

Local Climatological Data



MONTHLY SUMMARY

LATITUDE 39° 40' N LONGITUDE 75° 36' W ELEVATION (GROUND) 74 FT. STANDARD TIME USED: EASTERN WBAN #13781

DATE	TEMPERATURE °F			DEGREE DAYS BASE 65°		WEATHER TYPES ON DATES OF OCCURRENCE 1 FOG 2 HEAVY FOG 3 THUNDERSTORM 4 ICE PELLETS 5 HAIL 6 DRIZZLE 7 DUSTSTORM 8 SMOKE, HAZE 9 BLOWING SNOW	SNOW-ICE PELLETS OR ICE ON GROUND AT 07AM IN.	PRECIPITATION EQUIVA-LENT IN.		AVG. STATION PRES-SURE IN. ELEV. 80 FEET M.S.L.	WIND		SUNSHINE		SKY COVER TENTHS			
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEN. POINT			HEATING (SEASON BEGINS WITH JULY)	COOLING (SEASON BEGINS WITH JAN.)		WATER	SNOW-ICE PELLETS	RESULTANT DIR.	FASTEST MILE	MINUTES	PERCENT OF POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT
1	64	41	53	2	39	12	0	0	0	0	30.11	34	4.8	6.5	14	02	0	0
2	65	35	50	-1	33	15	0	0	0	0	30.12	30	7.5	7.8	16	29	0	0
3	68	40	54	3	33	11	0	0	0	0	30.14	01	4.5	7.2	12	10	1	1
4	54	41	48	-2	47	17	0	0	.02	0	29.88	36	6.4	6.8	13	36	10	6
5	70	45	58	8	43	7	0	1	0	0	29.95	33	1.6	1.7	9	05	8	6
6	66	45	56	6	49	9	0	0	0	0	30.00	16	3.8	3.9	14	17	5	6
7	63	42	53	4	46	12	0	0	0	0	29.88	02	4.0	4.6	10	08	10	6
8	53	42	48	-1	39	17	0	0	0	0	29.97	01	9.8	10.5	15	02	10	10
9	62	32	47	-1	34	18	0	0	0	0	30.00	24	5.1	5.5	12	27	0	0
10	65	33	49	1	39	16	0	0	0	0	30.13	15	2.7	2.9	10	17	3	7
11	63	44	54	6	45	11	0	1	0	0	30.18	33	5.1	6.0	12	32	7	4
12	58	41	50	3	40	15	0	1	0	0	30.21	03	5.8	6.4	15	06	10	8
13	50	46	48	1	38	17	0	1	0	0	30.32	09	8.7	10.1	15	09	10	13
14	68	48	58	13	46	6	0	0	0	0	30.15	21	7.8	8.1	16	23	8	14
15	62	46	54	8	44	11	0	1	0	0	30.17	34	5.9	6.8	12	32	6	10
16	48	42	45	-1	38	20	0	1	.17	0	30.32	05	10.5	10.8	13	02	10	15
17	62	46	54	8	46	11	0	1	.24	0	30.22	10	8.9	12.5	17	07	10	17
18	67	38	53	8	46	12	0	0	.54	0	30.00	28	8.4	15.4	20	22	0	3
19	54	34	44	0	31	21	0	0	0	0	30.29	31	8.5	8.9	14	33	2	1
20	50	32	41	-3	28	24	0	0	0	0	30.43	02	4.1	5.5	14	07	6	5
21	48	34	41	-3	29	24	0	0	0	0	30.36	03	8.1	8.8	12	05	10	9
22	41	34	38	-5	28	27	0	0	0	0	30.33	04	8.7	9.5	13	02	10	10
23	51	35	43	0	37	22	0	1	.13	0	30.09	09	6.0	10.2	14	18	10	10
24	56	39	48	6	38	17	0	1	.03	0	29.70	30	10.9	12.4	22	32	7	7
25	45	35	40	-2	25	25	0	0	0	0	29.87	29	14.2	15.1	21	32	10	8
26	38	27	33	-8	15	32	0	0	0	0	30.07	35	8.4	9.5	16	34	8	6
27	37	24	31	-10	26	34	0	2	.84	4.5	30.01	06	9.2	10.8	18	06	10	10
28	43	33	38	-3	31	27	0	2	.03	0	29.91	27	5.2	6.6	13	29	10	9
29	42	28	35	-5	27	30	0	1	.53	0	30.14	06	1.8	4.3	12	34	10	9
30	53	33	43	3	33	22	0	1	.02	0	29.87	28	7.3	6.3	17	30	10	10

