

LOCAL CLIMATOLOGICAL DATA

Monthly Summary



GREATER WILMINGTON AIRPORT

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

DEC 1992
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 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	PEAK GUST	DIRECTION	FATEST 1-MIN	DIRECTION	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	SKY COVER MIDNIGHT TO MIDNIGHT	
01	51	33	42	2	31	23	0	1	8	0	0.01	T	29.815	01	3.6	4.7	14	N	8	29			9	9
02	47	36	42	2	33	23	0		8	0	0	T	29.735	26	3.1	5.7	16	S	12	28			10	10
03	47	30	39	0	25	26	0			0	0.00	0	29.940	30	12.4	13.3	37	NW	24	31			3	3
04	42	28	35	-4	27	30	0	1		0	0.04	0	30.000	22	4.5	5.3	17	SW	14	20			10	9
05	40	31	36	-2	22	29	0	1		0	0.08	T	29.790	31	18.8	19.5	48	NW	29	32			6	5
06	38	25	32	-6	19	33	0			0	0.00	0	30.090	27	8.7	9.4	25	NW	16	32			9	7
07	41	34	38	0	24	27	0			0	0.00	0	29.885	30	12.0	12.9	30	NW	21	30			9	10
08	43	30	37	0	20	28	0			0	0.00	0	30.090	33	8.2	10.1	25	N	16	33			9	9
09	38	24	31	-6	15	34	0			0	0.00	0	30.300	02	5.4	6.3	17	N	12	01			0	2
10	48	28	38	1	31	27	0	1	4	0	1.15	T	29.910	08	14.0	14.4	45	E	25	07			10	10
11	53	42	48	11	44	17	0	1		0	1.50	0	29.245	05	19.9	20.4	46	NE	32	05			10	10
12	44	37	41	5	36	24	0	1		0	0.06	T	29.740	01	17.0	17.5	31	N	28	05			10	10
13	45	35	40	4	32	25	0			0	0.00	0	30.120	03	12.2	13.5	30	N	20	02			10	8
14	42	27	35	-1	30	30	0			0	0.00	0	30.305	01	5.8	7.5	18	NW	15	03			9	6
15	37	24	31	-4	30	34	0	1		0	0.00	0	30.220	23	5.8	6.7	14	SW	10	24			8	6
16	47	35	41	6	39	24	0	1	8	0	0.02	0	30.090	20	4.9	5.4	17	SW	12	20			10	10
17	60	41	51	16	47	14	0	2		0	0.55	0	29.820	26	3.0	8.3	32	S	21	32			10	9
18	48	32	40	5	32	25	0			0	0.00	0	30.170	31	6.6	-7.7	25	NW	16	33			6	4
19	50	30	40	6	36	25	0			0	0.00	0	30.195	15	3.9	5.0	15	S	10	17			10	8
20	50	32	41	7	37	24	0	1		0	0.23	0	29.890	28	7.7	10.4	31	NW	21	31			10	9
21	39	26	33	-1	24	32	0			0	0.00	0	30.230	22	1.5	5.8	15	W	9	17			8	4
22	53	32	43	9	32	22	0			0	0.00	0	30.050	27	2.5	5.9	18	NW	15	32			4	4
23	48	30	39	5	40	26	0	1		0	0.12	0	29.915	22	3.9	5.1	14	NW	12	01			10	10
24	41	20	31	-2	14	34	0			0	0	T	30.130	31	14.0	16.3	49	NW	39	32			3	4
25	38	17*	28	-5	16	37	0			0	0	T	30.210	21	9.7	11.1	31	SW	21	22			9	7
26	39	21	30	-3	9	35	0			0	0.00	0	30.240	30	11.6	12.7	29	NW	20	31			2	3
27	33	18	26*	-7	15	39	0			0	0.00	0	30.670	07	3.1	5.5	12	S	8	19			0	1
28	44	31	38	5	37	27	0	1		0	0.15	0	30.490	04	7.2	7.7	16	E	14	06			10	10
29	50	41	46	13	46	19	0	2		0	0.08	0	30.310	02	5.0	5.7	13	NE	9	03			10	10
30	52	45	49	17	47	16	0	2		0	0.22	0	30.070	20	2.1	2.8	14	SW	9	23			10	10
31	67*	47	57*	25	52	8	0	2		0	0.00	0	29.845	24	6.4	7.1	23	NW	13	24			10	10
SUM	SUM	SUM	SUM	SUM	TOTAL	TOTAL		NUMBER OF DAYS			TOTAL	TOTAL			FOR THE MONTH:						TOTAL	%	SUM	SUM
1415	962				817	0		4	2.1	0.1	30.050	33	3.5	9.3	49	NW	39	32			FOR	244	227	
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.		PRECIPITATION			DEP.				DATE: 24	DATE: 24	POSSIBLE	MONTH	AVG.	AVG.				
45.6	31.0	38.3	2.8	30.3	-98	0		≥ .01 INCH.	13		0.67											7.9	7.3	
NUMBER OF DAYS						SEASON TO DATE		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES				GREATEST DEPTH ON GROUND OF										
						TOTAL	TOTAL	≥ 1.0 INCH						SNOW, ICE PELLETS OR ICE AND DATE										
MAXIMUM TEMP.		MINIMUM TEMP.		1765		923		THUNDERSTORMS		PRECIPITATION		SNOW, ICE PELLETS												
≥ 90°	≤ 32°	≤ 32°	≤ 0°	DEP.	DEP.	HEAVY FOG	4	2.33	10-11	0.1	25													
0	0	20	0	-50	-92	CLEAR	5	PARTLY CLOUDY	3	CLOUDY	23													

* 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. 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.

