

1981

UA66/8/2 Climate of Owensboro, Kentucky

WKU Kentucky Climate Center

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Climate of

Owensboro

KENTUCKY CLIMATE CENTER

Kentucky

CLIMATOLOGY OF KENTUCKY SERIES

TOTAL PRECIPITATION														
OWENSBORO	YR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1951	7.26	4.26	5.24	3.23	1.53	4.33	2.25	1.14	3.91	1.80	6.35	7.13	48.45	
1952	D 5.23	3.80	7.01	2.54	5.56	1.66	1.32	D 3.30	2.28	1.45	2.54	4.94	41.63	
1953	D 4.43	1.24	5.66	4.91	4.25	0.46	1.86	0.36	0.59	0.71	1.26	2.87	28.66	
1954	4.69	2.86	1.76	4.47	3.93	1.31	2.45	5.37	3.45	2.77	D 4.62	38.90		
1955	D 1.37	D 5.58	5.92	6.65	5.88	5.22	2.30	4.91	3.82	1.90	3.39	1.13	47.65	
1956	D 3.06	7.74	2.94	3.20	3.41	2.58	4.46	2.15	1.98	1.19	2.43	2.93	34.07	
1957	D 4.75	3.36	2.45	6.70	11.04	6.77	1.49	1.46	1.13	1.93	10.47	6.33	57.87	
1958	2.45	3.53	D 3.83	3.83	3.21	4.24	6.93	2.64	2.18	1.10	D 3.44	1.18	38.56	
1959	D 7.53	2.15	2.33	1.39	8.23	2.74	7.14	8.45	2.04	4.06	1.96	3.98	52.00	
1960	3.63	D 3.00	3.11	2.30	3.96	3.72	1.08	3.05	1.98	1.75	3.16	2.73	33.44	
1961	1.72	4.45	5.33	6.05	9.26	3.02	3.86	3.65	2.71	1.48	4.22	D 3.71	49.56	
1962	D 4.33	D 6.92	3.47	1.75	4.89	3.69	1.24	3.00	6.00	2.22	1.82	2.56	41.85	
1963	D 1.43	6.60	7.98	1.06	3.19	2.44	4.17	2.36	1.41	0.07	1.15	0.89	26.75	
1964	1.24	1.67	17.10	4.48	2.61	5.54	1.89	3.93	0.18	2.92	4.53	46.61		
1965	2.99	4.49	4.58	3.58	2.18	5.58	4.42	1.00	6.74	2.08	1.95	0.83	40.42	
1966	D 6.68	4.41	D 1.47	7.42	3.78	1.24	1.77	3.48	5.79	2.09	2.67	5.73	44.53	
1967	1.20	2.54	5.94	3.41	6.37	5.56	2.56	2.68	3.59	4.69	6.32	47.09		
1968	1.87	1.09	4.80	5.52	5.69	3.93	2.17	1.84	4.69	5.09	43.57			
1969	5.76	1.64	2.41	3.21	2.89	6.36	7.48	3.95	2.10	2.52	4.41	3.59	48.02	
1970	0.91	2.88	4.76	11.79	2.81	5.28	1.79	2.50	2.99	7.37	2.55	4.17	49.60	
1971	3.15	5.82	1.87	2.20	4.27	4.67	4.52	1.58	6.91	2.60	1.96	3.38	42.73	
1972	2.55	5.63	4.55	6.03	2.35	0.95	4.57	1.52	2.81	1.95	5.68	5.17	43.76	
1973	2.79	1.66	6.36	6.41	5.17	5.26	2.46	0.92	1.55	3.57	9.59	D 3.46	48.96	
1974	4.35	D 1.50	B 3.22	3.19	4.27	5.28	2.95	10.60	4.49	1.75	3.39	3.86	47.40	
1975	5.61	4.71	10.15	5.65	B 2.19	3.97	3.25	4.72	2.32	4.65	5.17	3.83	56.42	
1976	3.25	4.66	3.08	1.01	5.39	5.53	4.92	1.71	3.04	3.49	0.96	D 1.17	38.21	
1977	B 2.19	1.96	4.65	5.43	2.00	5.30	2.49	10.51	2.85	2.27	D 5.19	3.46	48.50	
1978	E 4.76	4.16	3.70	4.71	2.32	3.87	6.38	3.36	6.95	4.74	2.43	3.03	48.90	
1979	1.82	1.03	5.29	4.18	5.77	6.43	5.16	B 1.99	2.74	3.01	2.49	1.01	40.92	
SUM	103.60	96.40	137.62	127.49	150.85	113.33	108.97	103.36	98.95	67.55	110.61	103.43	1229.93	
MEAN	3.57	3.44	4.75	4.40	4.51	3.78	5.63	3.45	3.21	2.33	3.81	3.57	43.95	
STD	1.90	1.93	3.06	2.29	2.20	1.69	1.87	2.62	1.71	1.43	2.44	1.73	7.20	

