

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 GLAZE 7 DUSTSTORM 8 SMOKE, HAZE 9 BLOWING SNOW	SNOW, ICE PELLETS OR ICE ON GROUND AT 07AM IN.	PRECIPITATION		AVG. STATION PRES- SURE IN. ELEV. 80 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 ENDS WITH JUN.)			WATER EQUIVA- LENT IN.	SNOW, ICE PELLETS IN.		RESULTANT DIR.	RESULTANT SPEED M.P.H.	AVERAGE SPEED M.P.H.	FASTEST MILE		MINUTES	PERCENT OF POSSIBLE	SUNRISE TO SUNSET		MIDNIGHT TO MIDNIGHT	
																SPEED M.P.H.	DIRECTION						
1	59	35	47	0	29	18	0	1	0	0.01	0	30.05	04	2.9	10.2	16	16	18	19	20	21	22	
2	62	36	49	1	35	16	0	0	8	0	0	30.03	22	5.6	8.3	15	23	7	6	7	8	9	
3	66	39	53	5	34	12	0	0	0	0	0	30.04	14	3.8	8.9	16	16	5	6	6	7	8	
4	68	48	58	10	44	7	0	1	3	8	0	29.54	27	5.6	10.4	23	31	8	7	8	9	10	
5	60	42	51	2	25	14	0	0	0	0	0	29.67	30	19.0	19.4	28	32	5	6	6	7	8	
6	67	37	52	3	30	13	0	0	0	0	0	30.06	25	5.2	8.5	13	18	5	4	4	5	6	
7	64	45	55	6	37	10	0	0	0	0	0	30.23	14	10.9	11.5	21	16	8	9	9	10	11	
8	70	49	60	10	45	5	0	0	0	0	0	30.17	14	11.8	13.5	23	16	9	9	9	10	11	
9	65	53	59	9	52	6	0	1	3	8	0	29.78	16	15.6	16.3	21	16	10	10	9	10	11	
10	69	47	58	8	44	7	0	2	8	0	0	29.72	32	6.9	8.2	13	31	8	8	8	9	10	
11	68	46	57	6	35	8	0	0	0	0	0	29.95	30	6.8	8.6	15	28	1	2	11	12	13	
12	76*	49	63	12	42	2	0	0	8	0	0	29.91	17	7.6	11.1	22	22	8	8	8	9	10	
13	65	51	58	7	38	7	0	0	0	0	0	29.87	31	8.9	10.5	17	32	7	7	9	10	11	
14	65	49	57	5	44	8	0	1	8	0	0	29.75	09	12.1	14.5	21	16	10	10	14	15	16	
15	66	45	56	4	39	9	0	0	0	0	0	29.51	26	10.2	11.8	18	31	8	8	8	9	10	
16	50	36	43	-9	25	22	0	0	0	0	0	29.82	31	15.3	16.8	26	31	9	7	16	17	18	
17	56	27*	42*	-11	19	23	0	0	0	0	0	30.20	31	8.3	9.1	14	32	4	2	17	18	19	
18	65	36	51	-2	30	14	0	0	0	0	0	30.10	30	4.4	6.2	15	30	2	2	18	19	20	
19	70	47	59	5	35	6	0	0	0	0	0	30.09	10	4.3	7.1	12	17	1	1	1	2	3	
20	75	45	60	6	43	5	0	1	0	0	0	29.95	22	8.7	9.5	17	20	4	4	19	20	21	
21	73	52	63	9	33	2	0	0	0	0	0	29.83	35	7.3	9.4	15	03	3	3	21	22	23	
22	68	40	54	-1	25	11	0	0	0	0	0	29.75	34	8.2	9.4	17	30	1	1	22	23	24	
23	71	39	55	0	30	10	0	0	0	0	0	29.54	33	3.6	7.8	16	05	3	3	1	2	3	
24	72	46	59	4	42	6	0	0	8	0	0	29.63	15	3.3	8.6	18	14	5	5	24	25	26	
25	73	52	63*	7	47	2	0	1	8	0	0	29.69	31	3.7	10.1	16	30	9	8	25	26	27	
26	55	49	52	-4	40	13	0	0	8	0	0	29.86	32	5.2	6.6	9	01	10	10	26	27	28	
27	56	47	52	-4	46	13	0	1	8	0	0	29.76	07	10.4	10.6	25	06	10	10	27	28	29	
28	55	49	52	-5	48	13	0	1	8	0	0	29.61	05	13.7	13.8	21	04	10	10	28	29	30	
29	58	48	53	-4	47	12	0	1	8	0	0	29.63	04	5.0	6.5	14	05	10	9	29	30	31	
30	54	50	52	-5	48	13	0	1	8	0	0	29.65	06	10.2	10.8	16	06	10	10	30	31	32	
