

APR 1983 13781
WILMINGTON, DELAWARE
GREATER WILMINGTON AIRPORT

ISSN 0198-117X

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

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				
																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			
1	62	32*	47	0	25	18	0		0	0	0	29.80	34	9.8	11.5	21	36		1	3	1				
2	59	40	50	2	28	15	0	1 3	0	.18	0	29.89	09	9.7	12.1	23	10		10	9	2				
3	70	50	60	12	48	5	0	1	0	.48	0	29.54	09	6.0	12.9	24	11		6	8	3				
4	60	44	52	4	41	13	0	1	0	0	0	29.89	30	9.8	10.2	17	33		7	7	4				
5	65	43	54	5	39	11	0		8	0	0	30.06	28	7.8	9.2	16	29		9	8	5				
6	59	47	53	4	43	12	0		8	0	0	30.03	13	4.3	6.6	12	16		10	10	6				
7	58	51	55	5	51	10	0	2	8	.20	0	30.00	16	4.8	5.3	14	17		10	10	7				
8	63	53	58	8	57	7	0	2	0	.40	0	29.84	06	2.2	3.5	14	04		10	10	8				
9	60	44	52	2	45	13	0	1	8	.31	0	29.93	06	14.6	15.8	18	07		10	10	9				
10	54	43	49	-2	45	16	0	1	8	1.46	0	29.72	03	6.2	11.7	18	06		10	8	10				
11	57	44	51	0	42	14	0	1	0	.03	0	29.64	29	10.9	11.2	17	29		10	8	11				
12	60	38	49	-2	36	16	0		0	0	0	29.92	30	10.0	11.1	18	32		4	3	12				
13	61	35	48	-4	36	17	0		0	0	0	30.19	14	4.0	8.8	18	17		4	3	13				
14	61	40	51	-1	43	14	0	1	0	0	0	30.22	12	10.6	11.5	18	10		10	8	14				
15	66	53	60	8	53	5	0	1	0	1.24	0	29.90	15	16.7	17.4	29	17		10	10	15				
16	55	37	46	-7	39	19	0	1	0	.89	0	29.75	33	14.5	16.4	25	33		9	7	16				
17	60	34	47	-6	30	18	0		0	T	0	29.71	29	11.2	11.8	18	31		2	3	17				
18	52	34	43	-10	27	22	0		0	0	0	29.59	29	8.9	10.1	15	30		9	8	18				
19	43	33	38*	-16	33	27	0	1	T	.07	.4	29.41	31	15.0	16.7	25	31		10	10	19				
20	50	33	42	-12	32	23	0	1	T	.01	.1	29.46	27	16.9	17.5	25	28		10	9	20				
21	62	35	49	-5	29	16	0		0	0	0	29.76	24	9.1	11.2	18	25		4	4	21				
22	70	38	54	-1	37	11	0		0	0	0	29.86	25	4.4	6.3	15	25		3	3	22				
23	73	45	59	4	44	6	0	1	0	.10	0	29.83	15	5.6	6.3	18	16		7	7	23				
24	58	46	52	-3	51	13	0	1	0	1.28	0	29.24	03	14.3	16.4	23	06		10	10	24				
25	49	41	45	-11	38	20	0		0	.15	0	29.28	31	16.7	17.1	25	32		10	10	25				
26	71	44	58	2	36	7	0		0	0	0	29.63	30	14.4	15.0	23	31		3	4	26				
27	83	48	66	10	45	0	1		0	0	0	29.79	26	7.3	10.1	14	18		8	6	27				
28	85*	52	69	13	53	0	4		0	0	0	29.82	17	5.7	7.1	20	17		0	1	28				
29	82	61	72*	15	54	0	7		0	0	0	29.94	21	7.1	8.6	15	17		10	10	29				
30	78	61	70	13	59	0	5		0	0	0	29.99	18	15.4	15.8	22	17		9	9	30				
SUM	SUM					TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL	FOR THE MONTH:						TOTAL	%	SUM	SUM				
1886	1299					368	17			6.80	.5	29.79	29	2.5	11.5	29	17		FOR	225	216				
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.			PRECIPITATION		DEP.							DATE: 15	POSSIBLE	MONTH	AVG.	AVG.				
62.9	43.3	53.1	0.7	41	-13	17		> .01 INCH. 14		3.41										7.5	7.2				
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.						4287		17		THUNDERSTORMS		1		PRECIPITATION		SNOW, ICE PELLETS									
5 90°						2 32°		0		HEAVY FOG		2		2.13		15-16		5		19-20		T		20+	
0						0		1		0		-525		17		CLEAR		5		PARTLY CLOUDY		6		CLOUDY 19	

