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Indiana State Climate Office

Monthly Weather Report

Jan 12, 2007



December 2006 Summary

December 1-7

Remnants of a wrapped up low pressure system shifted across Indiana on the morning of December 1st and brought with it winds of over 55mph, before exiting the state by evening. Rainfall was light with average rainfall amounts all being less than a tenth of an inch. High pressure briefly moved in for the 2nd before giving way to a moisture starved cold front that brought very light precipitation of around a hundredth of an inch to two hundredths of an inch to north central and northeastern Indiana on the 3rd and 4th. The 6th and 7th again saw very light precipitation, more widespread on the 6th than the 7th, with a series of cold fronts moving through the state. Some of this precipitation was in the form of snow showers. Temperatures dropped sharply to begin the month from the 60s at the end of November, 50s on the 1st of December, and then 30s for highs by the 2nd of December with the passage of the front. By the 3rd upper teens to low 20s were recorded in the northwest for highs whereas the southern portions of the state warmed into the lower 30s. The 4th and 5th saw a short lived warming trend with temperatures making it into the 40s by the 6th before tumbling back to around the freezing mark by the 7th. Low temperatures struggled to make it to the 20 degree mark across many portions of the state until the 6th when lows soared to around 30 degrees before again dropping back down to the teens for the 7th with the aforementioned cold fronts. Overall temperatures and precipitation values were way below normal. Mean average temperatures were 11.6°F below the normal of 35.3°F and precipitation amounts were 0.60 inches below the normal of 0.67 inches.

December 8-15

The 2nd week of December saw a reverse of what the 1st week of December had in store. Both temperatures and precipitation amounts were above normal. Mean average temperatures were 9.3°F above normal, while precipitation amounts were only two hundredths of an inch above the normal of 0.86 inches. The rain was concentrated during this period to the 10-12th with high pressure or moisture starved fronts reining the rest of the time frame. The 10th received only very light precipitation across northern portions of the state as a weak disturbance moved through. The heavier rains occurred on the 10th and the 11th as gulf moisture opened up ahead of the frontal system. Locations in southern parts of the state received well over an inch of rain in the two day period with other locations across the state reporting over a half inch to around an inch. High

temperatures migrated from the 20s on the 8th to the 60s on the 14th before dropping to around the 50 degree mark to finish off the week. Low temperatures made an astonishing jump from the single digits to the 40s during the same time frame before sagging back off into the 30s.

December 16-22

The 3rd week continued the trend of the 2nd week with above normal temperatures and rainfall. Temperatures being 13.6F above normal and rainfall 0.75 inches above normal contributed to the warm and wet month. Everyday during this week received precipitation at some location in Indiana. A stationary front on the 16th gave way to a cold front on the 17th and 18th. There was a weak disturbance on the 19th, however the bigger story was a low forming out in Colorado that brought a blizzard to the west, but as the system moved east and encountered warm air, dumped rain on the state for the 19-22nd. The heaviest rain occurred on the 21st where over an inch of rain fell in some spots in southern Indiana and the rain finally ended by the evening of the 22nd. 50s and 60s for highs were the rule of thumbs for everyday except the 19th and 20th when high temperatures dropped into the 40s. Low temperatures varied greatly between the 20s and the 50s.

December 23-31

The last week of the month continued the trend of all but the first week of the month with above normal rainfall and temperatures. Temperatures were 11.4°F above the 28.4°F normal and rainfall amounts were 0.61 inches above the normal of 0.90 inches. A system moving up from the south on Christmas Eve and Christmas Day made for a wet holiday and warm temperatures kept the wet holiday from being a white one. Only a few snow showers occurred late in the day on Christmas, the rest of the precipitation as in the form of rain. The 27th-29th were dry allowing for some nice holiday travels either to home or to New Year activities, however by the 30th and 31st rain again soaked the state. This is the same system that brought blizzard conditions again to the New Mexico and Colorado areas, however as with the previous snow storm, temperatures moderated by the time the low pressure system reached the Hoosier State allowing for only rain to occur. During the last two days of the month over an inch of rain fell across a large majority of the state causing low land flooding in many areas. A severe wind damage report even finished off 2006 in Pulaski County where a tree fell and struck a car.

