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Local Climatological Data



NAT WEATHER SERVICE FCST OFC
 METROPOLITAN AIRPORT

MONTHLY SUMMARY

LATITUDE 42° 14' N LONGITUDE 83° 20' W ELEVATION (GROUND) 533 FT. STANDARD TIME USED: EASTERN LOCAL #94847

DETROIT, MICHIGAN

DATE	TEMPERATURE °F			DEGREE DAYS BASE 65°		HEATHER TYPES ON DATES OF OCCURRENCE 1 FOG 2 HEAVY FOG 3 THUNDERSTORM 4 ICE PELLETS 5 HAIL 6 DUST 7 DUST/SMOKE 8 SMOKE 9 BLOWING SMOKE	SNOW-ICE PELLETS ON GROUND AT 07AM IN.	PRECIPITATION		AVG. STATION WIND SPEED M.P.H.	WIND		SUNSHINE		SKY COVER TENTHS		DATE		
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT			WATER EQUIVA- LENT IN.	SNOW-ICE PELLETS IN.		RESULTANT SPEED M.P.H.	FASTEST MILE M.P.H.	MINUTES	PERCENT OF POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT			
1	32	14	14	-11	13	51	0	1	0	6	10	20	38	NW	48	8	20	7	1
2	13	-12	1	-14	7	64	0	0	0	7	7	19	15	SW	407	67	4	2	2
3	26	16	24	-1	16	43	0	0	0	6	0	20	21	SSW	462	76	6	5	3
4	28	18	24	-1	16	43	0	0	0	4	0	20	20	SW	319	53	8	8	4
5	25	18	21	-1	14	44	0	0	0	3	14	20	16	NE	0	0	10	10	5
6	24	16	20	-1	13	49	0	0	0	5	02	20	13	W	305	63	7	7	6
7	24	18	21	-1	13	53	0	0	0	5	0	20	19	SW	386	63	6	5	7
8	35	18	27	2	17	38	0	0	0	4	0	28	20	SW	217	35	7	7	8
9	38	18	28	2	17	41	0	0	0	0	0	29	20	S	354	57	8	8	9
10	49	38	44	18	22	21	0	0	0	4	0	29	31	SW	290	47	9	9	10
11	40	26	33	7	24	32	0	0	0	3	0	28	29	NW	322	51	6	6	11
12	48	24	36	10	23	29	0	0	0	1	0	29	22	NW	225	36	9	9	12
13	49	20	39	13	26	26	0	0	0	0	0	29	26	SW	219	39	10	9	13
14	30	20	30	4	15	35	0	0	0	0	0	29	33	SW	632	100	0	2	14
15	64	31	48	22	36	17	0	0	0	0	05	29	18	SE	280	44	6	6	15
16	50	30	40	13	31	25	0	23	0	0	1.00	29	15	SW	0	0	10	10	16
17	48	33	41	14	30	24	0	2	0	0	0	29	12	W	58	9	9	9	17
18	62	34	48	21	35	17	0	23	0	0	0	28	78	W	46	7	10	10	18
19	45	33	39	12	27	26	0	1	0	0	0	29	01	SW	147	23	9	9	19
20	50	27	39	12	28	26	0	1	0	0	0	29	40	S	594	92	3	5	20
21	51	35	43	15	34	22	0	1	3	0	0	29	06	E	0	0	10	10	21
22	36	22	29	1	23	36	0	0	0	2	0	29	17	W	86	15	10	10	22
23	34	10	22	-6	14	43	0	0	0	2	0	29	50	SW	651	99	4	4	23
24	59	33	46	18	31	19	0	0	0	1	0	29	32	SW	523	79	9	5	24
25	65	45	55	28	37	10	0	0	0	0	0	29	28	SW	435	66	7	7	25
26	64	35	50	21	39	15	0	0	0	0	0	29	25	SW	321	48	5	4	26
27	63	33	48	19	34	17	0	0	0	0	0	29	29	W	644	96	6	6	27
28	57	33	45	15	27	20	0	0	0	0	0	29	28	SW	612	91	6	6	28
29	63	33	48	18	36	17	0	3	0	0	0	29	13	NW	84	14	10	9	29
SUM	SUM				TOTAL	TOTAL				TOTAL	TOTAL	FOR THE MONTH			TOTAL			SUR	SUR
1278	652				914	0				2.87	4.9	29.23	25	7.1	14.7	38	NW	8767	FOR 214
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.				PRECIPITATION	DEP.				DATE: 01	POSSIBLE MONTH	AVG.	AVG.	
44.1	22.5	33.3	6.7	23	-19.6	0				2.01 INCH	1.12					18444	48	7.4	6.9
NUMBER OF DAYS		SEASON TO DATE		SNOW-ICE PELLETS		GREATEST IN 24 HOURS AND DATES		GREATEST DEPTH ON GROUND OF SNOW.											
TOTAL		TOTAL		≥ 1.0 INCH		≥ 1.0 INCH		ICE PELLETS ON ICE AND DATE											
MAXIMUM TEMP.		MINIMUM TEMP.		THUNDERSTORMS		PRECIPITATION		SNOW-ICE PELLETS											
59		-12		4		1.00		16											
0		7		-206		0		22											
				CLEAR 2		PARTLY CLOUDY 12		CLOUDY 15											

* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.
 † 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 OR

MORE OBSERVATIONS PER DAY AT 3-HOUR INTERVALS.
 FASTEST MILE MILES 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

SUMMARY BY HOURS

HOUR	LOCAL TIME	STATION	TEMPERATURE				RELATIVE HUMIDITY %	WIND SPEED M.P.H.	DIRECTION	RESULTANT WIND SPEED M.P.H.
			AIR °F	BULB °F	DEW PT. °F	WIND DIR.				
01	7	29.22	31	28	21	68	14.4	25	6.6	
04	7	29.23	29	26	21	72	14.4	26	7.8	
07	7	29.23	28	26	20	73	13.4	25	6.7	
10	7	29.25	33	28	23	69	12.6	24	6.5	
13	8	29.23	39	34	26	60	16.2	24	9.2	
16	8	29.20	40	34	26	58	17.5	25	7.9	
19	8	29.22	35	31	23	63	15.1	25	5.8	
22	8	29.23	33	29	22	67	14.6	25	6.5	

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

HOUR	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
1							.02	.01	.01	.02	.02	T	.01	.01	T	T	T							
2																								
3																								
4																								
5																								
6																								
7							T	T	.01	T	T													
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18	.05	.05	.01				.01	.02	.04	.01	T	T												
19																								
20																								
21																								
22	T	T	.02	.04	.04	.02	.01	.07	.24	.20	.03	T	T	T	T	T	.05	.11	.01	T	.01	T		
23	T	T	T																					
24																								
25																								
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28							.03	T																
29																								

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