

## JULY HEAT 1999

Prolonged heat and humidity during the latter half of July took its toll on the unprepared. Four fatalities were blamed on the heat, including two in Wayne County IL. Near Fairfield, a 78-year-old man died after driving his riding lawn mower to a trucking firm to gather landscape rocks. The man was found near a pile of rocks he had been gathering in 95-degree heat. Near Mount Erie, an 85-year-old man was found dead in his home. The windows were closed, and there was no air conditioning.

Elsewhere in southern Illinois, a 53-year-old migrant worker died while laboring in a field near Shawneetown in Gallatin County, IL. The man died at an Evansville hospital after suffering a heat stroke. The fourth death occurred in the Ohio River city of Metropolis IL, where an 82-year-old woman was found dead in her bathroom. This was the first time in his tenure as Massac County coroner that the cause of death was ruled as heat exhaustion. The woman did not use a fan in the house, and the indoor temperature was measured at 98 degrees.

Daily highs were near 100 degrees on the 29th and 30th, with afternoon heat indices from 110 to 115 degrees. A Heat Advisory was in effect for over a week.

In southwest Indiana, prolonged heat and humidity set in around mid-month and continued through the latter half of July. High temperatures were in the 90s for the last 14 days of the month, including a 98-degree reading on the 30th. Power usage approached or exceeded record levels. There was a slight increase in emergency room visits for heat exhaustion.

In western KY, Excessive heat and humidity during the latter half of July took a toll on the unprepared. In Hopkinsville, a 75-year-old man died in his home as a result of hyperthermia. The single window air conditioner in the house was inoperative, allowing the indoor temperature to reach 120 degrees. All of the windows were closed, and some were boarded up. The unrelenting heat triggered all-time peak-usage records at several Kentucky utilities, including the Paducah and Owensboro power systems. Some minor related outages were reported. The weather increased heat-related hospital visits, primarily for heat exhaustion. Shelters were opened at a few locations, and charities distributed free fans to the needy. Western Kentucky was under a Heat Advisory for over a week. High temperatures reached 100 degrees at Paducah on the 29th and 30th, with afternoon heat indices commonly from 110 to 115 degrees. This was the fifth warmest July on record at Paducah.

In southeast MO, prolonged excessive heat and humidity took a toll on the unprepared. In Cape Girardeau County at Gordonville, a 69-year-old man died from heat causes. The man died outdoors while spending the entire day outdoors repairing a fence. The exact cause of death was listed as complete vascular collapse due to heat exposure. The American Red Cross opened heat shelters in Cape Girardeau and Scott Counties, but usage was minimal.

Below are monthly charts showing the high temperatures (along with other data) for the month of July

Date	Max Temperature	Min Temperature	Avg Temperature	Avg Temperature Departure	HDD	CDD	Precipitation	Snowfall	Snow Depth
1999-07-01	86	72	79.0	0.4	0	14	0.01	0.0	0
1999-07-02	91	72	81.5	2.8	0	17	0.02	0.0	0
1999-07-03	93	75	84.0	5.2	0	19	0.00	0.0	0
1999-07-04	91	76	83.5	4.6	0	19	0.00	0.0	0
1999-07-05	92	71	81.5	2.6	0	17	0.00	0.0	0
1999-07-06	94	72	83.0	4.0	0	18	0.00	0.0	0
1999-07-07	90	66	78.0	-1.0	0	13	0.00	0.0	0
1999-07-08	90	62	76.0	-3.1	0	11	0.00	0.0	0
1999-07-09	93	73	83.0	3.9	0	18	T	0.0	0
1999-07-10	81	70	75.5	-3.6	0	11	0.25	0.0	0
1999-07-11	81	63	72.0	-7.1	0	7	0.00	0.0	0
1999-07-12	83	61	72.0	-7.1	0	7	0.00	0.0	0
1999-07-13	84	62	73.0	-6.1	0	8	0.00	0.0	0
1999-07-14	86	61	73.5	-5.6	0	9	0.00	0.0	0
1999-07-15	88	64	76.0	-3.1	0	11	0.00	0.0	0
1999-07-16	91	72	81.5	2.4	0	17	0.00	0.0	0
1999-07-17	92	72	82.0	3.0	0	17	T	0.0	0
1999-07-18	93	73	83.0	4.0	0	18	0.00	0.0	0
1999-07-19	93	73	83.0	4.0	0	18	0.00	0.0	0
1999-07-20	94	75	84.5	5.5	0	20	0.00	0.0	0
1999-07-21	97	76	86.5	7.6	0	22	0.00	0.0	0
1999-07-22	96	75	85.5	6.6	0	21	0.00	0.0	0
1999-07-23	98	74	86.0	7.1	0	21	0.00	0.0	0
1999-07-24	98	74	86.0	7.2	0	21	0.00	0.0	0
1999-07-25	96	70	83.0	4.2	0	18	0.00	0.0	0
1999-07-26	96	70	83.0	4.3	0	18	0.00	0.0	0
1999-07-27	97	75	86.0	7.3	0	21	0.00	0.0	0
1999-07-28	94	73	83.5	4.8	0	19	T	0.0	0
1999-07-29	100	78	89.0	10.4	0	24	0.00	0.0	0
1999-07-30	101	76	88.5	9.9	0	24	0.00	0.0	0
1999-07-31	98	75	86.5	7.9	0	22	0.00	0.0	0
<b>Sum</b>	2857	2201	-	-	0	520	0.28	0.0	-
<b>Average</b>	92.2	71.0	81.6	2.7	-	-	-	-	0.0
<b>Normal</b>	89.3	68.5	78.9	-	0	431	4.44	0.0	-

