

Local Climatological Data

MONTHLY SUMMARY



LATITUDE 37° 30' N LONGITUDE 77° 20' W ELEVATION (GROUND) 164 FT. STANDARD TIME USED: EASTERN WBAN #13740

DATE	TEMPERATURE °F					DEGREE DAYS		WEATHER TYPES ON DATES OF OCCURRENCE 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 IN.	PRECIPITATION		AVG. STATION PRESSURE IN. ELEV. FEET M.S.L.	WIND			SUNSHINE		SKY COVER TENTHS		DATE		
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT	HEATING (SEASON BEGINS WITH JULY)	COOLING (SEASON BEGINS WITH JAN.)			WATER EQUIVALENT IN	SNOW, ICE PELLETS IN.		RESULTANT DIR.	RESULTANT SPEED M.P.H.	AVERAGE SPEED M.P.H.	FASTEST MILE SPEED M.P.H.	DIRECTION	MINUTES	PERCENT OF POSSIBLE		SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT
1	99	75	87	9	70	0	22	8	0	0	0	29.74	26	5.1	8.2	21	N	643	76	7	6	1
2	99	72	86	8	70	0	21	8	0	0	0	29.70	22	7.1	7.5	13	SW	843	100	1	2	2
3	99	79	89*	11	73	0	24	8	0	0	0	29.64	22	8.5	8.9	17	SW	716	85	4	4	3
4	99	71	85*	7	72	0	20	3	8	0	0	29.75	21	5.1	9.1	24	SE	653	78	6	6	4
5	96	74	87	9	74	0	22	1	3	8	0	29.86	16	5.1	8.8	42	SE	554	66	5	5	5
6	96	73	85	7	72	0	20	1	3	8	0	29.94	29	5.0	7.1	14	NW	777	93	6	6	6
7	94	73	84	7	74	0	19	1	3	8	0	29.93	07	1.8	3.9	9	SE	682	82	4	4	7
8	97	72	85	8	74	0	20	1	3	8	0	29.80	16	4.2	5.6	9	SE	754	91	2	2	8
9	97	73	85	8	74	0	20	3	8	0	0	29.70	21	3.1	7.9	26	NW	440	59	7	7	9
10	99	73	85	8	73	0	20	1	3	8	0	29.73	24	6.1	7.6	19	SW	594	72	8	8	10
11	99*	73	85	8	75	0	21	1	3	8	0	29.72	28	7.8	9.8	17	NW	520	75	5	5	11
12	94	78	86	9	73	0	21	1	3	8	0	29.82	09	3.1	6.2	10	NW	539	65	8	8	12
13	91	71	81	4	64	0	16	1	3	8	0	29.80	23	6.6	6.8	16	SW	601	73	4	3	13
14	97	67	82	5	70	0	17	1	3	8	0	29.71	23	7.0	8.1	22	SW	548	67	8	7	14
15	96	76	86	9	74	0	21	1	3	8	0	29.71	23	7.0	8.1	22	SW	548	67	8	7	15
16	85	67	76	0	62	0	11	1	3	8	0	29.80	34	9.4	9.8	18	N	570	70	5	5	16
17	79	61	70	-6	58	0	5	1	3	8	0	30.01	04	1.9	6.2	9	NE	466	57	9	8	17
18	76	64	70	-6	68	0	5	1	3	8	0	29.34	16	7.4	7.6	11	SE	162	20	10	10	18
19	84	69	77	1	72	0	12	1	3	8	0	29.83	35	1.4	4.5	9	NE	605	75	8	7	19
20	90	69	80	4	69	0	15	1	3	8	0	29.75	02	5.8	6.0	12	N	647	80	6	6	20
21	76	64	70	-6	69	0	5	1	3	8	0	29.77	04	5.3	7.1	10	NE	141	18	10	9	21
22	78	61	70*	-6	65	0	5	1	3	8	0	29.79	01	7.7	8.2	15	N	434	54	9	8	22
23	81	65	73	-2	65	0	8	1	3	8	0	29.91	01	4.0	5.5	11	N	417	52	6	6	23
24	90	67	79	4	65	0	14	1	3	8	0	29.94	06	1.1	3.5	13	SE	743	93	3	3	24
25	93	62	78	3	64	0	13	1	3	8	0	29.95	02	1.8	4.6	13	N	684	86	2	2	25
26	90	61*	76	1	64	0	11	1	3	8	0	29.96	14	2.6	3.7	9	SE	677	85	0	0	26
27	96	64	80	5	63	0	15	1	3	8	0	29.97	21	3.8	5.3	9	NW	791	100	0	0	27
28	98	66	82	7	65	0	17	1	3	8	0	29.99	25	6.6	5.8	9	N	724	99	1	1	28
29	95	68	82	8	68	0	17	1	3	8	0	30.00	12	6.6	6.3	15	SE	750	90	1	1	29
30	95	70	83	9	68	0	18	1	3	8	0	29.98	18	6.9	6.8	16	SE	733	93	6	4	30
31	95	72	84	10	72	0	19	1	3	8	0	29.92	18	8.6	9.1	16	SE	717	92	4	3	31

