

LOCAL CLIMATOLOGICAL DATA Monthly Summary



NATIONAL WEATHER SERVICE OFC

LATITUDE 39° 40' N LONGITUDE 75° 26' W ELEVATION (GROUND) 74 FEET TIME ZONE EASTERN WBAN #13781

MAY 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 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 (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	81	59	70	13	61	0	5		0	0	0	29.98	18	11.9	12.8	21	23			8	8	1
2	80	62	71	13	63	0	6		0	0	0	29.81	19	16.7	17.1	22	21			10	9	2
3	81	63	72	14	63	0	7		0	0	0	29.57	22	12.8	15.5	23	20			10	10	3
4	67	47	57	-1	52	8	0	1 3	8	0	0	29.52	27	10.5	13.4	24	30			7	6	4
5	68	44	56	-3	44	9	0	1	8	0	0	29.75	28	7.2	8.3	15	31			5	3	5
6	69	42	56	-3	35	9	0	0	0	0	0	30.07	34	5.2	5.6	14	36			0	0	6
7	71	44	58	-1	49	7	0	1		0	0	30.07	17	12.0	13.8	21	17			7	6	7
8	78	46	62	-2	55	3	0	0	0	0	0	29.75	21	6.4	12.1	25	31			9	9	8
9	59	40	50	-10	34	15	0	0	0	0	0	29.96	30	13.1	13.4	18	33			2	2	9
10	65	35	50	-10	30	15	0	0	0	0	0	30.10	30	9.5	11.1	18	28			0	1	10
11	69	39	54	-7	37	11	0	0	0	0	0	30.13	35	5.2	8.5	18	34			3	2	11
12	68	40	54	-7	40	11	0	0	0	0	0	30.11	35	6.5	7.8	16	17			2	1	12
13	76	41	59	-2	47	6	0	1	8	0	0	30.02	30	5.4	6.9	12	28			0	0	13
14	81	52	67	5	55	0	2	1	8	0	0	29.89	17	7.4	9.5	21	16			3	4	14
15	80	61	71	9	64	0	6	1 3	8	0	0	29.71	20	3.3	7.1	14	16			10	10	15
16	65	39	52	-10	51	13	0	1	0	0	2.06	29.76	01	12.0	13.5	21	03			10	10	16
17	64	35*	50*	-13	37	15	0	0	0	0	0	30.11	31	8.9	9.4	16	29			0	2	17
18	67	42	55	-8	40	10	0	0	0	0	0	30.33	11	3.6	9.5	17	17			3	4	18
19	65	53	59	-4	51	6	0	0	0	0	0.08	30.30	16	15.4	15.5	24	15			9	8	19
20	77	60	69	6	64	0	4	1	0	0	0	30.05	18	10.4	10.6	15	22			9	9	20
21	78	61	70	6	66	0	5	23	8	0	1.15	29.97	12	3.4	5.9	14	16			10	9	21
22	66	61	64	0	63	1	0	1 3	8	0	0.63	29.86	15	6.0	9.6	17	15			10	9	22
23	82*	63	73*	9	65	0	8	1 3	8	0	0.10	29.69	24	4.0	6.9	15	16			7	6	23
24	73	54	64	-1	55	1	0	3	0	0	0.01	29.80	31	9.6	9.6	16	30			6	5	24
25	72	47	60	-5	52	5	0	1	0	0	0	29.88	16	5.4	9.6	17	16			5	5	25
26	72	56	64	-1	59	1	0	1 3	8	0	0.84	29.82	15	9.4	11.4	18	17			9	10	26
27	69	50	60	-6	51	5	0	1	0	0	0.22	29.88	31	9.2	10.1	15	30			5	5	27
28	69	49	59	-7	50	6	0	1	0	0	0	30.00	23	5	7.1	12	26			7	7	28
29	67	57	62	-4	60	3	0	1 3	0	0	0.40	29.83	16	11.6	12.2	18	16			10	10	29
30	77	61	69	2	66	0	4	1 3	8	0	1.10	29.60	20	6.1	7.6	17	14			9	8	30
31	71	53	62	-5	55	3	0	2	8	0	0	29.61	35	6.9	7.2	17	34			10	9	31
SUM	SUM	SUM	SUM	SUM	SUM	TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL	FOR THE MONTH:				TOTAL	%	SUM	SUM			
2227	1556					163	47			7.38	0	29.90	22	2.8	10.3	25	31			FOR	195	187
AVG.	AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	PRECIPITATION	PRECIPITATION	DEP.						DATE: 08	POSSIBLE	MONTH	AVG.	AVG.		
71.8	50.2	61.0	-1.2	52	35	4		> .01 INCH.	14	4.15								6.3	6.0			
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.		4450		64		THUNDERSTORMS		PRECIPITATION		SNOW, ICE PELLETS										
5 90°		2 32°		2 32°		0°		HEAVY FOG		2		2.06		16		0						
0		0		0		-490		21		CLEAR		9		PARTLY CLOUDY		8		CLOUDY 14				