* 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

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L. Ray Hout

ACTING DIRECTOR
NATIONAL CLIMATIC DATA CENTER

APR 1983 13781
WILMINGTON, DELAWARE

WEATHER CODES

BN	BLOWING	SAND
BS	BLOWING	SNOW
BY	BLOWING	SPRAY
K	SMOKE	
H	HAZE	
D	DUST	

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OBSERVATIONS AT 3-HOUR INTERVALS

APR 1983 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	
	CELLING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	AIR OF	WET BULB OF		DEN POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	CELLING IN HUNDREDS OF FEET		WHOLE MILES	16THS MILE		AIR OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION
DAY 19																				
01	10	36	10	42	38	32	68	01	8	10	10	1	8	SF	34	33	32	92	29	20
04	10	41	10	40	37	32	73	36	14	10	6	1	8	SF	34	33	31	89	28	18
07	10	5	4	37	36	34	89	32	12	10	14	3		SF	34	33	30	85	28	18
10	10	5	2	36	35	34	92	31	12	10	20	10			38	36	33	82	26	17
13	10	15	4	38	37	35	89	31	18	9	22	12			43	40	35	73	26	16
16	10	14	4	37	36	34	89	30	20	9	44	15			49	42	34	56	26	12
19	10	5	0	34	33	32	92	30	15	7	200	12			47	40	31	54	29	14
22	10	5	0	34	33	32	92	28	17	7	UNL	12			43	38	31	63	23	7
DAY 20																				
01	10	36	10	42	38	32	68	01	8	10	10	1	8	SF	34	33	32	92	29	20
04	10	41	10	40	37	32	73	36	14	10	6	1	8	SF	34	33	31	89	28	18
07	10	5	4	37	36	34	89	32	12	10	14	3		SF	34	33	30	85	28	18
10	10	5	2	36	35	34	92	31	12	10	20	10			38	36	33	82	26	17
13	10	15	4	38	37	35	89	31	18	9	22	12			43	40	35	73	26	16
16	10	14	4	37	36	34	89	30	20	9	44	15			49	42	34	56	26	12
19	10	5	0	34	33	32	92	30	15	7	200	12			47	40	31	54	29	14
22	10	5	0	34	33	32	92	28	17	7	UNL	12			43	38	31	63	23	7
DAY 21																				
01	10	36	10	42	38	32	68	01	8	10	10	1	8	SF	34	33	32	92	29	20
04	10	41	10	40	37	32	73	36	14	10	6	1	8	SF	34	33	31	89	28	18
07	10	5	4	37	36	34	89	32	12	10	14	3		SF	34	33	30	85	28	18
10	10	5	2	36	35	34	92	31	12	10	20	10			38	36	33	82	26	17
13	10	15	4	38	37	35	89	31	18	9	22	12			43	40	35	73	26	16
16	10	14	4	37	36	34	89	30	20	9	44	15			49	42	34	56	26	12
19	10	5	0	34	33	32	92	30	15	7	200	12			47	40	31	54	29	14
22	10	5	0	34	33	32	92	28	17	7	UNL	12			43	38	31	63	23	7
DAY 22																				
01	0	UNL	15	44	39	33	65	00	0	1	UNL	10			52	46	39	61	00	0
04	1	UNL	15	40	37	33	76	00	0	0	UNL	10			48	43	36	63	00	0
07	1	UNL	15	45	43	41	86	24	6	1	UNL	7			50	46	41	71	00	0
10	3	UNL	12	63	51	38	40	25	11	8	95	7			62	53	44	52	12	6
13	4	UNL	15	65	50	34	32	30	11	10	250	12			69	57	48	47	15	9
16	4	UNL	15	69	53	37	31	26	6	10	85	12			64	55	47	54	16	11
19	1	UNL	10	61	49	35	38	21	4	10	70	8			59	52	46	62	18	12
22	7	85	10	53	48	44	72	14	6	10	50	5	RF		53	51	50	90	10	6
DAY 23																				
01	0	UNL	15	44	39	33	65	00	0	1	UNL	10			52	46	39	61	00	0