SUM		SUM		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL	
285.4	214.9			0	494	NUMBER OF DAYS	2	15	0	29.84	22	1.6	7.0	42	SE	1904.7	FOR	16.1	155		
AVG	AVG	AVG	DEP	DEP	PRECIPITATION	DEP	PRECIPITATION	DEP	PRECIPITATION	DATE: 05	POSSIBLE MONTH	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG
92.1	69.3	80.7	4.4	6.9	0	144	>.01 INCH	7	-2.91			25250	75	5.2	5.0						

NUMBER OF DAYS		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL	
MAXIMUM TEMP	MINIMUM TEMP	0	1392	THUNDERSTORMS	6	PRECIPITATION	SNOW, ICE PELLETS	GREATEST IN 24 HOURS AND DATES	GREATEST DEPTH ON GROUND OF SNOW	ICE PELLETS OR ICE AND DATE					
39.0	< 32.0	< 32.0	< 0.0	HEAVY FOG	0	1.62	18	0	0	0					
24	0	0	0	CLEAR	6	PARTLY CLOUDY	15	CLOUDY	8						

* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.
 † 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 OR MORE OBSERVATIONS PER DAY AT 3-HOUR INTERVALS.
 FASTEST MILE WIND SPEEDS ARE FASTEST OBSERVED ONE-MINUTE VALUES WHEN DIRECTIONS ARE IN TENS OF DEGREES, THE / WITH THE DIRECTION INDICATES PEAK WIND SPEED.
 ANY ERRORS DETECTED WILL BE CORRECTED AND CHANGES IN SUMMARY DATA WILL BE ANNOTATED IN THE ANNUAL SUMMARY

more observations per day at 3-hour intervals. fastest mile wind speeds are fastest observed one-minute values when directions are in tens of degrees, the / with the direction indicates peak wind speed. any errors detected will be corrected and changes in summary data will be annotated in the annual summary

SUMMARY BY HOURS

HOUR	LOCAL TIME	SKY COVER TENTHS	STATION PRESSURE IN.	TEMPERATURE				RELATIVE HUMIDITY %	WIND SPEED M.P.H.	DIRECTION	RESULTANT WIND SPEED M.P.H.
				AIR °F	WET BULB °F	DEW PT. °F	RELATIVE HUMIDITY %				
01	5	29.84	74	71	70	86	5.5	19	1.8		
04	4	29.83	72	70	69	91	5.0	21	2.3		
07	5	29.86	73	71	70	91	6.4	23	1.4		
10	4	29.87	83	74	70	65	7.9	26	2.2		
13	6	29.85	89	74	68	52	8.5	24	3.6		
16	6	29.81	90	74	67	49	9.9	29	1.1		
19	6	29.81	83	73	69	64	7.0	16	2.4		
22	4	29.85	76	72	70	82	5.5	17	1.9		

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

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																									2
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I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, AND IS

OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	VISI-BILITY			TEMPERATURE				WIND			VISI-BILITY			TEMPERATURE				WIND											
	SKY COVER	CEILING	WIND	AIR * F	NET BULB * F	DEW PT. * F	REL. HUM. %	DIR	SPEED KNOTS	SKY COVER	CEILING	WIND	AIR * F	NET BULB * F	DEW PT. * F	REL. HUM. %	DIR	SPEED KNOTS											
01	UNL	3	DAY 01	76	74	73	90	19	6	2	UNL	7	DAY 02	78	72	69	74	24	7	4	UNL	6	DAY 03	80	76	74	82	19	6
04	UNL	3		78	73	71	79	21	6	0	UNL	7		75	70	68	79	27	4	3	UNL	5		81	77	76	85	20	7
07	UNL	3		80	75	73	79	21	8	0	UNL	7		75	72	70	85	25	5	4	UNL	5		80	77	76	88	22	7
10	UNL	4		92	78	73	84	23	10	0	UNL	8		88	75	69	83	21	6	3	UNL	3		80	80	76	84	21	10
13	UNL	4		99	80	72	84	23	10	0	UNL	8		96	77	69	82	22	8	3	UNL	5		97	79	72	85	22	7
16	UNL	8		94	75	66	40	34	10	0	UNL	10		98	77	68	38	22	9	6	UNL	7		97	77	69	40	24	11
19	UNL	8		89	72	64	44	30	6	3	UNL	12		90	77	72	56	20	6	2	UNL	6		92	77	70	49	23	8
22	UNL	8		82	74	70	67	24	6	3	UNL	10		84	75	71	65	21	6	6	UNL	6		81	76	74	79	19	8
01	250	6	DAY 04	78	73	70	77	35	8	8	250	5	DAY 05	75	72	70	85	13	4	8	250	5	DAY 06	76	75	74	94	13	3
04	UNL	6		73	71	70	90	17	3	4	UNL	5		75	74	74	97	19	4	4	UNL	5		75	74	73	94	24	6
07	UNL	5		75	73	72	90	18	5	9	80	3		76	76	76	100	18	7	3	UNL	5		77	74	73	88	26	6
10	UNL	5		89	79	75	63	21	8	2	UNL	7		88	79	75	65	19	9	5	UNL	8		90	77	71	54	32	6
13	UNL	6		86	79	72	46	24	8	4	UNL	5		97	80	73	46	24	12	8	UNL	8		94	76	68	43	28	12
16	UNL	7		98	78	70	40	27	10	7	250	7		82	76	74	77	10	7	8	250	8		94	77	69	44	31	10
19	250	7		83	76	73	72	16	17	8	250	7		82	77	75	79	12	10	8	250	10		89	77	72	57	36	6
22	250	7		80	73	70	72	23	4	7	250	7		77	75	74	91	11	4	7	UNL	10		81	77	76	85	10	0
01	250	6	DAY 07	77	76	75	94	34	3	5	UNL	5	DAY 08	77	76	75	94	16	5	3	UNL	5	DAY 09	78	75	74	88	16	4
04	UNL	5		75	75	75	100	00	0	0	UNL	5		74	73	73	97	19	4	4	UNL	5		75	74	73	94	18	6
07	UNL	5		74	74	74	88	01	6	4	UNL	5		74	74	74	97	19	4	10	25	2		75	74	74	97	17	5
10	UNL	3		87	76	72	81	06	3	3	UNL	5		88	79	75	65	19	3	7	UNL	5		85	77	74	70	17	5
13	UNL	3		92	78	73	54	20	4	2	UNL	6		96	78	71	44	22	6	4	UNL	5		95	80	74	51	19	9
16	UNL	3		93	78	72	51	11	6	3	UNL	3		95	78	71	46	09	9	6	250	6		90	79	74	59	23	10
19	UNL	3		86	78	75	70	10	5	1	UNL	3		90	79	74	59	17	5	10	250	7		80	76	75	85	36	7
22	UNL	5		80	77	76	88	00	0	3	UNL	5		82	77	75	79	17	7	10	100	7		75	74	73	94	34	9