SUM		SUM	SUM	SUM	SUM	TOTAL	TOTAL	TOTAL		TOTAL	TOTAL	FOR THE MONTH:		TOTAL		%	SUM	SUM					
1941		1334				307	0	NUMBER OF DAYS		4.55	0	29.84	32	1.2	10.5	28	32			187	186		
AVG.		AVG.	AVG.	AVG.	AVG.	DEP.	DEP.	PRECIPITATION		DEP.										DATE: 05	POSSIBLE	MONTH	
64.7		44.5	54.6	2.3	38	-74	0	2.01 INCH		1.35	11										6.2	6.2	
NUMBER OF DAYS		TOTAL		TOTAL		TOTAL		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES		GREATEST DEPTH ON GROUND OF SNOW,		ICE PELLETS OR ICE AND DATE		GREATEST DEPTH ON GROUND OF SNOW,		ICE PELLETS OR ICE AND DATE		GREATEST DEPTH ON GROUND OF SNOW,		ICE PELLETS OR ICE AND DATE	
MAXIMUM TEMP.		MINIMUM TEMP.		47.33		0		THUNDERSTORMS		PRECIPITATION		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES		GREATEST DEPTH ON GROUND OF SNOW,		ICE PELLETS OR ICE AND DATE		GREATEST DEPTH ON GROUND OF SNOW,		ICE PELLETS OR ICE AND DATE	
30		0		1		-79		CLEAR 8		PARTLY CLOUDY 7		CLOUDY 15		GREATEST IN 24 HOURS AND DATES		GREATEST DEPTH ON GROUND OF SNOW,		ICE PELLETS OR ICE AND DATE		GREATEST DEPTH ON GROUND OF SNOW,		ICE PELLETS OR ICE AND DATE	

* 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. 8 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 GUST 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	AVERAGES								RESULTANT WIND	
		SKY COVER TENTHS	STATION PRESSURE IN.	TEMPERATURE				RELATIVE HUMIDITY %	WIND SPEED M.P.H.	DIRECTION	SPEED M.P.H.
				AIR °F	WET BULB °F	DEW PT. °F					
01	6:29	86	50	45	38	69	8.8	01	2.0		
04	6:29	84	47	43	37	69	8.7	36	2.0		
07	7:29	87	49	44	37	69	9.5	34	3.0		
10	5:29	89	56	48	38	54	11.1	36	3.4		
13	6:29	84	61	50	38	45	12.8	26	3.0		
16	7:29	81	61	50	38	46	12.1	25	2.6		
19	6:29	82	57	48	37	51	10.1	22	1.1		
22	6:29	84	53	46	38	61	10.5	13	1.3		

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	.01	T	T																						1
2																									2
3																									3
4		.03	.01	.24	.15	.01	T		.02	T															4
5																									5
6																									6
7																									7
8			T	T																					8
9	T	.02	.04	.10	.04	T	.01	.14	.09	.10	.01								.11	.06	.01	.03	.05	T	9
10																									10
11																									11
12																									12
13	T	T	T	.01	T					T	T	T								T	T	T	T	T	13
14																									14
15	.23																								15
16																									16
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24																									24
25																									25
26																									26