NOVEMBER 1978 WILMINGTON, DELAWARE

SUM	SUM	TOTAL		TOTAL		TOTAL		TOTAL		FOR THE MONTH		TOTAL		SUM		SUM	
1687	1137	542		0		2.89		4.5		30.10 35		3.0 8.2		22 32		212 208	
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	PRECIPITATION	DEP.	PRECIPITATION	DEP.	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
55.6	37.9	46.8	1.1	36	-37	0	-0.80	0	0	11	24	24	24	24	24	24	24

SUMMARY BY HOURS

* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.
 T TRACE AMOUNT.
 * ALSO ON AN EARLIER DATE, OR DATES.
 HEAVY FOG - VISIBILITY 1/4 MILE OR LESS.
 FIGURES FOR WIND DIRECTIONS ARE TENS OF DEGREES CLOCKWISE FROM TRUE NORTH. 00 = CALM.
 DATA IN COLS. 6 AND 12-15 ARE BASED ON 7 DR

MORE OBSERVATIONS PER DAY AT 3-HOUR INTERVALS. FASTEST MILE SPEEDS ARE FASTEST OBSERVED ONE-MINUTE VALUES WHEN DIRECTIONS ARE IN TENS OF DEGREES. THE / WITH THE DIRECTION INDICATES PEAK DUST SPEED.
 ANY ERRORS DETECTED WILL BE CORRECTED AND CHANGES IN SUMMARY DATA WILL BE ANNOTATED IN THE ANNUAL SUMMARY

HOUR	LOCAL TIME	SKY COVER TENTHS	TEMPERATURE				RELATIVE HUMIDITY %	WIND SPEED M.P.H.	DIRECTION	RESULTANT WIND SPEED M.P.H.
			AIR °F	WET BULB °F	DEW PT. °F	STATION PRESSURE IN.				
01	6	30.09	43	40	36	78	7.1	34	3.8	
04	7	30.06	42	39	36	81	6.9	35	3.0	
07	7	30.11	41	39	36	82	6.2	35	2.9	
10	7	30.18	48	43	37	68	9.8	01	4.3	
13	7	30.08	53	48	36	59	10.7	34	5.8	
16	7	30.07	53	45	37	57	9.5	36	5.6	
19	7	30.09	48	43	37	67	8.4	32	1.9	
22	7	30.10	45	41	36	73	7.1	35	1.8	

