

# LOCAL CLIMATOLOGICAL DATA Monthly Summary



GREATER WILMINGTON AIRPORT

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

DEC 1984  
 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 DUST/STORM 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 MINUTES	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		PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT	DATE
01	55	34	45	5	34	20	0		0	0.01	0.0	29.895	27	8.3	9.5	17	28		6	3	01
02	52	26	39	-1	32	26	0		0	0.00	0.0	30.210	23	1.9	5.2	9	30		10	7	02
03	52	36	44	5	39	21	0	2	0	0.30	0.0	29.980	27	2.3	9.3	17	26		9	6	03
04	40	29	35	-4	20	30	0		0	0.00	0.0	30.225	28	8.9	9.3	18	29		7	5	04
05	39	32	36	-2	23	29	0	1 4	0	0.40	0.3	30.280	07	6.0	7.7	17	06		10	10	05
06	42	32	37	-1	31	28	0	1	0	0.52	T	29.590	30	11.9	14.3	20	28		9	9	06
07	34	21	28*	-10	12	37	0		0	0.00	0.0	29.990	29	14.2	15.3	23	30		2	2	07
08	46	22	34	-3	21	31	0		0	0.00	0.0	29.960	22	6.0	6.8	15	25		3	3	08
09	50	25	38	1	27	27	0	1	8	0.00	0.0	30.170	03	1.0	1.7	7	33		1	3	09
10	48	40	44	7	41	21	0	2	8	0.00	0.0	29.935	14	1.8	3.9	9	16		10	10	10
11	53	32	43	6	37	22	0	1	8	0.00	0.0	29.920	34	6.2	6.7	15	33		4	6	11
12	48	30	39	3	36	26	0	1	8	0.00	0.0	29.890	22	1.8	4.7	12	16		10	9	12
13	63	42	53	17	46	12	0	1	8	0.01	0.0	29.950	19	1.0	1.0	7	17		10	10	13
14	56	44	50	14	41	15	0	1	8	0.01	0.0	30.305	06	10.0	10.6	17	04		10	10	14
15	51	43	47	12	43	18	0	2	8	0.05	0.0	30.300	05	4.3	6.5	12	09		10	10	15
16	46	38	42	7	40	23	0	1	8	T	0.0	30.310	12	2.7	4.1	13	18		10	10	16
17	56	41	49	14	47	16	0	2	8	T	0.0	30.060	24	3.6	4.3	12	24		7	8	17
18	64	40	52	17	42	13	0	2	8	0.00	0.0	30.030	33	3.9	4.9	12	33		10	10	18
19	46	38	42	8	35	23	0	1	8	0.18	0.0	29.920	03	3.2	6.2	12	32		10	8	19
20	53	29	41	7	32	24	0	1	8	0.00	0.0	29.980	27	3.8	5.7	15	30		8	7	20
21	50	36	43	9	33	22	0	2	8	0.24	0.0	30.030	07	7.8	9.6	16	08		10	10	21
22	64	40	52	18	43	13	0	2	8	0.08	0.0	29.760	27	10.3	11.8	21	21		8	6	22
23	47	28	38	4	23	27	0		0	0.00	0.0	30.190	24	3.8	6.2	12	28		3	1	23
24	50	23	37	4	32	28	0		8	0.05	0.0	30.010	18	4.1	4.4	12	18		9	7	24
25	50	21	36	3	23	29	0		0	0.02	0.0	30.250	30	12.3	13.6	23	31		2	3	25
26	44	18*	31	-2	16	34	0		0	0.00	0.0	30.570	29	5.0	6.6	16	30		5	5	26
27	42	33	38	5	31	27	0	1 4	8	0.04	T	30.430	07	8.2	8.4	13	07		10	10	27
28	61	38	50	17	42	15	0	1	8	0.00	0.0	30.110	23	3.7	4.8	14	24		10	9	28
29	74*	51	63*	30	50	2	0		0	0.00	0.0	29.900	23	10.9	11.1	16	23		0	2	29
30	61	34	48	16	36	17	0		0	T	0.0	30.160	36	7.3	10.0	21	36		10	9	30
31	45	34	40	8	37	25	0	1	8	0.03	0.0	30.280	04	7.0	7.5	12	07		10	9	31
SUM	SUM	SUM	SUM	SUM	TOTAL	TOTAL	NUMBER OF DAYS			TOTAL	TOTAL	FOR THE MONTH:				TOTAL	%	SUM	SUM		
1582	1030				701	0				1.94	0.3	30.080	30	2.2	7.5	23	31		FOR	233	217
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	PRECIPITATION > .01 INCH.			DATE: 25+	POSSIBLE	MONTH	AVG.	AVG.							
51.0	33.2	42.1	6.6	33.6	-21.4	0	14													7.5	7.0
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.		1606	1088	THUNDERSTORMS	0	PRECIPITATION	SNOW, ICE PELLETS												
5	90°	<	32°	<	32°	<	0°	0.92	0.3	05-06	0.3	05									
0	0	0	14	0	-209	7.3	CLEAR 6	PARTLY CLOUDY 5	CLOUDY 20												

