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SWS Miscellaneous Publication 98-7

STATE OF ILLINOIS

DEPARTMENT OF ENERGY AND NATURAL RESOURCES

Local Climatological Data Summary
Freeport, Illinois
1901 – 1990

by Audrey A. Bryan and Wayne Armstrong



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SWS

Illinois State Water Survey

1992

LOCAL CLIMATOLOGICAL DATA FOR
FREEPORT ILLINOIS 1905-1990

Climatological Summary:

Freeport (Stephenson County) has a temperate continental climate, dominated by maritime tropical air from the Gulf of Mexico from about May through early October. Gulf air generally supports relative humidities of about 60% during the day and 85% at night. During these months, there are occasional, interruptions of drier, cooler air from the Pacific Ocean, that typically last for a few days, and reduce daytime temperatures into the 60s or 70s.

Winter climate in northern Illinois is largely a product of being dominated by air from either the Pacific Ocean or the high-latitude Arctic. Ground frost is relatively continuous from late November until March or even early April. Freeport generally experiences one snowstorm of 6 inches or more each year. The greatest snowfall event during one calendar day was 9.5 inches which fell 14 January 1979. Snowcover tends to continue for two months or more. The longest period with at least 2 inches snow on the ground at Freeport was from 13 December 1961 through 23 March 1962 (101 days).

Average annual temperature is about 47°F, varying from 73° in July to 18° in January. Daily highs and lows generally are 10° higher and lower, respectively, from the daily mean. The highest temperature of record is 112°F (14 July 1936), and the lowest is -29°F (27 December 1950 and 30 January 1951).

Mean annual precipitation is 33.05 inches, some of which falls as 34.2 inches of snow. Spring and summer months usually provide showery precipitation of 3.5 inches or so per month, whereas those of fall and winter generally yield 1.5 to 2 inches per month, usually falling for several hours at a time. Two months stand out as substantially wetter than average: June 1969 (10.51 in), and September 1961 (10.29 in). The greatest amount received in one day was 6.19 inches (11 June 1926). Thunderstorms are a signature of spring and summer precipitation, resulting in heavy, short-term showers sometime accompanied by hail, gusty winds and even less often, a tornado. The entire state of Illinois averages 28 tornadoes per year.

Humidities are relatively high in summer, and comfort is often impaired. Winds are generally out of the west or northwest during the winter, and from the southeast in summer. Average wind speed is greatest in winter and spring (about 10 mph), and about 5 to 6 mph during the remainder of the year. Gusts from thunderstorms often reach 60 mph, and are momentary in nature.

Climatological Summary
Means and Extremes For Period 1909-1990

Latitude N42 18
Longitude W89 36

Freeport, Illinois
Elevation 750

Mon	Temperature										Degree Days			Precipitation			Snow										
	Means		Extremes		Number of Days			Heat	Cool	Grow	Greatest	Greatest	Number Days With			Greatest	Greatest										
	Ave	Ave	Ave	High	Low	max	min	Base	Base	Base	Monthly	Daily†	>=0.1	>=0.5	>=1.0	Mean	Amount	Year	Depth	Date							
Jan	26.8	8.7	17.8	60	26/44*	-29	30/51	0	20	30	10	1,460	0	0	1.15	4.21	1960	2.25	12/60	3	1	0	8.5	35.6	1979	33	19/79
Feb	31.9	13.0	22.5	67	15/21	-26	2/59	0	14	27	6	1,195	0	0	1.08	2.94	1971	1.85	27/48	3	0	0	7.0	17.7	1936	23	12/79
Mar	44.2	25.4	34.8	85	30/86	-21	1/62	0	5	24	1	929	0	14	2.25	5.75	1976	2.47	5/76	5	1	0	5.9	27.5	1923	16	17/60†
Apr	59.2	37.1	48.2	93	10/30	0	8/49	0	0	10	0	508	0	92	3.09	8.29	1909	3.03	16/72	7	2	0	1.9	14.2	1973	12	10/73
May	71.2	47.6	59.4	106	31/34	24	10/66	0	0	1	0	216	31	294	3.66	8.24	1927	2.88	13/74	7	3	1	0.1	2.4	1935	2	11/66
Jun	80.3	57.2	68.8	106	1/34	33	5/45	3	0	0	0	38	160	546	3.90	10.51	1969	6.19	11/26	7	3	1					
Jul	83.9	61.7	72.8	112	14/36	41	3/15	6	0	0	0	8	247	714	3.60	8.98	1959	5.91	6/23	6	2	1					
Aug	81.4	59.1	70.3	102	18/36	31	30/15	4	0	0	0	20	189	606	3.80	9.59	1979	3.03	2/42	6	3	1					
Sep	73.9	50.7	62.3	101	7/39*	23	28/42	1	0	1	0	142	59	362	3.86	10.29	1961	5.25	14/61	6	2	1					
Oct	62.4	39.7	51.1	90	7/39	6	29/25	0	0	8	0	435	2	101	2.46	8.20	1919	2.89	10/54	5	2	1	0.1	7.0	1917	2	26/59
Nov	46.7	28.9	37.8	78	1/33	-14	30/47	0	3	21	0	809	0	18	2.42	7.61	1934	3.95	17/52	5	2	1	2.3	11.0	1925	6	14/59†
Dec	31.6	15.1	23.4	66	3/70	-29	27/50	0	15	29	5	1,284	0	1	1.78	4.59	1971	2.04	15/71	5	1	0	8.4	30.2	1909	15	28/69
Ann	57.8	37.0	47.4						14	57	151	22	7044	688+	2748++	33.05				65	22	7	34.2				

Means based on 1961-1990 data

Extremes based on 1909-1990 data

All August temperature related averages have Rockford data substituted for 1973 only.

+ Cooling degree days averages based on mean monthly averages as opposed to daily accumulated values.

++ Growing degree day averages based on data from 1973-1990

* Records also occurred on the following dates:

Jan: 1/27/44 and 1/24/67

Sep: 9/15/39

+ Calendar Day

† Record also occurred on the following dates:

Mar: 3/1/79

Nov: 11/29/71 and 11/14/72

	Probabilities: Precipitation (in)										Missing Data: 0.0%	
	Station: Freeport Waste Wtr Pl										Years: 1961 To 1990	
	1%	5%	10%	25%	50%	75%	90%	95%	99%			
Ja	0.09	0.22	0.32	0.57	0.98	1.55	2.22	2.70	3.76			
Fe	0.06	0.16	0.26	0.49	0.89	1.47	2.16	2.67	3.79			
Ma	0.41	0.72	0.93	1.38	2.05	2.90	3.83	4.48	5.86			
Ap	0.76	1.18	1.47	2.06	2.88	3.89	4.99	5.72	7.29			
Ma	0.61	1.09	1.44	2.18	3.30	4.74	6.34	7.45	9.84			
Jn	0.58	1.08	1.45	2.26	3.49	5.10	6.91	8.16	10.88			
Ju	0.85	1.35	1.68	2.37	3.35	4.55	5.86	6.74	8.62			
Au	0.33	0.74	1.08	1.90	3.24	5.10	7.27	8.81	12.22			
Se	0.15	0.43	0.72	1.52	3.02	5.29	8.11	10.17	14.87			
Oc	0.11	0.32	0.52	1.04	1.97	3.36	5.06	6.29	9.06			
No	0.32	0.62	0.85	1.36	2.14	3.18	4.37	5.19	6.98			
De	0.25	0.48	0.65	1.03	1.61	2.37	3.24	3.84	5.16			
Ann	18.48	22.04	24.13	27.91	32.56	37.70	42.76	45.99	52.46			
Wi	1.42	1.96	2.31	2.98	3.87	4.92	6.01	6.73	8.23			
Sp	3.94	5.08	5.77	7.07	8.73	10.63	12.56	13.81	16.38			
Su	4.48	5.96	6.88	8.63	10.91	13.55	16.27	18.05	21.71			
Fa	2.28	3.49	4.30	5.92	8.18	10.95	13.92	15.92	20.14			

Growing Season Summary
Station: Freeport Waste wtr Pl
Years: 1961 To 1990 Missing Data: 42.2%

