

# LOCAL CLIMATOLOGICAL DATA

## Monthly Summary



GREATER WILMINGTON AIRPORT

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

APR 1984 WILMINGTON, DELAWARE

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	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	FASTEST MILE	MINUTES	PERCENT OF TOTAL POSSIBLE	MINUTES	PERCENT OF TOTAL POSSIBLE	TO SUNRISE	TO MIDNIGHT	DATE
01	56	26*	41	-6	25	24	0		0	0.00	0.0	29.960	30	8.2	8.6	15	28			6	4	01	
02	51	29	45	-3	27	20	0		0	0.00	0.0	30.030	28	7.3	8.5	14	32			6	4	02	
03	61	40	51	3	35	14	0	1	0	0.01	0.0	30.130	10	4.0	9.9	18	35			4	7	03	
04	58	44	51	3	44	14	0	1	0	0.72	0.0	29.870	09	10.7	13.5	25	15			10	10	04	
05	65	47	56	7	51	9	0	1 3 5	0	1.22	0.0	29.340	16	12.0	13.0	28	15			9	9	05	
06	53	44	49	0	36	16	0		0	0.00	0.0	29.450	27	12.2	12.8	18	28			8	9	06	
07	47	39	43	-7	32	22	0		0	0.00	0.0	29.740	30	14.8	15.4	21	31			10	10	07	
08	62	36	49	-1	29	16	0		0	0.00	0.0	30.060	34	10.7	12.4	18	32			3	4	08	
09	56	35	46	-4	27	19	0		0	0.00	0.0	30.190	11	3.4	8.4	15	16			8	6	09	
10	61	36	49	-2	30	16	0	1	0	0.00	0.0	29.980	36	5.8	7.7	15	36			2	3	10	
11	61	34	48	-3	33	17	0		0	0.00	0.0	29.870	03	2.8	7.9	13	17			2	1	11	
12	66	39	53	2	40	12	0	1	8	0.00	0.0	29.880	13	4.9	8.0	14	16			1	2	12	
13	67	46	57	5	46	8	0	1	8	0.05	0.0	29.870	12	7.3	9.6	14	07			9	10	13	
14	51	44	48	-4	45	17	0	1	8	0.01	0.0	29.850	06	17.2	17.3	24	06			10	10	14	
15	52	44	48	-4	46	17	0	1 3	0	0.41	0.0	29.680	06	12.0	12.4	18	06			10	10	15	
16	59	46	53	0	46	12	0	1	8	0.56	0.0	29.390	02	1.8	9.0	18	06			9	9	16	
17	66	38	52	-1	44	13	0	2	0	0.01	0.0	29.460	22	5.6	8.3	16	21			6	6	17	
18	64	39	52	-1	43	13	0	1	0	0.01	0.0	29.630	31	3.3	6.2	16	31			9	9	18	
19	58	43	51	-3	38	14	0	1	0	0.04	0.0	29.870	29	7.1	7.6	14	28			10	9	19	
20	61	40	51	-3	38	14	0	1	8	0.00	0.0	29.940	31	8.3	9.2	18	30			6	5	20	
21	64	39	52	-2	28	13	0		8	0.00	0.0	30.000	32	12.4	14.2	22	30			8	5	21	
22	50	32	41*	-14	24	24	0	1	4	0.19	0.0	30.130	12	2.8	8.4	17	17			10	8	22	
23	49	36	43	-12	41	22	0	1	0	0.33	0.0	29.620	06	9.7	11.3	17	05			10	10	23	
24	54	46	50	-5	42	15	0	1	0	0.03	0.0	29.390	27	11.5	11.8	21	28			10	10	24	
25	62	48	55	-1	39	10	0		0	0.00	0.0	29.620	30	14.5	16.1	23	30			9	7	25	
26	76*	42	59	3	42	6	0		0	0.00	0.0	29.910	31	8.5	10.1	17	33			1	1	26	
27	73	47	60	4	44	5	0		8	0.00	0.0	30.010	14	7.0	10.2	18	18			6	6	27	
28	62	45	54	-2	38	11	0	3	0	0.05	0.0	30.160	14	5.0	8.1	14	16			10	9	28	
29	74	46	60	3	48	5	0	3	8	0.56	0.0	30.150	18	6.3	6.9	12	18			3	5	29	
30	72	50	61*	4	55	4	0	1 3	8	0.04	0.0	29.850	19	8.4	10.4	23	19			10	9	30	
SUM	1821	1220				422	0					29.830	32	1.4	10.4	28	15			212	207		
AVG.	60.7	40.7	50.7	-1.7	38.4	44	0			0.85								DATE: 5	POSSIBLE	7.1	6.9		
NUMBER OF DAYS		SEASON TO DATE		SNOW, ICE PELLETS > 1.0 INCH		GREATEST IN 24 HOURS AND DATES		GREATEST DEPTH ON GROUND OF SNOW, ICE PELLETS OR ICE AND DATE															
MAXIMUM TEMP.		MINIMUM TEMP.		5228		0		THUNDERSTORMS		5		PRECIPITATION		SNOW, ICE PELLETS		22							
> 90°		< 32°		< 32°		< 0°		HEAVY FOG		1		1.74		04-05		trace							
0		0		3		0		378		0		CLEAR		7		PARTLY CLOUDY		5		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. 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.