\* 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 21 OR MORE OBSERVATIONS AT HOURLY 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 NOTED IN SUBSEQUENT PUBLICATIONS.

I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC DATA CENTER, ASHEVILLE, NORTH CAROLINA, 28801

**noaa**

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

*Kenneth D. Wadsworth*  
 DIRECTOR NATIONAL CLIMATIC DATA CENTER

### OBSERVATIONS AT 3-HOUR INTERVALS

DEC 1984 13781  
WILMINGTON, DELAWARE

HOUR L. S. T.	VISI-BILITY			TEMPERATURE				WIND			VISI-BILITY			TEMPERATURE				WIND														
	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	AIR OF	NET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	WHOLE MILES	AIR OF	NET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	WHOLE MILES	AIR OF	NET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)			
	DEC 1st									DEC 2nd									DEC 3rd													
01	9	110	12																													
04	0	UNL	10	41	39	36	83	20	5	0	UNL	12									10	36	10	R			44	41	38	80	17	9
07	1	UNL	7	39	38	36	89	25	9	0	UNL	7									10	36	5	RF			43	42	40	89	09	9
10	9	41	9	39	37	34	82	19	6	0	UNL	7									10	4	1	RF			44	43	41	89	12	10
13	6	250	15	50	46	41	71	26	13	10	UNL	8									10	4	2	F			46	45	44	93	10	7
16	6	UNL	15	55	46	36	49	27	12	10	250	10									10	2	1	RF			49	49	48	96	26	12
19	0	UNL	12	51	43	32	48	28	14	10	UNL	10									5	UNL	10				51	47	43	74	28	10
22	0	UNL	12	43	38	30	60	24	4	10	250	10									0	UNL	12				44	41	36	74	28	9
	DEC 4th									DEC 5th									DEC 6th													
01	0	UNL	15																													
04	0	UNL	15	34	30	23	64	30	6	10	95	12									10	5	1	RF			37	37	36	96	06	12
07	2	UNL	12	31	28	22	69	27	4	10	95	12									10	3	1	RF			42	42	41	96	29	8
10	2	UNL	12	30	27	21	69	26	8	10	95	10									10	6	3	F			37	36	35	93	28	9
13	10	20	15	37	31	20	50	30	11	10	250	10									3	UNL	12				40	38	36	86	28	11
16	9	250	15	39	32	19	45	29	16	10	80	10									10	23	12				40	36	31	70	30	16
19	6	UNL	15	39	32	19	45	29	15	10	85	10									10	32	12				37	33	26	65	30	14
22	10	UNL	15	34	29	19	54	24	5	10	23	4	RIPS								10	11	4	SW			36	33	28	73	28	17
	DEC 7th									DEC 8th									DEC 9th													
01	6	41	15																													
04	0	UNL	15	32	28	20	61	30	16	2	UNL	15									0	UNL	15				26	24	21	81	33	6
07	0	UNL	15	25	22	13	60	30	15	1	UNL	15									0	UNL	8				28	27	24	85	00	0
10	2	UNL	20	22	19	11	63	29	15	1	UNL	15									8	UNL	5	F			26	25	24	92	00	0
13	4	UNL	20	29	24	10	45	32	20	1	UNL	15									0	UNL	6	H			39	35	30	70	00	0
16	0	UNL	15	29	24	11	47	30	17	3	UNL	15									0	UNL	10				47	39	27	46	10	4
19	0	UNL	15	30	24	10	43	30	12	8	UNL	15									3	UNL	9				47	39	28	48	00	0
22	9	140	15	26	22	12	55	25	6	10	UNL	15									4	UNL	7				42	36	28	58	00	0
