

JAN 1986
WILMINGTON, DELAWARE
NAT'L WEA 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 (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	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT													
01	39	22	31	-1	20	34	0		0	0.00	0.0	29.990	31	8.9	10.6	22	32		0	1	01												
02	47	22	35	3	22	30	0		0	0.00	0.0	30.150	20	3.8	4.8	12	22		8	6	02												
03	51	32	42	10	34	23	0	2	0	0.45	0.0	29.780	29	6.2	8.0	26	31		7	8	03												
04	42	33	38	6	28	27	0		0	0.00	0.0	30.010	24	0.3	9.8	21	30		9	9	04												
05	44	29	37	5	26	28	0	2	0	0.14	0.0	29.680	29	10.1	11.0	23	30		8	6	05												
06	43	27	35	3	14	30	0		0	0.00	0.0	29.870	28	11.3	14.3	22	29		4	4	06												
07	28	20	24	-7	5	41	0		0	0.00	0.0	30.240	33	14.3	14.9	18	33		6	6	07												
08	30	15	23	-8	6	42	0		0	0.00	0.0	30.510	32	9.7	11.0	17	35		0	0	08												
09	40	18	29	-2	10	36	0		0	0.00	0.0	30.260	24	9.8	10.1	16	24		0	0	09												
10	50	26	38	7	16	27	0		0	0.00	0.0	29.950	29	9.2	11.1	18	30		5	2	10												
11	40	20	30	-1	18	35	0		0	0.00	0.0	30.050	31	5.3	7.3	14	32		1	0	11												
12	53	22	38	7	23	27	0		0	0.00	0.0	29.750	21	7.3	8.2	18	21		0	0	12												
13	45	21	33	2	20	32	0	1	0	T	T	29.660	31	12.9	13.7	22	31		6	4	13												
14	23	16	20	-11	6	45	0		0	T	T	29.900	31	11.3	11.7	20	33		10	8	14												
15	24	10	17	-14	0	48	0		0	T	T	30.310	31	5.7	9.9	20	01		1	2	15												
16	40	13	27	-4	15	38	0		0	0.00	0.0	30.390	16	1.3	3.5	10	18		4	1	16												
17	43	22	33	2	28	32	0	1	8	0.00	0.0	30.230	25	1.4	3.5	9	25		10	7	17												
18	64*	35	50	19	41	15	0	1	8	0.01	0.0	30.070	17	3.2	3.9	9	18		3	6	18												
19	58	43	51*	20	51	14	0	2		1.17	0.0	29.600	11	5.6	7.7	14	16		10	10	19												
20	49	38	44	13	37	21	0	2		0.03	0.0	29.330	25	12.0	13.7	20	28		10	10	20												
21	50	34	42	11	29	23	0		0	0.00	0.0	29.900	30	9.7	11.2	21	31		0	2	21												
22	60	28	44	13	30	21	0	1	8	0.00	0.0	29.970	28	4.3	11.0	23	31		8	7	22												
23	40	28	34	3	20	31	0		0	0.00	0.0	30.265	36	10.9	11.3	16	36		8	5	23												
24	35	21	28	-3	10	37	0		0	0.00	0.0	30.470	06	10.1	11.9	17	09		2	3	24												
25	47	27	37	6	34	28	0	1		1.16	T	30.190	09	8.0	10.4	17	18		10	10	25												
26	43	33	38	7	38	27	0	1		1.00	0.4	29.590	33	7.3	8.4	13	34		10	10	26												
27	35	17	26	-5	25	39	0	1	9	0.16	1.5	29.270	31	17.6	17.9	31	30		9	9	27												
28	20	10	15*	-16	0	50	0		9	0.00	0.0	29.730	29	17.4	18.2	31	30		3	2	28												
29	24	10*	17	-14	10	48	0	1		0.09	1.2	29.915	08	2.5	8.4	14	06		10	8	29												
30	29	15	22	-9	12	43	0	1		T	T	30.120	32	11.2	11.8	20	32		2	3	30												
31	36	15	26	-5	15	39	0		8	0.00	0.0	30.300	28	7.1	8.0	15	28		4	4	31												
SUM		SUM				TOTAL		TOTAL		TOTAL		TOTAL		FOR THE MONTH:				TOTAL		%		SUM											
1272		722				1011		0		4.21		3.1		29.980		30		5.5		10.2		31		30									
AVG.		AVG.		AVG.		DEP.		AVG.		DEP.		DEP.						DATE: 28+		POSSIBLE		MONTH		AVG.		AVG.							
41.0		23.3		32.2		1.0		20.6		-37		0												5.4		4.9							
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		PRECIPITATION		SNOW, ICE PELLETS		SNOW, ICE PELLETS OR ICE AND DATE																	
MAXIMUM TEMP.						2666		0		THUNDERSTORMS		0		PRECIPITATION		SNOW, ICE PELLETS																	
5 90°						2 32°		2 32°		2 32°		0		DEP.		DEP.		HEAVY FOG		4		1.94		25-26		1.9		26-27		2		30+	
0						7		25		0		-197		0		CLEAR		11		PARTLY CLOUDY		7		CLOUDY		13							