27	T	T	.05	.21	.02	.15	.06	.03	.05	T	T		.01	.01	.01	.02	T	T	T	T	T	T	T	T	27
28	.01	.06	.02	.08	.03	.02	.12	.10	.04	.02	.01	T								.06	.21	.20	.07	.02	28
29	.02																								29
30									T	.06	.07	.08								.02	.09	.05	.04	.02	30

OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	VISI-BILITY					TEMPERATURE					WIND		VISI-BILITY	TEMPERATURE					WIND		VISI-BILITY	TEMPERATURE					WIND											
	SKY COVER	CEILING	HADS OF FT.	MILES	MILE	WEATHER	AIR ° F	WET BULB ° F	DEW PT. ° F	REL. HUM. %	DIR	SPEED KNOTS		SKY COVER	CEILING	HADS OF FT.	MILES	MILE	WEATHER	AIR ° F		WET BULB ° F	DEW PT. ° F	REL. HUM. %	DIR	SPEED KNOTS	SKY COVER	CEILING	HADS OF FT.	MILES	MILE	WEATHER	AIR ° F	WET BULB ° F	DEW PT. ° F	REL. HUM. %	DIR	SPEED KNOTS
01	10	22	5			DAY 01	36	34	31	82	36	11		4	UNL	15			DAY 02	38	34	29	70	22	4		3	UNL	7			46	40	33	61	35	7	
04	7	70	7			LF	36	34	31	82	35	9		9	80	12				38	35	31	76	19	5		5	UNL	4			41	37	32	70	31	6	
07	1	UNL	10				36	35	31	82	35	9		8	250	7				41	37	32	70	18	8		5	UNL	4			41	38	34	76	35	5	
10	0	UNL	15				48	40	30	50	02	8		10	28	15				52	44	35	53	21	12		0	UNL	9			59	48	35	41	12	4	
13	0	UNL	15				55	43	28	36	05	7		0	UNL	15				58	48	38	48	24	10		4	UNL	12			65	49	32	29	12	6	
16	0	UNL	15				58	43	23	26	12	8		10	85	15				60	50	40	48	22	8		10	250	12			57	46	33	40	15	13	
19	1	UNL	12				46	39	29	52	17	12		5	UNL	6			H	57	49	38	49	31	5		10	250	10			50	42	32	50	15	10	
22	0	UNL	15				41	37	30	65	16	7		0	UNL	7				51	44	36	57	36	6		10	250	10			48	43	38	68	16	11	
01	10	17	10			DAY 04	49	44	39	69	08	6		10	55	15			DAY 05	49	41	30	48	29	18		0	UNL	15			44	36	24	45	28	6	
04	10	5	4			RWF	48	46	43	83	29	3		10	48	15				45	38	27	49	30	20		0	UNL	15			41	35	25	53	24	6	
07	10	8	1			B F	53	50	48	83	19	7		2	UNL	15				43	36	24	47	30	20		2	UNL	15			44	37	27	51	27	3	
10	10	3	0			12	54	52	50	86	30	6		4	UNL	15				51	40	25	36	31	23		0	UNL	20			60	47	32	35	34	8	
13	8	25	6			RM	64	59	56	75	25	12		2	UNL	20				58	44	26	29	30	20		6	UNL	20			64	49	31	29	29	6	
16	10	45	6				60	55	51	72	18	9		0	UNL	20				60	44	23	24	31	14		8	UNL	20			65	49	30	27	25	11	
19	2	UNL	12				55	44	33	43	31	16		0	UNL	25				54	41	22	29	31	13		9	UNL	15			54	44	34	47	18	11	
22	6	41	10				50	42	33	52	29	13		0	UNL	20				47	38	24	41	26	7		5	UNL	12			49	44	38	66	18	8	
01	6	UNL	10			DAY 07	48	45	41	77	12	6		10	50	12			DAY 08	52	47	42	69	11	9		10	32	10			58	53	48	70	15	10	
04	8	UNL	10				46	42	36	68	12	6		10	50	12			H	51	47	43	74	08	6		10	36	6			56	53	50	80	15	15	
