

JANUARY 1976
DETROIT, MICHIGAN

Local Climatological Data



NAT WEATHER SERVICE FCST OFC
METROPOLITAN AIRPORT

MONTHLY SUMMARY

LATITUDE 42° 14' N LONGITUDE 83° 20' W ELEVATION (FOUNDS) 633 FT. STANDARD TIME USED: EASTERN LEAN 894847

DATE	TEMPERATURE °F						DEGREE DAYS BASE 65°		WEATHER TYPES ON DRIES OF OCCURRENCE 1 FOG 2 HEAVY FOG 3 THUNDERSTORM 4 ICE PELLETS 5 HAIL 6 DUST 7 DUSTSTORM 8 SMOKE, HAZE 9 RAINING SNOW	SHOW- ICE PELLETS ON GROUND OR ON ROADS	PRECIPITATION		WIND REGULATED SPEED M.P.H. AVERAGE SPEED M.P.H.	WIND FASTEST MILE SPEED M.P.H. DIRECTION	SUNSHINE MINUTES PERCENT OF POSSIBLE	SKY COVER TERMS		DATE						
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT	HEATING DEGREE DAYS WITH WINDY	COOLING DEGREE DAYS WITH WINDY	WATER IN			SNOW, ICE PELLETS IN	REGULATED SPEED M.P.H.				FASTEST MILE SPEED M.P.H.	MINUTES		PERCENT OF POSSIBLE	TERMS TO RISERISE TO SUNSET	TERMS TO RISERISE TO SUNSET			
1	34	25	30	5	23	35	0				0	0	29.46	10.1	11.8	16	E	96	18	10	9	1		
2	38	30	33	8	28	32	0				0.02	1	29.27	19	10.6	15.1	24	SH	0	0	10	10	2	
3	34	12	23	-2	18	42	0		1	6	8	0.1	1	29.16	26	17.6	17.7	34	H	0	0	10	10	3
4	19	7	13	-12	9	50	0							29.47	26	17.4	17.5	22	H	22	40	6	6	4
5	17	4	11	-14	5	54	0							29.70	22	10.8	11.8	17	SH	533	98	5	5	5
6	34	11	23	-2	15	42	0							29.45	19	14.0	14.2	21	SH	367	66	9	7	6
7	35	11	23	-2	20	42	0		1	6	4			29.28	32	6.0	12.5	20	H	117	20	10	10	7
8	14	-3	6	-19	1	59	0							29.40	28	12.4	14.5	20	SH	481	86	1	2	8
9	11	-2	5	-20	0	60	0							29.48	24	17.8	18.0	22	SH	496	69	5	7	9
10	21	-2	10	-15	6	55	0							29.62	19	7.1	10.5	16	SE	391	70	10	10	10
11	36	20	28	3	24	37	0		1	6	8			29.17	23	8.2	15.4	30	NW	0	0	10	10	11
12	28	21	25	0	19	40	0							29.37	25	12.0	14.7	20	H	21	4	10	8	12
13	32	24	28	3	26	37	0		2	8	8			29.05	34	2.9	11.7	27	NW	0	0	10	10	13
14	32	16	24	-1	16	49	0							29.41	19	7.3	12.9	21	H	426	15	4	6	14
15	31	4	18	-6	14	47	0							29.38	28	19.3	20.9	28	H	180	42	6	9	15
16	35	10	23	-1	20	42	0		1	6	8			29.09	20	11.3	19.3	28	NW	234	11	7	6	16
17	16	-3	7	-17	-2	58	0							29.46	34	13.0	15.5	17	NW	570	100	0	0	17
18	11	-18	-4	-28	-6	69	0							29.72	23	5.2	7.9	10	NW	572	100	0	0	18
19	34	2	18	-6	14	47	0							29.48	20	18.1	19.0	29	SH	66	12	10	9	19
20	35	10	27	3	23	38	0							29.30	24	16.6	17.0	24	H	193	34	8	8	20
21	25	16	21	-3	14	44	0							29.17	28	12.0	17.7	32	NW	181	31	9	9	21
22	20	-1	10	-14	7	55	0							29.32	31	8.8	10.8	18	NW	254	44	8	6	22
23	16	-1	8	-16	8	57	0		1	6	8			29.13	10	12.3	13.8	18	E	0	0	10	10	23
24	23	11	17	-7	12	48	0							29.11	03	4.2	10.8	13	NE	10	2	10	10	24
25	44	14	29	5	23	36	0		1	4	6	8		29.27	09	10.7	12.4	27	E	0	0	10	10	25
26	46	25	36	12	29	29	0		2	6	8			29.26	27	11.7	16.7	20	S	44	2	10	10	26
27	25	5	15	-10	11	50	0							29.62	28	9.5	10.5	16	H	461	78	5	3	27
28	33	6	20	-5	14	45	0							29.23	22	15.9	16.8	23	SW	111	19	8	9	28
29	34	20	27	2	19	36	0							29.09	30	12.0	15.4	25	NW	180	30	7	9	29
30	27	20	24	-1	17	41	0		1	6	4			29.11	07	7.1	10.9	16	NE	75	13	9	10	30
31	28	19	24	-1	16	41	0							29.15	22	12.6	13.4	22	SH	61	10	10	9	31
SUN	SUN					TOTAL	TOTAL					TOTAL	TOTAL	FOR THE MONTH				TOTAL	1	SUN	SUN			
858	320					1413	0					1.91	15.1	29.33	25	6.4	14.3	34	W	6443	FOR	242	233	
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.							DEP.	2.01	INCH	15	0.00			DATE: 03	MONTH	AVG.	AVG.		
28.0	19.3	19.2	-5.4	14	16.1															17880	36	7.8	7.5	
NUMBER OF DAYS		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		
MAXIMUM TEMP.		MINIMUM TEMP.		DEW POINT		WIND SPEED		WIND DIRECTION		PRECIPITATION		SNOW, ICE PELLETS		SUNSHINE		SKY COVER		DATE		MONTH		AVG.		
90	32	31	7	-10	0	18	31	7	-10	0	18	31	7	-10	0	18	31	7	-10	0	18	31	7	

