

Michigan - Climate

Monthly Averages of Temperature and Precipitation for State Climatic Divisions 1941-70

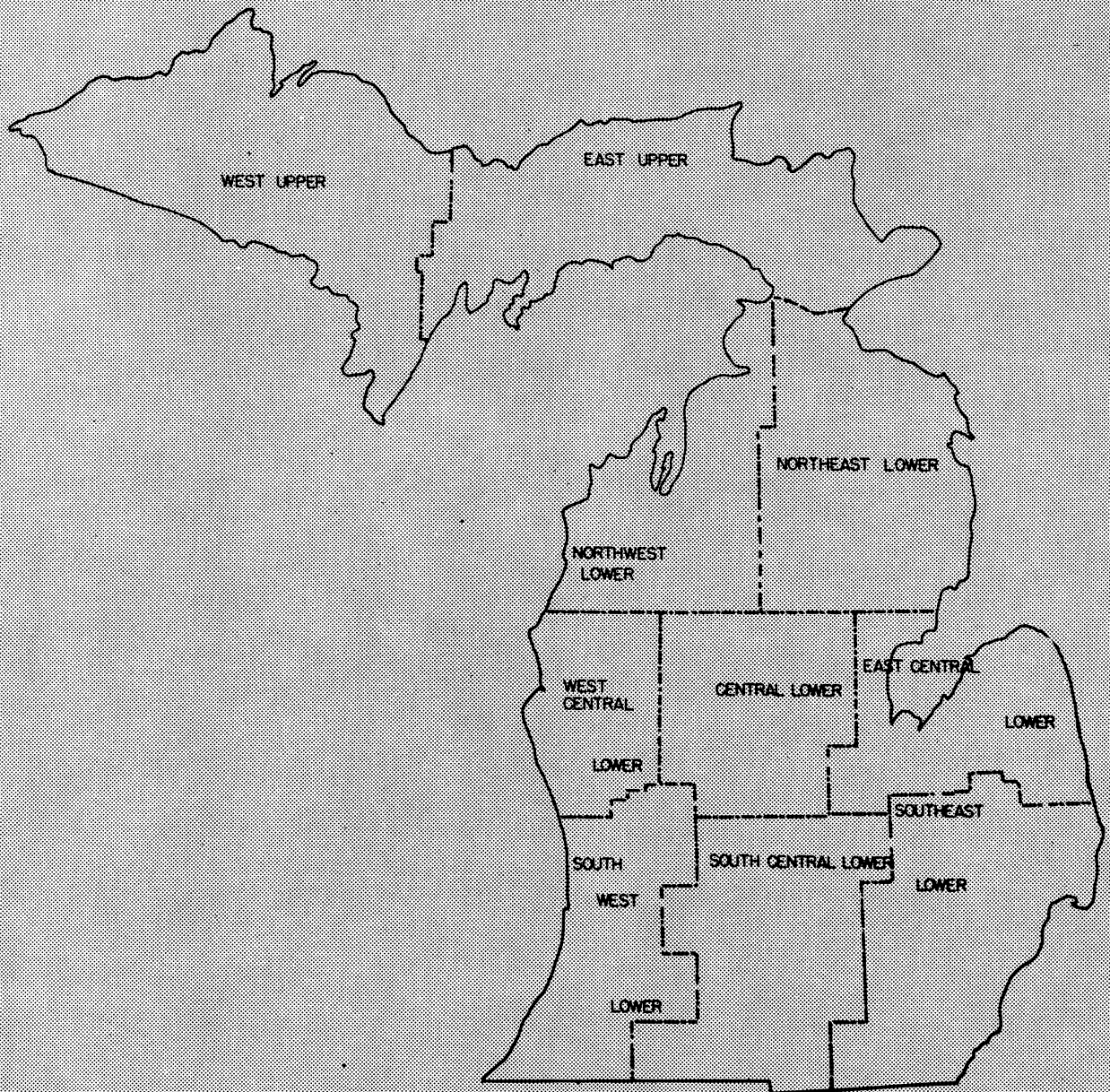
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Michigan

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CLIMATOGRAPHY OF THE UNITED STATES NO. 85 (BY STATE)

**MONTHLY AVERAGES OF
TEMPERATURE AND PRECIPITATION
FOR STATE CLIMATIC DIVISIONS 1941 - 70**

PREFACE

This publication presents monthly divisional averages of temperature and precipitation for the period 1941-70 for each state. Each value is the simple arithmetic average of the data for all stations in the division that furnished both temperature and precipitation records. Divisional precipitation averages of less than 0.005 inch are shown as zero. As network density tended to increase during the 30-year period, so also did the number of values being averaged. Monthly normals for all stations in the State for which data were available for the full period (1941-70) can be found in the publication, "Monthly Normals of Temperature, Precipitation, and Heating and Cooling Degree Days."