Temperature

Region	Average	Normal	Deviation
Northwest	35.2	28.2	6.9
North central	35.5	28.4	7.1
Northeast	35.8	28.3	7.4
West central	36.6	30.1	6.4
Central	36.8	30.4	6.4

East central	36.6	29.9	6.7
Southwest	39.3	34.3	5.1
South central	38.8	34.3	4.5
Southeast	38.7	33.7	5.0
State	37.0	30.9	6.1

Precipitation

Region	Total	Normal	Deviation	Percent of Normal
Northwest	3.04	2.63	0.41	116
North central	3.14	2.77	0.37	113
Northeast	3.40	2.67	0.73	127
West central	3.85	2.95	0.91	131
Central	4.41	2.98	1.43	148
East central	3.68	2.86	0.82	129
Southwest	4.14	3.52	0.63	118
South central	4.32	3.54	0.78	122
Southeast	3.78	3.37	0.41	112
State	3.80	3.04	0.77	125

Local extremes with over 50% of the data available

	Site	Ob	Dev	% Available Data
Low Precipitation	Brookville	1.98	-1.25	68
High Precipitation	Franklin WWTP	7.24	4.11	94

Winter Season-to-date Same as Month-to-date

Temperature

Region	Average	Normal	Deviation
Northwest	35.2	28.2	6.9
North central	35.5	28.4	7.1
Northeast	35.8	28.3	7.4
West central	36.6	30.1	6.4
Central	36.8	30.4	6.4
East central	36.6	29.9	6.7
Southwest	39.3	34.3	5.1

South central	38.8	34.3	4.5
Southeast	38.7	33.7	5.0
State	37.0	30.9	6.1

Precipitation

Region	Total	Normal	Deviation	Percent of Normal
Northwest	3.04	2.63	0.41	116
North central	3.14	2.77	0.37	113
Northeast	3.40	2.67	0.73	127
West central	3.85	2.95	0.91	131
Central	4.41	2.98	1.43	148
East central	3.68	2.86	0.82	129
Southwest	4.14	3.52	0.63	118
South central	4.32	3.54	0.78	122
Southeast	3.78	3.37	0.41	112
State	3.80	3.04	0.77	125

Annual

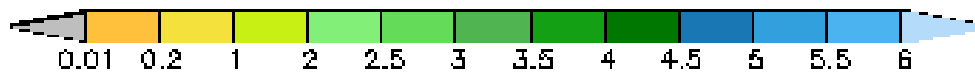
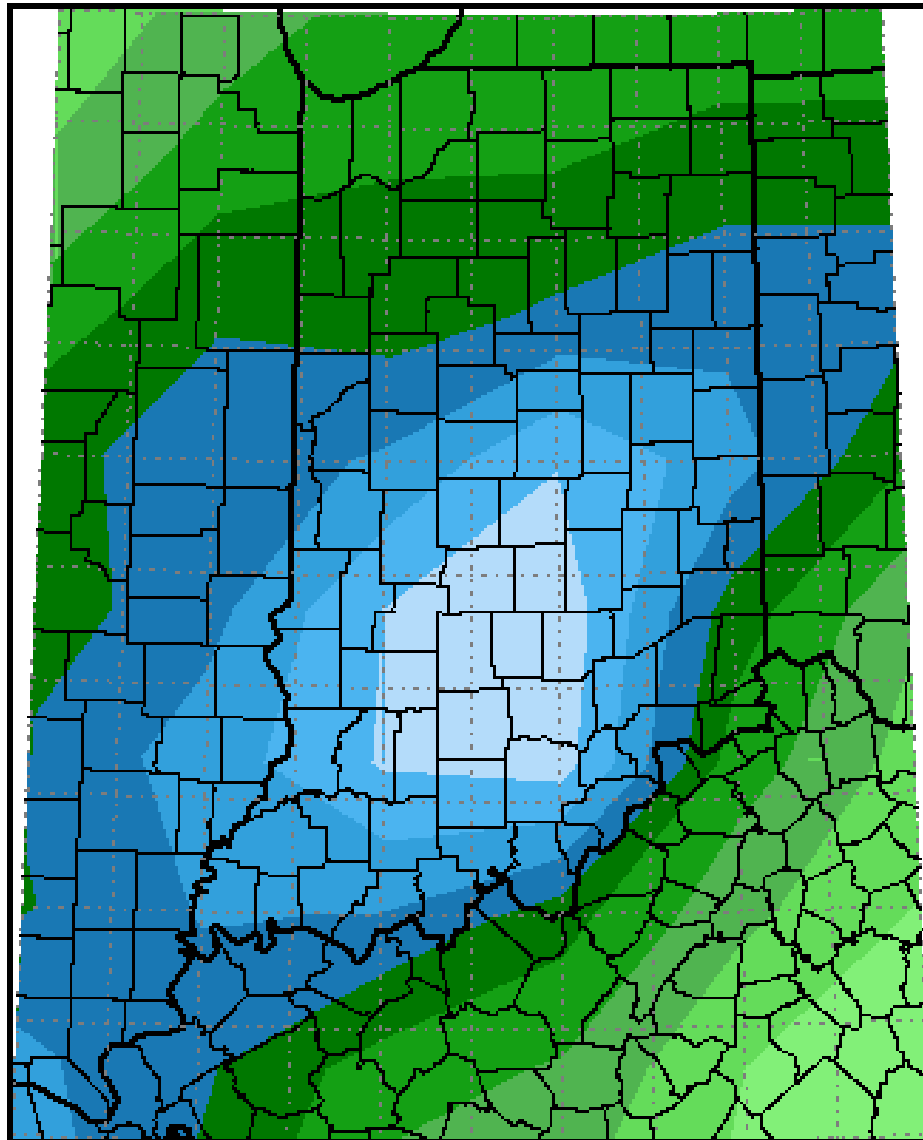
Temperature