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

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

HOURS LOCAL TIME	SKY COVER TERMS	AVERAGES										RESULTANT WIND SPEED M.P.H.
		STATION PRESSURE IN.	AIR °F	BULB °F	DEW P. °F	RELATIVE HUMIDITY %	WIND SPEED M.P.H.	DIRECTION				
01	8	29.33	19	18	14	79	13.7	25	7.4			
04	7	29.34	18	17	14	82	12.3	24	6.5			
07	8	29.34	18	17	14	84	12.4	24	5.9			
10	6	29.36	19	18	14	80	13.4	25	6.1			
13	8	29.33	23	21	15	72	16.8	26	6.4			
16	7	29.31	24	21	15	71	17.0	26	7.2			
19	6	29.32	21	19	14	77	14.5	24	4.9			
22	7	29.33	20	18	14	78	14.4	24	7.0			

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

HOURS	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																								
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noaa NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION / ENVIRONMENTAL DATA

OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	TEMPERATURE				WIND	TEMPERATURE				WIND	TEMPERATURE				WIND													
	AIR * F	WET BULB * F	DEW PT. * F	REL. HUM. %		AIR * F	WET BULB * F	DEW PT. * F	REL. HUM. %		AIR * F	WET BULB * F	DEW PT. * F	REL. HUM. %														
DAY 01																												
01	6	UNL	10	33	30	26	75	03	12	10	33	15	27	25	20	75	12	9	10	38	10	33	30	26	75	25	10	
02	0	UNL	15	26	25	23	88	03	8	10	28	15	27	25	20	75	12	9	10	28	10	30	27	23	78	27	14	
03	0	UNL	15	31	29	25	78	04	8	10	21	5	32	30	26	79	14	14	10	23	10	25	27	25	21	78	25	13
04	0	UNL	15	32	29	23	69	10	8	10	12	7	35	31	28	82	16	12	10	23	8	23	26	24	20	78	25	13
05	0	UNL	15	34	30	23	64	10	13	10	6	11	35	34	32	89	10	15	10	23	7	23	27	25	19	72	25	18
06	0	UNL	15	33	29	22	64	09	9	10	6	11	35	35	34	85	23	15	10	23	7	23	27	25	19	71	26	18
07	0	UNL	15	30	28	24	78	11	14	10	7	11	35	35	33	85	23	15	10	26	7	23	27	25	19	71	26	18
08	0	UNL	15	28	27	21	72	07	10	10	6	10	36	33	27	70	26	16	10	33	7	23	27	25	19	74	25	19
DAY 02																												
09	0	UNL	15	27	26	20	75	12	9	10	33	10	36	33	27	70	26	16	10	33	7	23	27	25	19	74	25	19
10	0	UNL	15	26	25	23	88	03	8	10	28	15	32	30	26	79	14	14	10	23	10	25	27	25	21	78	25	13
