

APR 1987
 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

APR 1987
 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 ISEASON BEGINS WITH JUL	COOLING ISEASON BEGINS WITH JAN			WATER EQUIVALENT (INCHES)	SNOW, ICE PELLETS (INCHES)		RESULTANT DIR.	RESULTANT SPEED	AVERAGE SPEED	PEAK GUST	DIRECTION	FASTEST 1-MIN	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT	
01	47	28*	38*	-9	20	27	0		0	0.00	0.0	29.900	30	11.6	13.3	28	NW	20	34			2	1
02	63	37	50	2	31	15	0		0	0.00	0.0	29.850	22	7.8	14.2	33	NW	21	33			7	7
03	55	39	47	-1	34	18	0	1	0	0.21	0.0	29.985	03	8.8	12.1	22	E	17	06			10	10
04	60	44	52	4	46	13	0	1	0	0.88	0.0	29.550	14	14.2	17.6	38	SE	24	15			9	9
05	47	32	40	-9	35	25	0	1	8	0	0.62	29.720	13	5.0	8.9	24	SE	14	16			10	10
06	44	33	39	-10	35	26	0	1	8	2	0.12	29.640	25	4.4	5.3	12	SW	9	24			10	10
07	58	41	50	0	43	15	0	1		0	T	29.560	30	9.8	11.0	23	NW	18	30			10	9
08	64	41	53	3	37	12	0	0		0.00	0.0	29.630	34	7.7	10.3	37	NW	17	32			5	5
09	60	39	50	0	34	15	0	0		0.00	0.0	29.720	32	7.9	9.2	23	NW	16	31			4	4
10	70	37	54	3	35	11	0	0		0.00	0.0	29.730	29	6.3	7.9	25	NW	14	29			0	0
11	73	42	58	7	43	7	0	0		0.01	0.0	29.740	19	4.6	7.8	23	N	17	18			6	4
12	65	43	54	3	49	11	0	1	8	0	T	29.740	18	3.7	8.7	23	S	18	16			9	6
13	60	45	53	1	42	12	0	0		0	T	29.930	33	7.6	11.6	39	NW	17	01			8	5
14	64	37	51	-1	41	14	0	1		0.00	0.0	30.170	18	4.4	7.7	16	S	14	18			7	6
15	54	49	52	0	35	13	0	0		0	T	30.030	12	7.3	8.9	18	E	13	06			10	10
16	49	44	47	-6	40	18	0	1		0.14	0.0	29.810	07	17.5	17.6	32	NE	23	07			10	10
17	59	46	53	0	51	12	0	1		0.05	0.0	29.660	06	15.0	15.2	31	NE	23	06			10	10
18	65	53	59	6	55	6	0	1	8	0	T	29.820	05	9.6	10.0	18	NE	14	06			10	10
19	73	57	65	11	57	0	0	1	8	0	T	29.970	06	9.6	10.2	20	NE	16	05			8	7
20	73	58	66	12	57	0	1	1	8	0	0.00	30.010	06	10.6	11.4	24	NE	17	06			9	10
21	76	57	67*	13	59	0	2	1	8	0	0.00	29.925	07	6.4	9.0	22	NE	14	03			5	5
22	77*	50	64	9	53	1	0	1	8	0	0.00	29.965	08	7.5	9.7	30	E	18	08			6	6
23	57	46	52	-3	47	13	0	1	8	0	T	30.030	07	9.1	9.3	16	NE	13	07			10	10
24	60	47	54	-1	53	11	0	1	8	0	0.53	29.880	05	10.5	10.9	32	NE	23	04			10	10
25	54	43	49	-7	38	16	0	0		0.07	0.0	30.080	05	14.7	15.7	45	NE	24	04			10	9
26	63	37	50	-6	27	15	0	0		0.00	0.0	30.150	06	10.8	12.9	32	NE	23	06			0	0
27	62	37	50	-6	29	15	0	0		0.00	0.0	30.070	11	6.4	10.9	24	E	17	18			3	2
28	58	43	51	-5	37	14	0	1	8	0	T	29.840	33	6.8	10.2	28	NW	18	31			7	8
29	70	39	55	-2	37	10	0	0		0	T	29.580	25	12.3	14.1	38	SW	23	24			5	5
30	65	46	56	-1	29	9	0	0		0.00	0.0	29.690	30	16.0	16.3	35	NW	22	30			1	1
SUM	SUM					TOTAL	TOTAL			TOTAL	TOTAL	FOR THE MONTH:				TOTAL	%	SUM	SUM				
1845	1290					374	3			2.63	2.4	29.845	04	3.0	11.3	45	NE	24	04			211	199
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.					PRECIPITATION						DATE: 25	DATE: 25+	POSSIBLE	MONTH	AVG.	AVG.		
61.5	43.0	52.3	-0.1	40.9	-4		3			2.01 INCH.	9											7.0	6.6
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.		4763		3		THUNDERSTORMS		0		PRECIPITATION		SNOW, ICE PELLETS									
≥ 90°		≤ 32°		≤ 32°		≤ 0°		HEAVY FOG		0		1.09		03-04		2.4		05-06					
0		0		2		0		-87		3		CLEAR		5		PARTLY CLOUDY		9		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. 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 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 1987
WILMINGTON, DE

