

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

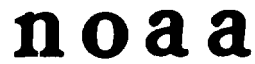
AUG 1983 WILMINGTON, DELAWARE

DATE	TEMPERATURE °F			DEGREE DAYS BASE 65°F		WEATHER TYPES	SNOW ICE PELLETS OR ICE ON GROUND AT 07AM INCHES	PRECIPITATION		AVERAGE STATION PRESSURE IN INCHES	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)	ELEV. FEET ABOVE M.S.L.	RESULTANT DIR.	RESULTANT SPEED	AVERAGE SPEED	FASTEST MILE	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT
1	90	72	81	5	68	0	16	8	0	0	29.96	23	5.6	7.6	14	19			8	6	1
2	91	70	81	5	61	0	16		0	0	30.04	31	6.4	6.5	14	32			4	4	2
3	89	68	79	3	59	0	14		0	0	30.08	19	3.4	8.3	20	18			2	1	3
4	89	73	81	5	68	0	16		0	0	30.02	21	7.4	7.9	13	21			7	6	4
5	85	72	79	3	67	0	14		0	0	30.02	18	6.2	6.3	16	18			9	9	5
6	88	70	79	3	67	0	14		0	0	29.90	23	2.3	5.9	16	18			7	6	6
7	94	71	83	7	65	0	18	1	8	0	29.83	28	4.3	5.8	9	34			2	2	7
8	96	71	84	8	67	0	19	1	8	0	29.80	24	7.6	8.5	14	24			1	1	8
9	95	71	83	7	65	0	18	1	8	0	29.76	31	7.7	8.9	15	33			2	2	9
10	84	65	75	-1	59	0	10		0	0	29.94	17	1.4	10.9	16	18			3	4	10
11	89	69	79	3	71	0	14	1 3	8	0	29.78	14	8.1	11.7	32	32			8	9	11
12	80	62	71	-5	64	0	6	1	8	0	29.68	30	8.7	13.5	21	31			8	9	12
13	75	56	66	-9	52	0	1		0	0	30.01	02	11.1	11.7	16	03			10	9	13
14	79	53*	66*	-9	50	0	1		0	0	30.09	05	3.7	8.2	15	06			1	1	14
15	84	57	71	-4	55	0	6		0	0	30.08	26	3.1	7.1	12	18			2	1	15
16	83	59	71	-4	59	0	6		0	0	30.09	20	6.6	8.5	16	18			2	1	16
17	88	62	75	0	63	0	10	1	8	0	29.98	23	6.0	9.2	16	16			2	3	17
18	89	70	80	5	70	0	15	1	8	0	29.80	25	7.9	9.1	16	25			9	8	18
19	91	73	82	7	67	0	17	1	8	0	29.87	31	7.3	9.5	13	35			3	3	19
20	100*	71	86*	11	59	0	21	1	8	0	29.80	26	9.2	11.1	18	24			0	0	20
21	89	63	76	2	54	0	11		0	0	29.92	31	8.9	9.9	14	32			0	0	21
22	95	63	79	5	64	0	14	3	8	0	29.84	23	7.9	11.1	39	31			3	4	22
23	84	70	77	3	66	0	12	1	8	0	29.99	36	4.9	8.3	14	07			8	7	23
24	85	66	76	2	63	0	11	1	8	0	30.20	14	4.0	6.3	21	18			3	4	24
25	85	66	76	2	61	0	11	1	8	0	30.24	17	5.5	7.6	17	17			4	3	25
26	84	61	73	0	61	0	8		0	0	30.11	20	5.7	9.2	20	17			1	1	26
27	92	64	78	5	66	0	13		8	0	29.93	21	7.2	8.8	14	20			1	3	27
28	85	74	80	7	70	0	15	1	8	0	29.84	18	8.9	10.8	16	17			10	10	28
29	86	68	77	4	69	0	12	1 3	8	0	29.79	03	4.4	6.9	14	07			9	8	29
30	85	62	74	1	67	0	9	1	8	0	29.85	20	5.1	9.2	18	18			3	4	30
31	81	69	75	3	67	0	10	1	8	0	29.82	24	6.4	7.8	14	32			10	10	31
SUM	SUM	SUM	SUM	SUM	SUM	TOTAL	TOTAL	NUMBER OF DAYS	TOTAL	TOTAL	FOR THE MONTH:				TOTAL	%	SUM	SUM			
2710	2061					0	378		1.29	0	29.94	24	2.9	8.8	39	31			FOR	142	139
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	DEP.	PRECIPITATION	DEP.		DATE:	22	POSSIBLE	MONTH	AVG.	AVG.			MONTH	4.6	4.5
87.4	66.5	77.0	2.2	64		0	74	> .01 INCH	7	-2.74											
NUMBER OF DAYS						SEASON TO DATE	TOTAL	TOTAL	SNOW, ICE PELLETS > 1.0 INCH	0	GREATEST IN 24 HOURS AND DATES				GREATEST DEPTH ON GROUND OF SNOW, ICE PELLETS OR ICE AND DATE						
MAXIMUM TEMP.		MINIMUM TEMP.		DEP.		DEP.	DEP.	THUNDERSTORMS	3	PRECIPITATION	SNOW, ICE PELLETS										
5 90°	2 32°	2 32°	2 0°	0	0	0	178	HEAVY FOG	0	.84	11-12	0									
9	0	0	0	0	0	0	178	CLEAR	17	PARTLY CLOUDY	4	CLOUDY	10								