Base Temp	Date of Last Spring Occurrence					Date of First Fall Occurrence				
	Median	Early	10%	90%	Late	Median	Early	10%	90%	Late
32	5/03	4/09	4/12	5/10	5/11	10/06	9/22	9/23	10/19	10/28
28	4/20	4/02	4/06	5/06	5/09	10/16	9/23	10/01	11/04	11/05
24	4/08	3/22	3/25	4/19	4/22	11/04	10/03	10/10	11/15	11/20
20	3/25	3/15	3/17	4/08	4/08	11/11	10/24	10/29	11/20	11/26
16	3/18	2/14	2/22	4/06	4/07	11/22	10/30	11/05	12/05	12/07

Base Temp	Length of Season (Days)				
	Median	Shortest	10%	90%	Longest
32	157	138	138	176	179
28	181	150	167	192	199
24	207	178	187	231	233
20	225	214	217	242	245
16	251	219	223	278	281

AVERAGE MAXIMUM TEMPERATURE

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1909	31.5	35.0	39.9	53.4	67.3	76.9	81.3	83.7	71.2	57.7	53.5	23.4	56.2
1910	25.6	27.4	57.3	63.2	65.0	81.3	88.4	83.7	72.5	66.1	38.3	29.0	58.2
1911	38.1	35.1	48.8	54.4	77.4#	84.7#	85.0	80.4	74.0	57.0	38.6	36.9	59.2##
1912	11.9	23.6	32.3	60.1	71.7	76.0	82.4	78.6	74.4	63.8	49.1	38.9	55.2
1913	32.6	29.4	41.1	61.7	68.5	83.8	86.9	86.0	76.7	60.5	52.2	48.8	60.7
1914	35.7	25.8	43.6	60.8	74.1	79.7	86.8	83.5	74.4	66.1	51.2	26.8	59.0
1915	25.4	36.2	40.0	70.3	63.7	75.7	78.1	74.9	74.0	62.2	50.2	31.2	56.8
1916	31.5	26.7	41.2	58.3	71.8	74.3	92.5	87.7	72.7	62.4	47.5	30.0	58.1
1917	28.7	24.9	45.3	56.3	66.4	75.4	88.1	82.6	72.5	50.2	48.9	27.5	55.6
1918	17.2	33.8	53.5	54.5	76.4	78.3*	83.9*	93.0	68.3	66.9	49.7	42.1	59.8**
1919	35.9	36.7	49.3	61.4	69.8	85.4	98.4	84.2	78.8	64.3	42.8	24.4	61.0
1920	23.3	30.7	47.9	54.8	72.3	84.3	85.8	85.5	81.3	69.8	44.3	36.2	59.7
1921	36.5	39.2	55.5	65.7	76.0	86.8	93.0	82.3	92.0	62.3	42.2	27.4	63.2
1922	31.3	35.6	45.0	74.0	75.3	82.5	83.1	83.7	77.6	67.5	49.6	59.0	63.7
1923	45.0	27.0	36.0	57.5	70.5	82.4	85.5	79.8	72.5	66.4	48.2	44.6	59.4
1924	22.2	32.1	37.8	59.5	64.0	74.1	79.6	78.9	68.5	71.6	48.8	25.5	55.2
1925	29.8	36.7	49.1	66.6	68.7	80.9	83.9	83.9	78.5	49.9	45.0	29.1	58.5
1926	33.3	37.1	37.8	54.2	74.3	75.4	82.3	83.5	71.1	59.3	42.0	30.5	56.7
1927	28.5	39.8	48.5	55.9	65.4	75.3	82.1	77.6	78.0	83.0	71.0	30.7	61.3
1928	31.5	36.0	47.2	56.6	75.8	76.1	84.7	84.1	72.9	64.5	46.2	36.1	59.3
1929	22.2	26.1	50.8	61.5	69.5	79.0	87.9	84.7	74.7	60.3	41.9	32.9	57.6
1930	22.5	42.9	46.4	63.8	73.1	80.5	88.7	87.0	79.0	60.3	50.4	33.5	60.7
1931	35.3	41.4	40.9	62.9	67.6	86.2	90.4	85.8	80.9	65.3	54.6	40.3	62.6
1932	35.0	41.2	35.3	59.4	74.8	84.1	88.0	85.1	76.5	66.1	43.2	33.1	60.2
1933	42.9	32.3	43.6	57.8	70.5	91.0	86.8	82.9	80.5	60.8	45.1	34.1	60.7
1934	36.4	30.7	42.2	60.4	83.3	90.1	89.3	83.3	72.4	66.9	51.5	28.5	61.3
1935	29.0	33.0	49.2	56.2	64.6	75.3	90.2	84.2	76.0	63.9	42.4	28.6	57.7
1936	20.6	17.7	47.8	54.4	78.3	81.4	96.5	90.5	76.3	61.2	44.4	37.5	58.9
1937	29.2	38.3	40.0	55.4	71.3	79.0	88.1	89.4	77.5	60.1	44.8	28.9	58.5
1938	28.0	37.7	53.4	60.7	78.4	79.1	86.1	85.7	75.0	69.5	49.2	33.9	61.4
1939	35.7	32.7	47.3	57.1	77.9	83.4	88.8	84.7	83.5	66.2	49.7	41.4	62.4
1940	19.9	32.8	37.5	57.6	67.6	83.0	88.0	81.0	76.5	67.5	43.3	34.5	57.4
1941	31.4	30.7	39.4	64.7	77.5	80.8	87.4	85.5	78.7	64.0	49.5	39.4	60.8
1942	28.8	30.8	48.2	67.7	70.7	79.7	84.6	81.5	71.0	63.9	48.9	27.6	58.6
1943	27.6	35.1	41.8	58.5	67.6	81.8	86.9	83.2	70.3	62.7	42.0	35.7	57.8
1944	38.4	35.1	39.2	55.3	75.7	81.6	84.4	84.0	75.2	64.1	48.1	27.9	59.1
1945	24.7	33.0	59.2	60.9	65.5	75.6	83.9	83.3	72.6	61.5	46.0	26.7	57.7
1946	34.2	37.0	56.4	66.6	70.0	79.6	86.6	81.4	75.5	68.4	48.7	40.4	62.1
1947	34.0	26.4	39.7	58.2	66.3	77.0	83.1	91.4	77.7	72.5	39.5	35.8	58.5
1948	25.5	32.7	44.9	65.4	69.2	80.3	86.7	84.1	78.1	61.6	48.3	35.2	59.3
1949	32.4	31.7	45.0	61.6	74.5	84.7	86.9	83.9	68.8	66.9	48.7	37.1	60.2
1950	35.4	32.0	38.3	52.1	72.6	78.7	81.4	78.1	71.9	67.8	42.0	25.5	56.3

* Rockford data used, Freeport data missing
 ** Annual average calculated from Rockford and Freeport data
 # Mount Carroll data used, Freeport and Rockford data missing
 ## Annual average calculated from Mount Carroll and Freeport data
 R one to nine days missing