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

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

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OBSERVATIONS AT 3-HOUR INTERVALS

DEC 1992
WILMINGTON, DE

13781

HOUR	L. S. T.	VISI-BILITY				TEMPERATURE				WIND			SKY COVER (TENTHS)	VISI-BILITY				TEMPERATURE				WIND											
		SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		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	WEATHER	AIR OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)			
DEC 1st																																	
01	10	UNL	10			35	32	28	76	00	0	10	31	10			41	37	31	68	30	7	3	UNL	10			35	34	32	89	27	6
04	10	75	10			34	32	29	82	04	4	10	47	10			40	39	37	89	29	6	6	70	10			37	35	31	79	27	10
07	10	100	6		F	42	33	30	85	01	4	10	43	8			38	36	33	82	00	0	2	UNL	10			38	35	30	73	28	9
10	10	55	9		H	42	38	32	67	03	5	10	55	5			43	39	34	71	15	5	2	UNL	15			45	38	29	54	32	17
13	10	200	7			51	42	31	47	10	3	10	110	8		H	45	41	35	68	18	3	6	47	20			44	36	24	45	32	18
16	10	43	7		R	45	40	33	63	36	7	10	70	9			44	39	32	63	24	3	4	UNL	20			42	34	21	43	29	14
19	10	43	8			43	38	31	63	32	6	10	65	10			42	38	33	71	27	4	2	UNL	15			36	30	19	50	31	12
22	10	30	8		R	42	38	31	65	01	3	10	70	10			40	37	32	73	29	8	0	UNL	15			33	29	20	59	27	6
DEC 2nd																																	
DEC 3rd																																	
DEC 4th																																	
DEC 5th																																	
DEC 6th																																	
DEC 7th																																	
DEC 8th																																	
DEC 9th																																	
DEC 10th																																	
DEC 11th																																	
DEC 12th																																	
DEC 13th																																	
DEC 14th																																	
DEC 15th																																	
DEC 16th																																	
DEC 17th																																	
DEC 18th																																	

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.06	0.10	0.14	0.17	0.21	0.27	0.39	0.42	0.44	0.48	0.50	0.56
ENDED: DATE	11	10	11	11	11	11	10	11	11	11	11	11
ENDED: TIME	0002	2320	0002	0007	0007	0007	2359	0007	0041	0057	0057	0057

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.