* 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 NOTED IN SUBSEQUENT PUBLICATIONS.

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ASHEVILLE NORTH CAROLINA

Kenneth D. Walden
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

JAN 1986 13781
WILMINGTON, DELAWARE

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OBSERVATIONS AT 3-HOUR INTERVALS

JAN 1986 13781
WILMINGTON, DELAWARE

WILMINGTON, DELAWARE												WILMINGTON, DELAWARE													
HOUR L.S.T.	SKY COVER (TENTHS)	VISI-BILITY			WEATHER	TEMPERATURE			WIND			SKY COVER (TENTHS)	CELLING IN HUNDREDS OF FEET	VISI-BILITY			WEATHER	TEMPERATURE			WIND				
		WHOLE MILES	16THS MILE			AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)			WHOLE MILES	16THS MILE			AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		
JAN 19th																									
01	9	85	5		F	46	45	44	93	02	4	10	1	0	4	F	46	46	46	100	16	5	10	25	12
04	10	12	4		RWF	47	47	46	96	07	5	10	6	0	8	F	45	45	45	100	17	7	10	32	12
07	10	2	1		F	51	51	50	96	11	8	10	11	7			42	41	40	93	22	12	0	UNL	12
10	10	3	0	8	RF	51	51	51	100	09	5	10	31	10			40	38	34	79	26	15	0	UNL	8
13	10	1	0	4	LF	53	53	53	100	17	11	10	13	7		RW	39	37	35	86	23	14	0	UNL	12
16	10	6	5		F	57	56	56	97	12	8	10	20	8			39	37	35	86	26	14	0	UNL	12
19	10	1	1	4	RWF	55	55	55	100	11	4	10	60	15			38	36	34	86	28	16	0	UNL	12
22	10	3	1	8	RWF	54	54	54	100	15	3	10	28	15			40	37	33	76	29	14	0	UNL	10
JAN 20th																									
JAN 21st																									
01	3	UNL	9			32	30	27	82	00	0	10	UNL	10			38	34	26	62	33	14	0	UNL	12
04	2	UNL	9			28	27	25	89	02	3	7	UNL	12			35	31	23	62	34	10	0	UNL	12
07	1	UNL	7			33	32	30	89	12	4	4	UNL	12			32	29	23	69	35	10	0	UNL	12
10	8	UNL	5		H	42	38	31	65	17	8	10	UNL	15			34	29	20	57	36	12	2	UNL	15
13	9	UNL	10			55	45	32	42	24	12	10	250	15			38	31	19	46	36	10	5	UNL	15
16	10	UNL	10			58	46	32	38	22	10	7	UNL	15			39	32	18	43	01	8	2	UNL	15
19	10	55	8			48	41	32	54	32	20	0	UNL	12			31	27	17	56	36	6	7	UNL	10
22	10	UNL	10			42	36	28	58	34	13	0	UNL	12			30	26	16	56	01	8	8	UNL	10
JAN 22nd																									
JAN 23rd																									
JAN 24th																									
01	10	UNL	10			28	24	15	58	07	10	10	2	0	12	RF	43	43	42	96	00	0	10	5	1
04	10	60	10			30	27	20	66	06	13	10	2	0	12	RF	43	43	42	96	10	5	10	14	10
07	10	29	10			33	30	25	73	06	14	10	11	5		RF	42	42	41	96	01	7	5	UNL	12
10	10	20	7			36	34	32	85	08	10	10	6	7			40	40	39	96	32	7	4	UNL	10
13	10	11	2	8	RLF	42	40	37	83	11	10	10	41	7		R	40	39	38	93	33	7	10	25	8
16	10	6	2		RF	45	44	42	89	12	6	10	14	2	8	RF	38	38	37	96	30	10	10	4	1
19	10	2	1		RF	46	46	46	100	13	4	10	17	3		RF	35	35	34	96	35	8	10	44	4
22	10	28	3		RF	43	43	43	100	00	0	10	8	4		RSF	35	35	34	96	35	7	10	14	3
JAN 25th																									
JAN 26th																									
JAN 27th																									
01	10	70	7			15	12	3	59	32	27	3	UNL	15			13	10	0	56	26	8	10	11	7
04	5	UNL	10			11	9	-2	55	30	22	3	UNL	15			10	8	2	70	36	5	4	UNL	7
07	0	UNL	15			10	8	-2	58	29	19	8	110	10			13	11	2	61	22	4	0	UNL	6
10	7	200	15			14	11	-1	51	29	18	10	70	10			19	15	4	52	20	5	0	UNL	10
13	1	UNL	15			18	15	3	52	27	17	10	60	10			23	19	7	50	14	8	0	UNL	10
16	0	UNL	15			19	15	1	45	26	16	10	7	0	8	SF	22	21	20	92	10	7	10	250	12
19	0	UNL	15			16	13	1	51	27	11	10	17	7		S	21	20	18	88	07	11	0	UNL	12
22	0	UNL	15			13	10	0	56	30	7	10	10	7		S	22	21	18	85	03	9	0	UNL	12
JAN 28th																									
JAN 29th																									
JAN 30th																									
01	5	UNL	10			20	18	11	68	31	8														
04	8	UNL	10			18	16	11	74	27	6														
07	8	UNL	8			17	15	11	77	26	6														
10	5	UNL	7			28	24	14	56	28	12														
13	3	UNL	10			33	28	16	50	28	13														
16	0	UNL	10			36	30	17	46	28	10														
19	1	UNL	10			30	26	17	58	00	0														
22	1	UNL	10			24	22	17	75	00	0														
JAN 31st																									