* 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.

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE
 NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

L. Roy Horst
 ACTING DIRECTOR
 NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

AUG 1983 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	5	UNL	5	H		77	72	69	76	31	6	0	UNL	4	H		76	72	70	82	23	8
04	2	UNL	5	H		74	70	68	82	33	7	0	UNL	3	H		72	69	68	87	24	5
07	0	UNL	3	H		76	70	67	74	32	10	1	UNL	1	4 FH		76	72	70	82	27	7
10	3	UNL	4	H		84	72	66	55	36	10	1	UNL	7			90	75	68	48	24	13
13	3	UNL	4	H		89	73	66	47	36	10	0	UNL	7			98	79	71	42	26	16
16	1	UNL	4	H		91	75	67	45	28	9	0	UNL	4	H		99	80	72	42	22	12
19	9	UNL	4	H		84	72	66	55	26	6	0	UNL	5	H		92	77	70	49	33	8
22	0	UNL	4	H		77	70	67	71	25	8	0	UNL	7			83	69	62	49	31	8
DAY 20																						
DAY 21																						
01	0	UNL	15			73	60	50	44	32	12	0	UNL	15			73	60	50	44	32	12
04	0	UNL	15			65	58	53	65	31	8	0	UNL	15			65	58	53	65	31	8
07	0	UNL	20			70	62	56	61	32	7	0	UNL	20			70	62	56	61	32	7
10	0	UNL	20			79	64	55	44	36	11	0	UNL	20			79	64	55	44	36	11
13	0	UNL	20			85	66	54	35	31	10	0	UNL	20			85	66	54	35	31	10
16	1	UNL	20			88	66	52	29	27	7	1	UNL	20			88	66	52	29	27	7
19	9	UNL	15			81	64	53	38	28	8	2	UNL	15			81	64	53	38	28	8
22	0	UNL	15			72	63	58	62	33	6	0	UNL	15			72	63	58	62	33	6
DAY 22																						
DAY 23																						
DAY 24																						
01	0	UNL	15			68	61	57	68	29	5	10	23	6	H		70	67	65	84	00	0
04	0	UNL	15			64	60	57	78	24	3	5	UNL	6	H		70	67	65	84	00	0
07	0	UNL	12			69	64	61	76	09	4	7	UNL	4	8 FH		70	67	66	87	36	4
10	10	34	12			84	70	63	49	18	12	7	70	8			78	67	61	56	14	7
13	0	UNL	10			92	74	66	42	22	16	9	85	8			83	71	64	53	06	8
16	0	UNL	9			94	76	68	43	20	16	10	70	8			84	71	64	51	32	11
19	10	50	10		T	77	70	67	71	27	14	8	70	8			78	69	64	62	31	4
22	10	75	7			74	71	69	84	28	7	0	UNL	6	H		72	69	67	84	20	7
DAY 25																						
DAY 26																						
DAY 27																						
01	6	48	7			70	66	63	79	00	0	0	UNL	12			67	63	61	81	18	8
04	7	44	7			67	64	63	87	01	4	0	UNL	10			65	63	61	87	20	6
07	8	50	3		FH	70	66	64	81	08	5	1	UNL	10			69	66	64	84	20	6
10	0	UNL	8			78	68	62	58	14	5	0	UNL	15			81	72	67	63	29	8
13	3	UNL	12			83	67	58	43	19	6	0	UNL	15			88	74	68	52	22	11