**Climatological Data for EVANSVILLE REGIONAL AP, IN - July 1999**

Click column heading to sort ascending, click again to sort descending.

Date	Max Temperature	Min Temperature	Avg Temperature	Avg Temperature Departure	HDD	CDD	Precipitation	Snowfall	Snow Depth
07-01	83	70	76.5	-1.4	0	12	0.31	0.0	0
07-02	88	70	79.0	1.1	0	14	0.02	0.0	0
07-03	90	74	82.0	4.0	0	17	0.00	0.0	0
07-04	91	75	83.0	4.9	0	18	0.00	0.0	0
07-05	90	71	80.5	2.4	0	16	0.00	0.0	0
1999-07-06	92	73	82.5	4.3	0	18	0.08	0.0	0
1999-07-07	86	65	75.5	-2.7	0	11	0.00	0.0	0
1999-07-08	87	61	74.0	-4.2	0	9	0.00	0.0	0
1999-07-09	92	67	79.5	1.3	0	15	<b>0.67</b>	0.0	0
1999-07-10	77	61	69.0	-9.2	0	4	0.07	0.0	0
1999-07-11	79	60	69.5	-8.7	0	5	0.00	0.0	0
1999-07-12	82	<b>59</b>	70.5	-7.7	0	6	0.00	0.0	0
1999-07-13	84	62	73.0	-5.2	0	8	0.00	0.0	0
1999-07-14	84	63	73.5	-4.7	0	9	0.00	0.0	0
1999-07-15	86	64	75.0	-3.2	0	10	0.00	0.0	0
1999-07-16	89	66	77.5	-0.6	0	13	0.00	0.0	0
1999-07-17	88	68	78.0	-0.1	0	13	0.25	0.0	0
1999-07-18	91	66	78.5	0.4	0	14	0.00	0.0	0
1999-07-19	91	73	82.0	4.0	0	17	0.00	0.0	0
1999-07-20	91	74	82.5	4.5	0	18	0.00	0.0	0
1999-07-21	92	74	83.0	5.0	0	18	0.07	0.0	0
1999-07-22	94	74	84.0	6.1	0	19	0.00	0.0	0
1999-07-23	94	75	84.5	6.6	0	20	0.00	0.0	0
1999-07-24	92	72	82.0	4.2	0	17	0.53	0.0	0
1999-07-25	94	70	82.0	4.2	0	17	0.00	0.0	0
1999-07-26	92	71	81.5	3.7	0	17	0.00	0.0	0
1999-07-27	92	72	82.0	4.3	0	17	0.00	0.0	0
1999-07-28	90	74	82.0	4.3	0	17	0.00	0.0	0
1999-07-29	97	74	85.5	7.8	0	21	0.00	0.0	0
1999-07-30	<b>98</b>	78	88.0	10.4	0	23	0.00	0.0	0
1999-07-31	95	76	85.5	7.9	0	21	T	0.0	0
<b>Sum</b>	2771	2152	-	-	0	454	2.00	0.0	-
<b>Average</b>	89.4	69.4	79.4	1.4	-	-	-	-	0.0
<b>Normal</b>	88.5	67.5	78.0	-	0	403	3.92	0.0	-

**Climatological Data for CAPE GIRARDEAU MUNI AP, MO - July 1999**

Click column heading to sort ascending, click again to sort descending.

