

MAY 1993  
WILMINGTON, DE  
NAT'L WEA SER OFC  
AIRPORT TERMINAL BLDG

ISSN 0198-117X



# LOCAL CLIMATOLOGICAL DATA

## Monthly Summary

INQUIRIES/COMMENTS CALL  
(704) 271-4800

GREATER WILMINGTON AIRPORT

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

MAY 1993  
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	FASTEST 1-MIN	MINUTES	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	79	51	65	8	53	0	0	1	0	0.00	0.0	30.050	17	3.2	3.5	12	S	9	18			3	2
02	82	54	68	10	50	0	3	0	0	0.00	0.0	30.140	12	3.2	7.0	18	S	14	17			4	4
03	72	53	63	5	53	2	0	1	8	0.00	0.0	30.280	11	6.8	8.7	20	S	14	17			5	6
04	70	53	62	4	57	3	0	1	8	0.00	0.0	30.185	12	4.5	6.4	15	S	10	16			9	10
05	70	60	65	6	63	0	0	1	0	0.20	0.0	30.030	17	6.6	7.5	18	S	13	18			10	10
06	78	59	69	10	58	0	4	2	8	0	0.0	29.930	31	6.1	7.3	22	NW	14	33			3	4
07	78	58	68	9	49	0	3	0	0	0.00	0.0	30.020	07	2.7	6.5	18	NE	12	16			6	6
08	75	50	63	3	50	2	0	0	0	0.00	0.0	30.150	16	5.3	5.7	16	S	13	17			5	4
09	81	54	68	8	56	0	3	1	0	0.00	0.0	30.100	21	3.7	4.8	17	W	13	26			1	3
10	87	58	73	12	59	0	8	0	0	0.00	0.0	30.050	18	3.2	4.4	15	SE	9	16			4	3
11	87	60	74	13	62	0	9	1	8	0.00	0.0	29.810	24	7.3	7.7	24	SW	15	23			0	0
12	82	62	72	11	54	0	7	1	3	0.34	0.0	29.570	26	5.9	7.7	22	SW	14	24			8	7
13	66	52	59	-3	53	6	0	1	0	0.02	0.0	29.570	36	4.5	6.9	23	N	15	01			10	9
14	73	50	62	0	45	3	0	0	0	0.00	0.0	29.680	02	2.8	6.7	16	N	12	03			3	3
15	81	53	67	5	56	0	2	1	0	0.00	0.0	29.710	20	7.1	7.6	22	S	18	21			0	0
16	83	61	72	10	60	0	7	1	3	0.40	0.0	29.750	26	3.3	4.9	35	NW	28	32			6	5
17	71	53	62	-1	49	3	0	1	0	0.00	0.0	29.860	35	3.1	6.5	21	N	15	01			4	4
18	62	53	58	-5	54	7	0	1	3	0.33	0.0	29.785	09	4.2	5.1	17	E	10	10			10	10
19	63	53	58	-6	55	7	0	1	0	0.05	0.0	29.630	35	1.3	3.0	10	NE	7	24			10	10
20	64	49	57	-7	52	8	0	1	0	0.02	0.0	29.650	34	4.1	4.6	16	N	14	36			10	9
21	68	44*	56*	-8	40	9	0	0	0	0.00	0.0	29.780	32	5.5	6.6	21	NW	12	34			4	3
22	71	47	59	-6	43	6	0	0	0	0.00	0.0	29.880	33	7.4	8.0	28	NW	14	35			4	4
23	74	47	61	-4	45	4	0	0	0	0.00	0.0	29.975	26	4.4	7.0	21	W	13	23			7	6
24	82	60	71	6	57	0	6	1	0	0.00	0.0	29.890	21	7.8	8.5	20	SW	14	21			8	8
25	85	66	76*	11	60	0	11	0	0	0.00	0.0	29.870	25	8.5	10.4	29	SW	16	22			6	8
26	75	58	67	1	47	0	2	0	0	0.00	0.0	29.985	31	7.4	8.1			14	34			4	4
27	79	55	67	1	45	0	2	0	0	0.00	0.0	30.020	30	7.3	8.2	33	W	18	32			6	5
28	87*	60	74	8	58	0	9	0	0	0.00	0.0	29.910	23	8.2	8.6	24	SW	16	25			3	5
29	76	57	67	0	50	0	2	0	8	0.01	0.0	29.900	34	7.4	9.8	25	N	18	33			6	6
30	76	46	61	-6	39	4	0	0	0	0.00	0.0	29.990	31	2.2	4.3	14	W	9	04			5	5
31	75	56	66	-2	54	0	1	1	3	2.58	0.0	29.710	18	5.6	6.7	30		16	29			10	9
SUM	SUM	SUM	SUM	SUM	SUM	TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL	29.900	26	1.7	6.7	35	NH	28	32	TOTAL	%	SUM	SUM
2352	1692					64	79			3.95	0.0									FOR	174	172	
AVG.	AVG.	AVG.	AVG.	AVG.	AVG.	DEP.	DEP.	PRECIPITATION		DEP.							DATE:16	DATE:16	POSSIBLE	MONTH	AVG.	AVG.	
75.9	54.6	65.3	2.8	52.4	-66	35	35	2.01 INCH.	9	0.11											5.6	5.5	
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.		4776		80		THUNDERSTORMS	4		PRECIPITATION	SNOW, ICE PELLETS		0									
≥ 90°		≤ 32°		≤ 32°		≤ 0°		HEAVY FOG	1		2.58	31		0.0									
0		0		0		-204		CLEAR	7		PARTLY CLOUDY	15		CLOUDY 9									