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

*Kenneth D. Walden*  
DIRECTOR  
NATIONAL CLIMATIC DATA CENTER



# OBSERVATIONS AT 3-HOUR INTERVALS

APR 1984 13781  
WILMINGTON, DELAWARE

HOUR L.S.T.	VISI-BILITY			TEMPERATURE				WIND		SKY COVER (TENTHS)	VISI-BILITY			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)																																																																																																																																																																																																																																	
																					AIR of	WET BULB of	DEW POINT of	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)																																																																																																																																																																																																																											
APR 19th																						APR 20th																						APR 21st																																																																																																																																																																																																									
01	3	UNL	15	47	44	40	77	29	5	10	100	10	47	43	37	68	00	0	0	UNL	15	47	42	36	66	30	10	04	8	95	10	48	45	42	80	28	6	1	UNL	5	F	41	39	37	86	34	5	0	UNL	15	45	41	35	68	28	8	07	10	44	7	47	44	40	77	30	8	4	UNL	2	FH	45	43	41	86	33	5	2	UNL	6	H	50	45	38	64	31	11	10	10	75	7	48	45	41	77	29	9	3	UNL	6	H	58	49	39	49	32	10	9	220	8	58	49	40	51	31	12	13	8	36	10	57	48	38	49	26	10	8	50	8	H	60	49	37	43	29	14	10	220	10	60	46	29	31	31	15	16	10	250	12	56	46	34	44	28	10	10	75	8	H	59	49	37	44	30	16	10	220	15	62	46	24	23	33	16	19	10	250	10	50	43	33	52	30	6	8	85	10	H	55	47	37	51	30	8	10	UNL	15	56	41	16	21	32	10	22	10	110	10	50	43	34	54	00	0	0	UNL	15	H	49	44	37	64	29	8	1	UNL	15	47	35	13	25	02	14														
APR 22nd																						APR 23rd																						APR 24th																																																																																																																																																																																																									
01	0	UNL	15	38	31	16	41	36	5	10	10	5	RF	38	36	34	86	12	9	10	1	0	8	LF	47	47	46	96	28	6	04	0	UNL	15	35	29	16	46	01	7	10	36	4	RF	37	36	34	89	06	8	10	6	3	F	47	46	44	89	28	7	07	10	200	15	40	32	15	36	05	6	10	6	4	RLF	39	38	37	93	06	9	10	32	5	RF	47	45	43	86	25	10	10	10	250	15	45	36	19	35	06	9	10	5	1	8	RLF	43	42	41	93	06	12	10	48	7	H	50	47	44	80	26	8	13	10	160	15	48	37	17	29	14	4	10	4	1	8	RLF	47	46	44	89	06	12	10	40	10	H	53	47	40	62	28	12	16	10	100	15	48	39	25	41	18	11	10	4	1	8	RLF	48	47	45	89	05	12	10	41	10	H	53	46	37	55	28	18	19	10	60	12	44	40	34	68	17	15	10	3	1	8	LF	47	46	44	89	01	5	10	36	15	H	49	44	39	69	28	18	22	10	15	12	40	38	35	82	17	7	10	0	0	8	LF	47	46	45	93	06	5	10	39	15	H	48	44	39	71	27	11
APR 25th																						APR 26th																						APR 27th																																																																																																																																																																																																									
01	7	41	15	49	44	38	66	27	12	0	UNL	15	46	43	39	77	25	6	0	UNL	15	53	49	45	74	07	5	04	10	48	15	50	44	38	64	27	12	0	UNL	15	43	40	36	76	31	6	0	UNL	8	51	48	44	77	10	6	07	10	95	10	50	44	37	61	27	15	0	UNL	8	55	50	44	67	30	10	8	200	4	H	52	48	44	74	06	6	10	10	36	9	53	46	38	57	29	13	0	UNL	12	68	56	46	45	32	15	3	UNL	10	68	55	42	39	12	8	13	10	36	10	58	50	41	53	30	19	6	UNL	15	73	57	44	36	31	11	3	UNL	12	69	55	43	39	18	14	16	10	55	10	60	51	42	52	32	14	2	UNL	15	75	57	42	31	35	11	8	UNL	12	65	55	47	52	18	15	19	0	UNL	12	57	48	38	49	33	10	1	UNL	15	68	54	40	36	29	4	9	250	10	66	52	48	75	16	9	22	0	UNL	12	54	47	39	57	32	8	0	UNL	15	60	51	41	50	32	4	10	95	10	53	49	44	72	11	8																					
APR 28th																						APR 29th																						APR 30th																																																																																																																																																																																																									
01	7	UNL	10	50	45	39	66	08	8	10	41	7	RW	48	46	43	83	16	5	7	UNL	5	F	54	53	52	93	18	5	04	2	UNL	10	47	43	39	74	00	0	10	39	8	H	48	46	44	86	00	0	7	UNL	8	H	52	50	47	83	00	0	07	8	60	10	51	46	41	69	01	5	10	39	6	H	50	47	44	80	20	4	9	140	6	H	55	52	50	83	16	8	10	10	48	12	57	48	37	47	09	7	0	UNL	10	H	58	53	48	70	24	3	10	17	6	RWH	59	55	52	78	20	8	13	10	48	12	60	50	39	46	19	10	0	UNL	15	H	66	58	51	59	14	8	10	7	4	H	61	59	58	90	16	10	16	10	48	12	61	47	31	32	16	12	1	UNL	12	H	73	60	50	45	20	9	10	23	6	H	71	65	61	71	19	20	19	10	95	15	56	46	35	45	18	8	8	UNL	10	H	59	54	50	72	18	10	10	32	5	H	70	65	62	76	19	15	22	10	48	15	55	48	41	60	15	9	2	UNL	10	H	54	52	50	86	18	6	10	100	15	H	66	62	59	78	25	10						