AVERAGE MAXIMUM TEMPERATURE

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1951	25.8	31.7	40.1	55.4	73.4	76.1	81.8	77.6	70.2	62.7	39.1	31.0	55.4
1952	31.9	37.1	40.3	63.4	70.7	83.6	86.5	79.9	76.5	60.5	51.0	34.5	59.7
1953	32.3	37.6	45.0	54.8	71.9	83.6	84.7	84.5	75.2	70.0	51.9	35.5	60.6
1954	34.0	43.8	42.8	63.8	67.2	83.2	84.9	79.9	76.2	61.3	48.8	34.0	60.0
1955	28.1	32.1	44.0	66.7	74.7	76.0	88.5	86.4	76.8	64.0	43.0	29.3	59.1
1956	31.5	33.9	42.7	59.0	72.1	83.0	80.2	80.8	72.9	70.6	46.2	35.5	59.0
1957	24.2	37.7	44.3	59.3	68.1	78.8	84.7	80.9	70.9	59.9	44.7	38.6	57.7
1958	27.8	24.6	42.7	60.0	74.1	73.1	78.3	81.5	73.0	65.9	50.3	27.0	56.5
1959	22.7	29.7	41.8	59.5	74.4	80.7	81.5	83.5	75.5	55.9	38.3	39.0	56.9
1960	30.3	28.9	31.8	61.5	67.2	76.1	81.2	81.3	74.8	61.9	49.1	30.9	56.3
1961	29.0	40.8	45.2	52.8	68.6	79.7	80.6	81.3	73.9	63.3	46.2	29.8	57.6
1962	21.9	29.4	38.9	59.5	75.9	79.9	78.3	81.5	70.7	64.6	47.5	31.9	56.7
1963	17.1	26.9	48.4	64.0	70.2	83.9	84.8	81.2	74.4	74.2	51.7	22.5	58.3
1964	36.0	36.1	42.0	60.4	76.1	80.7	84.6	79.5	73.6	62.8	52.1	30.1	59.5
1965	28.8	32.1	34.4	57.1	77.2	80.5	82.9	78.6	71.3	62.2	48.2	40.6	57.8
1966	22.8	33.0	48.5	56.5	66.2	80.6	85.6	81.2	72.5	63.0	49.2	32.5	57.6
1967	34.7	28.4	44.9	59.8	67.7	80.5	80.5	76.5	71.5	60.0	41.6	35.3	56.8
1968	29.6	32.0	53.6	62.1	68.7	80.4	81.7	82.5	73.6	63.5	45.0	32.3	58.8
1969	25.0	33.8	42.5	62.6	71.7	74.2	82.1	82.9	73.7	58.9	45.9	31.1	57.0
1970	20.7	32.3	42.6	60.7	73.8	79.2	84.2	82.5	74.2	63.5	44.2	34.6	57.7
1971	24.2	31.3	40.7	61.1	69.8	84.3	79.7	81.4	78.7	70.2	47.2	37.1	58.8
1972	27.5	30.0	42.5	56.9	75.3	80.6	82.1	81.6	74.7	58.4	41.1	29.5	56.7
1973	33.9	34.6	52.6	57.2	66.6	81.7	85.0	83.4*	73.2	66.9	46.6	30.9	59.4**
1974	26.6	31.0	43.9	61.1	65.1	76.0	87.1	79.5	71.3	62.5	46.9	33.3M	57.0M
1975	31.3	29.9	36.4	51.2	74.0	80.3	85.3	83.3	69.4	67.1	52.3	34.6	57.9
1976	26.4	41.4	48.7	61.9	67.5	82.2	86.7	82.4	73.3	57.0	40.4	25.6	57.8
1977	14.4	32.0	50.9	65.9	80.3	79.8	87.5	77.5	73.0	59.3	45.5	28.5	57.9
1978	20.7	23.6	38.2	59.0	68.6	81.3	81.9M	83.3	80.7	60.8	48.0	29.6	56.3M
1979	16.6	21.5	40.6	54.1	71.5	79.8	82.9	80.1	77.2	61.6	46.0	38.5	55.9
1980	29.8	28.6	38.4	58.1	73.5	78.9	86.6	83.4	74.8	58.2	48.0	32.5	57.5
1981	32.0	36.0	48.8	62.8	67.9	80.5	81.9	80.2	72.7	59.9	49.8	32.1	58.7
1982	18.2	28.2	41.0	54.0	75.2	75.2	83.2	79.3	72.4	65.4	45.4	40.4	56.5
1983	31.5	37.0	45.4	52.4	65.7	81.6	88.6	89.3	75.2	63.2	48.3	19.4	58.1
1984	25.5	40.8	36.5	56.6	66.9	81.7	82.5	85.4	73.9	64.4	47.7	37.2	58.3
1985	23.5	27.0	48.5	64.6	75.5	77.7	84.3	78.8	74.7	61.7	41.6	24.1	56.8
1986	29.0	29.1	47.9	64.4	71.1	80.4	85.0	78.3	74.3	61.6	42.6	34.0	58.2
1987	31.7	41.5	48.5	63.5	75.5	84.5	86.9	79.9	73.5	56.4	49.8	34.2	60.5
1988	22.9	28.4	45.9	59.3	76.4	85.9	88.6	87.5	77.8	56.1	46.8	33.6	59.1
1989	34.6	23.9	42.0	56.3	69.4	79.1	85.4	80.1	71.0	64.2	43.8	22.8	56.1
1990	38.0	36.2	47.2	58.6	64.7	78.7	80.7	80.0	75.5	60.0	51.5	30.4	58.5

* Rockford data used, Freeport data missing
 ** Annual average calculated from Rockford and Freeport data
 † Mount Carroll data used, Freeport and Rockford data missing
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 M one to nine days missing

AVERAGE MINIMUM TEMPERATURE

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AGG	SEP	OCT	NOV	DEC	ANN
1909	14.3	18.3	25.7	33.8	44.7	56.3	59.7	61.5	50.4	35.6	34.3	6.9	36.8
1910	8.4	6.9	34.8	37.6	41.9	52.2	62.1	58.9	51.6	42.5	22.4	11.0	35.9
1911	12.0	20.0	25.6	34.8	51.5	50.0	60.4	58.1	53.9	40.6	22.4	22.2	37.6
1912	-5.3	7.0	12.9	36.8	47.6	52.6	60.5	57.7	52.8	39.9	28.0	19.6	34.2
1913	13.7	9.5	19.4	36.3	46.4	56.4	68.1	59.7	49.6	38.4	33.4	24.0	37.9
1914	19.5	3.8	23.3	36.6	47.6	56.7	60.5	56.8	50.9	43.9	27.4	6.7	36.1
1915	4.8	22.2	22.1	40.7	42.6	49.8	55.7	50.7	50.6	38.7	26.4	14.0	34.9
1916	10.2	7.9	18.9	40.7	49.7	51.8	65.9	61.5	49.5	40.2	28.9	11.1	36.4
1917	8.1	5.4	26.5	35.4	41.3	54.0	61.4	56.0	48.3	32.6	30.7	12.6	34.4
1918	-1.4	14.5	29.0	32.1	52.3	53.0	43.0	50.0	46.2	42.3	32.4	25.8	33.0
1919	15.1	18.1	25.8	37.8	43.5	61.7	62.5	57.1	53.1	42.0	26.1	7.0	37.5
1920	4.9	13.6	26.6	33.5	44.5	56.5	57.4	55.2	53.4	44.6	28.1	20.1	36.5
1921	20.4	21.5	31.8	40.9	49.9	61.8	64.3	57.9	42.0	40.3	27.4	17.4	40.0
1922	8.3	14.4	27.9	24.0	51.8	55.6	58.1	58.0	50.1	40.1	32.7	-15.0	34.0
1923	9.0	10.3	18.5	35.9	46.0	60.4	62.4	57.8	52.5	37.8	31.1	26.3	37.0
1924	3.2	18.3	25.6	37.9	42.7	54.6	57.6	58.7	46.6	43.3	28.5	8.8	36.0
1925	10.5	17.8	26.6	40.3	42.0	59.2	61.3	59.0	56.9	32.5	24.7	9.8	37.0
1926	13.5	22.1	19.5	30.9	47.9	50.9	61.0	60.7	53.4	39.2	25.8	15.2	37.0
1927	9.2	23.4	30.4	37.9	46.0	52.8	58.9	52.1	53.7	28.0	16.0	13.2	35.0
1928	14.6	19.7	26.4	33.1	47.1	52.8	61.1	59.8	45.2	42.4	32.0	20.1	38.0
1929	-1.0	4.5	29.3	39.7	43.6	52.8	59.8	56.5	49.1	39.4	23.5	17.9	37.0
1930	2.3	24.3	24.9	37.3	47.5	55.9	60.3	58.0	50.3	38.5	26.9	16.5	37.0
1931	19.5	33.5	24.8	35.8	42.8	59.4	61.1	56.7	57.4	46.7	36.5	27.0	41.0
1932	21.8	20.9	18.4	35.5	47.6	58.1	60.8	58.9	47.0	38.7	22.7	15.0	37.0
1933	22.9	10.9	25.7	36.1	49.7	61.6	60.0	56.1	54.6	37.0	26.2	18.1	38.0
1934	20.0	11.4	21.9	36.0	50.3	62.1	63.5	57.0	50.9	42.9	34.2	12.8	39.0
1935	10.6	19.2	29.3	35.3	42.9	53.4	64.8	59.9	50.8	39.0	27.3	13.7	37.0
1936	3.0	-2.5	27.3	31.9	51.0	52.2	61.8	60.7	53.9	38.1	24.9	18.8	37.0
1937	9.6	12.6	23.0	36.5	48.6	56.0	60.2	61.5	48.9	37.7	23.7	14.4	36.0
1938	12.7	24.3	31.3	38.4	47.3	55.5	61.6	61.6	52.8	42.5	28.6	16.9	40.0
1939	19.5	10.8	23.5	33.0	49.5	57.9	60.5	56.7	52.2	39.5	28.3	24.0	38.0
1940	2.6	17.9	21.7	34.9	44.9	57.6	61.1	60.5	49.4	42.3	25.5	21.8	37.0
1941	17.4	12.7	21.0	41.7	50.9	58.3	60.7	59.7	54.2	43.3	32.3	25.1	40.0
1942	12.1	14.3	29.5	38.1	47.0	57.9	60.5	58.3	50.7	37.6	29.0	10.4	37.0
1943	6.4	13.7	19.0	34.6	45.7	61.4	60.5	60.7	46.3	36.7	23.4	14.6	38.0
1944	16.2	16.7	21.6	33.5	52.9	61.1	57.6	58.6	54.1	37.1	33.5	9.8	38.0
1945	6.4	16.9	34.7	38.6	42.0	52.8	56.8	57.5	50.7	35.4	27.9	9.8	36.0
1946	14.6	15.9	32.7	36.9	44.1	56.2	58.6	55.3	49.6	41.7	28.4	19.7	38.0
1947	15.3	8.0	27.2	36.6	43.0	55.1	57.6	65.5	53.7	46.9	25.2	19.2	38.0
1948	4.8	11.9	23.6	40.9	43.4	54.1	59.8	57.4	52.8	34.9	37.2	17.0	37.0
1949	12.3	11.6	25.4	30.6	47.5	59.2	64.4	58.7	44.6	41.1	27.8	18.5	37.0
1950	12.6	13.9	27.2	31.4	46.9	56.2	56.2	55.3	50.4	42.4	21.9	4.7	35.0