	DEC 10th									DEC 11th									DEC 12th													
01	9	UNL	7	41	39	37	86	00	0	10	48	2									1	UNL	7				35	34	33	92	34	5
04	10	11	5	44	42	40	86	04	6	10	26	2	F								4	UNL	4	F			31	31	30	96	30	6
07	10	5	3	44	42	40	86	06	5	8	85	3	F								10	UNL	2	F			31	31	30	96	32	5
10	10	1	0	45	45	44	96	18	3	9	28	6	H								10	250	4	FH			41	39	37	86	00	0
13	10	10	3	47	45	42	83	24	5	6	55	7									10	250	3	H			46	42	38	74	18	5
16	10	250	5	46	43	40	80	18	7	0	UNL	7									10	250	3	H			47	43	38	71	16	6
19	10	75	4	43	42	40	89	17	6	3	UNL	7									10	120	5	H			44	42	39	83	24	4
22	10	50	2	42	41	40	93	00	0	5	UNL	7									10	110	3	FH			43	42	40	89	18	4
	DEC 13th									DEC 14th									DEC 15th													
01	10	95	1	43	42	40	89	17	6	10	55	7									10	2	1	RF			46	45	44	93	05	7
04	10	40	1	43	42	41	93	00	0	10	75	7									10	3	2	RF			46	45	44	93	06	7
07	9	110	0	43	42	41	93	00	0	10	34	7									10	3	2	F			43	42	41	93	04	5
10	10	110	1	49	48	46	90	00	0	10	31	8									10	1	0	F			45	44	43	93	30	4
13	9	100	3	57	53	49	75	00	0	10	29	10									10	5	2	F			50	49	47	90	32	6
16	9	UNL	4	59	53	48	67	00	0	10	18	10									10	UNL	4	H			51	49	46	83	02	4
19	10	250	6	54	50	47	77	00	0	10	7	1	LF								10	UNL	5	H			45	43	41	86	03	3
22	10	55	5	53	50	48	83	00	0	10	3	1	LF								10	5	3	FH			44	43	41	89	09	10
	DEC 16th									DEC 17th									DEC 18th													
01	10	11	9	43	41	38	83	08	7	10	10	1	F								9	1	0	F			41	40	39	93	00	0
04	10	19	9	39	37	35	86	04	5	10	4	1	F								10	0	0	F			40	40	39	96	00	0
07	10	20	7	43	41	38	83	00	0	10	2	0	F								10	70	3	F			44	43	42	93	00	0
10	10	17	6	43	40	37	80	10	6	10	3	1	F								10	80	4	FH			56	54	53	90	27	3
13	10	4	1	43	42	41	93	00	0	10	6	2	F								10	230	7				64	57	51	63	31	6
16	10	3	0	44	43	42	93	00	0	10	UNL	3	H								10	220	7				57	51	44	62	31	6
19	10	7	2	45	44	43	93	19	3	3	UNL	1	F								10	220	9				51	45	39	64	32	8
22	10	3	2	46	45	44	93	20	5	10	0	0	F								10	120	9				49	42	33	54	34	6

### WEATHER CODES

- |                  |                     |                        |                  |
|------------------|---------------------|------------------------|------------------|
| * TORNADO        | ZL FREEZING DRIZZLE | IPW ICE PELLET SHOWERS | BN BLOWING SAND  |
| T THUNDERSTORM   | S SNOW              | A HAIL                 | BS BLOWING SNOW  |
| Q SQUALL         | SW SNOW SHOWERS     | F FOG                  | BY BLOWING SPRAY |
| R RAIN           | SG SNOW GRAINS      | IF ICE FOG             | K SMOKE          |
| RW RAIN SHOWERS  | SP SNOW PELLETS     | GF GROUND FOG          | H HAZE           |
| ZR FREEZING RAIN | IC ICE CRYSTALS     | BD BLOWING DUST        | D DUST           |
| L DRIZZLE        | IP ICE PELLETS      |                        |                  |

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).