GREATEST DAILY PRECIPITATION

OWENSBORO	YR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1951	2.54	1.03	1.30	1.25	0.61	0.65	0.72	0.62	1.43	0.80	1.07	1.72	2.54	
1952	1.38	0.92	2.67	0.73	1.20	0.83	0.70	2.52	1.62	0.75	1.68	1.18	2.87	
1953	0.77	0.48	1.68	0.95	0.96	0.18	0.57	0.27	0.27	0.57	0.70	1.50	1.68	
1954	0.81	0.50	0.57	1.25	0.98	0.72	1.68	1.55	2.37	0.67	0.25	1.12	2.37	
1955	0.45	1.38	1.40	1.65	2.41	2.16	0.80	1.17	1.79	0.59	2.20	0.55	2.41	
1956	1.02	2.29	1.00	0.64	1.05	0.80	2.20	1.00	1.04	0.55	1.38	0.75	2.29	
1957	1.52	0.80	0.85	2.25	3.70	1.26	0.42	0.49	0.44	2.30	1.90	3.70		
1958	1.42	1.50	1.94	1.30	0.89	1.60	1.36	1.12	0.91	0.47	0.80	0.50	1.94	
1959	2.92	0.66	0.45	0.55	1.21	0.47	1.05	3.82	0.92	1.00	0.65	1.02	3.82	
1960	2.25	0.78	1.00	1.32	0.40	1.54	0.90	1.34	1.32	0.93	0.75	0.73	2.25	
1961	0.78	1.00	1.23	1.02	3.90	0.91	0.95	1.53	1.41	1.12	1.17	0.98	3.90	
1962	1.27	1.90	1.07	0.86	1.34	1.16	0.46	1.60	2.25	0.85	2.31	2.29	2.29	
1963	0.78	0.38	1.51	0.45	0.89	0.88	1.30	1.46	0.51	0.07	0.43	0.50	1.51	
1964	0.44	0.55	4.20	1.35	0.78	1.37	1.18	0.70	1.48	0.10	1.30	1.52	4.20	
1965	0.95	2.13	0.97	0.76	1.05	1.54	1.68	0.60	3.73	1.18	0.73	0.48	3.79	
1966	3.25	1.22	0.38	1.60	0.88	0.48	0.69	2.17	0.91	0.67	1.08	1.55	3.25	
1967	0.67	1.62	1.32	1.05	2.00	2.10	1.60	1.27	1.40	1.48	2.30	1.25	2.30	
1968	0.43	0.95	2.09	1.68	1.25	1.85	1.12							