\* 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

*Kenneth D. Wadsworth*  
DIRECTOR  
NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

MAY 1993  
WILMINGTON, DE 13781

HOUR L.S.T.	VISI-BILITY				TEMPERATURE				WIND				VISI-BILITY				TEMPERATURE				WIND																																
	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW 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	DEW 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	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)																				
MAY 1st																		MAY 2nd																		MAY 3rd																	
01	2	UNL	7			53	52	51	93	00	0	0	UNL	10			58	55	52	81	25	6	2	UNL	15				57	53	49	75	09	7																			
04	2	UNL	7			52	51	50	93	15	3	0	UNL	7			55	52	49	80	00	0	10	6	5		F	53	51	50	90	07	9																				
07	0	UNL	7			56	54	52	87	00	0	4	UNL	15			64	54	44	48	06	6	10	7	5		F	54	52	51	90	07	6																				
10	0	UNL	15			71	59	50	48	00	0	0	UNL	15			72	59	48	43	07	5	2	UNL	8			64	57	52	65	10	7																				
13	0	UNL	15			75	61	51	43	13	4	0	UNL	15			79	63	51	38	09	6	0	UNL	15			71	61	53	53	16	8																				
16	6	UNL	12			78	63	53	42	18	8	8	UNL	15			73	61	53	50	16	12	10	UNL	15			70	61	55	59	17	10																				
19	6	UNL	12			67	60	55	66	16	5	5	UNL	12			62	58	55	78	17	8	10	UNL	10			64	57	52	65	12	7																				
22	0	UNL	10			61	59	57	87	18	3	10	140	15			62	55	48	60	08	7	10	16	12			59	56	53	81	10	6																				
MAY 4th																		MAY 5th																		MAY 6th																	
01	10	3	5			56	55	54	93	09	5	10	4	7			61	60	59	93	13	6	8	15	8			65	64	63	93	23	4																				
04	10	2	1	12		54	54	53	96	09	6	10	5	6		F	61	60	59	93	13	7	10	0	0	1	F	61	61	61	100	23	3																				
07	10	2	1			54	54	53	96	06	5	10	5	8			62	61	60	93	17	7	1	UNL	3		F	63	62	61	93	28	6																				
10	10	7	5			61	58	55	81	06	7	10	6	4		RWF	64	63	62	93	18	7	2	UNL	8			73	64	58	60	33	9																				
13	10	14	8			67	62	59	76	08	5	10	3	1		LF	65	64	64	97	17	7	7	60	8			75	65	58	56	33	12																				
16	10	65	6		H	68	64	62	81	19	5	10	19	10			70	67	65	84	17	7	1	UNL	12			77	63	54	45	34	9																				
19	6	140	7			66	63	61	84	19	5	10	110	7			68	66	64	87	22	7	0	UNL	15			71	61	53	53	30	4																				
22	10	9	7			63	61	60	90	16	9	10	13	7		RW	66	65	64	93	18	5	2	UNL	15			63	58	54	73	00	0																				
MAY 7th																		MAY 8th																		MAY 9th																	
01	4	UNL	15			59	56	54	84	33	3	0	UNL	15			56	52	48	75	00	0	10	UNL	10			57	55	54	90	17	3																				
04	10	UNL	15			63	55	48	58	06	6	0	UNL	15			51	50	48	90	00	0	10	UNL	10			55	53	52	90	00	0																				
07	2	UNL	15			64	57	51	63	04	7	0	UNL	15			58	53	49	72	12	4	1	UNL	7			60	57	55	84	00	0																				
10	8	UNL	15			71	59	50	48	06	7	5	UNL	15			69	57	47	46	00	0	0	UNL	15			73	62	55	53	25	8																				
13	10	UNL	15			77	62	50	39	00	0	6	UNL	15			73	60	50	45	14	6	3	UNL	15			79	66	57	47	29	4																				
16	7	UNL	15			77	62	52	42	30	8	10	UNL	15			71	62	55	57	18	10	2	UNL	12			80	68	61	52	18	7																				