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

DATE	A. M. HOUR ENDING AT												P. M. HOUR ENDING AT											
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
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OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	SKY COVER			VISI-BILITY	TEMPERATURE				WIND	SKY COVER			VISI-BILITY	TEMPERATURE				WIND	SKY COVER			VISI-BILITY	TEMPERATURE				WIND				
	UNL	CLD	CLR		AIR	WET	DEW	REL. HUM.		DIR	SPEED	UNL		CLD	CLR	AIR	WET		DEW	REL. HUM.	DIR		SPEED	UNL	CLD	CLR		AIR	WET	DEW	REL. HUM.
01	0	UNL	8		42	40	38	86	31		0	UNL	8		40	38	36	86	33		0	UNL	10		42	37	30	83	31	8	
04	0	UNL	8		43	40	37	79	30		0	UNL	7		39	37	35	86	31		0	UNL	10		43	38	30	80	34	8	
07	0	UNL	7		47	43	38	71	00		0	UNL	7		35	34	32	89	31		0	UNL	9		42	37	30	63	33	6	
10	0	UNL	12		58	48	40	51	02	12	0	UNL	15		57	47	36	46	30	8	0	UNL	10		61	49	35	38	02	6	
13	0	UNL	10		64	52	41	43	34		0	UNL	25		63	48	30	28	29	14	0	UNL	8		65	51	36	14	02	4	
16	0	UNL	12		62	51	38	43	36		0	UNL	20		63	48	29	28	29	14	0	UNL	7		65	50	34	32	06	7	
19	0	UNL	10		51	44	37	58	31		0	UNL	15		52	43	31	45	28	9	0	UNL	8		57	47	35	44	12	7	
22	0	UNL	8		48	44	40	74	22		0	UNL	12		43	38	32	65	28	9	0	UNL	8		52	44	35	53	04	4	
DAY 04																															
01	3	UNL	7		46	44	43	88	00	0	10	200	4		51	50	48	93	30	4	5	UNL	7		47	45	42	83	00	0	
04	4	UNL	7		43	42	41	93	35	6	10	75	6		49	47	44	83	35	4	10	0	0		46	46	46	100	00	0	
07	10	1	0		48	48	48	98	02	7	9	250	7		53	49	45	74	34	4	10	0	0		46	46	46	100	00	0	
10	5	1	0		53	51	49	86	06	7	7	9	250	7		67	53	40	37	00	0	1	UNL	5		62	55	50	65	14	8
13	6	2	0		54	52	50	86	01	6	7	UNL	10		70	54	38	31	00	0	6	UNL	5		61	55	51	70	17	7	
16	10	7	2		54	52	50	86	01	6	8	UNL	10		58	51	42	54	00	0	10	2	0		55	54	54	86	17	12	
19	10	85	4		53	51	50	80	36	7	3	UNL	9		58	51	42	54	00	0	10	0	0		54	53	53	96	00	0	
22	10	75	4		52	50	48	86	31	5	2	UNL	7		58	51	42	54	00	0	10	0	0		54	53	53	96	00	0	
DAY 05																															
01	10	0	0		48	48	48	96	00	0	10	75	9		51	46	40	66	36	10	2	UNL	8		40	38	35	82	00	0	
04	2	UNL	0		46	45	44	93	00	0	10	85	10		48	44	40	74	01	9	0	UNL	7		36	34	32	85	27	4	
07	4	UNL	0		47	47	46	96	00	0	10	29	10		48	44	40	74	01	9	0	UNL	6		33	32	30	89	26	5	
10	10	2	0		51	50	49	93	36	5	10	16	12		50	45	40	69	03	13	0	UNL	8		51	44	37	58	24	6	
13	10	250	2		81	54	48	83	06	8	10	16	12		50	45	40	69	03	13	0	UNL	15		58	47	32	36	25	9	
16	10	100	2		82	54	47	98	03	5	10	28	10		50	45	39	66	03	10	0	UNL	15		58	48	37	44	23	8	
19	10	85	3		57	51	45	64	34	8	10	20	10		48	44	39	69	35	4	0	UNL	12		49	43	35	58	21	6	
22	10	70	3		55	48	42	62	03	6	8	29	10		43	40	37	79	32	6	0	UNL	10		45	41	36	71	00	0	
DAY 06																															
01	0	UNL	5		38	37	35	89	00	0	10	10	1		48	46	45	89	35	6	4	UNL	1		44	43	41	88	27	5	