01	10	50	7	76	75	74	94	20	3	10	23	7	DAY 11	79	75	74	85	31	7	8	250	8	DAY 12	83	77	75	77	21	11
04	250	7		73	72	72	97	23	9	10	100	6		75	74	74	97	19	7	7	250	8		81	77	75	82	22	8
07	100	7		78	74	73	85	29	5	8	UNL	3		77	76	76	97	17	7	8	250	7		80	76	75	85	22	9
10	100	8		87	76	72	61	29	6	5	UNL	3		87	80	77	72	26	6	10	250	7		86	77	74	68	25	11
13	UNL	8		95	79	73	95	29	8	3	UNL	3		97	81	76	61	22	11	10	80	7		86	77	74	68	24	9
16	UNL	10		93	78	72	51	24	6	4	UNL	3		97	80	74	48	23	11	9	250	8		91	76	70	50	32	10
19	250	8		87	78	74	65	19	11	7	UNL	5		91	79	74	58	21	7	7	250	8		86	75	70	59	28	4
22	10	50	8	82	76	73	74	23	5	8	250	7		87	78	74	65	19	10	8	80	10		80	73	70	72	35	6
01	4	UNL	10	78	71	68	71	35	5	0	UNL	7	DAY 14	71	69	68	90	00	0	0	UNL	5	DAY 15	79	74	72	79	19	7
04	5	UNL	10	74	68	65	74	36	5	0	UNL	7		69	67	66	90	00	0	7	UNL	6		80	76	75	85	22	7
07	4	UNL	8	74	69	66	76	36	8	10	5	2		73	72	71	93	22	5	5	UNL	5		79	75	73	82	22	7
10	0	UNL	10	83	71	64	53	05	7	3	UNL	3		84	76	72	67	23	7	7	UNL	5		89	79	75	63	23	11
13	5	UNL	10	87	71	62	43	08	3	2	UNL	3		96	76	67	39	21	11	10	100	5		90	79	75	61	20	5
16	4	UNL	10	89	72	63	42	12	6	1	UNL	3		96	78	71	44	22	10	10	250	2		94	78	72	49	26	7
19	0	UNL	10	85	70	61	45	29	5	2	UNL	5		91	75	68	47	23	6	10	100	3		80	77	76	68	26	6
22	0	UNL	10	73	68	66	79	14	4	0	UNL	5		81	75	73	77	19	8	10	100	3		78	77	76	94	29	6
01	10	30	3	76	75	75	97	34	6	7	100	10	DAY 17	66	61	58	76	35	6	10	40	10	DAY 18	69	65	63	81	15	5
04	10	6	3	65	69	69	100	36	6	3	UNL	10		63	60	58	84	36	6	10	30	8		69	66	64	84	18	7
07	10	30	3	70	63	63	97	35	6	3	UNL	10		66	61	58	76	01	7	10	25	2		66	65	65	97	13	4
10	3	UNL	10	72	65	64	69	33	13	10	80	15		72	65	60	66	02	5	10	40	2		66	66	66	100	15	10
13	0	UNL	15	81	65	55	41	31	8	8	100	15		77	64	56	48	03	3	10	10	3		71	71	71	100	15	7
16	3	UNL	15	84	64	50	31	35	13	10	100	15		78	64	55	45	17	4	10	18	6		76	73	71	85	17	8
19	8	220	15	78	64	54	44	35	6	10	45	12		74	65	60	62	15	5	10	80	6		75	73	72	90	17	5
22	0	UNL	15	68	62	58	71	36	8	10	45	10		70	63	59	68	17	7	10	80	7		72	71	71	97	15	7
01	8	UNL	7	72	71	70	93	08	3	3	UNL	3	DAY 20	71	71	71	100	00	0	10	45	7	DAY 21	73	70	69	87	11	6
04	7	UNL	5	71	70	70	97	18	4	0	UNL	4		70	70	70	100	00	0	10	40	1		73	73	73	100	05	4
07	7	UNL	5	72	71	71	97	20	4	2	UNL	4		73	72	72	97	01	8	10	14	1		71	71	71	100	05	8
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