* Rockford data used, Freeport data missing
 ** Annual average calculated from Rockford and Freeport data
 M one to nine days missing

AVERAGE MINIMUM TEMPERATURE

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1951	7.0	15.1	23.2	35.7	50.1M	55.0	59.7	58.2	49.2	42.7	20.7	18.5M	36.3M
1952	12.7	22.3	22.5	36.2	47.4	60.6	63.6	58.1	48.4	30.5	27.6	22.7	37.7
1953	15.9M	20.1	25.7	34.7	47.1	58.4	60.0	57.1	49.4	40.1	30.2	19.9	38.2M
1954	20.0	26.6	22.6	40.5	42.1	61.4M	62.4	58.9	53.1	40.8	28.0	20.0	37.9M
1955	13.1	13.9	23.0	42.4	49.7	54.2	65.4	63.2	51.1	41.4	22.9	10.8	37.6
1956	13.6	15.6	23.7	32.4	47.0	59.2	61.0	60.9	48.9	43.7	28.4	20.1	37.9
1957	4.5	22.3	24.8	39.7	46.5	58.0	63.0	59.2	49.2	36.3	29.3	21.5	37.9
1958	11.0	6.7	25.7	37.1	46.3	53.8	59.8	60.3	52.4	43.0	30.3	9.5	36.3
1959	2.5	10.0	24.1	37.2	54.5	58.2	59.6	66.5	54.8	40.5	20.0	26.0	37.8
1960	14.9	13.5	9.3	41.4	47.4	56.6	59.8	62.0	55.8	39.7	30.6	12.9	37.0
1961	10.3	22.1	28.7	33.0	43.7	56.6	60.8	60.4	54.2	43.0	29.6	13.1	38.0
1962	4.5	12.9	22.0	36.5	55.5	56.8	60.2	59.1	47.7	44.9	27.7	12.5	36.7
1963	.1	6.4	29.3	38.8	46.9	58.1	61.3	58.0	51.6	49.1	33.2	3.1	36.3
1964	17.2	15.1	24.4	39.5	53.1	58.5	63.0	58.3	52.1	36.8	32.3	13.1	38.6
1965	11.0	13.3	19.4	37.5	52.6	56.2	60.8	60.1	53.5	42.6	31.0	25.0	38.6
1966	3.5	15.1	28.8	35.9	42.7	58.4M	63.0	57.0	48.8	38.7	30.5	18.0	36.7M
1967	14.8M	7.5	27.7	39.0	42.8	59.6	58.9	54.1	47.8	40.7	27.1	20.5	36.7M
1968	11.6	11.5	29.2M	37.9	45.1	58.8	60.4	60.3	51.3	43.1	30.2	17.4	38.1M
1969	9.8	19.5	20.8	38.4	47.9	53.4	63.9	61.1	52.3	40.1	26.8	16.2	37.5
1970	3.1	12.7	23.9	40.0	51.6	59.0	63.0	60.5	53.8	43.9	30.4	17.9	38.3
1971	4.8	15.9	24.5	35.4	43.7	62.6	58.9	56.6	54.8	49.5	30.0	23.3	38.3
1972	8.6	10.3	23.2	35.1M	49.4	53.8	60.7	62.7	54.6	39.7	30.6	14.2	36.9M
1973	18.5	19.6	34.7	38.9	46.7	60.7	63.4	62.9*	54.1	44.5	28.8	14.8	40.6**
1974	12.4	12.8	25.6	37.9	45.8	54.8	62.8	58.1	45.5	38.9M	30.3	20.0M	37.1M
1975	13.1	14.9	17.3	32.5	51.1	58.9	61.4	62.1	44.7	38.0	32.4	19.7	37.2
1976	5.9	18.5	27.6	39.1	44.0	56.9	60.1	55.2	45.6	32.7	19.0	2.7	34.0
1977	-6.2	11.5	31.7	41.6	53.0	55.6	62.9M	56.4	52.5	37.6	28.1	10.3	36.3M
1978	.3	.4	18.0	36.0	44.8M	57.8	62.6M	59.4	53.7	37.7	27.2	12.3	34.2M
1979	-3.1	1.2	23.3	35.1	46.1	56.7	59.9	59.3	49.6	38.7	29.3	19.8	34.7
1980	13.0	8.3	21.7	38.2	47.7	55.9	63.2	62.2	52.0	35.7	29.1	16.8	37.0
1981	12.3	15.7	25.6	39.8M	44.5	57.8	61.0	58.6	49.4	36.3	30.4M	14.0M	37.1M
1982	-1.5	9.4	22.4	32.3	53.5	51.7	63.1	57.7	49.3	39.0	28.9	24.5	35.9
1983	17.7	21.0	28.4	35.0	45.0	57.6	64.5	61.1	50.0	41.2	32.1	4.8	38.2
1984	8.4	22.4	21.2	36.5	44.4	58.9	58.5	58.2	47.5	41.4	26.8	17.6	36.8
1985	1.7	8.2	29.1	41.9	49.4	54.2	59.6	54.5	51.6	38.0	24.7	1.5	34.5
1986	8.0	11.3	25.2	38.3	48.4	55.5	62.0	54.1	53.4	40.4	23.8	20.7	36.8
1987	16.2	20.6	28.4	37.0	50.1	59.5	64.0	60.5	49.8	32.9	32.4	23.8	39.6
1988	3.1	9.4	25.8	35.0	47.3	57.2	62.1	64.2	50.4	32.6	29.6	16.1	36.1
1989	19.9	5.4	24.3	33.6	45.5	55.8	62.2	57.8	47.0	38.4	23.3	4.9	34.9
1990	20.8	16.8	29.9	36.4	45.4	58.6	61.7	61.0	53.1	35.9	30.8	13.3	38.7

