

# 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

APRIL 1982  
 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 MINUTES	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			PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT	DATE
1	72	45	59	12	25	6	0		0	0	0	29.86	27	15.8	16.8	32	27		2	1	1	
2	60	40	50	2	24	15	0		0	0	0	30.05	32	7.5	11.1	18	31		1	2	2	
3	63	42	53	-5	46	12	0	1 3	0	1.23	0	29.55	19	9.5	15.0	28	27		10	10	3	
4	51	32	42	-6	22	23	0		0	T	T	29.52	30	24.9	25.3	39	29		7	7	4	
5	49	30	40	-9	20	25	0	4	0	.02	T	29.89	29	8.6	13.8	21	32		6	6	5	
6	41	24	33	-16	28	32	0	1 4	0	1.02	1.1	29.40	35	9.7	18.8	30	30		9	9	6	
7	38	18*	28*	-21	8	37	0		0	0	0	29.85	31	23.0	23.2	32	30		1	2	7	
8	47	24	36	-14	12	29	0		0	0	0	29.97	31	12.5	13.2	21	32		3	5	8	
9	38	30	34	-16	30	31	0	1	T	.19	1.5	29.68	06	2.2	6.9	10	01		10	9	9	
10	54	28	41	-9	26	24	0	1	0	0	0	29.96	28	6.5	8.9	21	30		0	1	10	
11	60	35	48	-3	27	17	0		0	0	0	29.88	28	6.8	9.5	20	31		7	6	11	
12	58	32	45	-6	26	20	0		0	0	0	29.98	28	6.5	11.4	21	27		1	1	12	
13	78	43	61	10	43	4	0	3	0	T	0	29.72	23	6.3	13.8	28	31		8	8	13	
14	64	38	51	-1	31	14	0		0	0	0	29.96	32	9.6	10.6	20	32		0	0	14	
15	63	37	50	-2	30	15	0		0	0	0	30.17	12	7.6	11.2	20	17		0	1	15	
16	73	40	57	5	45	8	0	1	8	0	0	30.22	16	7.2	8.6	17	18		4	3	16	
17	81*	53	67*	14	58	0	2	1	8	0	.77	0	29.93	18	13.3	14.4	23	30		10	10	17
18	66	47	57	4	32	8	0		0	.09	0	29.96	29	15.6	16.0	25	31		0	2	18	
19	62	40	51	-3	33	14	0		0	0	0	30.13	17	7.3	9.9	22	17		0	0	19	
20	72	45	59	5	46	6	0		0	0	0	30.05	17	8.5	9.5	20	16		8	7	20	
21	64	43	54	0	39	11	0		0	T	0	30.03	30	9.1	12.1	21	31		7	6	21	
22	62	37	50	-5	20	15	0		0	0	0	30.13	31	9.8	12.1	22	32		5	3	22	
23	68	35	52	-3	25	13	0		0	0	0	30.17	30	10.4	11.7	21	32		1	1	23	
24	74	45	60	5	33	5	0		0	0	0	30.09	25	9.0	9.9	16	25		0	0	24	
25	79	42	61	5	40	4	0		0	0	0	30.07	18	6.9	7.3	17	24		5	5	25	
26	63	57	60	4	55	5	0	1	8	1.05	0	29.96	16	12.3	13.5	24	16		10	10	26	
27	69	53	61	5	57	4	0	2	8	1.01	0	29.85	36	5.0	7.5	18	36		10	10	27	
28	64	42	53	-4	40	12	0	1		.03	0	30.00	36	11.0	14.0	18	01		8	7	28	
29	68	39	54	-3	33	11	0		0	0	0	30.21	34	4.2	9.1	13	32		2	1	29	
30	74	44	59	2	36	6	0		0	0	0	30.16	30	8.3	9.2	14	31		4	3	30	

\* 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 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.

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 DIRECTOR  
 NATIONAL CLIMATIC CENTER

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OBSERVATIONS AT 3-HOUR INTERVALS

APRIL 1982 13781  
WILMINGTON, DELAWARE

HOUR L.S.T.	SKY COVER (TENTHS)		VISI-BILITY		WEATHER	TEMPERATURE				WIND		SKY COVER (TENTHS)	VISI-BILITY		WEATHER	TEMPERATURE				WIND													
	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	AIR OF		WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	CEILING IN HUNDREDS OF FEET		WHOLE MILES	16THS MILE		AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)												
DAY 19																																	
01	0	UNL	15			45	38	29	54	33	8	0	UNL	12			47	44	40	77	00	5	10	36	10			56	53	51	83	17	8
04	0	UNL	15			45	37	25	46	00	0	0	UNL	12			49	44	40	77	00	5	10	17	8			56	53	51	83	20	4
07	0	UNL	25			50	42	33	52	00	0	4	UNL	10			50	47	43	77	14	5	10	14	7			60	57	54	81	27	10
10	0	UNL	20			59	46	30	33	19	10	10	UNL	12			61	53	46	58	16	10	10	60	15			58	50	41	53	31	11
13	0	UNL	20			60	47	31	34	16	16	8	250	15			71	58	48	44	21	12	4	UNL	15			63	51	40	43	32	17
16	0	UNL	20			60	47	33	36	16	18	10	55	15			60	54	49	57	17	15	6	250	15			58	45	27	31	31	18
19	0	UNL	20			53	46	38	57	17	11	10	50	15			64	56	50	61	18	10	10	UNL	15			51	40	23	33	30	8
22	0	UNL	15			49	46	44	83	13	6	10	48	12			57	53	50	78	16	8	0	UNL	15			45	36	23	42	30	8
DAY 20																																	
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SUMMARY BY HOURS

HOUR L.S.T.	SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	AVERAGES					RESULTANT WIND	
			TEMPERATURE			REL HUMIDITY %	WIND SPEED (MPH)	DIRECTION	SPEED (MPH)
			AIR TEMP OF	WET BULB OF	DEW POINT OF				
01	4	29.96	45	40	32	63	10.8	30	4.5
04	4	29.96	43	38	31	64	9.9	29	4.2
07	5	29.99	45	40	33	65	10.4	29	3.2
10	5	29.98	53	44	34	51	14.5	30	6.7
13	5	29.93	58	47	34	44	16.1	28	7.5
16	5	29.90	59	47	33	41	15.7	27	8.0
19	4	29.91	53	44	33	50	11.4	26	4.6
22	4	29.95	48	42	34	61	10.8	27	4.3

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

APRIL 1982 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	
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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	00.46	00.49	00.57	00.58	00.62	00.69	00.70	00.71	00.75	00.75
ENDED: DATE	03	03	03	03	03	03	03	03	03	03	03	03
ENDED: TIME	1742	1742	1742	1747	1757	1813	1747	1807	1827	1830	1800	1815

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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