

MAY 1992  
WILMINGTON, DE  
NAT'L WEA SER OFF  
AIRPORT TERMINAL BLDG

ISSN 0198-117X

# LOCAL CLIMATOLOGICAL DATA Monthly Summary



GREATER WILMINGTON AIRPORT

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

MAY 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 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	PEAK GUST		FASTEST 1-MIN	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	70	51	61	4	49	4	0	1	0	0.00	0.0	29.930	25	3.1	6.9	17	SW	12	17			7	8	
02	84	58	71	13	56	0	0	3	0	0	0	29.680	22	12.9	13.8	32	SW	20	22			6	7	
03	76	59	68	10	50	0	6	6	0	T	0	29.630	31	12.3	13.0	31	NW	22	29			4	5	
04	62	46	54	-4	42	11	0	0	0	0.00	0.0	29.730	33	7.1	7.5	25	NW	15	32			8	5	
05	54	43	49*	-10	42	16	0	0	0	T	0	29.925	09	6.6	7.8	18	E	14	08			10	9	
06	61	43	52	-7	37	13	0	0	0	0.00	0.0	30.210	06	10.0	10.5	24	NE	16	06			4	3	
07	57	43	50	-9	32	15	0	0	0	T	0	30.280	05	14.9	15.3	31	NE	21	06			10	9	
08	57	45	51	-9	50	14	0	1 3	0	2.15	0.0	29.990	05	15.7	15.9	35	NE	23	06			10	10	
09	65	53	59	-1	54	6	0	0	0	0.07	0.0	29.910	16	6.9	8.3	22	SE	13	15			9	9	
10	70	51	61	1	53	4	0	1 2	0	T	0	29.970	35	6.4	7.3	23	N	16	36			9	8	
11	73	51	62	1	53	3	0	0 1	8	0	0.00	30.120	06	7.0	8.1	23	E	13	09			2	2	
12	74	43	59	-2	52	6	0	0	0	0.00	0.0	29.990	07	4.0	7.1	18	NE	10	17			1	3	
13	76	58	67	6	58	0	2	1 8	0	T	0	29.750	14	1.9	4.5	10	SW	9	06			8	8	
14	78	58	68	6	51	0	3	1	0	0.00	0.0	29.850	33	6.9	8.6	21	N	16	34			4	5	
15	71	54	63	1	53	2	0	1 8	0	0.30	0.0	30.110	09	7.8	8.8	16	E	13	11			10	9	
16	58	54	56	-6	56	9	0	0 1	0	0.06	0.0	30.270	06	7.9	8.2	16	E	12	05			10	10	
17	70	54	62	-1	56	3	0	0 1	0	0.00	0.0	30.260	14	5.3	7.8	16	S	13	15			7	8	
18	76	56	66	3	62	0	1	1 8	0	0.27	0.0	30.070	33	1.6	7.0	23	NE	17	01			10	10	
19	73	50	62	-1	45	3	0	0	0	0.00	0.0	30.300	07	9.7	10.7	26	NE	15	05			3	3	
20	77	41	59	-4	41	6	0	0	0	0.00	0.0	30.340	05	3.1	6.9	16	NE	13	03			0	0	
21	85	41*	63	-1	43	2	0	0	0	0.00	0.0	30.280	30	3.6	5.0	12	SW	8	25			0	0	
22	91	55	73	9	47	0	8	0	0	0.00	0.0	30.090	30	5.8	6.6	14	NW	9	26			1	2	
23	93*	60	77*	13	52	0	12	0	0	0.00	0.0	29.865	29	3.7	4.0	13	NW	7	29			2	1	
24	87	49	68	3	57	0	3	1 8	0	0.05	0.0	29.730	35	8.1	9.4	28	N	20	34			5	5	
25	57	45	51	-14	47	14	0	0 1	0	0.02	0.0	29.920	04	5.8	8.0	21	N	15	03			10	10	
26	54	49	52	-13	49	13	0	0 1	0	0.22	0.0	29.900	12	4.0	5.1	14	S	9	10			10	10	
27	67	47	57	-9	47	8	0	0	0	0.00	0.0	29.870	31	3.3	5.5	22	W	15	28			9	7	
28	73	42	58	-8	43	7	0	0	0	0.00	0.0	30.030	30	5.4	6.9	17	SW	9	34			3	2	
29	76	48	62	-4	46	3	0	0 1	0	0.00	0.0	30.165	12	3.1	6.3	21	E	14	07			8	7	
30	63	53	58	-9	54	7	0	0 1	0	0.34	0.0	30.130	13	7.3	7.8	20	E	13	10			10	9	
31	73	58	66	-1	62	0	1	1	0	1.00	0.0	29.850	13	3.4	7.3	24	E	16	08			9	8	
SUM	SUM					TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL	FOR THE MONTH:				TOTAL	%	SUM	SUM					
2201	1558					169	39			4.48	0.0	30.005	04	2.4	8.3	35	NE	23	06			FOR	199	192
AVG.	AVG.	AVG.	DEP.	AVG.	AVG.	DEP.	DEP.	PRECIPITATION		DEP.						DATE: 8	DATE: 8	POSSIBLE	MONTH	AVG.	AVG.			
71.0	50.3	60.7	-1.5	49.5		39	-4	2.01 INCH.	10	1.25												6.4	6.2	
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.				4625	42	THUNDERSTORMS	1	PRECIPITATION	SNOW, ICE PELLETS													
≥ 90°		≤ 32°		≤ 0°		DEP.	DEP.	HEAVY FOG	1	2.15	08													
2		0		0		-355	-1	CLEAR	8	PARTLY CLOUDY	7	CLOUDY 16												