* Rockford data used, Freeport data missing

** Annual average calculated from Rockford and Freeport data

M one to nine days missing

AVERAGE MEAN TEMPERATURE

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1909	22.4	26.7	32.8	43.6	56.0	66.6	70.5	72.6	60.8	46.7	43.9	15.2	45.2
1910	17.0	17.2	46.1	50.4	53.5	66.8	75.3	71.3	62.1	54.3	30.4	20.0	47.1
1911	25.0	27.6	37.2	44.6	64.5#+	67.4#+	72.7	69.3	64.0	48.8	30.5	29.6	48.4##
1912	3.5	15.3	22.6	48.5	59.7	64.3	71.5	68.2	63.6	51.9	38.6	29.3	44.7
1913	23.2	19.5	30.3	49.0	57.5	70.1	77.5	72.9	63.2	49.5	42.8	36.4	49.3
1914	27.6	14.8	33.5	48.7	60.9	68.2	73.7	70.2	62.7	55.0	39.3	16.8	47.6
1915	15.1	29.2	31.1	55.5	53.2	62.8	66.9	62.8	62.3	50.5	38.3	22.6	45.9
1916	20.9	17.3	30.1	49.5	60.8	63.1	79.2	74.6	61.1	51.3	38.2	20.6	47.3
1917	18.4	16.7	35.9	45.9	53.9	64.7	74.8	69.3	60.4	41.4	39.8	20.1	45.0
1918	7.9	24.2	41.3	43.3	64.4	65.7**	63.5**	71.5	57.3	54.6	41.1	34.0	47.4**
1919	25.5	27.4	37.6	49.6	56.7	73.6	80.5	70.7	66.0	53.2	34.5	15.7	49.3
1920	14.1	22.2	37.3	44.2	58.4	70.4	71.6	70.4	67.4	57.2	36.2	28.2	48.1
1921	28.5	30.4	43.7	53.3	63.0	74.3	78.7	70.1	67.0	51.3	34.8	22.4	51.6
1922	19.8	25.0	36.5	49.0	63.6	69.1	70.6	70.9	63.9	53.8	41.2	22.0	48.9
1923	27.0	18.7	27.3	46.7	58.3	71.4	74.0	68.8	62.5	52.1	39.7	35.5	48.2
1924	12.7	25.2	31.7	48.7	53.4	64.4	68.6	68.8	57.6	57.5	38.7	17.2	45.6
1925	20.2	27.3	37.9	53.5	55.4	70.1	72.6	71.5	67.7	41.2	34.9	19.5	47.8
1926	23.4	29.6	28.7	42.6	61.1	63.2	71.7	72.1	62.3	49.3	33.9	22.9	46.9
1927	18.9	31.6	39.5	46.9	55.7	64.1	70.5	64.9	65.9	55.5	43.5	22.0	48.2
1928	22.6	27.9	36.8	44.9	61.5	64.5	72.9	72.0	59.1	53.5	39.1	28.1	48.7
1929	10.6	15.3	40.1	50.6	56.6	65.9	73.9	70.6	61.9	49.9	32.7	25.4	47.3
1930	12.4	33.6	35.7	50.6	60.3	68.2	74.5	72.5	64.7	49.4	38.7	25.0	48.9
1931	27.4	32.5	32.9	49.4	55.2	72.8	75.7	71.3	69.2	56.0	45.6	33.7	51.8
1932	28.4	31.1	26.9	47.5	61.2	71.1	74.4	72.0	61.8	52.4	33.0	24.1	48.6
1933	32.9	21.6	34.7	47.0	60.1	76.3	73.4	69.5	67.6	48.9	35.7	26.1	49.4
1934	28.2	21.1	32.1	48.2	66.8	76.1	76.4	70.2	61.7	54.9	42.9	20.7	50.2
1935	19.8	26.1	39.3	45.8	53.8	64.4	77.5	72.1	63.4	51.5	34.9	21.2	47.4
1936	11.8	7.6	37.6	43.2	64.7	66.8	79.2	75.6	65.1	49.7	34.7	28.2	48.0
1937	19.4	25.5	31.5	46.0	60.0	67.5	74.2	75.5	63.2	48.9	34.3	21.7	47.3
1938	20.4	31.0	42.4	49.6	62.9	67.3	73.9	73.7	63.9	56.0	38.9	25.4	50.7
1939	27.6	21.8	35.4	45.1	63.7	70.7	74.7	70.7	67.9	52.9	39.0	32.7	50.2
1940	11.3	25.4	29.6	46.3	56.3	70.3	74.6	70.8	63.0	54.9	34.4	28.2	47.2
1941	24.4	21.7	21.4	53.2	64.2	69.6	74.1	72.6	66.5	53.7	40.9	32.3	50.4
1942	20.5	22.6	38.8	52.9	58.9	68.8	72.6	69.9	60.9	50.8	39.0	19.0	47.8
1943	17.0	24.4	30.4	46.6	56.7	71.6	73.7	72.0	58.3	44.7	32.7	25.2	47.9
1944	27.3	25.9	30.4	44.4	64.3	71.4	71.0	71.3	64.7	50.6	40.8	18.9	48.6
1945	15.6	25.0	47.0	49.8	53.8	64.2	70.4	70.4	61.7	48.5	37.0	18.3	46.9
1946	24.4	26.5	44.6	51.8	57.1	67.9	72.6	68.4	62.6	55.1	38.6	30.1	50.1
1947	24.7	17.2	33.5	47.4	54.7	66.1	70.4	78.5	65.7	59.7	32.4	27.5	48.3
1948	15.2	22.3	34.3	53.2	56.3	67.2	73.1	70.8	65.5	48.2	42.8	26.1	48.2
1949	22.4	21.7	35.2	46.1	61.0	72.0	75.7	71.3	56.7	54.0	38.3	27.8	48.5
1950	24.0	23.0	32.8	41.8	59.8	67.5	68.8	66.7	61.2	55.1	32.0	15.1	45.7

* Rockford data used, Freeport data missing

#+ Mean temperature calculated from Rockford average monthly maximum and Freeport average monthly minimum temperatures

#- Mean temperature calculated from Mount Carroll average monthly maximum and Freeport average monthly minimum temperatures.

Annual average calculated from Mount Carroll and Freeport data

** Annual average calculated from Rockford and Freeport data

one to nine days missing

AVERAGE MEAN TEMPERATURE

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1951	16.4	23.4	31.7	45.6	61.8M	65.6	70.8	67.9	59.7	52.7	29.9	24.8M	45.9M
1952	22.3	29.7	31.4	49.8	59.1	72.1	75.1	69.0	62.5	45.5	39.3	28.6	48.7
1953	24.1M	28.9	35.4	44.8	59.5	71.0	72.4	70.8	62.3	55.1	41.1	27.7	49.4M
1954	27.0	35.2	32.7	52.2	54.7	72.3M	73.7	69.4	64.7	51.1	38.4	27.0	49.9M
1955	20.6	23.0	33.5	54.6	62.2	65.1	77.0	74.8	64.0	52.7	33.0	20.1	48.4
1956	22.6	24.8	33.2	45.7	59.6	71.1	70.6	70.9	60.9	57.2	37.3	27.8	48.5
1957	14.4	30.0	34.6	49.5	57.3	68.4	73.9	70.1	60.1	48.1	37.0	30.1	47.8
1958	19.4	15.7	34.2	48.6	60.2	63.5	69.1	70.9	62.7	54.5	40.3	18.3	46.5
1959	12.6	19.9	33.0	48.4	64.5	69.5	70.6	75.0	65.2	48.2	29.2	32.5	47.4
1960	22.6	21.2	20.6	51.5	57.3	66.4	70.5	71.7	65.3	50.8	39.9	21.9	46.6
1961	19.7	31.5	37.0	42.9	56.2	68.2	70.7	70.9	64.1	53.2	37.9	21.5	47.8
1962	13.2	21.2	30.5	48.0	65.7	68.4	69.3	70.3	59.2	54.8	37.6	22.2	46.7
1963	8.6	16.7	38.9	51.4	58.6	71.0	73.1	69.6	63.0	61.7	42.5	12.8	47.3
1964	26.6	25.6	33.2	50.0	64.6	69.6	73.8	68.9	62.9	49.8	42.2	21.6	49.1
1965	19.9	22.7	26.9	47.3	64.9	68.4	71.9	69.4	62.4	52.4	39.6	32.8	48.2
1966	13.2	24.1	38.7	46.2	54.5	69.5M	74.3	69.1	60.7	50.9	39.9	25.3	47.2M
1967	24.8M	18.0	36.3	49.4	55.3	70.1	69.7	65.3	59.7	50.4	34.4	27.9	46.8M
1968	20.6	21.8	41.4M	50.0	56.9	69.6	71.1	71.4	62.5	53.3	37.6	24.9	48.4M
1969	17.4	26.7	31.7	50.5	59.8	63.8	73.0	72.0	63.0	49.5	36.4	23.7	47.3
1970	11.9	22.5	33.3	50.4	62.7	69.1	73.6	71.5	64.0	53.7	37.3	26.3	48.0
1971	14.5	23.6	32.6	48.3	56.8	73.5	69.3	69.0	66.8	59.9	38.6	30.2	48.6
1972	18.1	20.2	32.9	46.0M	62.4	67.2	71.4	72.2	64.7	49.1	35.9	21.9	46.8M
1973	26.2	27.1	43.7	48.1	56.7	71.2	74.2	73.1*	63.7	55.7	37.7	22.9	50.0**
1974	19.5	21.9	34.8	49.5	55.5	65.4	75.0	68.8	58.4	50.7M	38.6	26.7M	47.1M
1975	22.2	22.4	26.9	41.9	62.6	69.6	73.4	72.7	57.1	52.6	42.4	27.2	47.6
1976	16.2	30.0	38.2	50.5	55.8	69.6	73.4	68.8	59.5	44.9	29.7	14.2	45.9
1977	4.1	21.8	41.3	53.8	66.7	67.7	75.2M	67.0	62.8	48.5	36.8	19.4	47.1M
1978	10.5	12.0	28.1	47.5	56.7M	69.6	72.3M	71.4	67.2	49.3	37.6	21.0	45.3M
1979	6.8	11.4	32.0	44.6	58.8	68.3	71.4	69.7	63.4	50.2	37.7	29.2	45.3
1980	21.0	18.5	30.1	48.2	60.6	67.4	74.9	72.8	63.4	47.0	38.6	24.7	47.3
1981	22.2	25.9	37.2	51.3M	56.2	69.2	71.5	69.4	61.1	48.1M	40.1	23.1M	48.0M
1982	8.4	18.8	31.7	43.2	64.4	63.5	73.2	68.5	60.9	52.2	37.2	32.5	46.2
1983	24.6	29.0	36.9	43.7	55.4	69.6	76.6	75.2	62.6	52.2	40.2	12.1	48.2
1984	17.0	31.6	28.9	46.6	55.7	70.3	70.5	71.8	60.7	52.9	37.3	27.4	47.6
1985	12.6	17.6	38.8	53.3	62.5	66.0	72.0	66.7	63.2	49.9	33.2	12.8	45.7
1986	18.5	20.2	36.6	51.4	59.8	68.0	73.5	66.2	63.9	51.0	33.2	27.4	47.5
1987	24.0	31.1	38.5	50.3	62.8	72.0	75.5	70.2	61.7	44.7	41.1	29.0	50.1
1988	13.0	18.9	35.9	47.2	61.9	71.6	75.4	75.9	64.1	44.4	38.2	24.9	47.6
1989	27.3	14.7	33.2	45.0	57.5	67.5	73.8	69.0	59.0	51.3	33.6	13.9	45.5
1990	29.4	26.5	38.6	47.5	55.1	68.7	71.2	70.5	64.3	48.0	41.2	21.9	48.6