04	1	UNL	15	40	37	33	76	00	0	0	UNL	10			48	43	36	63	00	0
07	1	UNL	15	45	43	41	86	24	6	1	UNL	7			50	46	41	71	00	0
10	3	UNL	12	63	51	38	40	25	11	8	95	7			62	53	44	52	12	6
13	4	UNL	15	65	50	34	32	30	11	10	250	12			69	57	48	47	15	9
16	4	UNL	15	69	53	37	31	26	6	10	85	12			64	55	47	54	16	11
19	1	UNL	10	61	49	35	38	21	4	10	70	8			59	52	46	62	18	12
22	7	85	10	53	48	44	72	14	6	10	50	5	RF		53	51	50	90	10	6
DAY 24																				
01	0	UNL	15	44	39	33	65	00	0	1	UNL	10			52	46	39	61	00	0
04	1	UNL	15	40	37	33	76	00	0	0	UNL	10			48	43	36	63	00	0
07	1	UNL	15	45	43	41	86	24	6	1	UNL	7			50	46	41	71	00	0
10	3	UNL	12	63	51	38	40	25	11	8	95	7			62	53	44	52	12	6
13	4	UNL	15	65	50	34	32	30	11	10	250	12			69	57	48	47	15	9
16	4	UNL	15	69	53	37	31	26	6	10	85	12			64	55	47	54	16	11
19	1	UNL	10	61	49	35	38	21	4	10	70	8			59	52	46	62	18	12
22	7	85	10	53	48	44	72	14	6	10	50	5	RF		53	51	50	90	10	6
DAY 25																				
01	10	14	5	45	44	42	89	32	12	10	44	15			46	42	37	71	29	13
04	10	20	7	43	42	41	93	33	12	10	60	15			47	42	35	63	29	14
07	10	21	15	43	40	37	79	31	16	9	75	15			49	42	34	56	30	13
10	10	29	15	45	41	35	68	30	20	6	90	15			56	47	36	47	30	18
13	10	34	15	48	42	35	61	32	18	0	UNL	15			65	51	37	36	31	16
16	10	31	10	47	42	37	68	31	16	0	UNL	15			69	52	35	29	31	17
19	10	20	8	43	41	38	83	30	14	0	UNL	15			62	50	37	40	31	7
22	10	60	10	44	41	38	80	28	11	0	UNL	15			57	47	37	47	24	6
DAY 26																				
01	10	14	5	45	44	42	89	32	12	10	44	15			46	42	37	71	29	13
04	10	20	7	43	42	41	93	33	12	10	60	15			47	42	35	63	29	14
07	10	21	15	43	40	37	79	31	16	9	75	15			49	42	34	56	30	13
10	10	29	15	45	41	35	68	30	20	6	90	15			56	47	36	47	30	18
13	10	34	15	48	42	35	61	32	18	0	UNL	15			65	51	37	36	31	16
16	10	31	10	47	42	37	68	31	16	0	UNL	15			69	52	35	29	31	17
19	10	20	8	43	41	38	83	30	14	0	UNL	15			62	50	37	40	31	7
22	10	60	10	44	41	38	80	28	11	0	UNL	15			57	47	37	47	24	6
DAY 27																				
01	10	14	5	45	44	42	89	32	12	10	44	15			46	42	37	71	29	13
04	10	20	7	43	42	41	93	33	12	10	60	15			47	42	35	63	29	14
07	10	21	15	43	40	37	79	31	16	9	75	15			49	42	34	56	30	13
10	10	29	15	45	41	35	68	30	20	6	90	15			56	47	36	47	30	18
13	10	34	15	48	42	35	61	32	18	0	UNL	15			65	51	37	36	31	16
16	10	31	10	47	42	37	68	31	16	0	UNL	15			69	52	35	29	31	17
19	10	20	8	43	41	38	83	30	14	0	UNL	15			62	50	37	40	31	7
22	10	60	10	44	41	38	80	28	11	0	UNL	15			57	47	37	47	24	6
DAY 28																				
01	0	UNL	15	58	54	50	75	35	4	10	UNL	10			67	57	49	53	24	8
04	0	UNL	15	53	51	49	86	00	0	7	250	12			63	55	48	58	24	7
07	0	UNL	7	63	57	52	68	00	0	10	250	12			64	57	51	63	24	5
10	0	UNL	7	76	63	55	48	18	5	10	250	10			73	62	55	53	23	7
13	0	UNL	8	84	67	57	40	15	12	10	250	9			80	66	58	47	26	6
16	0	UN																		

