6	24	
25	10	-7*	2*	-31	-13	63	0		0	0	0	29.93	29	18.8	19.0	28	29			1	0	25	
26	17	-2	8	-25	-7	57	0		0	0	0	30.16	28	11.1	11.8	20	29			1	0	26	
27	31	8	20	-13	10	45	0		0	0	0	30.20	19	3.7	4.9	9	25			8	8	27	
28	53	27	40	7	26	25	0	2 6	0	1.04	0	29.89	14	3.5	9.4	29	20			10	10	28	
29	35	20	28	-5	22	37	0	1	0	0	0	29.94	31	12.8	13.4	21	32			10	10	29	
30	23	8	16	-16	5	49	0		0	0	0	30.44	32	11.9	12.1	18	32			0	0	30	
31	30	5	18	-14	6	47	0		0	0	0	30.54	32	7.3	7.8	10	33			0	0	31	
SUM	SUM					TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL	FOR THE MONTH:				TOTAL	%	SUM	SUM				
1264	726					1013	0			6.80	T	30.06	30	6.6	10.7	33	27			205	194		
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.		PRECIPITATION		DEP.						DATE: 07	POSSIBLE	MONTH	AVG.	AVG.			
40.8	23.4	32.1	-3.4	23	98	0		> .01 INCH. 10		3.26									5.6	5.3			
NUMBER OF DAYS						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.		1904	1296	THUNDERSTORMS	0	PRECIPITATION	SNOW, ICE PELLETS														
< 90°	< 32°	< 32°	< 0°	DEP.	DEP.	HEAVY FOG	2	1.91	12-13	T	24+				T 24+								
0	8	23	3	89	281	CLEAR	8	PARTLY CLOUDY	5	CLOUDY	18												

* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.
 T 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 7 OR MORE OBSERVATIONS AT 3-HOUR INTERVALS. RESULTANT WIND IS THE VECTOR SUM OF WIND SPEEDS AND DIRECTIONS DIVIDED BY THE NUMBER OF OBSERVATIONS. ONE OF THREE WIND SPEEDS IS GIVEN UNDER FASTEST MILE: 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). PEAK GUST - HIGHEST INSTANTANEOUS WIND SPEED (A / APPEARS IN THE DIRECTION COLUMN). ERRORS WILL BE CORRECTED AND CHANGES IN SUMMARY DATA WILL BE ANNOTATED IN THE ANNUAL PUBLICATION.

MINIMUM TEMP. IS NEW RECORD FOR DECEMBER.

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OBSERVATIONS AT 3-HOUR INTERVALS

DEC 1983 13781
WILMINGTON, DELAWARE

Table with 18 columns (Hour, Sky Cover, Ceiling, Visibility, Weather, Temperature, Wind, etc.) and rows for each 3-hour interval of 18 days. Includes weather codes like UNL, R, F, etc.

WEATHER CODES

- * TORNADO, T THUNDERSTORM, Q SQUALL, R RAIN, RW RAIN SHOWERS, ZR FREEZING RAIN, L DRIZZLE, ZL FREEZING DRIZZLE, S SNOW, SW SNOW SHOWERS, SG SNOW GRAINS, SP SNOW PELLETS, IC ICE CRYSTALS, IP ICE PELLETS, IPW ICE PELLET SHOWERS, 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

CEILING: UNL INDICATES UNLIMITED
WIND DIRECTION: DIRECTIONS ARE THOSE FROM WHICH THE WIND BLOWS, INDICATED IN TENS OF DEGREES FROM TRUE NORTH: I.E., 09 FOR EAST, 18 FOR SOUTH, 27 FOR WEST. AN ENTRY OF 00 INDICATES CALM
SPEED: THE OBSERVED AVERAGE ONE-MINUTE VALUE, EXPRESSED IN KNOTS (MPH=KNOTS X 1.15).

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

DEC 1983 13781
WILMINGTON, DELAWARE

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	
1																								1	
2																								2	
3	.03	.02																						3	
4		.01																						4	
5			.03	.09	.12	.10	.30	.26	.18	.07	.03	.01	T											5	
6																								6	
7							T	T	.02	.10	.05	.03	T											7	
8																.02	.02	.11	.06	.01	T			8	
9																								9	
10	T	.02																						10	
11																								11	
12	T	T	T	.07	.03	T	.06	.03	.06	.19	.37	.48	.02	T	T	T	T	T	.04	.28	.12	.01	.06	.03	12
13	T	.04	.02	.05	.02	T	.02	.02	.07	.03	.03	.12	.07	.12	.12	.08	.02	.02	.12	.06	T	T	T	.01	13
14	.01	T	T																						14
15																									15
16																									16
17																									17
18																									18
19																									19
20																									20
21																									21
22	T	.06	.08	.12	.10	.14	.06	.22	.12	.04	.03	.01	T		T	.04	.02	T						T	22
23																									23
24						T	T						T	T	T										24
25																									25
26																									26
27																									27
28									T	.04	.09	.13	.22	.16	.14	.15	.11							T	28
29																									29
30																									30
31																									31

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	00.13	00.18	00.20	00.24	00.32	00.40	00.51	00.64	00.75	00.84	00.98	01.04
ENDED: DATE	12	12	12	12	12	12	12	12	12	12	12	12
ENDED: TIME	1130	1135	1140	1130	1140	1135	1140	1135	1200	1200	1200	1200

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.

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