For hydrology, agriculture uses, energy supply, etc. it is sometimes necessary to use values averaged over an area of a state rather than a point (station). Each state is divided into divisions (up to 10) which represent, as nearly as possible, homogeneous climatic regimes. These divisions have been established to provide assistance to a variety of interests, and some areas (Rocky Mountain States, for example) may have rather extreme variations within a division. The data presented have many applications, but like all climatological products they must be used within the framework for which they were designed.

Copies of this publication may be obtained from the National Climatic Center, Federal Building, Asheville, N. C. 28801. Price 10 cents
Checks or money orders should be made payable to: Commerce, NOAA.

**MONTHLY AND ANNUAL DIVISIONAL AVERAGES
TEMPERATURE (°F)**

DIVISIONS		MICHIGAN												
SOUTHEAST LOWER	10	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1941		25.7	24.8	30.0	51.7	61.4	69.0	73.5	70.0	66.5	54.0	41.5	34.4	50.2
1942		24.5	21.7	37.0	51.8	59.6	68.4	72.6	69.6	61.5	51.9	39.5	23.9	48.5
1943		20.1	27.0	32.4	42.1	55.7	71.7	72.4	70.9	60.2	49.8	36.7	26.5	47.1
1944		29.3	27.0	30.2	42.0	62.3	70.7	72.7	72.9	64.2	51.2	41.3	22.9	48.9
1945		16.5	26.1	46.7	49.4	51.5	64.3	69.6	69.9	63.6	49.4	39.9	23.3	47.5
1946		26.4	25.3	45.4	47.4	55.6	66.3	72.1	67.0	64.1	56.6	42.1	30.4	49.9
1947		27.8	20.8	29.6	44.1	53.0	65.0	69.6	75.9	64.4	59.5	36.3	27.1	47.8
1948		18.2	23.4	33.8	50.9	55.0	65.4	72.3	70.6	65.4	49.0	43.8	30.5	48.2
1949		30.3	29.6	35.5	46.7	60.1	72.2	75.4	71.2	58.6	56.6	37.9	31.6	50.5
1950		31.7	25.7	29.8	40.9	58.4	67.3	69.7	68.7	62.1	55.3	35.7	23.5	47.4
1951		26.4	26.5	35.6	45.4	59.5	66.7	71.4	68.2	61.2	54.4	32.9	27.0	47.9
1952		28.1	28.7	33.7	48.9	56.6	71.7	75.2	70.1	63.7	47.4	41.9	33.0	49.9
1953		29.3	31.1	37.2	44.1	59.7	70.4	72.8	72.4	63.5	55.8	43.3	32.5	51.0
1954		25.1	33.1	33.3	50.2	54.4	70.6	71.0	69.5	64.8	53.7	40.6	28.6	49.6
1955		25.1	27.0	35.1	54.2	61.2	67.2	77.6	75.2	64.9	54.5	36.8	26.4	50.4
1956		24.8	27.1	31.8	45.0	56.2	69.1	70.5	70.0	59.8	56.6	39.8	33.7	48.7
1957		19.8	29.4	35.7	48.2	56.2	68.3	71.9	69.4	62.4	50.0	40.1	33.1	48.7
1958		25.5	21.5	35.6	48.7	58.0	63.1	71.7	70.0	63.3	54.1	42.0	21.0	47.9
1959		20.0	24.4	33.5	48.0	61.8	69.2	72.8	75.4	66.3	51.1	35.6	33.3	49.3
1960		27.3	26.6	25.2	49.6	57.4	66.1	69.9	70.8	66.1	52.4	42.4	23.8	48.1
1961		21.9	30.2	38.4	42.6	54.8	66.7	72.1	71.0	68.1	54.9	40.4	28.1	49.1
1962		21.2	22.9	34.0	47.9	64.4	68.3	69.8	69.9	60.6	53.7	39.1	24.7	48.0
1963		15.8	18.1	36.5	48.2	56.1	68.9	72.6	67.9	61.1	60.0	44.3	22.2	47.6
1964		28.4	27.0	35.1	48.2	62.0	68.2	73.9	67.1	62.7	48.9	43.2	28.5	49.4
1965		23.9	24.9	28.7	43.5	62.2	66.3	68.7	68.4	64.6	50.0	41.3	34.7	48.1
1966		20.2	27.0	37.7	44.6	52.8	69.4	74.0	69.0	61.2	50.2	40.8	27.7	47.9
1967		28.4	21.8	34.0	48.2	52.6	70.9	69.6	67.3	60.5	51.5	35.8	31.6	47.7
1968		21.9	23.4	37.8	50.2	54.9	67.4	71.2	71.8	65.4	53.5	40.6	27.8	48.8
1969		23.6	27.2	33.5	48.8	57.4	63.7	72.0	72.5	64.3	51.2	38.4	26.5	48.3
1970		17.2	24.7	31.6	48.5	60.9	68.2	72.6	71.8	64.6	54.5	40.4	29.0	48.7
NORMAL		24.1	25.8	34.5	47.3	57.7	68.0	72.0	70.5	63.3	53.1	39.8	28.2	48.7