* 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 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. Ray Hoyt

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
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 NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

ACTING DIRECTOR
 NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

MAY 1983 13781
WILMINGTON, DELAWARE

Table with columns: HOUR L.S.T., SKY COVER (TENTHS), CEILING IN HUNDREDS OF FEET, VISI-BILITY (WHOLE MILES, 16THS MILE), WEATHER, TEMPERATURE (AIR OF, NET BULB OF, DEW POINT OF), REL HUMIDITY %, WIND (DIRECTION, SPEED (KNOTS)). Rows are grouped by day (DAY 01 to DAY 18) and time intervals.

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

MAY 1983 13781
WILMINGTON, DELAWARE

HOUR L.S.T.	VISI-BILITY				TEMPERATURE				WIND			SKY COVER (TENTHS)	VISI-BILITY				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	WEATHER	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	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)																																																																																																	
DAY 19																																	DAY 20																																	DAY 21																																																																
01	8	250	12		56	50	44	64	18	7	10	48	8		60	59	59	97	18	8	10	6	3		F	65	65	65	100	15	5	DAY 22																																	DAY 23																																	DAY 24																																
04	10	120	12		55	50	46	72	16	8	10	41	8		61	60	59	93	18	9	10	2	0	12	F	56	66	66	100	00	0	DAY 25																																	DAY 26																																	DAY 27																																
07	8	120	7		58	54	50	75	15	13	10	4	4		62	62	62	100	17	10	10	1	0	4	F	57	67	67	100	00	0	DAY 28																																	DAY 29																																	DAY 30																																
10	10	100	15		63	55	48	58	17	15	10	11	6		68	67	66	93	19	12	10	85	2	8	F	63	69	68	87	08	10	DAY 31																																																																																																		
13	10	100	15		63	54	47	56	16	18	10	20	7		72	68	66	82	19	11	10	15	2	8	RFH	70	69	69	97	18	7																																																																																																			
16	10	100	12		60	57	54	81	16	17	7	250	7		77	70	67	71	20	12	10	5	1		RFW	67	67	67	100	15	8																																																																																																			
19	10	50	7	R	58	57	57	96	16	16	9	150	7		73	68	66	79	19	7	9	7	4		RFW	66	65	65	97	10	6																																																																																																			
22	10	70	7	RH	59	58	58	97	17	14	10	150	7		65	64	64	97	16	5	2	UNL	3		F	63	62	62	97	33	5																																																																																																			
WILMINGTON DEL																																	83 05																																																																																																	

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	6	29.91	56	53	51	83	8.3	23	1.4
04	6	29.90	54	52	51	89	7.7	25	1.6
07	6	29.93	58	55	53	85	9.9	23	1.6
10	7	29.93	65	59	53	67	11.2	25	2.6
13	7	29.90	68	60	53	61	12.4	24	4.3
16	6	29.86	68	60	53	62	13.4	22	5.1
19	6	29.87	63	57	51	68	10.3	20	3.4
22	6	29.90	58	55	51	79	8.9	21	3.3

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

MAY 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																								1	
2																								2	
3																								3	
4	.05	.05	.05	.01	T						.05								T	T			T	.02	
5												T												5	
6																								6	
7																								7	
8																								8	
9																								9	
10																								10	
11																								11	
12																								12	
13																								13	
14																								14	
15		T	T	.04	T										.01	.40	.01							15	
16	T					.03	.30	.45	.15	.10	.04	.02	.17	.18	.19	.19	.08	.08	.02	.04	.02			16	
17																								17	
18																								18	
19																								19	
20	T	T			T	T	T	T	T	T							T	.02	.02	.01	.02	.01	T	T	
21											.02													21	
22											T	.01	.01	.01	.25	.12	.08	.02	.62	.03	.03	.30	.03	22	
23																								23	
24	.01																							.10	
25																								25	
26				T	T																			.02	
27	.10	.09	.03																					27	
28																								28	
29	T	.01	.01	.03	.03	.02	.02	.03	.09	.01	T	.01	.01	T		T	T	.01	T	T			.12		
30	.04	.53	.53								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)	00.27	00.39	00.45	00.46	00.65	00.68	00.84	01.04	01.06	01.06	01.08	01.10
ENDED: DATE	21	21	21	21	30	30	30	30	30	30	30	30
ENDED: TIME	1525	1710	1715	1720	0210	0220	0230	0245	0245	0245	0245	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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