

MAR 1985
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 BEGINNS WITH JUL)	COOLING (SEASON BEGINNS 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			
																SPEED	DIRECTION								
1	2	3	4	5	6	7A	7B	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22			
01	58	29	44	7	28	21	0	8	0	T	0.0	30.020	18	8.4	9.2	18	20		9	7	01				
02	63	35	49	12	31	16	0	8	0	0.00	0.0	29.860	31	11.1	11.9	23	32		1	2	02				
03	53	30	42	5	20	23	0		0	0.00	0.0	30.250	35	2.6	7.0	13	34		2	2	03				
04	63	36	50	12	34	15	0	1	0	0.04	0.0	30.120	10	9.1	12.2	25	19		10	10	04				
05	69	38	54	16	36	11	0	1	0	0.18	0.0	29.810	28	14.5	19.0	28	32		2	4	05				
06	44	27	36	-2	12	29	0		0	0.00	0.0	30.410	35	12.2	13.3	22	31		0	1	06				
07	46	22	34*	-5	23	31	0		0	T	0.0	30.510	16	6.5	10.1	18	17		9	7	07				
08	55	42	49	10	40	16	0	1	0	0.15	0.0	30.000	23	8.8	9.9	14	24		10	10	08				
09	60	40	50	11	27	15	0	8	0	0.00	0.0	30.050	30	8.8	9.5	15	31		0	0	09				
10	62	37	50	10	27	15	0	8	0	0.00	0.0	30.100	30	6.5	6.9	17	31		1	1	10				
11	60	33	47	7	35	18	0	1	0	0.10	0.0	30.010	18	7.7	8.7	17	21		9	7	11				
12	61	47	54	14	38	11	0	1	0	0.38	0.0	29.475	27	14.1	20.9	32	28		9	9	12				
13	63	41	52	11	31	13	0		0	T	0.0	29.770	29	14.6	15.0	22	30		6	7	13				
14	59	43	51	10	30	14	0		0	T	0.0	29.810	30	12.7	13.4	21	28		8	8	14				
15	52	33	43	2	21	22	0		0	0.00	0.0	29.960	30	15.6	16.5	25	32		2	1	15				
16	54	30	42	0	20	23	0		0	0.00	0.0	30.090	24	5.2	9.8	16	22		5	4	16				
17	57	34	46	4	25	19	0		0	0.00	0.0	29.680	32	11.2	12.4	20	31		6	5	17				
18	43	28	36	-6	10	29	0		0	0.00	0.0	29.850	33	15.4	16.1	23	35		0	0	18				
19	51	19*	35	-8	12	30	0		0	T	0.0	30.080	26	4.3	8.2	15	22		2	2	19				
20	67	41	54	11	31	11	0		0	T	0.0	29.900	26	7.6	11.0	20	31		9	8	20				
21	50	31	41	-3	12	24	0		0	0.00	0.0	30.235	35	7.5	8.3	16	02		8	7	21				
22	48	35	42	-2	24	23	0	4	0	0.07	T	30.165	07	10.8	11.5	15	05		10	10	22				
23	48	39	44	0	39	21	0	1	0	0.36	0.0	29.830	05	12.0	13.1	18	06		10	10	23				
24	50	38	44	-1	35	21	0	1	0	0.29	0.0	29.780	04	5.3	7.6	14	07		10	10	24				
25	53	34	44	-1	23	21	0	1	0	0.01	0.0	30.010	35	10.1	11.8	18	35		5	5	25				
26	58	28	43	-2	18	22	0		0	0.00	0.0	30.220	29	7.5	8.8	16	30		2	1	26				
27	74	33	54	8	34	11	0		0	0.00	0.0	29.900	22	6.4	7.6	20	22		6	5	27				
28	80*	52	66	20	49	0	1		0	0.00	0.0	29.680	23	7.1	8.4	18	20		8	6	28				
29	78	57	68*	22	59	0	3		0	T	0.0	29.680	26	6.3	8.0	16	27		10	10	29				
30	65	50	58	11	45	7	0		0	0.13	0.0	29.890	01	7.7	8.4	17	01		10	10	30				
31	50	43	47	0	38	18	0	1	0	0.32	0.0	29.930	08	11.4	12.3	17	09		10	10	31				
SUM		SUM		SUM		TOTAL		TOTAL		TOTAL		TOTAL		FOR THE MONTH:		TOTAL		%	SUM		SUM				
1794		1125		SUM		550		4		2.03		T		29.970 31 4.3 11.2		32 28			FOR	189	179				
AVG.		AVG.		AVG.		DEP.		DEP.		PRECIPITATION		DEP.		DATE: 12		POSSIBLE			MONTH	AVG.	AVG.				
57.9		36.3		47.1		5.3		29.2		-169		4								6.1	5.8				
NUMBER OF DAYS						SEASON TO DATE		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES						GREATEST DEPTH ON GROUND OF									
						TOTAL		TOTAL		0								SNOW, ICE PELLETS OR ICE AND DATE							
MAXIMUM TEMP.						MINIMUM TEMP.		4076		4		THUNDERSTORMS		0		PRECIPITATION		SNOW, ICE PELLETS							
5 90°						2 32°		2 0°				0.48		11-12		trace		22		T		22			
0						0		9		0		-396		4		CLEAR		10		PARTLY CLOUDY		5 CLOUDY 16			