11	0	UNL	15	32	29	23	69	10	8	10	12	7	35	31	28	82	16	12	10	23	8	23	26	24	20	78	25	13
12	0	UNL	15	34	30	23	64	10	13	10	6	11	35	34	32	89	10	15	10	23	7	23	27	25	19	72	25	18
13	0	UNL	15	33	29	22	64	09	9	10	6	11	35	35	34	85	23	15	10	23	7	23	27	25	19	71	26	18
14	0	UNL	15	30	28	24	78	11	14	10	7	11	35	35	33	85	23	15	10	26	7	23	27	25	19	71	26	18
15	0	UNL	15	28	27	21	72	07	10	10	6	10	36	33	27	70	26	16	10	33	7	23	27	25	19	74	25	19
DAY 03																												
16	0	UNL	15	27	26	20	75	12	9	10	33	10	36	33	27	70	26	16	10	33	7	23	27	25	19	74	25	19
17	0	UNL	15	26	25	23	88	03	8	10	28	15	32	30	26	79	14	14	10	23	10	25	27	25	21	78	25	13
18	0	UNL	15	32	29	23	69	10	8	10	12	7	35	31	28	82	16	12	10	23	8	23	26	24	20	78	25	13
19	0	UNL	15	34	30	23	64	10	13	10	6	11	35	34	32	89	10	15	10	23	7	23	27	25	19	72	25	18
20	0	UNL	15	33	29	22	64	09	9	10	6	11	35	35	34	85	23	15	10	23	7	23	27	25	19	71	26	18
21	0	UNL	15	30	28	24	78	11	14	10	7	11	35	35	33	85	23	15	10	26	7	23	27	25	19	71	26	18
22	0	UNL	15	28	27	21	72	07	10	10	6	10	36	33	27	70	26	16	10	33	7	23	27	25	19	74	25	19
DAY 04																												
01	10	21	4	13	12	07	77	25	20	0	UNL	20	07	07	05	81	25	10	0	UNL	15	12	11	07	80	20	10	10
02	8	45	7	13	12	09	84	26	16	0	UNL	20	07	07	05	81	25	10	0	UNL	15	12	11	07	80	20	10	10
03	5	45	10	14	13	09	80	26	15	10	33	7	08	08	06	81	26	9	3	UNL	10	13	12	08	84	21	9	0
04	3	UNL	10	14	13	10	84	26	16	7	UNL	8	08	08	05	87	22	9	10	UNL	12	11	10	12	74	19	15	0
05	10	33	5	17	16	10	74	27	20	10	UNL	10	14	12	05	87	21	16	7	UNL	9	12	11	07	81	19	14	0
06	10	23	4	18	17	13	81	27	14	0	UNL	12	17	15	07	85	22	15	10	25	10	12	11	05	84	19	15	0
07	0	UNL	20	14	13	09	80	26	15	10	33	7	08	08	06	81	26	9	3	UNL	10	13	12	08	84	21	9	0
08	0	UNL	20	14	13	10	84	26	16	7	UNL	8	08	08	05	87	22	9	10	UNL	12	11	10	12	74	19	15	0
09	0	UNL	20	17	16	10	74	27	20	10	UNL	10	14	12	05	87	21	16	7	UNL	9	12	11	07	81	19	14	0
10	0	UNL	20	18	17	13	81	27	14	0	UNL	12	17	15	07	85	22	15	10	25	10	12	11	05	84	19	15	0
11	0	UNL	20	14	13	09	80	26	15	10	33	7	08	08	06	81	26	9	3	UNL	10	13	12	08	84	21	9	0
12	0	UNL	20	14	13	10	84	26	16	7	UNL	8	08	08	05	87	22	9	10	UNL	12	11	10	12	74	19	15	0