OBSERVATIONS AT 3-HOUR INTERVALS

DEC 1984 13781  
WILMINGTON, DELAWARE

HOUR L.S.T.	VISI-BILITY				TEMPERATURE				WIND			WEATHER	TEMPERATURE				WIND													
	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	AIR OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)		CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	AIR OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)									
. DEC 19th																														
01	3	UNL	10		41	37	30	65	02	8	3	UNL	10		39	38	37	93	00	0	10	200	12		37	34	29	73	02	4
04	10	48	10		43	37	28	56	05	6	0	UNL	1		36	36	35	96	24	4	10	100	12		39	33	24	55	04	6
07	10	41	10		42	36	27	55	07	9	7	250	2	8	30	30	30	100	00	0	10	85	10		38	33	24	57	08	10
10	10	22	5		39	37	34	82	05	8	10	90	5		42	41	40	93	21	5	10	36	8		39	33	24	55	06	10
13	10	14	2	8	40	39	38	93	00	0	9	UNL	10		50	45	39	66	28	9	10	36	6	8	40	36	31	70	09	10
16	10	13	4		42	40	38	86	22	6	8	UNL	20		47	39	27	46	30	8	10	8	2	8	41	40	38	89	08	14
19	4	UNL	7		42	41	40	93	30	5	10	230	15		43	37	27	53	22	4	10	5	3	8	43	42	41	93	10	5
22	6	50	5		39	38	37	93	27	4	10	230	15		37	34	28	70	32	5	10	1	0	8	48	47	46	93	15	7
DEC 20th																														
DEC 21st																														
DEC 22nd																														
DEC 23rd																														
DEC 24th																														
DEC 25th																														
DEC 26th																														
DEC 27th																														
DEC 28th																														
DEC 29th																														
DEC 30th																														
DEC 31st																														

SUMMARY BY HOURS

HOUR L.S.T.	SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	AVERAGES				RESULTANT WIND		
			TEMPERATURE			REL HUMIDITY %	WIND SPEED (MPH)	DIRECTION	SPEED (MPH)
			AIR TEMP OF	WET BULB OF	DEN POINT OF				
01	6	30.060	39	37	33	79	5.6	30	0.9
04	6	30.070	39	37	33	80	7.0	30	2.0
07	7	30.090	38	36	32	80	6.5	32	1.6
10	8	30.120	43	40	35	74	8.6	31	2.8
13	8	30.070	48	43	36	65	10.1	30	5.3
16	7	30.060	47	42	34	62	9.3	29	3.3
19	7	30.090	43	39	34	72	6.3	27	1.9
22	7	30.090	41	38	33	76	6.7	29	1.2

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

DEC 1984 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	
01		0.01																						01	
02																								02	
03	T	0.02	0.07	0.04	0.03	0.01	0.04	T	T	0.01					0.01	0.07								03	
04																								04	
05																			T	T	0.01	0.16	0.13	0.10	05
06	0.14	0.17	0.07	0.11	0.03	T												T	T					06	
07																								07	
08																								08	
09																								09	
10																								10	
11																								11	
12																								12	
13		T	T	0.01	T					T														13	
14												T					T	T	T	T	T	T	T	14	
15	T	0.01	0.02	0.02	T																		0.01	15	
16																T	T	T	T	T	T	T	T	16	
17	T																							17	
18																								18	
19								0.08	0.04	T	T	0.03	0.03		T	T		T	T					19	
20																								20	
21													T	T	0.02	0.07	0.06	0.04	0.01	0.01	0.03	T	T	21	
22		0.01	0.07	T																				22	
23																								23	
24																								24	
25	0.01	0.01																	T	0.02	0.02	0.01	T	25	
26																								26	
27						0.01	0.01	0.02																27	
28																								28	
29																								29	
30																								30	
31						T	T	T	T	T	T	0.01	T	T	T	T	0.01	0.01	T	T			T	31	

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.04	0.05	0.06	0.08	0.10	0.14	0.19	0.24	0.27	0.31	0.34	0.41
ENDED: DATE	06	06	06	06	06	06	06	06	06	06	06	06
ENDED: TIME	0050	0055	0100	0105	0115	0130	0145	0205	0125	0245	0315	0345

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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