

# LOCAL CLIMATOLOGICAL DATA

## Monthly Summary



NATIONAL WEATHER SERVICE OFC

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

MAR 1983  
 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 07AM INCHES	PRECIPITATION		AVERAGE STATION PRESSURE IN 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 (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	DATE	
1	49	42	46	9	38	19	0	1	0	.59	0	29.70	02	13.5	14.2	23	34			10	10	1
2	62	44	53	16	35	12	0	1	0	.03	0	29.52	33	18.2	18.4	25	32			6	5	2
3	64	42	53	16	31	12	0	0	0	0	0	29.80	30	11.4	12.2	20	31			0	0	3
4	69	37	53	15	35	12	0	0	8	0	0	29.92	08	6.4	7.3	14	06			8	6	4
5	60	42	51	13	37	14	0	0	0	0	0	30.17	06	12.1	12.9	16	05			5	6	5
6	58	42	50	12	45	15	0	1	8	.15	0	30.14	06	10.8	11.2	18	06			10	10	6
7	59	42	51	12	46	14	0	1	0	.08	0	29.88	05	13.0	13.2	21	06			10	10	7
8	45	40	43	4	40	22	0	1	3	.65	0	29.77	05	16.6	17.7	23	07			10	10	8
9	48	42	45	6	41	20	0	1	0	.12	0	29.68	05	8.8	10.9	17	05			10	10	9
10	47	43	45	5	41	20	0	1	0	.12	0	29.58	02	3.9	6.2	14	05			10	10	10
11	49	39	44	4	39	21	0	1	0	.02	0	29.46	35	13.0	14.0	22	34			10	10	11
12	43	35	39	-1	31	26	0	1	4	.21	0	29.32	31	22.1	22.3	29	33			10	10	12
13	58	36	47	6	23	18	0	0	0	0	0	29.52	30	18.0	18.1	28	31			0	2	13
14	63	34	49	8	30	16	0	0	0	T	0	29.67	25	6.6	7.9	15	22			7	6	14
15	71*	37	54	13	38	11	0	1	0	T	0	29.68	31	6.1	9.9	21	30			0	2	15
16	58	34	46	4	32	19	0	0	0	0	0	29.98	03	5.7	9.4	14	06			9	6	16
17	48	40	44	2	37	21	0	1	0	T	0	30.06	06	15.6	16.1	21	06			10	9	17
18	58	42	50	8	48	15	0	1	0	1.12	0	29.64	06	19.8	20.0	25	06			10	10	18
19	63	50	57*	14	52	8	0	2	0	.22	0	29.30	19	5.3	13.8	21	28			10	10	19
20	61	45	53	10	41	12	0	0	0	T	0	29.58	26	9.2	11.4	17	26			5	6	20
21	66	44	55	11	47	10	0	1	3	2.31	0	29.30	36	3.8	12.8	23	30			9	10	21
22	45	33	39	-5	23	26	0	0	0	T	T	29.59	29	19.4	20.0	25	28			9	9	22
23	46	27	37	-7	16	28	0	0	0	T	T	29.89	29	16.3	16.5	23	28			2	2	23
24	41	22	32*	-13	16	33	0	0	0	0	0	29.96	33	8.1	9.6	17	32			8	6	24
25	50	27	39	-6	11	26	0	0	0	0	0	29.96	35	14.8	15.7	21	36			8	6	25
26	52	20*	36	-9	14	29	0	0	0	0	0	30.31	32	1.6	8.6	14	34			0	2	26
27	55	37	46	0	39	19	0	1	8	1.13	0	30.01	12	8.7	10.2	25	16			10	10	27
28	55	42	49	3	45	16	0	1	0	.09	0	29.65	27	5.4	7.1	17	31			9	8	28
29	51	34	43	-3	27	22	0	0	0	0	0	29.96	31	13.8	15.0	23	33			6	4	29
30	47	25	36	-11	18	29	0	0	0	0	0	30.15	30	6.0	7.5	14	32			7	5	30
31	49	36	43	-4	27	22	0	0	0	0	0	29.95	06	5.0	7.3	12	07			10	10	31

\* 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 7 OR MORE OBSERVATIONS AT 3-HOUR 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