13781

HOUR L.S.T.	VISI-BILITY		TEMPERATURE				WIND		SKY COVER (TENTHS)	VISI-BILITY		TEMPERATURE				WIND												
	CEILING IN HUNDREDS OF FEET	WHOLE MILES	AIR OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		CEILING IN HUNDREDS OF FEET	WHOLE MILES	AIR OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)											
APR 1st																												
01	0	UNL	10	33	28	17	52	30	15	0	UNL	10	39	34	25	57	18	7	10	90	10	40	37	33	76	31	9	
04	0	UNL	10	30	26	17	58	31	13	4	UNL	10	40	36	31	70	17	10	50	10	39	36	32	76	33	9		
07	0	UNL	12	30	26	19	64	29	10	0	UNL	8	41	37	32	70	19	9	10	48	7	40	36	31	70	35	8	
10	6	50	15	38	32	20	48	30	16	7	UNL	12	54	44	31	42	21	18	10	41	12	45	38	26	47	35	9	
13	6	40	12	41	34	22	47	31	16	10	250	12	60	47	31	34	20	16	10	41	12	49	40	28	44	04	9	
16	0	UNL	12	46	37	21	37	29	11	10	250	12	62	48	32	33	20	14	10	250	10	54	44	32	43	05	10	
19	0	UNL	10	42	34	21	43	27	7	10	70	8	49	41	30	48	32	16	10	50	10	54	47	38	55	10	14	
22	0	UNL	10	39	33	22	51	20	5	10	44	10	42	39	35	76	34	14	10	15	8	R	49	46	42	77	08	14
APR 2nd																												
APR 3rd																												
APR 4th																												
APR 5th																												
APR 6th																												
APR 7th																												
APR 8th																												
APR 9th																												
APR 10th																												
APR 11th																												
APR 12th																												
APR 13th																												
APR 14th																												
APR 15th																												
APR 16th																												
APR 17th																												
APR 18th																												

WEATHER CODES

- * TORNADO
- T THUNDERSTORM
- Q SQUALL
- R RAIN
- RW RAIN SHOWERS
- ZR FREEZING RAIN
- L DRIZZLE
- ZL FREEZING DRIZZLE
- S SNOW
- SW SNOW SHOWERS
- SG SNOW GRAINS
- SP SNOW PELLETS
- IC ICE CRYSTALS
- IP ICE PELLETS
- IPW ICE PELLET SHOWERS
- A HAIL
- F FOG
- IF ICE FOG
- GF GROUND FOG
- BD BLOWING DUST
- 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