* 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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CLIMATIC DATA CENTER
ASHEVILLE NORTH CAROLINA

Kenneth D. Nadeau
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

MAR 1985 13781
WILMINGTON, DELAWARE

WILMINGTON, DELAWARE																																				
HOUR L.S.T.	SKY COVER (TENTHS)			VISI- BILITY		WEATHER	TEMPERATURE				WIND		SKY COVER (TENTHS)	VISI- BILITY			WEATHER	TEMPERATURE				WIND														
	0-10	10-20	20-30	WHOLE MILES	16THS MILE		AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		0-10	10-20	20-30		AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)													
MAR 1st																																				
01	0	UNL	15				33	28	16	50	00	0	10	95	10				46	42	38	74	35	4	0	UNL	15				42	34	18	38	33	8
04	0	UNL	15				32	29	23	69	18	4	4	UNL	7				40	39	37	89	28	4	3	UNL	15				34	29	19	54	31	7
07	0	UNL	10				29	27	24	82	20	5	0	UNL	5				37	35	33	86	28	6	2	UNL	15				32	28	20	61	32	8
10	10	UNL	8				45	39	31	58	21	10	2	UNL	10				57	48	37	47	31	11	1	UNL	15				42	34	20	41	05	10
13	10	250	10				55	43	27	34	20	16	1	UNL	12				61	49	35	38	32	17	3	UNL	15				49	37	17	28	06	5
16	10	130	10				55	44	29	37	16	12	0	UNL	12				61	47	30	31	31	17	2	UNL	15				51	39	19	28	16	6
19	10	110	10				48	41	32	54	17	9	0	UNL	12				51	40	25	36	31	10	1	UNL	15				48	37	17	29	11	5
22	10	85	10				47	42	35	63	14	7	0	UNL	15				45	37	25	46	31	10	3	UNL	15				39	34	27	62	16	9
MAR 2nd																																				
01	6	UNL	15				38	35	29	70	07	7	10	36	10				63	58	54	73	20	17	1	UNL	15				36	29	16	44	31	16
04	8	UNL	12				38	34	28	67	07	12	10	36	5				55	53	51	87	21	7	7	50	15				34	28	15	46	31	15
07	10	70	15				36	30	20	52	08	14	9	95	1				53	51	49	86	24	7	0	UNL	15				30	25	13	49	35	14
10	10	36	15				38	33	23	55	09	12	0	UNL	15				63	52	40	43	24	17	0	UNL	15				34	27	10	37	36	11
13	10	10	2			8 LF	40	38	36	86	10	10	2	UNL	15				68	51	33	27	30	20	0	UNL	15				40	31	12	32	01	12
16	10	5	2			LF	41	40	38	89	07	11	0	UNL	15				61	46	28	29	31	16	0	UNL	15				43	32	10	26	03	14
19	10	32	3			F	45	44	42	89	07	7	0	UNL	15				46	37	23	40	32	20	0	UNL	15				34	27	10	37	02	6
22	10	25	5				48	46	44	86	00	0	2	UNL	15				40	32	17	39	30	22	0	UNL	15				32	26	10	40	02	8
MAR 3rd																																				
01	0	UNL	15				26	22	10	51	36	6	10	75	8				43	40	36	76	18	4	3	UNL	8				50	44	36	59	28	10
04	0	UNL	15				25	21	12	58	03	5	10	70	7				44	42	40	86	18	6	0	UNL	10				48	41	31	52	31	13
07	5	UNL	12				27	23	14	58	00	0	10	48	5				46	44	42	86	20	8	0	UNL	12				42	36	26	53	29	8
10	10	250	12				37	31	19	48	14	9	10	75	7				48	45	41	77	24	8	0	UNL	15				51	41	26	38	30	12
13	10	250	12				43	36	24	47	17	13	10	100	8				52	47	41	66	24	10	0	UNL	15				56	43	26	32	34	9
16	10	UNL	12				45	38	26	47	17	16	10	110	7				54	48	41	62	23	9	1	UNL	15				59	45	26	28	28	10
