

MAY 1984
 WILMINGTON, DELAWARE
 NAT'L HEA SER OFC
 AIRPORT TERMINAL BLDG

ISSN 0198-117X

LOCAL CLIMATOLOGICAL DATA

Monthly Summary



GREATER WILMINGTON AIRPORT

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

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)		DATE					
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT	HEATING I SEASON BEGINS WITH JUL 1	COOLING I SEASON BEGINS WITH JAN 1	WATER EQUIVALENT (INCHES)			SNOW, ICE PELLETS (INCHES)	RESULTANT DIR.		RESULTANT SPEED	AVERAGE SPEED	FASTEST MILE	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MI. NIGHT TO MIDNIGHT						
01	67	49	58	1	30	7	0		0	0.00	0.0	29.880	28	13.7	14.3	24	29			2	1	01				
02	68	45	57	-1	35	8	0		0	0.00	0.0	29.910	27	7.2	8.9	16	26			9	6	02				
03	60	49	55	-3	48	10	0	1	8	0.52	0.0	29.680	07	7.6	8.9	15	10			10	10	03				
04	72	54	63	5	55	2	0	1	3	0.04	0.0	29.295	25	11.7	15.2	23	28			9	9	04				
05	70	50	60	1	44	5	0			0.00	0.0	29.785	29	10.0	10.9	18	31			4	5	05				
06	63	48	56	-3	48	9	0	2	8	0.10	0.0	29.990	08	2.0	5.6	12	16			10	10	06				
07	60	49	55	-4	49	10	0	2	8	T	0.0	30.010	10	5.3	6.9	9	14			10	10	07				
08	78	52	65	5	55	0	0	23	8	0.85	0.0	29.680	22	3.3	10.5	46	30			9	10	08				
09	63	46	55	-5	35	10	0			0.00	0.0	29.740	27	12.1	13.4	20	29			7	7	09				
10	67	41	54	-6	39	11	0			0.00	0.0	29.940	28	8.2	9.2	17	30			6	4	10				
11	76	50	63	2	48	2	0	1	8	0.00	0.0	29.975	18	11.6	12.2	20	20			9	9	11				
12	76	57	67	6	53	0	2	1		0.05	0.0	29.840	22	6.9	8.9	16	21			7	6	12				
13	74	49	62	1	45	3	0			T	0.0	29.900	21	4.6	9.8	20	17			7	6	13				
14	62	45	54	-8	42	11	0	1		T	0.0	29.860	30	11.5	12.3	21	30			6	4	14				
15	61	39	50	-12	34	15	0			T	0.0	29.960	32	11.4	11.8	18	32			6	6	15				
16	59	40	50*	-12	30	15	0			0.00	0.0	30.035	33	11.5	12.6	20	32			6	5	16				
17	67	37*	52	-11	31	13	0			0.00	0.0	30.150	34	10.5	11.3	18	33			6	5	17				
18	60	41	51	-12	36	14	0			0.00	0.0	30.070	29	3.7	5.6	9	31			10	8	18				
19	83	51	67	4	53	0	2	1	8	0.04	0.0	29.750	26	6.1	7.8	15	29			9	9	19				
20	78	64	71	8	58	0	6	1	3	0.06	0.0	29.740	20	3.4	8.8	16	17			6	7	20				
21	77	61	69	5	59	0	4	1		T	0.0	29.910	22	0.5	5.8	9	17			8	7	21				
22	90*	60	75	11	62	0	10	1	8	0.00	0.0	29.990	17	7.3	9.2	20	21			7	5	22				
23	82	57	70	6	63	0	5	3	8	0.60	0.0	29.850	21	10.0	11.4	29	26			9	6	23				
24	76	50	63	-2	47	2	0			0.00	0.0	30.010	31	4.8	7.0	13	32			3	2	24				
25	81	52	67	2	55	0	2		8	0.00	0.0	29.970	20	7.5	8.7	16	19			4	3	25				
26	85	66	76*	11	65	0	11	1	3	0.00	0.0	29.870	22	6.3	9.9	17	21			9	8	26				
27	73	60	67	1	56	0	2			T	0.0	30.140	15	3.6	6.9	14	17			9	8	27				
28	76	58	67	1	61	0	2	1		0.38	0.0	30.040	13	4.6	6.9	12	15			10	10	28				
29	75	63	69	3	64	0	4	1		1.41	0.0	29.885	19	4.6	9.0	15	20			10	10	29				
30	63	51	57	-10	50	8	0	1		0.90	0.0	29.910	31	6.8	7.1	17	34			10	10	30				
31	66	49	58	-9	44	7	0	1		0.08	0.0	29.830	33	8.4	9.0	20	34			7	6	31				
SUM	SUM					TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL	29.890	26	3.6	9.5	46	30			234	212					
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.			PRECIPITATION		DEP.						DATE: 8	POSSIBLE			MONTH	AVG.	AVG.				
71.2	51.1	61.2	-1.0	48.1	32	7		> .01 INCH	12	1.80										7.5	6.8					
NUMBER OF DAYS									SEASON TO DATE	TOTAL	TOTAL	GREATEST IN 24 HOURS AND DATES				GREATEST DEPTH ON GROUND OF SNOW, ICE PELLETS OR ICE AND DATE										
MAXIMUM TEMP.									5390	50	THUNDERSTORMS	5	PRECIPITATION	SNOW, ICE PELLETS												
> 90°									< 32°	< 32°	< 0°	DEP.	DEP.	HEAVY FOG	3	2.25	29-30	0.0								
1	0	0	0	0	410	7	CLEAR	2	PARTLY CLOUDY	13	CLOUDY	16														

* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.
 † 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 CHANGES IN SUMMARY DATA WILL BE ANNOTATED IN THE ANNUAL PUBLICATION.

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

Kenneth D. Hadden

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE
 NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

DIRECTOR NATIONAL CLIMATIC DATA CENTER

MAY 1984
 WILMINGTON, DELAWARE

OBSERVATIONS AT 3-HOUR INTERVALS

MAY 1984
WILMINGTON, DELAWARE 13781

MOOR L.S.T.	VISI-BILITY			TEMPERATURE			WIND			SKY COVER (TENTHS)	VISI-BILITY			TEMPERATURE			WIND			SKY COVER (TENTHS)	VISI-BILITY			TEMPERATURE			WIND		
	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	AIR of	NET BULB of	DEW POINT of	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	AIR of	NET BULB of	DEW POINT of	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	AIR of	NET BULB of	DEW POINT of	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)
MAY 1st																													
01	0	UNL	15	60	47	31	34	31	12	0	UNL	12	49	41	29	46	23	6	6	UNL	12	53	49	44	72	00	0		
04	0	UNL	15	55	44	31	40	21	5	0	UNL	12	49	41	31	50	24	7	10	80	10	51	48	45	80	36	5		
07	0	UNL	15	58	47	33	39	29	16	8	UNL	12	53	44	34	49	30	5	10	70	6	55	50	46	72	06	9		
10	5	UNL	15	62	48	31	31	29	21	6	UNL	12	61	48	32	34	26	14	10	60	6	56	50	44	64	05	10		
13	2	UNL	15	65	49	31	28	27	17	10	UNL	12	66	51	35	32	29	12	10	36	4	56	50	45	67	04	10		
16	4	UNL	15	66	48	27	23	28	17	10	250	12	66	50	33	29	27	10	10	36	5	59	54	49	70	12	6		
19	0	UNL	15	60	46	27	29	31	8	10	250	15	63	51	38	40	00	0	10	8	1	56	54	53	90	09	11		
22	0	UNL	15	52	42	29	41	26	7	10	250	12	57	50	42	58	20	6	10	2	2	56	54	53	90	10	13		
MAY 2nd																													
MAY 3rd																													
MAY 4th																													
MAY 5th																													
MAY 6th																													
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MAY 16th																													
MAY 17th																													
MAY 18th																													

WEATHER CODES

- | | | | |
|---|--|---|---|
| <ul style="list-style-type: none"> * TORNADO T THUNDERSTORM Q SQUALL R RAIN RW RAIN SHOWERS ZR FREEZING RAIN L DRIZZLE | <ul style="list-style-type: none"> ZL FREEZING DRIZZLE S SNOW SW SNOW SHOWERS SG SNOW GRAINS SP SNOW PELLETS IC ICE CRYSTALS IP ICE PELLETS | <ul style="list-style-type: none"> IPW ICE PELLET SHOWERS A HAIL F FOG IF ICE FOG GF GROUND FOG BD BLOWING DUST | <ul style="list-style-type: none"> BN BLOWING SAND BS BLOWING SNOW BY BLOWING SPRAY K SMOKE H HAZE D DUST |
|---|--|---|---|