Region	Average	Normal	Deviation
Northwest	52.1	50.2	1.9
North central	51.7	49.8	1.9
Northeast	51.6	49.5	2.2
West central	53.5	51.9	1.6
Central	53.2	51.5	1.7
East central	52.7	50.7	2.0
Southwest	56.5	55.1	1.4
South central	55.5	54.5	1.0
Southeast	54.8	53.7	1.1
State	53.6	51.9	1.6

Precipitation

Region	Total	Normal	Deviation	Percent of Normal
Northwest	44.44	38.01	6.43	117
North central	44.41	38.19	6.21	116
Northeast	43.15	36.75	6.40	117
West central	49.19	41.23	7.96	119
Central	54.39	40.74	13.65	134
East central	48.99	39.23	9.76	125
Southwest	60.09	45.56	14.54	132
South central	60.93	45.70	15.22	133
Southeast	53.00	44.12	8.89	120
State	51.48	41.18	10.31	125

**Total Precipitation in Inches
December 1, 2006 to December 31, 2006**

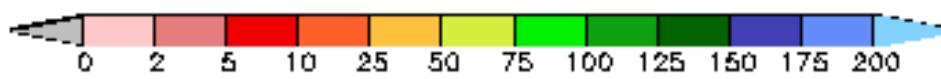
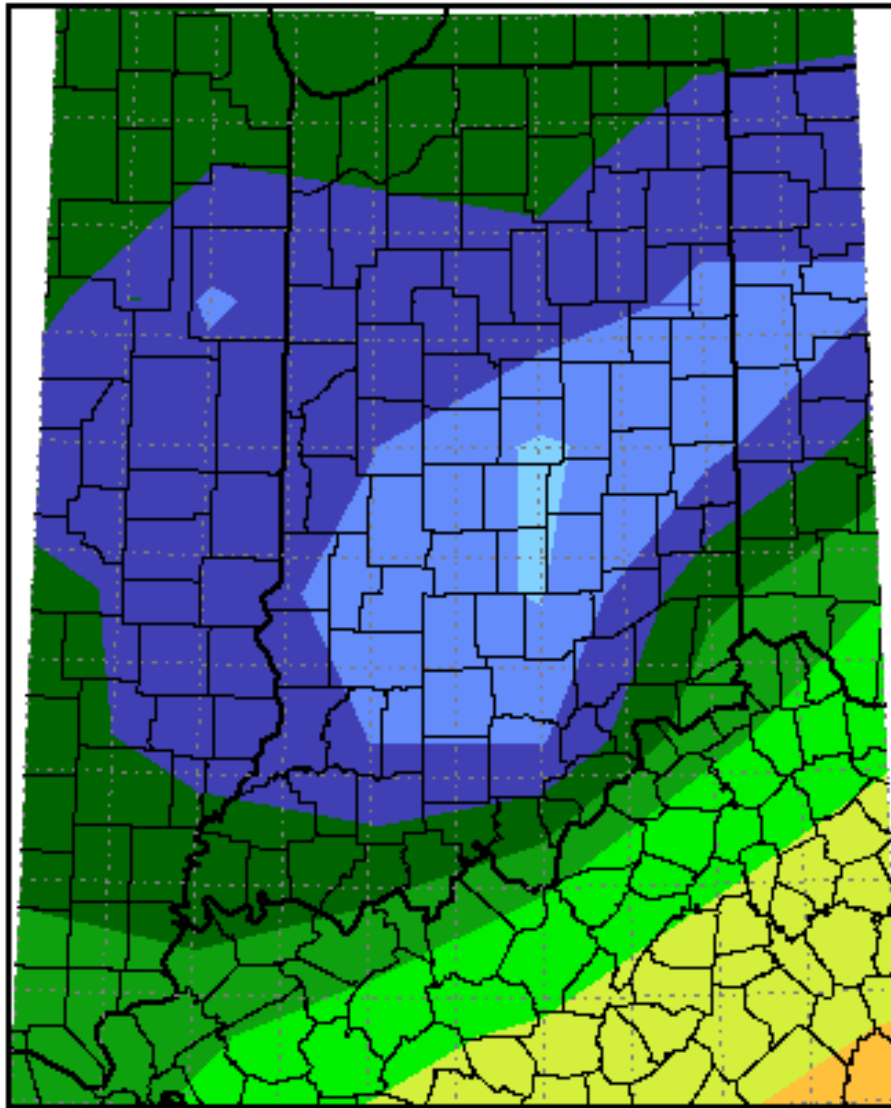