19	10	250	12				41	37	32	70	17	10	10	110	8				53	47	41	64	24	8	0	UNL	15				54	42	25	33	00	0
22	10	85	10			R	43	39	33	68	18	6	10	120	10				52	47	41	66	27	7	0	UNL	2			K	41	36	27	58	30	4
MAR 4th																																				
01	0	UNL	10				42	35	24	49	31	6	0	UNL	15				40	36	29	65	17	5	10	60	4				48	46	44	86	16	13
04	0	UNL	10				40	35	26	57	30	10	0	UNL	15				35	33	29	79	00	0	10	60	2			8 RF	50	48	46	86	18	15
07	4	UNL	10				39	35	28	65	25	5	3	UNL	8				35	33	29	79	00	0	10	75	5				53	50	48	83	17	10
10	3	UNL	10				53	43	31	43	28	7	10	250	7				50	44	36	59	20	6	10	50	5			8 RF	56	53	51	83	22	12
13	0	UNL	15				59	45	26	28	31	15	10	250	10				58	48	36	44	16	9	6	75	15				59	47	33	38	28	24
16	0	UNL	15				62	47	27	27	30	12	10	60	10				56	46	35	45	16	13	9	55	15				53	42	28	38	28	27
19	0	UNL	15				55	43	25	31	00	0	10	55	10				55	47	38	53	21	15	9	55	15				50	41	28	43	28	21
22	0	UNL	15				44	38	28	54	24	3	10	60	10				52	47	41	66	18	12	6	44	15				48	40	30	50	31	18
MAR 5th																																				
01	9	41	15				47	40	30	52	31	18	10	70	12				53	43	31	43	34	7	0	UNL	15				41	35	26	55	21	7
04	6	36	12				43	38	30	60	28	12	10	70	10				50	43	33	52	34	10	0	UNL	15				41	36	27	58	28	10
07	4	UNL	10				42	37	30	63	27	10	10	70	10				47	40	31	54	31	9	2	UNL	15				39	35	28	65	27	9
10	4	UNL	15				52	43	32	47	31	18	7	60	12				55	45	34	45	30	17	3	UNL	20				48	38	23	37	30	21
13	7	UNL	15				60	48	34	38	30	15	9	50	15				56	46	34	44	32	16	2	UNL	20				51	39	20	30	32	22
16	8	250	15				61	47	31	32	29	14	10	50	15				55	44	30	39	32	12	2	UNL	20				50	37	15	25	31	21
19	10	95	15				58	46	31	36	27	11	9	140	15				51	41	27	40	31	10	0	UNL	20				43	33	14	31	31	16
22	10	70	15				55	44	29	37	29	9	5	UNL	15				43	36	25	49	30	8	0	UNL	15				39	31	14	36	31	11
MAR 6th																																				
01	0	UNL	15				33	27	15	48	30	9	8	220	12				42	36	26	53	19	6	4	UNL	12				35	30	19	52	32	17
04	0	UNL	15				32	27	15	50	31	10	6	UNL	15				41	36	28	60	00	0	0	UNL	15				30	25	15	54	33	15
07	0	UNL	15				32	26	14	47	28	4	8	85	10				39	35	30	70	00	0	0	UNL	15				30	25	15	54	32	12
10	0	UNL	20				43	34	16	34	32	9	10	250	9				52	43	31	45	32	16	0	UNL	20				35	28	12	39	33	15
13	8	UNL	20				50	39	20	31	20	8	5	UNL	12				55	42	25	31	36	14	0	UNL	20				40	30	8	27	32	16
16	10	UNL	20				53	40	20	27	22	14	3	UNL	12				52	40	22	31	32	17	0	UNL	20				42	31	7	23	33	16
19	8	250	12				43	38	31	63	16	12	2	UNL	12				44	35	20	38	31	17	0	UNL	15				36	27	5	27	34	11
22	10	250	12				44	37	26	49	19	7	3	UNL	12				37	30	16	42	31	12	0	UNL	15				31	24	3	30	36	11
MAR 7th																																				
01	0	UNL	15				33	27	15	48	30	9	8	220	12				42	36	26	53	19	6	4	UNL	12				35	30	19	52	32	17
04	0	UNL	15				32	27	15	50	31	10	6	UNL	15																					