19	3	UNL	15			64	56	50	61	16	8	10	UNL	15			62	57	53	73	16	9	0	UNL	10			70	61	55	59	16	7																				
22	0	UNL	15			60	52	45	58	14	3	7	UNL	10			59	57	56	90	18	5	0	UNL	12			65	61	58	78	00	0																				
MAY 10th																		MAY 11th																		MAY 12th																	
01	0	UNL	12			63	60	58	84	00	0	0	UNL	8			62	61	60	93	00	0	0	UNL	10			69	59	52	55	31	6																				
04	2	UNL	10			59	57	56	90	00	0	0	UNL	5			60	59	58	93	00	0	5	UNL	12			68	59	52	57	26	4																				
07	0	UNL	12			64	59	56	75	27	3	0	UNL	5		F	66	62	59	78	26	4	9	UNL	10			71	62	56	59	30	6																				
10	8	UNL	9			79	68	62	56	23	5	0	UNL	7			79	70	65	62	26	8	4	UNL	15			78	60	46	32	30	9																				
13	8	80	8			82	70	63	53	16	6	0	UNL	5		H	84	72	66	55	24	12	8	UNL	15			82	63	49	32	25	5																				
16	6	70	8			85	68	57	39	26	6	1	UNL	5		H	87	71	63	45	24	11	10	190	12			80	65	55	42	22	5																				
19	3	UNL	8			72	65	60	66	15	6	1	UNL	8			80	70	64	58	22	6	10	75	5		TRWF	64	62	61	90	33	11																				
22	0	UNL	8			66	63	61	84	16	5	0	UNL	8			74	68	64	71	25	6	10	UNL	10			62	61	60	93	24	6																				
MAY 13th																		MAY 14th																		MAY 15th																	
01	10	4	3			63	62	62	97	24	5	6	UNL	12			50	49	48	93	35	5	0	UNL	5		F	56	55	54	93	19	3																				
04	10	32	4			64	63	62	93	26	8	8	UNL	15			51	46	41	69	02	8	0	UNL	7			54	52	51	90	00	0																				
07	10	41	3			65	63	61	87	36	9	1	UNL	15			57	49	41	55	36	6	0	UNL	7			59	56	54	84	21	4																				
10	10	250	10			66	57	49	55	02	7	4	UNL	15			65	53	41	42	03	5	0	UNL	10			73	63	57	57	22	6																				
13	10	35	12			63	56	51	65	01	13	6	UNL	15			71	56	42	35	15	5	0	UNL	12			79	63	51	38	21	10																				
16	10	250	15			64	55	48	56	01	4	1	UNL	20			72	57	43	35	33	5	4	UNL	15			80	64	54	41	20	12																				
19	9	250	15			60	54	48	65	02	3	0	UNL	15			67	54	43	42	00	0	0	UNL	15			75	65	59	58	18	8																				
22	5	UNL	15			57	53	49	75	00	0	0	UNL	15			60	57	55	84	16	8	0	UNL	12			69	65	62	79	19	5																				
MAY 16th																		MAY 17th																		MAY 18th																	
01	0	UNL	12			66	63	61	84	22	4	10	30	2		F	61	60	60	97	32	3	5	UNL	4		F	56	55	55	97	00	0																				
04	1	UNL	12			65	62	60	84	23	8	6	85	12			57	54	52	84	01	9	10	90	4		F	57	56	55	93	00	0																				
07	3	UNL	6			69	64	61	76	24	7	0	UNL	15			57	51	46	67	36	7	10	70	3		F	58	56	55	90	00	0																				
10	2	UNL	12			78	65	57	49	34	5	2	UNL	15			64	54	44	48	01	10	10	65	4		RF	62	59	56	81	11	4																				
13	5	UNL	12			80	65	56	44	00	0	2	UNL	15			69	56	45	42	28	4	10	45	4		RF	56	54	53	90	11	7																				
16	10	39	7			66	63	61	84	20	4	7	UNL	15			71	56	43	37	28	7	10	5	2		LF	54	54	53	96	05	8																				
19	10	85	6			63	61	60	90	23	3	10	UNL	15			66	53	41	40	36	6	10	11	2		LF	54	54	53	96	06	5																				
22	10	80	4			63	62	62	97	00	0	2	UNL	12			60	58	57	90	15	5	10	10	7		LF	54	53	52	93	08	6																				