*L. Roy Hoxit*

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

ACTING DIRECTOR NATIONAL CLIMATIC DATA CENTER

# OBSERVATIONS AT 3-HOUR INTERVALS

MAR 1983 13781  
WILMINGTON, DELAWARE

HOUR	L. S. T.	VISI-BILITY				TEMPERATURE				WIND			SKY COVER (TENTHS)	VISI-BILITY				TEMPERATURE				WIND								
		CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	DIRECTION		SPEED (KNOTS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)						
DAY 01																														
01	10	80	9		43	37	27	53	04	5	10	31	7		47	45	44	89	34	18	0	UNL	12		47	40	31	54	30	12
04	10	70	8		43	39	34	71	36	5	10	28	8	R	50	47	45	83	34	14	0	UNL	12		45	39	32	60	29	12
07	10	48	8		45	41	35	68	05	10	10	70	8		48	44	40	74	33	14	0	UNL	10		43	38	32	65	28	9
10	10	60	7	R	47	43	38	71	04	15	10	100	8		52	46	39	61	32	14	0	UNL	8		53	44	33	47	32	15
13	10	17	6	RF	49	46	44	83	03	14	6	UNL	12		60	47	33	36	32	20	0	UNL	12		60	47	33	36	31	15
16	10	14	4	RF	46	44	42	86	02	15	0	UNL	15		61	45	25	25	33	21	1	UNL	15		63	48	30	29	31	12
19	10	19	4	RF	45	43	41	86	36	17	0	UNL	15		54	42	24	31	32	13	0	UNL	15		55	44	29	37	28	5
22	10	15	4	RF	46	44	42	86	36	18	0	UNL	15		51	42	31	46	33	14	0	UNL	15		48	41	31	52	23	5
DAY 02																														
DAY 03																														
DAY 04																														
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DAY 06																														
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DAY 12																														
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DAY 14																														
DAY 15																														
DAY 16																														
DAY 17																														
DAY 18																														

## WEATHER CODES

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

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

MAR 1983 13781  
WILMINGTON, DELAWARE

HOUR L.S.T.	SKY COVER (TENTHS)				WEATHER	TEMPERATURE				WIND			SKY COVER (TENTHS)	TEMPERATURE				WIND			SKY COVER (TENTHS)	TEMPERATURE				WIND					
	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	VISIBILITY		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)	AIR OF	WET BULB OF		DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)						
DAY 19																															
01	10	4	3		RF	60	59	58	93	10	17	10	34	12		51	47	42	71	28	13	10	100	12		49	46	44	83	06	5
04	10	3	3		RF	59	58	57	93	13	9	10	39	12		48	44	39	71	28	10	10	80	12		50	47	44	80	07	8
07	10	0	0	4	LF	54	53	53	96	16	11	0	UNL	15		46	42	38	74	25	8	10	10	1		48	47	46	93	05	12
10	10	12	2		LF	54	53	53	96	16	9	10	34	15		53	46	39	59	28	13	10	25	2	8	50	49	48	93	03	10
13	10	23	4		F	53	52	52	96	18	10	7	250	15		56	48	40	55	26	15	8	26	6		65	63	61	87	17	18
16	10	50	15			62	56	52	70	26	14	0	UNL	15		60	51	42	52	27	8	7	250	15		63	55	48	58	30	13
19	10	55	15			59	53	48	67	28	14	2	UNL	15		53	47	41	64	20	6	10	60	10		55	52	50	83	30	7
22	10	120	15		R	55	50	45	69	28	12	8	UNL	15		50	47	43	77	13	6	10	70	15		49	44	38	66	32	16
DAY 20																															
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WILMINGTON DEL

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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	7	29.78	43	39	33	71	12.2	35	6.2
04	7	29.77	41	38	33	73	11.2	35	5.9
07	7	29.80	41	38	32	73	11.6	36	5.6
10	8	29.81	46	41	34	65	13.2	35	6.3
13	8	29.77	51	44	35	58	14.4	34	5.5
16	7	29.74	52	45	34	55	15.1	34	7.1
19	6	29.76	47	42	34	63	12.7	35	4.1
22	7	29.78	44	40	33	67	12.3	36	6.5

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

MAR 1983 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		
1												.01	.02	.01	.01	.08	.03	.07	.09	.07	.07	.06	.05	.02	1	
2	.02	T	T	.01	T	T	T	T	T	T	T														2	
3																									3	
4																									4	
5																									5	
6																				T	T	T	.03	.12	6	
7	T	.01	.03	.04	T	T	T	T	T	T	T	T	T		T	T	T	T	T	T	T	T	.04	.04	7	
8	.04	.01	.03	.02	.04	.15	.08	.04	T	T	T	T	T								.01	T	.19	.04	8	
9	T																					.12	T	T	9	
10			T	T		T	.01	.09	T	.02								T							10	
11																								.02		11
12	.03	.03	.04	.06	.02	.03	T	T	T	T				T	T	T									12	
13																									13	
14																									14	
15	T	T	T																						15	
16																									16	
17																									17	
18	T	T		T	.01	.03	.05	.05	.02	.02	.06	.04	.12	.08	.04	.01	.01	.13	.01	.13	.09	.06	.04	.12	18	
19	.08	T	.06	.07	T	T	T	T	T	.01	T	T										T	T	T	19	
20	T																								20	
21					.04	.21	.44	.74	.48	.14	.11														21	
22												T										T			22	
23	T	T																							23	
24																									24	
25																									25	
26																									26	
27											T	.02	.07	.03	.04	.05	.07	.11	.13	.24	.19	.15	.02	T	.01	27
28					.03	.01					T	.05	T	T												28
29																										29
30																										30
31																										31

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	00.18	00.28	00.31	00.33	00.40	00.55	00.76	00.86	01.12	01.28	01.48	01.70
ENDED: DATE	21	21	21	21	21	21	21	21	21	21	21	21
ENDED: TIME	0745	0755	0800	0800	0810	0825	0840	0800	0840	0840	0840	0840

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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