Date	Max Temperature	Min Temperature	Avg Temperature	Avg Temperature Departure	HDD	CDD	Precipitation
1999-07-01	84	71	77.5	-0.8	0	13	0.04
1999-07-02	90	70	80.0	1.6	0	15	0.01
1999-07-03	92	75	83.5	5.1	0	19	0.00
1999-07-04	91	75	83.0	4.5	0	18	0.00
1999-07-05	91	73	82.0	3.4	0	17	0.00
1999-07-06	95	73	84.0	5.4	0	19	0.01
1999-07-07	90	66	78.0	-0.7	0	13	0.00
1999-07-08	90	60	75.0	-3.7	0	10	0.00
1999-07-09	92	67	79.5	0.8	0	15	0.04
1999-07-10	81	70	75.5	-3.3	0	11	<b>0.21</b>
1999-07-11	81	63	72.0	-6.8	0	7	0.00
1999-07-12	82	<b>56</b>	69.0	-9.8	0	4	0.00
1999-07-13	85	59	72.0	-6.8	0	7	0.00
1999-07-14	85	<b>56</b>	70.5	-8.3	0	6	0.00
1999-07-15	89	62	75.5	-3.3	0	11	0.00
1999-07-16	90	67	78.5	-0.3	0	14	0.00
1999-07-17	91	70	80.5	1.8	0	16	0.00
1999-07-18	91	71	81.0	2.3	0	16	0.00
1999-07-19	92	71	81.5	2.8	0	17	0.00
1999-07-20	93	74	83.5	4.8	0	19	0.00
1999-07-21	94	77	85.5	6.9	0	21	0.00
1999-07-22	96	74	85.0	6.4	0	20	0.00
1999-07-23	97	74	85.5	6.9	0	21	0.00
1999-07-24	<b>98</b>	75	86.5	7.9	0	22	0.07
1999-07-25	95	70	82.5	4.0	0	18	0.00
1999-07-26	97	71	84.0	5.5	0	19	0.00
1999-07-27	93	71	82.0	3.5	0	17	0.08
1999-07-28	91	69	80.0	1.6	0	15	0.17
1999-07-29	<b>98</b>	72	85.0	6.6	0	20	0.00
1999-07-30	<b>98</b>	73	85.5	7.1	0	21	0.00
1999-07-31	96	76	86.0	7.7	0	21	0.00
<b>Sum</b>	2828	2151	-	-	0	482	0.63
<b>Average</b>	91.2	69.4	80.3	1.7	-	-	-
<b>Normal</b>	89.4	67.8	78.6	-	0	422	3.36

**Climatological Data for POPLAR BLUFF MUNI AP, MO - July 1999**

Click column heading to sort ascending, click again to sort descending.

Date	Max Temperature	Min Temperature	Avg Temperature	Avg Temperature Departure	HDD	CDD	Precipitation
1999-07-01	84	72	78.0	-1.1	0	13	0.28
1999-07-02	90	70	80.0	0.8	0	15	0.01
1999-07-03	M	M	M	M	M	M	0.00
1999-07-04	92	74	83.0	3.6	0	18	0.00
1999-07-05	92	73	82.5	3.1	0	18	0.00
1999-07-06	94	74	84.0	4.5	0	19	T
1999-07-07	90	71	80.5	1.0	0	16	0.00
1999-07-08	91	64	77.5	-2.1	0	13	0.00
1999-07-09	93	70	81.5	1.9	0	17	0.01
1999-07-10	M	M	M	M	M	M	0.00
1999-07-11	82	65	73.5	-6.2	0	9	0.00
1999-07-12	81	62	71.5	-8.2	0	7	0.00
1999-07-13	84	62	73.0	-6.7	0	8	0.00
1999-07-14	86	60	73.0	-6.7	0	8	0.00
1999-07-15	89	63	76.0	-3.7	0	11	0.01
1999-07-16	91	68	79.5	-0.2	0	15	0.00
1999-07-17	92	70	81.0	1.3	0	16	0.00
1999-07-18	93	72	82.5	2.8	0	18	0.00
1999-07-19	93	72	82.5	2.9	0	18	0.00
1999-07-20	94	74	84.0	4.4	0	19	0.00
1999-07-21	94	74	84.0	4.4	0	19	0.00
1999-07-22	97	75	86.0	6.4	0	21	0.00
1999-07-23	96	75	85.5	6.0	0	21	T
1999-07-24	99	75	87.0	7.5	0	22	0.26
1999-07-25	98	73	85.5	6.0	0	21	0.01
1999-07-26	97	73	85.0	5.6	0	20	0.00
1999-07-27	96	72	84.0	4.6	0	19	0.59
1999-07-28	92	71	81.5	2.2	0	17	0.09
1999-07-29	98	76	87.0	7.7	0	22	0.00
1999-07-30	97	74	85.5	6.2	0	21	0.00
1999-07-31	94	76	85.0	5.8	0	20	0.00
<b>Sum</b>	2669	2050	-	-	0	481	1.26
<b>Average</b>	92.0	70.7	81.4	1.9	-	-	-
<b>Normal</b>	89.7	69.3	79.5	-	0	449	3.93