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

MAY 1984
WILMINGTON, DELAWARE 13781

HOUR L. S. T.	VISI- BILITY			WEATHER	TEMPERATURE				WIND		SKY COVER (TENTHS)	VISI- BILITY			WEATHER	TEMPERATURE				WIND		SKY COVER (TENTHS)	VISI- BILITY			WEATHER	TEMPERATURE				WIND																																																																																																																																																																																																																																																																																																
	SKY COVER (TENTHS)	CELLING IN HUNDREDS OF FEET	WHOLE MILES		16THS MILE	AIR OF	NET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION		SPEED (KNOTS)	SKY COVER (TENTHS)	CELLING IN HUNDREDS OF FEET		WHOLE MILES	16THS MILE	AIR OF	NET BULB OF	DEW POINT OF	REL HUMIDITY %		DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)		CELLING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	AIR OF	NET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)																																																																																																																																																																																																																																																																																												
																																				SKY COVER (TENTHS)	CELLING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	SKY COVER (TENTHS)	CELLING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	SKY COVER (TENTHS)	CELLING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE																																																																																																																																																																																																																																																																																
MAY 19th																														MAY 20th																														MAY 21st																																																																																																																																																																																																																																																																			
01	10	50	10		54	49	43	67	24	5	10	90	9		72	63	56	57	30	9	10	100	5		F	65	63	62	90	30	5	04	10	48	6	R	52	50	48	86	20	5	10	85	7	RW	66	61	58	76	29	6	10	75	3		F	63	61	60	90	34	5	07	10	50	4	F	53	51	49	86	25	3	9	100	7		67	62	59	76	00	0	9	100	7		F	64	60	57	78	36	6	10	10	48	4	H	58	55	52	81	23	6	0	UNL	12		74	63	56	54	16	8	4	UNL	15		H	70	63	59	58	34	4	13	10	95	6	H	71	63	58	64	20	5	0	UNL	10		77	64	58	48	18	13	7	50	15		H	75	65	58	56	31	6	16	7	UNL	6	H	80	67	60	51	25	5	9	UNL	10		73	63	57	57	18	14	10	90	10		H	76	66	60	58	19	4	19	10	110	7		77	66	59	54	27	7	10	220	10	H	67	62	58	73	18	4	7	UNL	8		H	74	65	59	60	15	4	22	10	110	10		73	62	55	53	29	13	10	60	5	RWH	67	63	61	81	31	8	4	UNL	7		H	64	61	58	81	17	7																																																																
MAY 22nd																														MAY 23rd																														MAY 24th																																																																																																																																																																																																																																																																			
01	4	UNL	7		61	58	56	84	18	9	0	UNL	10		70	66	63	79	18	7	0	UNL	12			56	55	54	93	32	4	04	3	UNL	3	H	60	58	56	87	07	5	0	UNL	10		73	69	66	79	22	10	0	UNL	12			53	50	48	83	29	6	07	10	0	0	F	62	60	58	87	10	5	8	250	9		74	68	65	74	20	15	0	UNL	7			62	57	53	73	30	6	10	4	UNL	4	H	72	67	64	76	14	4	9	250	10		78	70	66	67	20	15	4	UNL	12			70	57	46	42	33	8	13	8	UNL	7	H	87	72	64	46	20	12	10	90	10		78	71	67	69	21	14	4	UNL	15			73	58	45	37	33	5	16	3	UNL	10		88	73	65	47	22	8	10	50	5	TRW	64	62	60	87	25	10	4	UNL	15			75	58	43	32	35	8	19	5	UNL	9		82	70	63	53	19	8	10	90	12	RW	65	62	59	81	29	7	6	UNL	15			70	56	43	38	33	3	22	7	60	10		72	66	63	73	18	10	0	UNL	12		60	58	57	90	00	0	0	UNL	15			64	55	48	56	19	5																																																																
MAY 25th																														MAY 26th																														MAY 27th																																																																																																																																																																																																																																																																			
01	0	UNL	10		60	56	52	75	00	0	0	UNL	10		68	65	63	84	27	4	8	85	12			69	64	61	76	06	4	04	0	UNL	7		54	52	51	90	31	4	6	UNL	7		67	65	64	90	17	7	3	UNL	15			62	58	55	78	35	4	07	6	UNL	4	H	63	59	55	75	24	6	9	UNL	5	H	73	69	67	82	20	7	10	110	15			65	61	58	78	33	4	10	0	UNL	12		75	63	55	50	19	11	10	250	8		78	70	65	64	22	11	10	60	15			68	62	57	68	10	4	13	6	UNL	12		80	64	53	39	21	11	10	UNL	7		82	72	66	59	21	11	9	110	10			70	61	55	59	13	4	16	6	UNL	12		80	63	51	37	20	8	9	250	7		84	73	67	57	21	10	8	75	10			71	64	60	68	17	9	19	3	UNL	12		75	64	57	54	22	7	10	250	7		81	72	67	63	20	8	10	200	10			67	60	54	63	16	11	22	3	UNL	12		67	65	63	87	17	10	8	85	12		70	67	65	84	01	5	10	95	10			64	57	52	65	18	11																																																																
MAY 28th																														MAY 29th																														MAY 30th																																																																																																																																																																																																																																																																			
01	10	48	8	RW	59	56	53	81	22	6	10	70	7		69	67	66	90	16	8	10	9	1	8	RF	62	61	60	93	30	6	04	10	29	7	RW	58	55	53	84	09	9	10	18	8		70	68	66	87	18	9	10	29	5			56	54	52	87	32	8	07	10	14	8		59	55	52	78	11	6	10	12	7	RW	71	68	67	87	19	11	10	32	1	8	RF	53	51	50	90	30	10	10	10	6	2	RWF	62	61	60	93	11	5	10	16	8		74	70	67	79	20	13	10	36	7			55	52	50	83	31	7	13	10	2	1	F	66	65	64	93	17	5	10	17	8	RW	75	70	67	76	22	10	10	40	6			54	51	49	83	30	6	16	10	16	3	RWF	75	71	69	82	32	6	10	34	2	RF	65	64	63	93	00	0	10	44	8			56	52	48	75	30	6	19	10	25	1	F	71	69	68	90	07	6	10	39	3	RF	64	62	61	90	07	4	10	50	10			56	51	47	72	28	4	22	10	39	3	RWF	69	67	66	90	14	7	10	5	1	8	RF	63	62	61	93	07	6	10	75	12			53	51	49	86	35	4																																																															
MAY 31st																																																																																																																																																																																																																																																																																																																															
01	10	70	5	RWF	51	50	48	90	28	4																														04	10	60	7	R	50	48	46	86	35	5																														07	9	70	7		50	47	43	77	30	7																														10	6	250	12		61	53	46	58	34	13																														13	10	48	12		63	53	43	48	33	8																														16	7	48	12		65	53	41	42	35	9																														19	2	UNL	15		61	51	42	50	31	5																														22	0	UNL	15		49	46	42	77	31	5																													