MAR 1985 13781
WILMINGTON, DELAWARE

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	5	29.980	43	38	29	60	8.6	30	3.5	
04	5	29.970	41	36	29	65	9.3	32	4.2	
07	5	30.000	40	36	28	66	9.0	34	3.2	
10	6	30.010	48	41	29	49	13.5	31	4.7	
13	6	29.980	54	43	29	42	14.3	31	5.6	
16	6	29.930	54	44	29	41	14.7	29	4.8	
19	6	29.950	49	41	29	50	10.2	29	3.9	
22	5	29.960	45	39	30	57	8.6	32	3.5	

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

MAR 1985
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																							T	T	02
03																									03
04												T		T	0.02	T	0.01	0.01	T	T					04
05		T	0.12	0.05	T	T	0.01																		05
06																									06
07																						T	T		07
08	0.01	0.02	0.02	0.01	0.02	0.02	0.02	T	0.01	0.02	T														08
09																									09
10																									10
11																									11
12	0.04	T	T	0.13	0.01	0.10	0.02	0.01	0.04	0.03								T	T	T	T	T	0.03	0.07	12
13																									13
14	T			T	T																			T	14
15																									15
16																									16
17																									17
18																			T	T					18
19																									19
20														T	T										20
21																									21
22																									22
23	0.04	0.05	0.05	0.04	0.03	0.01	0.03	T	T	T	T	0.02	0.02	T	T	T	T	T	0.01	0.01	T	0.01	0.02	0.02	23
24																									24
25	0.01	T	T											0.08	0.05	0.05	0.04	0.02	0.01	T	T	T	0.01	0.03	25
26																									26
27																									27
28																									28
29				T	T	T	0.06	0.02																	29
30			T	T	0.04	0.06	0.02															T	T	0.01	30
31	0.01													T	T	T	T	0.02	0.01	0.05	0.02	0.10	0.08	0.03	31

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.04	0.06	0.09	0.10	0.11	0.13	0.15	0.16	0.19	0.20	0.23	0.25
ENDED: DATE	05	05	05	05	05	12	05	31	31	31	12	12
ENDED: TIME	0251	0254	0257	0304	0304	0411	0339	2224	2237	2237	0600	0628

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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