## 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	29.850	45	42	38	78	8.6	02	0.7
04	6	29.840	44	41	38	80	8.1	36	1.7
07	7	29.860	45	42	38	78	9.1	36	3.2
10	6	29.860	53	46	39	61	11.0	34	3.2
13	7	29.830	57	48	38	54	12.0	29	2.9
16	8	29.800	58	49	38	51	13.7	29	3.3
19	7	29.810	53	46	38	60	10.7	24	1.9
22	7	29.840	49	45	39	70	9.9	17	0.9

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

APR 1984 13781  
WILMINGTON, DELAWARE

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	T	T	0.01	T																					03			
04																									04			
05	0.14	0.26	0.07	0.15	0.16	0.12	0.10	0.02				T	0.02	0.03	0.16	0.03	0.04	T	0.02	0.20	T	0.15	0.02	0.08	0.09	0.08	05	
06																										06		
07																										07		
08																										08		
09																										09		
10																										10		
11																										11		
12																										12		
13																										13		
14																										14		
15	0.10	0.03	0.01		T	T	T							T	T	0.01	0.01	0.02	0.01		T	T	0.01	T	T	T	15	
16	0.09	0.02	0.03	0.01	0.10	T	0.03	0.08	T	T			0.02									0.13	0.05				16	
17																											17	
18																											18	
19								0.01	0.03	T				T													19	
20																											20	
21																											21	
22																											22	
23	0.01	0.03	0.09	0.03	0.01	T	0.02	0.02	0.01	0.01	0.01	0.02	0.03	0.01	0.01	0.01	0.01	0.01	T	T	T	0.07	0.05	0.02	0.01	0.04	23	
24	0.01	0.01	T	T			T	0.01	T	T												T	T	T	T	T	T	24
25																												25
26																												26
27																												27
28																												28
29	0.25	0.16	0.10	0.05																							0.05	29
30										T	T	T	0.04	T													30	

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.13	0.18	0.19	0.19	0.20	0.23	0.26	0.32	0.38	0.41	0.47	0.55
ENDED: DATE	05	05	05	05	05	05	05	05	05	29	29	29
ENDED: TIME	1720	1725	1725	1725	1740	0155	0200	0155	0200	0200	0210	0245

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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