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	WET BULB OF	DEW POINT OF				
01	5	29.970	29	27	20	70	8.7	30	5.6
04	5	29.975	28	26	20	72	9.1	32	5.1
07	4	29.990	27	25	19	72	8.1	32	3.7
10	5	30.020	33	29	21	62	11.4	31	5.8
13	6	29.960	38	32	20	52	13.1	29	6.8
16	6	29.950	38	33	21	53	12.2	29	6.2
19	5	29.990	33	30	22	65	10.1	30	5.1
22	5	30.000	30	27	21	68	8.3	31	4.6

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

JAN 1986
WILMINGTON, DELAWARE 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						0.04	0.21	0.12	0.05	0.01	0.02	T													03
04																									04
05	0.02	0.10	0.01	0.01																					05
06																									06
07																									07
08																									08
09																									09
10																									10
11																									11
12																									12
13																									13
14																									14
15		T	T										T	T	T				T	T	T	T			15
16																									16
17																									17
18																									18
19			T	0.01	T	T	0.01		0.01	0.10	0.18	0.01	0.01	T	T	T	0.02	T	0.15	0.11	0.25	0.30	0.01	T	19
20										T	T	T	T	T	T	0.01	0.01	0.01							20
21																									21
22																									22
23																									23
24																									24
25								T	T	T	0.01	0.01	T	0.01	0.01	0.09	0.20	0.06	0.11	0.26	0.13	0.09	0.08	0.10	25
26	0.13	0.15	0.12	0.07	0.05	0.10	0.14	0.01	0.01	T		0.01	0.01	0.01	T	0.04	0.04	0.01	0.02	0.01	0.03	0.01	0.02	0.01	26
27	0.02	T	T	0.01	T	T							0.01	0.01	T	T	0.06	0.04	0.01	0.01	0.01	T	T	T	27
28																									28
29																									29
30	T	T												T	0.01	0.02	0.03	0.02	0.01	T	T	T	T	T	30
31																									31

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.07	0.10	0.12	0.15	0.19	0.25	0.33	0.45	0.52	0.57	0.58	0.69
ENDED: DATE	19	19	19	19	19	19	19	19	19	19	19	19
ENDED: TIME	2149	2154	2110	2110	2102	2158	2133	2152	2158	2158	2158	2150

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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