07	10	UNL	10				48	42	35	61	09	4		10	85	5				51	47	44	77	08	9		10	15	4			57	54	51	80	19	14	
10	2	UNL	12				59	49	38	46	14	12		8	75	8				60	53	47	62	14	8		10	4	2			58	55	53	84	15	15	
13	10	200	15				62	48	32	32	16	18		7	UNL	12				68	58	50	53	16	20		10	13	8			61	57	54	78	17	17	
16	10	200	12				55	48	41	59	16	4		5	UNL	12				66	54	44	45	16	20		10	17	6			61	57	54	78	14	14	
19	10	85	15				54	46	36	51	14	12		10	85	15				59	52	46	62	16	12		10	4	2			58	55	53	84	17	13	
22	10	70	12				51	44	37	59	13	8		10	85	15				59	52	45	60	14	10		10	5	3		TRHH	57	54	51	80	14	15	
01	6	85	7			DAY 10	56	53	51	83	36	7		10	100	12			DAY 11	55	46	37	51	28	8		0	UNL	10			51	46	40	66	06	6	
04	10	85	0			I F	49	47	45	86	34	4		3	UNL	12				49	43	35	59	31	9		10	90	7			51	46	41	69	10	5	
07	8	1	0			4	51	48	46	83	36	5		4	UNL	8				49	42	33	54	30	8		8	80	5			52	47	42	69	14	6	
10	1	UNL	6			H	60	56	52	75	32	9		0	UNL	10				56	45	32	40	30	9		5	UNL	8			60	52	45	58	14	11	
13	9	250	12				66	52	39	37	26	11		1	UNL	12				64	50	36	35	27	7		10	120	8			75	56	39	27	20	18	
16	10	45	10				63	53	42	43	31	10		2	UNL	15				67	51	35	31	28	13		10	40	8			71	54	38	30	22	17	
19	8	45	12				56	48	40	55	30	7		6	UNL	15				62	49	34	35	20	0		10	50	15			63	53	44	50	14	7	
22	10	45	12				56	48	40	55	33	4		0	UNL	15				53	47	41	64	08	6		10	50	12			61	54	49	65	20	7	
01	10	50	12			DAY 13	61	54	47	60	22	4		10	34	10			DAY 14	54	46	37	53	04	8		10	15	10			66	61	58	76	22	15	
04	10	60	12				59	54	49	70	20	8		10	36	10				51	44	37	59	06	12		4	UNL	10			57	49	41	55	23	8	
07	10	60	9				54	46	38	55	31	14		10	21	10				50	44	36	59	07	12		7	40	10			53	46	39	59	31	9	
10	4	UNL	10				55	45	33	43	35	14		10	20	10			R	49	43	35	59	08	14		6	40	15			57	47	36	46	28	9	
13	3	UNL	12				62	48	33	34	31	12		10	11	7			RF	51	47	42	71	09	15		7	50	15			60	48	36	41	27	13	
16	10	UNL	12				64	49	33	32	30	8		10	5	1			H	52	50	48	86	07	15		10	55	12			55	45	34	45	23	10	
19	10	80	12				59	46	30	33	30	6		10	3	5				63	59	57	81	14	13		10	38	12			49	42	34	56	28	8	
22	10	60	10			R	54	46	37	53	36	7		10	9	7			H	62	59	57	84	15	12		7	70	12			47	40	31	54	24	10	
01	6	70	10			DAY 16	44	37	27	51	27	11		0	UNL	15			DAY 17	34	27	13	42	34	9		0	UNL	15			41	35	26	55	00	0	
04	7	70	10				45	38	28	51	26	9		0	UNL	15				28	24	14	56	30	7		0	UNL	12			37	33	27	67	18	4	
07	9	80	15				45	39	30	56	28	15		4	UNL	10				34	29	18	52	30	9		6	250	7			41	37	32	70	32	4	
10	10	35	15				49	40	27	43	32	19		5	UNL	15				43	34	18	37	32	8		0	UNL	15			58	43	23	26	32	6	
13	10	50	15				46	38	25	44	32	20		3	UNL	15				51	39	21	31	32	9		0	UNL	15	</								