04	8	UNL	4		36	35	34	92	00	0	10	31	2		51	48	46	83	00	0	4	UNL	1		42	41	38	88	31	6	
07	7	40	4		34	33	32	92	00	0	10	32	1		50	47	45	83	04	3	9	100	1		44	42	40	86	30	5	
10	2	UNL	4		54	48	42	64	00	0	7	250	2		55	50	45	60	04	4	10	90	0		53	49	45	74	38	6	
13	1	UNL	7		64	51	37	37	14	7	4	UNL	4		62	54	47	58	32	8	10	90	4		56	49	42	60	06	10	
16	1	UNL	8		51	52	42	52	17	9	4	UNL	2		57	52	47	69	32	10	10	85	4		55	47	38	55	08	13	
19	0	UNL	8		48	47	45	85	13	9	1	UNL	2		47	45	43	86	30	4	10	4	0		47	46	44	36	07	11	
22	0	UNL	0		47	46	45	93	00	0	1	UNL	2		45	43	41	88	30	5	10	28	10		48	43	35	58	05	8	
DAY 07																															
01	10	31	10		48	42	35	81	05	10	10	29	10		50	46	42	74	13	4	9	90	8		57	53	49	75	31	4	
04	10	28	8		47	44	41	80	05	18	10	25	8		51	47	44	77	14	4	10	50	7		55	52	50	83	31	4	
07	10	19	8		46	43	40	80	07	10	8	100	10		50	47	43	77	22	4	10	48	5		55	53	50	80	38	6	
10	10	28	8		48	43	37	65	09	13	4	UNL	15		57	52	47	60	21	10	8	120	15		60	48	34	38	32	10	
13	10	32	11		48	43	36	61	12	9	8	UNL	15		66	56	48	52	21	14	10	55	15		59	48	36	42	32	7	
16	10	29	12		50	44	37	61	12	8	7	UNL	10		64	55	47	54	24	9	10	50	7		58	49	42	60	01	4	
19	10	31	10		50	44	37	61	12	8	10	250	8		61	54	47	60	23	8	10	36	5		49	46	44	83	02	5	
22	10	29	10		48	44	39	68	14	4	10	80	10		59	53	48	67	23	8	10	32	4		48	46	43	83	05	8	
DAY 08																															
01	10	11	2		45	44	42	89	04	9	10	40	9		46	40	33	61	05	11	10	11	6		63	61	59	87	18	10	
04	10	4	2		43	42	40	89	05	8	10	22	8		47	42	37	68	06	13	10	11	7		66	62	60	81	22	17	
07	10	7	5		43	42	40	89	04	9	10	29	6		47	44	41	80	07	8	2	UNL	12		61	58	56	84	26	9	
10	10	34	9		43	42	40	89	04	10	10	11	3		54	46	43	83	09	6	10	UNL	20		63	54	46	54	28	4	
13	10	34	9		45	41	37	74	02	11	10	4	2		53	51	48	86	11	12	0	UNL	25		65	53	42	83	35	13	
16	10	60	10		47	42	35	63	05	8	10	4	2		57	55	53	87	11	4	0	UNL	15		57	48	38	48	32	15	
19	10	120	10		46	41	34	63	07	8	10	3	2		60	58	57	90	16	13	0	UNL	12		47	41	34	61	32	9	
22	10	120	10		46	40	33	61	06	10	10	3	4		58	56	55	90	18	12	0	UNL	10		41	37	32	70	31	6	
DAY 09																															
01	0	UNL	12		38	35	31	76	29	7	0	UNL	12		37	34	30	76	32	8	2	UNL	15		34	31	26	73	02	7	
04	0	UNL	12		37	34	30	76	31	4	0	UNL	12		36	33	29	76	02	6	9	34	15		39	35	28	67	03	5	
07	0	UNL	6		34	32	28	79	29	8	0	UNL	9		32	30	26	79	35	6	8	250	7		39	35	30	70	34	7	
10	0	UNL	10		49	42	32	52	32	11	0	UNL	12		45	38	27	48	07	12	10	85	8		42	37	30	63	06	8	
13	0	UNL	12		51	43	32	48	31	10	10	UNL	15		49	40	27	43	00	0	10	34	7		47	41	32	56	05	10	
16	0	UNL	12		51	43	32	48	32	10	10	UNL	12		48	40	28	44	00	0	10	29	8		46	40	31	56	02	9	
19	0	UNL	10		43	38	32	65	27	7	10	UNL	10		43	37	29	56	00	0	10	28	8		42	37	29	60	02	8	
22	0	UNL	9		38	35	30	73	32	5	5	UNL	9		37	34	28	70	04	6	10	90	8		38	34					