* Rockford data used, Freeport data missing

M Mean temperature calculated from Rockford average monthly maximum and Freeport average monthly minimum temperatures

M Mean temperature calculated from Mount Carroll average monthly maximum and Freeport average monthly minimum temperatures.

** Annual average calculated from Mount Carroll and Freeport data

** Annual average calculated from Rockford and Freeport data

M one to nine days missing

COOLING DEGREE DAYS^a

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1909	0	0	0	0	0	125	190	236	33	0	0	0	584
1910	0	0	0	0	0	129	319	195	54	0	0	0	697
1911	0	0	0	0	92 ^{††}	138 ^{††}	239	171	84	0	0	0	724 ^{##}
1912	0	0	0	0	13	89	202	153	78	0	0	0	535
1913	0	0	0	0	0	181	388	245	71	0	0	0	885
1914	0	0	0	0	33	151	270	185	63	0	0	0	702
1915	0	0	0	0	0	65	131	64	57	0	0	0	317
1916	0	0	0	0	31	70	440	298	38	0	0	0	877
1917	0	0	0	0	0	95	304	171	27	0	0	0	597
1918	0	0	0	0	90	111 ^{*†}	75 ^{*†}	202	0	0	0	0	438 ^{**}
1919	0	0	0	0	0	258	481	194	116	0	0	0	1049
1920	0	0	0	0	0	186	205	189	138	0	0	0	718
1921	0	0	0	0	67	279	425	184	132	0	0	0	1087
1922	0	0	0	0	77	165	192	197	83	0	0	0	714
1923	0	0	0	0	0	192	279	162	60	0	0	0	693
1924	0	0	0	0	0	91	159	162	0	0	0	0	412
1925	0	0	0	0	0	181	236	202	143	0	0	0	762
1926	0	0	0	0	36	71	208	220	57	0	0	0	592
1927	0	0	0	0	0	86	190	98	114	0	0	0	488
1928	0	0	0	0	42	92	245	217	6	0	0	0	602
1929	0	0	0	0	0	114	276	192	51	0	0	0	633
1930	0	0	0	0	23	151	295	233	95	0	0	0	797
1931	0	0	0	0	0	234	332	195	167	0	0	0	928
1932	0	0	0	0	38	183	291	217	49	0	0	0	778
1933	0	0	0	0	20	339	260	174	141	0	0	0	934
1934	0	0	0	0	130	333	353	185	48	0	0	0	1049
1935	0	0	0	0	0	91	388	220	75	0	0	0	774
1936	0	0	0	0	95	129	440	329	102	0	0	0	1095
1937	0	0	0	0	18	140	285	326	71	0	0	0	840
1938	0	0	0	0	66	137	276	270	83	0	0	0	832
1939	0	0	0	0	79	191	301	194	146	0	0	0	911
1940	0	0	0	0	0	184	298	195	68	0	0	0	745
1941	0	0	0	0	87	173	282	236	124	0	0	0	902
1942	0	0	0	0	0	160	236	181	35	0	0	0	612
1943	0	0	0	0	0	198	270	217	0	0	0	0	685
1944	0	0	0	0	89	192	199	195	95	0	0	0	770
1945	0	0	0	0	0	87	189	189	48	0	0	0	513
1946	0	0	0	0	0	146	236	156	62	0	0	0	600
1947	0	0	0	0	0	118	189	419	111	13	0	0	850
1948	0	0	0	0	0	135	251	195	108	0	0	0	689
1949	0	0	0	0	34	210	332	195	0	0	0	0	771
1950	0	0	0	0	15	140	162	128	40	0	0	0	485

^a Cooling degree days based on Bean temperatures as opposed to daily accumulated amounts.

* Rockford data used, Freeport data missing

^{††} Calculations for cooling degree days based on a mean temperature computed from Rockford average monthly maximum and Freeport average monthly minimum temperatures

[†] Calculations for cooling degree days based on a mean temperature computed from Mount Carroll average monthly maximum and Freeport average monthly minimum temperatures

^{##} Annual total calculated from Mount Carroll and Freeport data

^{**} Annual total calculated from Rockford and Freeport data

^M One to nine days missing

COOLING DEGREE DAYS^A

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DEC	ANN
1951	0	0	0	0	47M	110	195	148	16	0	0	0M	516M
1952	0	0	0	0	3	213	313	166	60	0	0	0	755
1953	0M	0	0	0	10	195	229	195	57	0	0	0	686M
1954	0	0	0	0	0	219M	270	172	95	0	0	0	746M
1955	0	0	0	0	54	102	372	304	84	0	0	0	916
1956	0	0	0	0	11	183	192	197	35	0	0	0	618
1957	0	0	0	0	0	154	276	184	22	0	0	0	636
1958	0	0	0	0	21	76	167	197	63	0	0	0	524
1959	0	0	0	0	92	172	192	310	103	0	0	0	869
1960	0	0	0	0	0	122	190	208	105	0	0	0	625
1961	0	0	0	0	0	151	194	197	86	0	0	0	628
1962	0	0	0	0	112	154	171	187	8	0	0	0	632
1963	0	0	0	0	0	195	251	176	68	46	0	0	736
1964	0	0	0	0	93	173	273	164	67	0	0	0	770
1965	0	0	0	0	98	154	214	172	59	0	0	0	697
1966	0	0	0	0	0	172M	288	167	32	0	0	0	659M
1967	0M	0	0	0	0	182	177	105	16	0	0	0	480M
1968	0	0	0M	0	0	173	189	198	60	0	0	0	620
1969	0	0	0	0	15	81	248	217	68	0	0	0	629
1970	0	0	0	0	62	165	267	202	84	0	0	0	780
1971	0	0	0	0	0	255	171	166	129	0	0	0	721
1972	0	0	0	0M	57	135	198	223	95	0	0	0	708M
1973	0	0	0	0	0	186	298	251*	79	0	0	0	814**
1974	0	0	0	0	0	113	310	162	0	0M	0	0M	585M
1975	0	0	0	0	61	173	260	239	0	0	0	0	733
1976	0	0	0	0	0	173	260	162	13	0	0	0	608
1977	0	0	0	0	128	143	316	133M	65	0	0	0	785M
1978	0	0	0	0	0M	173	226M	198	135	0	0	0	732M
1979	0	0	0	0	0	153	198	177	75	0	0	0	603
1980	0	0	0	0	28	138	307	242	75	0	0	0	790
1981	0	0	0	0M	0	167	202	172	38	0M	0	0M	579M
1982	0	0	0	0	90	76	254	158	35	0	0	0	613
1983	0	0	0	0	0	168	360	316	62	0	0	0	906
1984	0	0	0	0	0	186	190	120	32	0	0	0	528
1985	0	0	0	0	59	116	217	128	71	0	0	0	591
1986	0	0	0	0	15	148	264	120	83	0	0	0	630
1987	0	0	0	0	64	210	326	233	48	0	0	0	881
1988	0	0	0	0	49	198	332	338	86	0	0	0	1003
1989	0	0	0	0	0	140	272	166	5	0	0	0	583
1990	0	0	0	0	0	158	192	190	89	0	0	0	629

^A Cooling degree days based on mean temperatures as opposed to daily accumulated amounts.