\* 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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CLIMATIC DATA CENTER  
ASHEVILLE NORTH CAROLINA

*Kenneth D. Hadden*  
DIRECTOR  
NATIONAL CLIMATIC DATA CENTER



# OBSERVATIONS AT 3-HOUR INTERVALS

MAY 1992 13781  
WILMINGTON, DE

HOUR L.S.T.	VISI-BILITY				TEMPERATURE				WIND			SKY COVER (TENTHS)	VISI-BILITY				TEMPERATURE				WIND										
	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	CEILING IN HUNDREDS OF FEET		WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)
MAY 19th																															
01	9	65	10		66	58	51	59	05	8	0	UNL	12		48	44	40	74	36	4	0	UNL	15			46	44	42	86	34	4
04	5	UNL	10		61	52	44	54	04	10	0	UNL	12		42	41	39	89	34	5	0	UNL	12			41	40	38	89	32	4
07	8	UNL	15		60	53	46	60	07	12	0	UNL	15		52	47	42	69	35	5	0	UNL	15			54	48	42	64	33	3
10	5	UNL	15		67	59	53	61	09	11	0	UNL	15		63	50	37	38	04	10	0	UNL	13			74	59	47	38	03	3
13	1	UNL	15		72	61	52	50	08	9	0	UNL	15		72	55	39	30	09	7	0	UNL	15			82	58	36	19	25	5
16	0	UNL	15		71	55	39	31	03	6	0	UNL	15		77	57	38	25	12	7	0	UNL	15			85	60	39	20	27	4
19	0	UNL	15		64	52	39	40	11	10	0	UNL	15		67	55	44	44	17	5	0	UNL	15			74	59	46	37	25	7
22	0	UNL	15		54	47	40	59	10	6	0	UNL	15		55	48	41	60	33	4	0	UNL	15			63	54	47	56	28	5
MAY 20th																															
MAY 21st																															
MAY 22nd																															
MAY 23rd																															
MAY 24th																															
MAY 25th																															
MAY 26th																															
MAY 27th																															
MAY 28th																															
MAY 29th																															
MAY 30th																															
MAY 31st																															

## 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 (MPH=KNOTS X 1.15).

## SUMMARY BY HOURS

HOUR L.S.T.	SKY COVER (TENTHS)	AVERAGES					RESULTANT WIND		
		STATION PRESSURE (INCHES)	TEMPERATURE			WIND SPEED (MPH)	DIRECTION	SPEED (MPH)	
			AIR TEMP OF	WET BULB OF	DEW POINT OF				
01	6	30.000	55	52	49	81	6.5	05	2.0
04	6	29.990	53	50	48	86	7.6	02	3.1
07	7	30.030	56	53	49	78	8.8	03	4.0
10	6	30.035	64	56	50	65	9.0	04	3.0
13	7	30.010	68	59	51	60	8.4	02	2.3
16	7	29.980	68	58	50	57	10.1	04	1.6
19	6	29.990	63	56	50	65	8.5	11	3.1
22	5	30.010	57	53	49	76	7.2	06	1.4

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MAY 1992 13781  
 WILMINGTON, DE  
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HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

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																							T		02	
03	T	T		T																					03	
04																									04	
05												T		T	T	T									05	
06																									06	
07																						T	T		07	
08	T	T	T	0.02	0.02	T	0.03	0.07	0.19	0.40	0.36	0.17	0.09	0.11	0.58		0.10	T	0.01	T	T	T	T	08		
09	T	T	T	0.01	T	T	T	T	T			T	T	T					T	T	0.05	T	0.01		09	
10																									10	
11																									11	
12																									12	
13				T	T	T	T																		13	
14																									14	
15								T	T				T						0.01	0.16	0.08	0.04	0.01		15	
16	T	T	T				0.01	T	0.03	0.01								T	T	T	T	0.01			16	
17																									17	
18															T	0.27	T								18	
19																									19	
20																									20	
21																									21	
22																									22	
23																									23	
24																									24	
25	T	0.02	T	T	T			T	T	T									T	T	0.01	0.02	T	0.02	25	
26										T	0.01	0.06	0.05	0.02	0.03	0.03	0.02	T							26	
27																									27	
28																									28	
29																									29	
30									T			T	T	0.01	0.01	0.01	0.03	0.05	0.07	0.04	0.04	0.02	0.01	0.03	0.02	30
31	0.02	0.03	0.01	0.03	0.06	0.42	0.17	0.18	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0.03	0.05	T							31	