OBSERVATIONS AT 3-HOUR INTERVALS

DEC 1992
WILMINGTON, DE 13781

HOUR L.S.T.	VISI-BILITY			TEMPERATURE				WIND			WEATHER	VISI-BILITY			TEMPERATURE				WIND																
	SKY COVER (TENTHS)	CELLING IN HUNDREDS OF FEET	WHOLE MILES	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)		CELLING IN HUNDREDS OF FEET	WHOLE MILES	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)	CELLING IN HUNDREDS OF FEET	WHOLE MILES	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)							
																													16THS MILE	16THS MILE	16THS MILE	16THS MILE	16THS MILE	16THS MILE	16THS MILE
DEC 19th												DEC 20th												DEC 21st											
01	0	UNL	12	31	31	30	96	00	0	10	200	7		42	42	42	100	00	0	0	UNL	20		33	28	19	56	28	7						
04	0	UNL	15	34	31	26	73	05	4	10	95	7		46	45	43	89	19	10	0	UNL	20		28	25	18	66	30	7						
07	10	UNL	20	34	32	29	82	00	0	10	55	4	RF	45	45	44	96	24	4	1	UNL	20		28	25	20	72	29	5						
10	10	250	12	38	36	33	82	14	5	10	7	3	RF	45	45	45	100	22	8	10	UNL	15		34	30	27	67	35	4						
13	10	230	15	48	44	39	71	16	8	10	100	5	F	48	47	46	93	24	6	10	UNL	15		37	33	27	67	15	6						
16	10	200	15	47	44	41	80	15	7	10	200	15		48	42	33	56	31	13	4	UNL	15		36	32	24	62	16	3						
19	10	48	12	46	44	42	86	00	0	10	150	15		43	36	25	49	31	18	0	UNL	15		34	31	26	73	15	6						
22	10	45	12	46	45	44	93	15	5	3	UNL	15		37	31	21	52	31	13	7	120	12		33	31	27	79	18	7						
DEC 22nd												DEC 23rd												DEC 24th											
01	10	95	12	37	35	33	86	19	8	9	140	9		32	32	31	96	25	3	10	180	9		35	34	33	92	22	4						
04	10	100	12	37	35	31	79	19	8	10	40	8		38	37	36	93	12	4	8	200	10		37	35	33	86	23	6						
07	9	65	15	36	34	32	85	19	4	10	9	3	RF	42	41	40	93	17	7	10	55	9		41	37	31	68	32	16						
10	1	UNL	12	41	38	33	73	25	6	10	3	1	F	44	44	43	96	19	6	1	UNL	20		32	25	10	40	32	34						
13	10	250	12	51	44	35	55	32	13	10	5	3	F	47	47	46	96	25	7	4	UNL	20		30	24	8	39	32	25						
16	2	UNL	15	50	43	33	52	35	8	10	120	2	F	47	47	46	96	26	6	1	UNL	15		28	21	-1	28	34	23						
19	0	UNL	15	43	38	32	65	00	0	10	120	3	F	44	44	43	96	23	5	0	UNL	15		24	18	-1	33	34	10						
22	0	UNL	15	34	33	31	89	01	3	10	250	10		41	38	33	73	00	0	0	UNL	15		22	18	5	48	22	5						
DEC 25th												DEC 26th												DEC 27th											
01	0	UNL	15	20	17	9	62	27	6	10	140	15		38	31	19	46	23	9	0	UNL	15		20	17	6	54	33	7						
04	0	UNL	15	20	17	9	62	24	3	6	200	15		35	30	20	54	26	14	0	UNL	15		20	17	8	60	01	5						
07	0	UNL	15	22	20	14	71	16	6	10	200	15		34	26	6	31	30	14	0	UNL	15		19	17	11	71	04	5						
10	10	250	20	28	24	13	53	19	13	2	UNL	20		34	27	12	40	30	11	0	UNL	20		26	22	11	53	09	6						
13	8	250	20	34	28	16	48	20	15	0	UNL	20		35	26	4	27	32	13	0	UNL	20		33	27	15	48	15	5						
16	10	120	20	36	29	14	40	22	12	0	UNL	20		32	24	3	29	30	12	0	UNL	20		33	29	21	61	14	6						
19	10	85	15	32	31	28	85	21	16	0	UNL	15		28	22	5	37	31	12	0	UNL	15		29	27	23	78	00	0						
22	10	55	15	36	32	26	67	24	5	0	UNL	15		25	20	5	42	33	11	9	60	15		30	27	22	72	06	5						
DEC 28th												DEC 29th												DEC 30th											
01	10	20	12	32	31	28	85	03	5	10	0	0	4	F	42	42	41	96	36	7	10	1	0	2	F	47	47	47	100	00	0				
04	10	16	8	33	32	31	92	04	7	10	0	0	2	F	44	44	44	100	03	8	10	3	1	8	RF	46	46	45	96	00	0				
07	10	15	5	35	34	33	92	05	10	10	3	0	8	F	43	43	43	100	02	5	10	47	2	8	RF	45	45	45	100	00	0				
10	10	12	2	38	37	36	93	04	6	10	1	0	4	LF	46	46	46	100	02	6	10	40	2	8	RF	48	48	47	96	00	0				
13	10	4	1	40	40	39	96	07	7	10	2	0	6	F	48	48	47	96	04	6	10	43	2	8	F	51	50	49	93	21	4				
16	10	22	2	42	41	40	93	05	9	10	5	0	6	LF	50	50	49	96	01	5	10	110	2	8	F	52	51	50	93	15	3				
19	10	75	1	42	42	41	96	02	4	10	4	0	8	LF	49	49	49	100	00	0	10	3	0	8	F	48	48	47	96	17	7				
22	10	3	1	42	42	41	96	01	5	10	1	0	2	F	47	47	47	100	00	0	10	3	1	4	F	47	47	47	100	17	4				
DEC 31st																																			
01	10	1	0	48	48	48	100	24	6																										
04	10	0	0	49	49	49	100	26	5																										
07	10	3	0	49	49	49	100	25	3																										
10	10	140	3	53	52	51	93	24	6																										
13	10	220	10	64	58	54	70	24	9																										
16	10	140	12	64	59	55	73	22	8																										
19	10	110	10	61	58	55	81	23	7																										
22	10	120	10	59	56	54	84	24	7																										

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	DEW POINT OF				
01	7	30.050	36	34	30	80	7.5	33	2.6
04	7	30.040	36	34	30	79	8.4	34	2.3
07	7	30.050	36	34	30	80	8.1	33	2.4
10	8	30.080	39	36	31	73	11.1	33	4.7
13	8	30.030	43	38	32	68	11.9	32	4.3
16	8	30.030	43	38	31	66	10.8	32	4.3
19	7	30.050	40	36	31	72	9.1	32	3.8
22	7	30.060	38	35	30	75	8.1	34	2.9

WEATHER CODES

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

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
 IMPH=KNOTS X 1.151.

