

MAY 1990
WILMINGTON, DE
NAT'L WEA SER OFC
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 1990
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	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT		
01	76	56	66	9	56	0	1	1	8	0	0.00	0.0	29.830	27	4.6	8.8	25	SW	14	30			9	9
02	68	57	63	5	37	2	0	0	0	0.00	0.0	30.055	32	10.7	11.7	24	NW	23	32			9	9	
03	60	52	56	-2	38	9	0	0	0	0.01	0.0	30.280	13	3.8	7.5	16	SE	13	07			10	10	
04	57	50	54	-4	46	11	0	1	8	0	0.25	0.0	30.070	10	7.3	9.2	23	SE	17	12			10	10
05	76	49	63	4	51	2	0	1	3	0	0.42	0.0	29.540	31	8.5	11.1	32	NW	25	32			10	10
06	68	48	58	-1	40	7	0	0	0	0	0	29.720	31	9.6	11.4	23	NW	18	35			5	6	
07	72	48	60	1	41	5	0	0	0	0.00	0.0	29.850	27	9.2	11.4	25	NW	16	24			2	2	
08	81	57	69	9	49	0	4	0	0	0.00	0.0	29.950	24	9.5	10.6	25	W	15	21			1	3	
09	81	56	69	9	55	0	4	0	0	0.02	0.0	29.910	20	8.5	10.0	33	S	21	23			10	10	
10	68	56	62	2	59	3	0	1	8	0	1.51	0.0	29.570	18	10.3	12.8	47	SW	23	16			10	10
11	68	50	59	-2	37	6	0	0	0	0.00	0.0	29.830	27	13.2	14.9	37	W	23	26			3	2	
12	60	40*	50*	-11	38	15	0	0	0	0	0	30.190	14	5.7	9.4	22	S	17	16			10	8	
13	71	54	63	2	59	2	0	1	3	0	0.79	0.0	29.855	20	8.9	10.7	30	S	20	20			10	9
14	77	53	65	3	51	0	0	1	0	0.00	0.0	30.020	32	1.7	9.2	26	S	17	16			3	3	
15	72	49	61	-1	52	4	0	0	0	0.00	0.0	30.090	16	6.7	7.9	21	SE	15	16			9	8	
16	78	61	70	8	63	0	5	1	3	8	0.04	0.0	29.870	17	6.4	7.3	18	SW	12	22			10	10
17	83*	63	73*	10	61	0	8	1	3	8	0.23	0.0	29.640	24	8.1	9.9	47	NW	23	30			8	7
18	72	52	62	-1	42	3	0	0	0	0.01	0.0	29.740	28	9.1	10.3	35	W	20	28			4	3	
19	76	50	63	0	44	2	0	0	0	0.00	0.0	29.860	28	9.7	10.2	29	NW	22	28			4	4	
20	75	56	66	3	52	0	1	0	0	0.01	0.0	29.800	07	10.1	11.0	24	NE	16	05			10	10	
21	56	51	54	-10	49	11	0	1	8	0	0.19	0.0	29.795	04	10.7	11.1	22	NE	16	05			10	10
22	65	49	57	-7	44	8	0	0	0	0.00	0.0	29.900	04	4.3	7.1	18	N	13	01			9	10	
23	69	45	57	-7	44	8	0	1	0	0.00	0.0	29.870	33	6.2	7.3	18	N	13	34			7	7	
24	73	51	62	-3	48	3	0	0	0	0.00	0.0	29.950	35	3.2	8.3	18	N	13	02			7	8	
25	74	50	62	-3	52	3	0	1	8	0	0.00	0.0	30.040	18	3.8	6.4	18	S	13	16			5	6
26	63	55	59	-6	55	6	0	1	8	0	0.83	0.0	29.820	09	9.8	12.7	30	NE	21	05			10	10
27	74	56	65	-1	51	0	0	0	0	0.00	0.0	29.790	06	5.6	9.0	24	NE	16	06			7	6	
28	73	53	63	-3	52	2	0	1	8	0	0	29.840	15	5.0	5.9	18	SE	14	16			9	8	
29	62	56	59	-7	56	6	0	1	0	2.72	0.0	29.530	03	11.2	13.2	33	N	21	35			10	10	
30	70	53	62	-5	44	3	0	0	0	0.00	0.0	29.750	32	13.2	13.6	30	NW	21	33			1	2	
31	73	45	59	-8	42	6	0	0	0	0.00	0.0	30.070	27	5.8	6.4	24	W	12	29			2	1	
SUM	SUM					TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL	FOR THE MONTH:				TOTAL	%	SUM	SUM					
2191	1621					127	23	PRECIPITATION		7.03	0.0	29.870	28	1.6	9.9	47	NW	25	32			224	221	
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	AVG.	DEP.	PRECIPITATION		DEP.		DATE: 17+				DATE: 5	POSSIBLE	MONTH	AVG.	AVG.				
70.7	52.3	61.5	-0.7	48.5	-3	-20		≥ .01 INCH		13	3.80									7.2	7.1			
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.		4626		69		THUNDERSTORMS		4		PRECIPITATION		SNOW, ICE PELLETS										
≥ 90°		≤ 32°		≤ 32°		≤ 0°		HEAVY FOG		0		2.72		29		0.0								
0		0		0		0		-354		26		CLEAR		6		PARTLY CLOUDY		7		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 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. Hadlee
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