**MONTHLY AND ANNUAL DIVISIONAL AVERAGES
PRECIPITATION (INCHES)**

DIVISIONS			MICHIGAN												
SOUTHEAST	LOWER	10	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1941			1.25	0.48	1.12	2.50	2.40	3.06	2.27	2.77	1.29	4.63	2.37	1.60	25.74
1942			1.87	1.69	3.16	1.52	3.70	3.95	4.03	3.67	3.07	3.53	2.99	2.66	35.84
1943			2.01	1.45	2.32	3.38	8.21	3.32	4.66	2.20	2.85	1.64	2.25	0.37	34.66
1944			1.21	1.81	2.71	3.05	3.73	3.75	1.61	2.63	1.95	0.60	1.82	1.54	26.41
1945			0.47	1.29	3.42	3.58	7.29	4.17	2.78	3.05	4.96	3.56	1.45	1.64	37.66
1946			1.53	2.03	2.24	0.82	4.01	4.48	1.18	2.31	1.85	2.66	1.72	2.52	27.35
1947			2.77	0.50	2.57	6.25	5.91	3.36	3.34	4.75	4.01	2.42	1.82	1.85	39.55
1948			1.35	2.43	3.58	2.68	4.49	3.68	2.73	1.22	2.54	1.27	3.64	2.01	31.62
1949			2.69	2.68	2.36	2.14	3.07	2.82	3.23	3.81	2.74	3.72	1.52	3.42	34.20
1950			4.29	4.07	2.62	4.91	2.16	3.14	3.38	2.26	4.45	3.05	4.25	2.16	40.74
1951			2.18	2.58	2.76	2.78	3.50	3.35	3.90	2.33	1.95	4.40	3.05	3.66	36.44
1952			2.88	1.46	2.62	3.21	3.25	1.11	2.85	2.10	1.61	1.27	3.13	1.81	27.30
1953			1.82	0.77	2.73	3.12	2.25	3.09	2.95	2.29	2.02	0.89	0.85	1.71	24.49
1954			1.73	3.76	4.01	3.05	1.29	4.07	1.59	1.97	2.44	6.76	1.69	1.78	34.14
1955			1.55	2.07	2.35	2.27	2.28	2.33	2.44	3.49	1.45	3.75	3.18	0.92	28.08
1956			1.01	2.16	2.89	4.43	5.32	3.96	2.56	5.66	0.68	0.52	2.07	1.86	33.06
1957			1.65	1.63	1.33	4.25	3.46	3.47	5.22	2.26	2.71	3.88	2.27	3.29	35.42
1958			0.65	0.51	0.41	1.82	1.48	3.04	3.43	2.65	3.06	1.79	2.54	0.40	21.78
1959			2.79	2.06	2.36	4.37	3.47	1.68	2.83	5.35	3.15	4.42	3.08	2.65	38.21
1960			2.74	2.02	1.05	2.43	2.43	4.77	2.34	2.53	1.41	1.80	1.18	0.49	25.20
1961			0.23	2.17	2.73	5.24	2.16	3.49	3.02	5.16	4.43	1.49	2.41	1.20	33.73
1962			1.94	2.14	1.04	1.45	1.68	4.47	2.88	3.27	3.07	2.35	1.29	1.03	26.61
1963			0.67	0.53	2.32	2.59	2.69	2.52	1.96	1.88	1.48	0.53	1.46	0.93	19.56
1964			1.66	0.58	2.74	3.99	2.08	3.12	2.13	4.89	1.81	0.46	0.86	1.91	26.23
1965			3.22	2.56	2.56	2.35	1.84	1.99	2.39	4.00	2.71	2.93	1.64	4.03	32.22
1966			0.57	1.00	2.39	2.78	2.02	2.96	2.74	3.82	1.80	1.15	3.57	3.82	28.62
1967			2.11	1.25	0.86	3.71	1.28	5.97	2.49	2.57	1.97	4.14	2.46	4.59	33.40
1968			1.97	1.70	1.88	2.04	5.25	6.07	3.99	3.63	2.50	1.22	3.20	3.13	36.58
1969			2.47	0.15	1.50	4.27	3.82	3.80	5.81	1.49	0.89	2.08	2.63	1.04	29.95
1970			0.93	0.79	2.28	2.84	3.25	3.47	3.96	1.64	2.71	2.39	2.87	1.55	28.68
NORMAL			1.81	1.68	2.30	3.13	3.33	3.48	3.02	3.06	2.45	2.51	2.31	2.05	31.12