APR 1987
WILMINGTON, DE 13781

HOUR L.S.T.	VISI-BILITY			WEATHER	TEMPERATURE			WIND			SKY COVER (TENTHS)	VISI-BILITY			WEATHER	TEMPERATURE			WIND																																														
	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES		16THS MILE	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	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	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)																																
APR 19th																						APR 20th																						APR 21st																					
01	10	7	3		58	57	57	97	07	10	10	9	6		59	58	57	93	08	8	10	12	8		61	59	58	90	02	6																																			
04	10	7	3	F	58	57	57	97	06	10	10	9	3	F	58	57	57	97	07	5	10	14	7		61	59	58	90	05	8																																			
07	10	4	1	4	58	57	57	97	06	8	10	10	4	F	58	56	55	90	06	15	3	UNL	7		63	60	58	84	03	9																																			
10	10	6	1	12	60	59	58	93	07	8	10	18	7		63	59	56	78	05	12	8	26	12		68	63	59	73	07	12																																			
13	9	23	8		59	63	59	71	07	11	10	23	8		67	62	58	73	03	12	6	26	12		74	66	61	64	03	12																																			
16	9	50	10		72	63	57	59	06	10	4	UNL	10		71	63	57	61	04	12	4	UNL	9		76	67	61	60	11	7																																			
19	4	UNL	8		68	62	58	71	07	6	10	70	10		65	62	59	81	12	12	0	UNL	8		71	64	60	68	12	6																																			
22	0	UNL	10		61	59	57	87	08	8	10	10	10		60	58	57	90	06	10	0	UNL	7		60	59	58	93	17	9																																			
APR 22nd																						APR 23rd																						APR 24th																					
01	0	UNL	7		58	57	57	97	00	0	10	14	10		49	47	44	83	10	8	10	4	5	F	51	51	50	96	08	8																																			
04	4	UNL	6	F	54	54	53	96	26	3	10	14	8		48	46	43	83	08	10	10	3	2	F	52	52	52	100	02	8																																			
07	8	UNL	4	F	60	59	58	93	00	0	10	8	5	F	47	46	44	89	07	7	10	4	1	12	F	53	53	52	96	04	7																																		
10	5	UNL	4	H	73	66	61	66	06	6	10	8	4		49	48	46	90	07	8	10	4	1	12	F	55	55	54	97	06	9																																		
13	0	UNL	6	H	75	65	58	56	05	12	10	10	5	FH	52	50	48	86	05	6	10	8	2		FH	60	58	56	87	05	12																																		
16	10	28	7		61	55	49	65	09	14	10	15	5		56	53	50	80	05	8	10	9	1		RFH	58	57	57	97	06	7																																		
19	10	28	7		54	50	45	72	09	13	10	14	7	H	56	53	51	83	07	9	10	8	3		RF	59	58	58	97	02	10																																		
22	10	17	10		51	48	44	77	09	13	10	9	7		53	51	50	90	07	8	10	14	7		R	51	50	49	93	03	14																																		
APR 25th																						APR 26th																						APR 27th																					
01	10	12	10	R	46	45	44	93	04	16	1	UNL	15		39	36	32	76	36	7	0	UNL	15		46	39	30	54	08	6																																			
04	10	13	7	R	46	45	44	93	04	15	0	UNL	15		39	36	32	76	01	8	0	UNL	15		38	35	30	73	36	5																																			
07	10	14	12		46	45	43	89	05	14	0	UNL	15		47	38	23	39	04	13	0	UNL	15		47	40	31	54	04	10																																			
10	10	15	15	R	46	44	42	86	04	17	0	UNL	20		57	44	25	29	06	15	2	UNL	15		55	43	27	34	10	7																																			
13	10	60	15		51	45	38	61	04	16	0	UNL	20		61	46	25	25	05	15	3	UNL	15		61	46	27	28	16	5																																			
16	9	70	15		54	44	32	43	07	12	0	UNL	20		63	47	27	26	07	14	5	UNL	15		60	47	30	32	17	13																																			
19	7	250	15		50	43	35	57	12	7	0	UNL	15		56	44	28	34	14	6	0	UNL	12		51	40	23	34	14	12																																			
22	7	75	15		48	42	33	56	08	10	0	UNL	15		48	39	27	44	06	8	1	UNL	12		44	39	32	63	11	10																																			
APR 28th																						APR 29th																						APR 30th																					
01	10	17	10		44	39	31	60	10	9	5	UNL	12		43	40	35	74	29	6	3	UNL	15		61	48	34	37	31	13																																			
04	10	14	10		44	39	31	60	10	9	0	UNL	12		41	38	33	73	24	6	0	UNL	15		54	42	25	33	31	13																																			
07	10	11	5	F	46	44	42	86	01	6	3	UNL	12		46	41	34	63	26	12	0	UNL	20		52	42	28	40	30	17																																			
10	6	20	8		53	48	42	66	34	7	10	150	12		51	44	35	55	25	14	0	UNL	20		55	44	31	40	31	19																																			
13	10	55	7		55	48	40	57	30	9	4	UNL	12		63	49	34	34	23	14	3	UNL	20		59	47	32	36	29	19																																			
16	8	55	12		57	48	37	47	32	14	8	UNL	12		68	51	33	27	24	20	3	UNL	20		61	47	31	32	30	16																																			
19	3	UNL	15		53	43	31	43	30	13	8	80	12		69	53	38	32	25	13	1	UNL	15		56	44	28	34	31	13																																			
22	10	75	12		50	43	35	57	31	12	8	80	10		69	57	48	47	28	12	1	UNL	15		49	41	31	50	29	7																																			