MAY 1990
WILMINGTON, DE 13781

HOUR L.S.T.	VISIBILITY			WEATHER	TEMPERATURE				WIND		SKY COVER (TENTHS)	VISIBILITY			WEATHER	TEMPERATURE				WIND										
	CEILING IN HUNDREDS OF FEET	WHOLE MILES	1/8THS MILE		AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		CEILING IN HUNDREDS OF FEET	WHOLE MILES	1/8THS MILE		AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)									
MAY 1st																														
01	10	9	3	F	58	56	54	87	09	8	10	70	7		65	55	46	50	30	12	10	90	10		59	47	32	36	08	8
04	10	9	2	F	56	54	53	90	11	4	4	UNL	12		60	49	37	43	30	10	10	70	10		57	46	33	40	10	7
07	10	10	2	F	59	56	54	84	32	7	6	UNL	15		61	49	37	41	33	7	10	75	10		57	47	35	44	03	4
10	10	UNL	4	H	66	60	56	70	30	5	10	250	15		65	51	37	36	36	13	10	70	10		58	48	36	44	08	9
13	6	220	7		73	63	56	55	32	8	10	120	15		65	51	37	36	30	13	10	65	10		58	49	38	48	17	6
16	10	75	5	H	73	66	61	66	23	8	10	UNL	15		66	50	33	29	36	9	10	65	10		58	49	40	51	19	8
19	10	220	4	H	71	64	59	66	22	5	10	250	15		59	48	35	41	31	6	10	60	10		56	49	41	57	16	3
22	10	65	7		68	60	53	59	28	8	10	120	15		60	49	37	43	30	6	10	55	10		56	49	42	60	22	7
MAY 2nd																														
MAY 3rd																														
MAY 4th																														
MAY 5th																														
MAY 6th																														
MAY 7th																														
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MAY 17th																														
MAY 18th																														

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).

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

MAY 1990
WILMINGTON, DE

13781

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																								02	
03																								03	
04	0.01	0.02	T	0.01	0.01	T	T	T														T	0.01	04	
05	0.15	0.23	0.04			T	T	T														T	T	05	
06																								06	
07																								07	
08																								08	
09																								09	
10	T	0.06	0.04	0.02	0.04	0.04	0.02	0.01	0.05	0.02	0.24	0.26	0.32	0.02	0.02		0.05	0.17	0.09	0.04		T	T	0.02	10
11																								11	
12																								12	
13		T	T		T	T					T	0.13	0.22	0.01	T		T	T	0.43	T				13	
14																								14	
15																								15	
16												T	T	T								0.04	T	16	
17	T	T										T	T	T										17	
18																								18	
19																								19	
20				T	T																			20	
21	0.04	0.02	0.03	0.07	0.02	0.01			T	T												T	T	0.01	21
22																								22	
23																								23	
24																								24	
25																								25	
26	T	T	0.02	0.08	0.14	0.13	0.14	0.06	0.11	0.08	0.04	0.02	0.01	T	T									26	
27																								27	
28																								T	28
29	T	T	0.02	0.04	0.08	0.18	0.09	0.28	0.12	0.13	0.12	0.59	0.49	0.19	0.07	0.04	0.05	0.07	0.09	0.02	0.04	0.01	T	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)	0.12	0.18	0.21	0.26	0.37	0.51	0.64	0.79	0.94	1.08	1.19	1.27
ENDED: DATE	29	17	13	29	29	29	29	29	29	29	29	29
ENDED: TIME	1213	1542	1749	1145	1145	1153	1219	1223	1249	1259	1330	1359

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.

VALIDATED BY:
DON GRISINGER

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