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.57	0.92	1.18	1.35	1.56	1.59	1.60	1.62	1.89	1.97	1.97	2.02
ENDED: DATE	31	31	31	31	31	31	31	31	31	31	31	31
ENDED: TIME	2002	2002	2002	2006	2016	2016	2016	2016	2016	2016	2016	2059

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

MAY 1993  
WILMINGTON, DE 13781

HOUR L.S.T.	VIST-BILITY			WEATHER	TEMPERATURE				WIND			SKY COVER (TENTHS)	VIST-BILITY			WEATHER	TEMPERATURE				WIND										
	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE		AIR of	WET BULB of	DEW POINT of	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	CEILING IN HUNDREDS OF FEET		WHOLE MILES	16THS MILE	AIR of		WET BULB of	DEW POINT of	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)										
MAY 19th																															
01	10	5	5	F	53	53	52	96	07	5	10	90	1	8	F	56	55	55	97	04	3	0	UNL	7		47	45	43	86	30	5
04	10	3	2	LF	54	54	53	96	02	4	10	4	1	8	F	57	56	56	97	00	0	0	UNL	8		46	43	40	80	33	9
07	10	4	3	F	56	55	54	93	00	0	10	6	1		F	58	57	56	93	00	0	0	UNL	15		54	48	42	64	35	4
10	10	6	6	F	59	57	55	87	00	0	10	16	2		RF	58	57	56	93	30	5	2	UNL	20		63	52	40	43	36	6
13	10	20	7	F	62	58	54	75	24	6	10	20	4			57	55	53	87	35	10	5	UNL	20		66	51	36	33	31	8
16	10	28	7	F	61	58	56	84	00	0	7	45	7			63	56	50	63	36	10	7	UNL	15		67	53	38	35	33	7
19	10	55	4	F	60	58	57	90	00	0	10	UNL	10			60	53	47	62	00	0	8	UNL	15		63	50	36	37	00	0
22	10	12	2	F	59	58	57	93	35	3	8	UNL	8			53	50	48	83	27	3	11	UNL	15		55	49	42	62	24	4
MAY 20th																															
MAY 21st																															
MAY 22nd																															
MAY 23rd																															
MAY 24th																															
MAY 25th																															
MAY 26th																															
MAY 27th																															
MAY 28th																															
MAY 29th																															
MAY 30th																															
MAY 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	DEW POINT of				
01	5	29.900	59	56	53	81	4.5	29	0.9
04	6	29.900	57	54	52	82	4.5	32	1.1
07	5	29.930	61	57	52	74	5.7	32	1.9
10	6	29.930	69	59	51	55	7.6	32	2.3
13	5	29.900	73	61	51	49	8.6	27	2.6
16	6	29.870	74	61	52	50	9.2	24	4.0
19	6	29.870	67	59	53	62	6.3	20	2.5
22	5	29.890	63	58	54	75	5.2	19	2.4

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).