SUMMARY BY HOURS

HOUR L.S.T.	AVERAGES								RESULTANT WIND	
	SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	TEMPERATURE			REL HUMIDITY %	WIND SPEED (MPH)	DIRECTION	SPEED (MPH)	
			AIR TEMP OF	WET BULB OF	DEW POINT OF					
01	6	29.850	48	44	40	77	9.0	03	2.9	
04	6	29.840	46	43	40	81	9.6	03	3.1	
07	7	29.865	48	45	41	79	10.2	03	4.3	
10	7	29.870	54	48	42	66	13.0	03	4.5	
13	7	29.840	58	50	42	58	13.5	04	2.9	
16	8	29.810	60	51	41	55	13.4	09	2.4	
19	6	29.830	55	48	41	63	10.8	09	2.3	
22	6	29.860	50	46	41	73	10.7	05	3.4	

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

APR 1987
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																				T	T	T	0.04	0.17	03
04	0.02	0.28	0.11	0.12	0.05	T		0.01	0.19	0.10	T													04	
05								T	T	T															05
06	0.03	0.01	0.03	0.03	0.01	0.01																			06
07							T																		07
08								T																	08
09																									09
10																									10
11																			T		0.01				11
12																									12
13								T		T															13
14									T																14
15								T	T	T															15
16								T	T	T	0.01		T												16
17	T	T	T	T		0.02	0.01	T	T	T	0.01		T	T	T	T	0.01	0.07	T	T	0.02	0.02	0.01	17	
18																									18
19																									19
20																									20
21																									21
22																									22
23																									23
24		T	T						T	T	T												T	T	24
25	T	T	0.01	0.03	0.01	0.02	T	T	T																25
26																									26
27																									27
28					T	T																			28
29																									29
30																			T	T	T				30

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.05	0.09	0.12	0.14	0.18	0.24	0.28	0.32	0.35	0.39	0.43	0.52
ENDED: DATE	04	04	04	04	04	04	04	04	04	04	04	04
ENDED: TIME	0128	0124	0128	0134	0143	0155	0211	0231	0248	0259	0342	0410

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:
BILL CLAYTON

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