* Rockford data used, Freeport data missing

*+ Calculations for cooling degree days based on a mean temperature computed from Rockford average monthly maximum and Freeport average monthly minimum temperatures

#+ Calculations for cooling degree days based on a mean temperature computed from Mount Carroll average monthly maximum and Freeport average monthly minimum temperatures

Annual total calculated from Mount Carroll and Freeport data

** Annual total calculated from Rockford and Freeport data

M One to nine days missing

HEATING DEGREE DAYS^A

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	SEASONAL TOTAL
1909-1910	10	0	167	567	633	1544	1488	1338	566	438	357	71	7199
10-11	0	0	146	332	1038	1395	1240	1047	862	612	108f+	62f+	6842ff
11-12	0	29	216	502	1035	1097	1907	1441	1314	495	187	111	8233
12-13	0	47	122	406	792	1107	1296	1274	1076	480	233	19	6852
13-14	0	0	129	481	666	889	1159	1406	977	489	167	49	6412
14-15	0	15	137	310	771	1494	1547	1002	1051	285	366	135	7113
15-16	69	136	143	450	801	1314	1367	1383	1082	465	169	130	7509
16-17	0	0	162	425	804	1376	1445	1352	902	573	344	105	7788
17-18	0	29	173	732	756	1392	1770	1142	735	651	110	89**	7579**
18-19	125**	0	231	322	717	961	1225	1053	849	462	257	0	6202**
19-20	0	6	84	366	915	1528	1578	1241	859	624	208	14	7423
20-21	0	11	62	242	864	1141	1132	969	660	351	133	0	5565
21-22	0	16	68	425	906	1321	1401	1120	884	480	123	35	6779
22-23	8	3	118	347	714	1333	1178	1296	1169	549	210	0	6925
23-24	0	38	140	400	759	915	1621	1154	1032	489	360	110	7018
24-25	41	38	222	233	789	1482	1389	1056	840	345	298	19	6752
25-26	0	0	57	738	903	1411	1290	991	1125	672	164	129	7480
26-27	0	0	143	487	933	1305	1429	935	791	543	288	114	6968
27-28	10	102	86	295	645	1333	1314	1076	874	603	158	108	6604
28-29	0	0	194	357	777	1144	1686	1392	772	432	260	86	7100
29-30	0	8	149	468	969	1228	1631	879	908	432	177	49	6898
30-31	0	0	105	484	789	1240	1166	910	995	468	304	0	6461
31-32	0	0	33	279	582	970	1135	983	1181	525	162	3	5853
32-33	0	0	151	391	960	1268	995	1215	939	540	181	0	6640
33-34	0	26	59	499	879	1206	1141	1229	1020	504	70	0	6633
34-35	0	15	153	313	663	1373	1401	1089	797	576	347	110	6837
35-36	0	0	125	419	903	1358	1649	1665	849	654	105	71	7798
36-37	0	0	98	474	909	1141	1414	1106	1039	570	182	60	6993
37-38	0	0	129	499	921	1342	1383	952	701	462	135	63	6587
38-39	0	0	118	279	783	1228	1159	1210	918	597	121	9	6422
39-40	0	6	54	375	780	1001	1665	1148	1097	561	270	16	6973
40-41	0	5	132	313	918	1141	1259	1212	1352	354	113	27	6826
41-42	0	0	76	350	723	1014	1380	1187	812	363	200	40	6145
42-43	0	20	165	440	780	1426	1488	1137	1073	552	257	0	7338
43-44	0	0	207	629	969	1234	1169	1134	1073	618	112	0	7145
44-45	1	0	105	446	726	1429	1531	1120	558	456	347	113	6832
45-46	11	11	153	512	840	1448	1259	1078	632	396	245	54	6639
46-47	0	44	138	307	792	1082	1249	1338	977	528	319	83	6857
47-48	11	0	89	187	978	1163	1544	1238	952	354	270	65	6851
48-49	0	5	92	521	666	1206	1321	1212	924	527	166	0	6680
49-50	0	0	249	341	801	1153	1271	1176	998	696	185	60	6930

^A Heating degree days based on mean monthly temperatures as opposed to accumulated daily values.

* Rockford data used, Freeport data missing

** Seasonal totals calculated from Rockford and Freeport data

**+ Calculations for heating degree days based on a mean temperature computed from Rockford average monthly maximum and Freeport average monthly minimum temperatures

f+ Calculations for heating degree days based on a mean temperature computed from Mount Carroll average monthly maximum and Freeport average monthly minimum temperatures

ff Seasonal totals calculated from Mount Carroll and Freeport data

K One to nine days missing

HEATING DEGREE DAYS ^A

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	SEASONAL TOTAL
50-51	38	72	160	307	990	1547	1507	1165	1032	582	153M	91	7644M
51-52	5	52	184	381	1053	1246M	1324	1024	1042	456	197	0	6964M
52-53	0	34	140	605	771	1128	1268M	1011	918	606	190	5	6676M
53-54	0	5	143	307	717	1156	1178	834	1001	384	319	0M	6044M
54-55	0	28	105	431	798	1178	1376	1176	977	312	146	98	6625
55-56	0	0	116	381	960	1392	1314	1166	986	579	189	3	7086
56-57	8	3	165	242	831	1153	1567	980	942	465	239	46	6641
57-58	0	16	178	524	840	1081	1414	1380	955	492	179	124	7183
58-59	33	3	137	326	741	1448	1624	1263	992	498	108	29	7202
59-60	8	0	97	521	1074	1008	1314	1270	1376	405	239	78	7390
60-61	10	0	95	440	753	1336	1404	938	868	663	273	49	6829
61-62	6	3	114	366	813	1349	1606	1226	1070	510	89	46	7198
62-63	29	13	192	316	822	1327	1748	1352	809	408	205	5	7226
63-64	0	24	132	154	675	1618	1190	1143	986	450	107	27	6506
64-65	0	36	133	471	684	1345	1398	1184	1181	531	102	46	7111
65-66	0	28	141	391	762	998	1606	1145	815	564	326	29M	6805M
66-67	0	33	168	437	753	1231	1246M	1316	890	468	301	19	6862M
67-68	23	295	184	453	918	1150	1376	1253	732M	450	251	27	6912M
68-69	0	0	140	363	822	1243	1476	1072	1032	435	185	119	6687
69-70	0	0	132	481	858	1280	1646	1190	983	438	136M	35	7181M
70-71	0	0	116	350	831	1200	1566	1159	1004	501	254	0	6981
71-72	29	34	71	184	792	1079	1454	1299	995	570M	143	65	6715M
72-73	0	0*	105	493	873	1336	1203	1061	660	507	257	1	6496**
73-74	0	0	121	288	819	1305	1411	1196	936	465	295	87	6923
74-75	0	38	205	443M	792	1063M	1327	1193	1181	693	139	27	7101M
75-76	0	0	237	384	678	1172	1513	1015	831	435	273	27	6565
76-77	0	38	188	623	1059	1575	1696	1210	735	336	72	57	7589
77-78	0M	67	135	512	846	1414	1690	1484	1144	525	257M	27	8101M
78-79	0M	0	65	487	822	1364	1804	1501	1023	612	202	48	7928
79-80	0	23	125	459	819	1110	1352	1349	1082	504	172	62	7057
80-81	0	0	125	558	792	1249	1327	1095	862	41M	273	33	6725M
81-82	0	28	162	524M	747	1299M	1755	1299	1032	654	110	124	7734M
82-83	0	43	165	397	834	1008	1252	1008	871	639	298	32	6547
83-84	0	0	138	397	744	1640	1584	966	1132	552	285	14	7452
84-85	10	80	168	375	819	1175	1624	1327	812	351	141	84	6966
85-86	0	72	128	468	954	1618	1442	1254	880	408	185	52	7461
86-87	0	80	118	434	954	1166	1271	949	822	441	136	0	6371
87-88	0	0	153	629	702	1116	1612	1337	902	534	151	0	7136
88-89	0	0	114	639	804	1243	1169	1408	986	600	233	60	7256
89-90	0	34	195	425	942	1584	1104	1078	818	525	307	41	7053
90-91	0	10	111	527	510	1336							

^A Heating degree days based on mean monthly temperatures as opposed to accumulated daily values.