16	7	UNL	12			82	69	62	51	17	14	5	UNL	15			89	74	67	48	20	12
19	1	UNL	12			75	66	60	60	18	11	4	UNL	15			82	76	74	77	18	6
22	0	UNL	12			68	63	59	73	20	7	0	UNL	15			80	72	68	67	27	4
DAY 28																						
DAY 29																						
DAY 30																						
01	10	250	7			77	70	66	69	20	6	10	28	4	H		74	71	70	87	32	4
04	10	100	7			74	69	67	79	19	8	10	5	2	FH		73	71	70	90	07	12
07	10	55	4		H	75	72	70	85	32	6	10	50	2	8 RH		73	70	69	87	34	6
10	10	55	5		H	78	73	71	79	17	12	10	16	4	H		78	73	70	77	04	8
13	10	48	6		H	81	74	71	72	17	11	10	24	4	H		82	74	70	67	36	6
16	9	250	4		H	85	76	72	65	22	7	5	UNL	3	H		85	75	70	61	12	6
19	10	7	2		8	77	74	72	85	18	11	10	32	4	H		81	73	70	69	00	0
22	10	8	5		H	75	72	70	85	17	14	2	UNL	10			70	66	64	81	33	6
DAY 31																						
01	10	75	5		F	72	69	68	87	19	7						66	64	63	90	29	7
04	10	5	4		F	73	70	69	87	22	5						64	62	61	90	31	5
07	10	85	2		F	73	71	70	90	20	6						67	65	64	90	33	6
10	10	75	6		RWH	79	72	68	69	25	4						79	72	68	69	18	4
13	10	85	8			81	72	68	65	27	10						82	73	68	63	16	9
16	10	70	10			75	67	63	66	29	10						84	74	70	63	17	14
19	10	85	10			73	67	63	71	22	6						77	73	71	82	18	12
22	10	70	7			71	66	63	76	25	6						75	72	70	85	20	7

WILMINGTON DEL

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SUMMARY BY HOURS

HOUR L.S.T.	SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	AVERAGES				RESULTANT WIND		
			TEMPERATURE			WIND SPEED (MPH)	DIRECTION	SPEED (MPH)	
			AIR TEMP OF	WET BULB OF	DEW POINT OF				
01	4	29.94	71	66	63	78	6.5	27	3.1
04	4	29.93	69	65	63	82	6.3	29	2.9
07	5	29.96	72	67	64	78	6.9	32	2.9
10	5	29.97	80	70	64	58	9.4	26	1.7
13	5	29.94	85	71	64	50	11.2	23	3.4
16	5	29.90	85	71	63	49	12.2	22	6.4
19	5	29.91	79	69	64	62	9.8	21	4.3
22	4	29.94	74	68	64	73	8.0	23	3.6

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

AUG 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
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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)	00.16	00.27	00.42	00.51	00.56	00.57	00.65	00.71	00.72	00.72	00.74	00.74
ENDED: DATE	11	11	11	11	11	11	11	11	11	11	11	11
ENDED: TIME	1658	1703	1705	1708	1714	1728	1743	1806	1827	1844	1915	1945

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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