CLIMATOLOGICAL SUMMARY

LATITUDE 37°48'N
LONGITUDE 87°09'W

MEANS AND EXTREMES FOR PERIOD 1951-1980

OWENSBORO KENTUCKY

ELEVATION 420 FEET

MONTH	TEMPERATURE (°F)												PRECIPITATION TOTALS (INCHES)																	
	MEANS			EXTREMES			MEAN NUMBER OF DAYS						MEANS			GREATEST MONTHLY			PRECIPITATION TOTALS (INCHES)			SNOW, SLEET			MEAN NUMBER OF DAYS					
	DAILY MAXIMUM	DAILY MINIMUM	MONTHLY RECORD HIGHEST YEAR	DAY RECORD LOWEST YEAR	DAY	MAX. AND MIN.	MEAN	GREATEST MONTHLY YEAR	YEAR	MEAN	GREATEST DAILY YEAR	YEAR	MEAN	GREATEST MONTHLY YEAR	YEAR	MEAN	GREATEST DEPTH YEAR	DAY	MEAN	GREATEST MONTHLY YEAR	YEAR	MEAN	GREATEST DEPTH YEAR	DAY	MEAN	GREATEST NUMBER OF DAYS				
JAN	42.3	24.7	33.5	72	67	23	-17	77	11	0	7	23	1	3.57	7.53	59	3.25	66	2	4.4	11.0	68	9.0	68	15	7	2	1		
FEB	47.1	27.8	37.5	80	62	13	-21	51	2	0	3	19	1	3.44	7.74	56	3.30	75	24	2.8	8.5	61	14.0	78	2	7	3	1		
MAR	56.9	35.8	46.4	85	67	13	-7	60	6	0	0	10	0	4.75	17.10	64	4.20	64	10	3.2	20.5	60	13.0	60	9	8	3	1		
APR	69.7	46.4	58.1	90	65	24	24	72	8	0	0	2	0	4.40	11.79	70	3.71	70	2	0.0	0.5	73	2.0	71	6	8	3	1		
MAY	78.5	55.2	66.8	96	62	17	31	76	4	3	0	0	0	4.51	11.04	57	3.90	61	8	0.0	8	3	1	8	3	1	7	3	1	
JUN	88.8	63.1	75.0	106	52	29	41	68	1	10	0	0	0	3.78	6.77	57	4.14	80	29	0.0	7	3	1	7	3	1	7	3	1	
JUL	88.8	66.7	78.3	106	52	27	48	62	27	17	0	0	0	3.83	7.48	69	3.15	69	11	0.0	8	3	1	6	3	1	6	3	1	
AUG	88.9	64.5	76.7	103	51	31	45	64	13	15	0	0	0	3.45	10.80	74	3.82	59	17	0.0	8	2	1	6	2	1	6	2	1	
SEP	83.3	57.9	70.6	104	53	1	34	65	25	7	0	0	0	3.21	7.41	79	3.78	65	12	0.0	5	2	1	5	2	1	5	2	1	
OCT	72.4	45.7	58.1	95	53	2	21	76	29	1	0	3	0	2.33	7.37	70	2.38	75	17	0.0	5	2	0	5	2	0	5	2	0	
NOV	57.5	36.2	46.8	85	58	3	5	58	28	0	0	11	0	3.81	10.47	57	3.50	57	14	0.9	4.5	58	5.0	58	29	6	3	1		
DEC	46.4	29.0	37.7	75	51	31	-7	63	18	0	3	20	0	3.57	7.13	51	1.90	57	20	1.4	6.5	73	5.0	63	25	7	3	1		
JUL	68.3	46.1	57.2	106	53	27	-21	51	2	53	14	90	2	24	44	44	17.10	64	4.20	64	101	12.8	20.5	60	14.0	78	2	80	32	11

LAST SPRING AND FIRST FALL OCCURRENCE OF 32°F MINIMUM TEMPERATURE

OWENSBORO

1951-1980

YEAR	LAST SPRING OCCURRENCE	CONSECUTIVE DAYS BETWEEN LAST AND FIRST OCCURRENCE	FIRST FALL OCCURRENCE
1951	APR 23	193	NOV 2
1952	MAR 28	193	OCT 7
1953	APR 20	171	OCT 8
1954	APR 2	202	OCT 21
1955	APR 8	200	OCT 25
1956	APR 23	200	NOV 9
1957	APR 14	199	OCT 20
1958	APR 8	186	OCT 11
1959	MAR 28	223	NOV 6
1960	APR 10	194	OCT 21
1961	APR 16	182	OCT 15
1962	APR 16	191	OCT 24
1963	MAY 1	182	OCT 30
1964	APR 9	181	OCT 7
1965	MAR 27	212	OCT 25
1966	APR 10	200	OCT 27
1967	MAR 22	203	OCT 11
1968	MAR 25	194	OCT 5
1969	MAR 31	201	OCT 18
1970	APR 5	213	NOV 4 M
1971	APR 7	211	NOV 4
1972	APR 9	194	OCT 20
1973	APR 13	207	NOV 9 M
1974	APR 9 K	177	OCT 5
1975	APR 12	216	NOV 14
1976	MAY 4	167	OCT 18
1977	MAR 24	203	OCT 13
1978	APR 22	207	OCT 14
1979	APR 16	172	OCT 5
1980	APR 9	195	OCT 21
MEAN	APR 9	195	OCT 21
STD	11	14	12

HEATING DEGREE DAYS

OWENSBORO

YR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1951	881	752	621	361	49	0	0	0	30	184	731	804	4413
1952	749	656	561	352	63	0	0	0	27	354	544	789	3993
1953	757	625	465	335	42	0	0	0	15	157	535	846	3777
1954	872	511	569	135	169	10	0	0	9	269	536	848	3926
1955	955	736	125	157	20	0	0	4	226	622	857	4087	
1956	970	664	543	317	43	14	0	1	32	75	538	638	3635
1957	1007	584	387	221	59	0	0	0	9	266	552	669	3951
1958	976	1030	736	244	60	2	0	0	16	238	487	1023	4814
1959	988	709	574	208	38	0	0	0	5	204	631	729	4090
1960	822	876	1025	168	142	0	0	0	3	165	534	1018	4773
1961	1045	636	450	300	115	5</							