Midwestern Regional Climate Center

Illinois State Water Survey

Champaign, Illinois

**Total Precipitation Percent of Mean
December 1, 2006 to December 31, 2006**

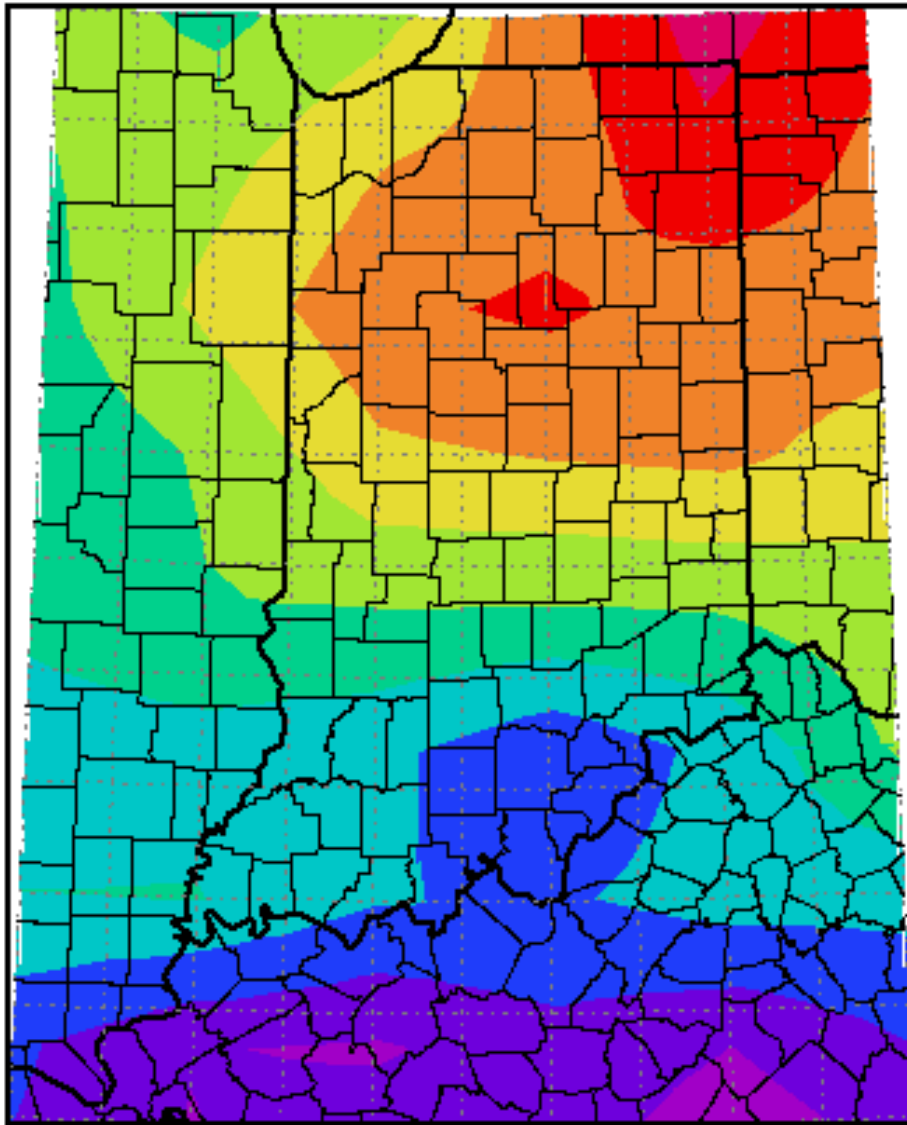


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Champaign, Illinois

**Average Temperature Departure from Mean in Degrees F
December 1, 2006 to December 31, 2006**



Midwestern Regional Climate Center

Illinois State Water Survey

Champaign, Illinois

Contributions from Al Ship NWS Indianapolis