13	0	UNL	20	17	16	10	74	27	20	10	UNL	10	14	12	05	87	21	16	7	UNL	9	12	11	07	81	19	14	0
14	0	UNL	20	18	17	13	81	27	14	0	UNL	12	17	15	07	85	22	15	10	25	10	12	11	05	84	19	15	0
15	0	UNL	20	14	13	09	80	26	15	10	33	7	08	08	06	81	26	9	3	UNL	10	13	12	08	84	21	9	0
16	0	UNL	20	14	13	10	84	26	16	7	UNL	8	08	08	05	87	22	9	10	UNL	12	11	10	12	74	19	15	0
17	0	UNL	20	17	16	10	74	27	20	10	UNL	10	14	12	05	87	21	16	7	UNL	9	12	11	07	81	19	14	0
18	0	UNL	20	18	17	13	81	27	14	0	UNL	12	17	15	07	85	22	15	10	25	10	12	11	05	84	19	15	0
19	0	UNL	20	14	13	09	80	26	15	10	33	7	08	08	06	81	26	9	3	UNL	10	13	12	08	84	21	9	0
20	0	UNL	20	14	13	10	84	26	16	7	UNL	8	08	08	05	87	22	9	10	UNL	12	11	10	12	74	19	15	0
21	0	UNL	20	17	16	10	74	27	20	10	UNL	10	14	12	05	87	21	16	7	UNL	9	12	11	07	81	19	14	0
22	0	UNL	20	18	17	13	81	27	14	0	UNL	12	17	15	07	85	22	15	10	25	10	12	11	05	84	19	15	0
DAY 05																												
01	07	07	05	01	01	01	01	01	01	0	UNL	15	07	07	05	81	25	10	0	UNL	15	12	11	07	80	20	10	10
02	07	07	05	01	01	01	01	01	01	0	UNL	15	07	07	05	81	25	10	0	UNL	15	12	11	07	80	20	10	10
03	08	08	06	01	01	01	01	01	01	0	UNL	15	08	08	06	81	26	9	3	UNL	10	13	12	08	84	21	9	0
04	08	08	05	87	22	9	10	UNL	12	11	10	12	74	19	15	0	0	0	0	UNL	12	11	10	12	74	19	15	0
05	14	12	05	87	21	16	7	UNL	9	12	11	07	81	19	14	0	0	0	0	UNL	9	12	11	07	81	19	14	0
06	17	15	07	85	22	15	10	25	10	12	11	05	84	19	15	0	0	0	0	UNL	12	11	10	12	74	19	15	0
07	17	15	09	80	26	15	10	33	7	08	08	06	81	26	9	3	UNL	10	13	12	08	84	21	9	0			
08	14	12	05	87	21	16	7	UNL	9	12	11	07	81	19	14	0	0	0	0	UNL	9	12	11	07	81	19	14	0
09	17	15	07	85	22	15	10	25	10	12	11	05	84	19	15	0	0	0	0	UNL	12	11	10	12	74	19	15	0
10	17	15	09	80	26	15	10	33	7	08	08	06	81	26	9	3	UNL	10	13	12	08	84	21	9	0			
11	14	12	05	87	21	16	7	UNL	9	12	11	07	81	19	14	0	0	0	0	UNL	9	12	11	07	81	19	14	0
12	17	15	07	85	22	15	10	25	10	12	11	05	84	19	15	0	0	0	0	UNL	12	11	10	12	74	19	15	0
13	17	15	09	80	26	15	10	33	7	08	08	06	81	26	9	3	UNL	10	13	12	08	84	21	9	0			
14	14	12	05	87	21	16	7	UNL	9	12	11	07	81	19	14	0	0	0	0	UNL	9	12	11	07	81			