SUMMARY BY HOURS

HOUR L. S. T.	SKY COVER (TENTHS)	AVERAGES						RESULTANT WIND	
		STATION PRESSURE (INCHES)	TEMPERATURE			REL HUMIDITY %	WIND SPEED (MPH)	DIRECTION	SPEED (MPH)
			AIR TEMP OF	NET BULB OF	DEW POINT OF				
01	5	29.890	57	52	48	73	7.2	26	3.7
04	6	29.890	55	51	47	77	7.7	28	3.1
07	7	29.910	58	53	48	71	8.6	27	4.1
10	7	29.920	64	58	48	60	11.9	28	4.6
13	8	29.890	67	57	49	55	12.4	26	6.1
16	8	29.860	68	58	49	54	10.5	25	4.8
19	8	29.870	64	55	48	59	8.8	27	2.3
22	6	29.895	59	53	48	70	8.3	24	2.2

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

MAY 1984
WILMINGTON, DELAWARE 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	T	0.02				T					T		T	T										04	
05																								05	
06			T	T																				06	
07																								07	
08				0.09	0.09	0.13	0.01	0.01	T		T		T	T										08	
09																								09	
10																								10	
11																								11	
12		T	0.01	0.01	T	T					0.02	0.01	T											12	
13																								13	
14	T																						T	14	
15																							T	15	
16																								16	
17																								17	
18																								18	
19			0.01	0.03	T	T			T	T														19	
20				T	T																	0.01	0.05	T	20
21		T	T					T	T															21	
22																								22	
23													T											23	
24																								24	
25																								25	
26																								26	
27																								27	
28	0.02	T	0.01	0.02	T				0.02	0.03	T	T												28	
29																								29	
30	0.23	0.16	0.07	0.03	0.06	0.07	0.14	0.05	0.03	T	T	T												30	
31	0.02	0.02	0.02	0.02	T																			31	

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.28	0.38	0.42	0.44	0.55	0.60	0.64	0.69	0.79	0.82	0.88	0.91
ENDED: DATE	08	08	08	08	29	29	29	29	29	29	29	29
ENDED: TIME	1715	1720	1723	1728	1345	1355	1410	1430	1455	1510	1545	1610

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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