WILMINGTON DEL

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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	7	29.79	48	45	41	77	9.2	33	2.7
04	7	29.78	47	44	40	77	9.1	32	2.9
07	7	29.80	48	45	40	75	11.2	31	3.3
10	7	29.81	55	49	41	53	13.9	31	3.9
13	7	29.78	60	51	43	56	14.3	30	3.7
16	8	29.76	60	51	42	56	13.9	24	4.7
19	7	29.78	54	48	41	64	11.0	25	2.8
22	7	29.80	50	46	42	74	9.4	22	

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

APR 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	.06	.02	.23	.04	.05	.05	.03	T											T	.02	.03	.07	.01	.05	3
4																									4
5																									5
6																									6
7													T	.06	.01	.01	T	T		T	.02	.08	.02	T	7
8	T	T	.01	.05							T	.02	.16	.02	.02	.09	.02		T	.01	.01				8
9			T		.08	.29	.13	.18	.18	.37	.03	T	T	T	T			T				.05	.22		9
10	.16	.02	.01	.01	.08	.29	.13	.18	.18	.37	.03	T	T	T	T			T							10
11			T	.01	T	T	T	.02	T	T	T		T	T			T	T							11
12																									12
13																									13
14																									14
15															.03	.13	.11	.16	.16	.11	.20	.27	.07		15
16	.10	.15	.25	.19	.15	.05	T	T	T	T	T	T													16
17																						T	T		17
18																									18
19						T	T	.01	T	.01	T	T	.02	T	T	T	T	.01	T	T	.01	.01	T	T	19
20	T	.01	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	20
21																									21
22																									22
23																									23
24	.06	.03	.07	.11	.26	.21	.06	T	T	T	T	T	T	T			T	.05	.19	.01	.02	.02	.03	.02	24
25	.09	.03	T	.02									T	T			T	.01	T	T	.01	.01	.02	.18	25
26																									26
27																									27
28																									28
29																									29
30																									30

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	00.12	00.17	00.20	00.22	00.30	00.36	00.39	00.45	00.50	00.58	00.69	00.74
ENDED: DATE	03	03	03	03	10	10	10	10	10	10	10	10
ENDED: TIME	0214	0219	0224	0229	0941	0956	1011	0941	0937	0947	0949	0948

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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