* Rockford data used, Freeport data missing

** Seasonal totals calculated from Rockford and Freeport data

** Calculations for heating degree days based on a Bean temperature computed from Rockford average monthly maximum and Freeport average monthly minimum temperatures

#* Calculations for heating degree days based on a mean temperature computed from Mount Carroll average monthly maximum and Freeport average monthly minimum temperatures

// Seasonal totals calculated from Mount Carroll and Freeport data

M One to nine days missing

TOTAL PRECIPITATION

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1909	2.65	1.49	1.18	8.29	3.39	4.17	1.37	7.49	2.23	.79	3.77	3.53	40.35
1910	2.43	.55	.41	3.32	2.32	.90	1.45	4.06	1.86	.59	1.37	.48	19.74
1911	.50	2.20	.37	3.51	2.97	3.81#	1.40	8.03	5.78	3.52	4.04	.74	36.87##
1912	.34	.56	1.27	.69	2.34	1.56	6.08	4.78	4.75	4.91	1.42	1.31	30.01
1913	1.45	1.26	2.93	1.97	7.27	2.48	4.50	4.59	2.80	3.41	1.66	.14	34.46
1914	1.04	1.00	2.94	1.48	3.43	6.10	1.97	1.57	7.24	2.00	.24	1.99	31.00
1915	1.39	1.04	.11	.20	7.13	4.63	7.21	2.66	6.77	.64	2.95	.18	34.91
1916	2.75	.81	2.44	3.14	5.30	7.88	1.60	4.60	9.05	3.98	1.55	1.17	44.27
1917	.98	.39	1.49	3.11	3.99	4.06	.78	.50	3.65	3.96	.11	.28	23.30
1918	2.33	2.46	1.69	2.35	4.03	4.32#	3.51#	4.58#	1.92	3.17	1.35	1.47	33.18##
1919	.35	2.72	3.79	4.46	3.88	3.21	4.21	2.21	7.18	8.20	2.33	1.44	43.98
1920	.88	.43	4.30	4.18	2.59	2.87	1.76	1.71	.45	2.71	1.99	1.62	25.49
1921	.18	.23	3.45	4.01	2.96	4.07	2.35	6.22	9.26#	4.42	2.68	2.99	42.82##
1922	.80	1.55	3.37	4.16	3.84	.81	8.00	.74	3.46	.60	2.93	1.21#	31.47##
1923	.74#	.35	4.99	.85	1.29	4.20	7.05	4.55	3.08	2.83	.87	2.04	32.84##
1924	1.03	1.03	2.74	3.22	1.28	7.49	2.26	7.57	2.06	.47	1.18	1.66	31.99
1925	.25	2.68	.93	2.69	1.01	7.42	6.42	2.95	6.43	3.22	1.41	2.15	37.56
1926	1.13	2.34	1.92	1.42	3.02	9.40	5.75	2.47	6.76	2.16	3.13	1.09	40.59
1927	.84	1.15	2.40	4.76	8.24	2.42	.28	.91	5.61	5.70#	2.78#	1.80	36.89##
1928	.43	1.19	1.98	2.92	1.57	5.98	3.02	4.98	.69	4.29	6.08	1.83	34.96
1929	3.31	1.15	2.23	5.63	2.50	4.17	2.03	1.61	4.14	3.23	1.15	.67	31.82
1930	1.96	1.48	.72	4.25	3.05	7.22	1.29	.96	4.61	2.18	1.15	.82	29.69
1931	.86	.48	1.74	1.69	2.93	2.14	2.84	5.43	4.02	4.76	6.48	2.68	36.05
1932	1.12	.62	2.14	1.08	4.38	4.29	2.46	3.35	.41	3.11	.25	1.69	24.90
1933	.52	.41	2.47	2.12	6.76	1.31	6.45	1.35	2.90	1.38	.39	.83	26.89
1934	.88	.44	1.22	1.05	1.12	5.34	3.90	2.94	6.04	1.36	7.61	1.58	33.48
1935	2.42	1.15	2.24	1.93	6.32	4.18	2.18	4.23	2.65	1.51	4.77	.78	34.36
1936	1.27	1.41	.81	1.74	.81	2.96	1.36	6.25	7.51	2.77	.50	3.07	30.46
1937	3.72	1.56	1.43	3.05	3.31	8.65	1.71	2.92	1.26	3.72	.98	1.32	33.63
1938	2.57	1.94	2.69	2.29	4.81	8.53	5.30	8.53	7.61	1.09	2.86	1.05	49.27
1939	2.19	2.15	1.43	2.98	1.39	3.38	2.05	1.96	1.36	1.66	.42	.32	21.29
1940	1.44	1.16	.71	3.16	2.42	4.38	4.01	5.07	.40	2.52	2.05	1.62	28.94
1941	2.70	.94	2.18	3.16	3.49	4.15	2.52	3.49	8.12	4.06	1.70	1.48	37.99
1942	.78	.68	.84	.84	4.62	3.18	5.20	6.66	7.59	1.18	2.65	3.04	37.26
1943	1.80	.99	2.76	3.52	4.95	6.60	2.70	5.90	2.33	2.22	1.65	.52	35.94
1944	1.56	1.72	3.52	3.53	6.53	4.08	4.98	2.66	2.24	.58	3.65	1.60	36.65
1945	.94	1.29	2.00	3.22	7.51	5.65	.80	3.58	6.26	.69	1.75	2.26	35.95
1946	2.70	.48	2.83	.66	3.31	4.66	.78	4.72	3.22	1.42	3.23	1.27	29.28
1947	1.72	.29	1.38	4.56	3.62	6.38	6.95	1.58	4.79	1.57	3.01	1.63	37.48
1948	1.07	2.40	4.35	1.69	6.10	4.02	2.46	4.10	1.81	1.74	2.31	2.18	34.23
1949	3.29	1.47	2.65	1.68	.98	4.14	3.26	4.05	2.19	1.64	.94	2.59	28.88
1950	3.24	1.26	1.66	5.36	2.43	8.11	5.49	4.39	3.85	.58	1.27	1.68	39.32

Mount Carroll data used, Freeport data missing

// Totals calculated from Mount Carroll and Freeport data

N one to nine days missing

TOTAL PRECIPITATION

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1951	2.48	1.85	2.02	3.24	3.90	4.34	7.53	5.36	2.93	5.05	2.15	2.11	42.96
1952	2.14	.40	3.94	2.54	3.74	3.22	4.86	3.57	.61	.01	5.25	2.45	32.73
1953	1.14	2.29	3.48	2.21	2.70	4.22	3.80	2.58	2.96	.48	.60	2.06	28.52
1954	.60	1.11	2.27	5.95	2.65	6.11	2.18	4.25	3.18	5.76	.73	2.31	37.10
1955	.96	1.32	1.30	4.74	2.67	4.06	1.56	2.68	3.38	2.60	.85	1.37	27.49
1956	.53	.80	.72	5.22	3.38	3.80	8.57	3.41	.51	.54	3.07	1.06	31.61
1957	1.09	.83	2.21	2.30	5.47	2.45	5.88	2.79	1.36	1.48	3.25	2.89	32.00
1958	1.02	.21	.46	2.47	1.87	4.19	7.09	3.70	1.79	2.76	3.33	.65	29.54
1959	1.30	1.74	4.48	3.27	3.35	3.32	7.33	3.48	5.91	4.99	2.87	2.51	44.55
1960	4.21	1.58	1.40	4.25	5.40	4.53	4.49	3.46	2.10	4.29	1.79	.63	38.13
1961	.28	1.00	4.90	2.46	1.56	2.87	5.57	1.18	10.29	3.88	3.65	1.70	39.34
1962	1.88	1.88	1.94	1.91	4.04	1.64	5.71	.63	2.44	1.59	.73	.54	24.93
1963	.96	.46	2.82	2.12	1.20	3.02	3.57	2.54	3.19	.23	1.48	.95	22.54
1964	1.02	.84	3.53	4.65	3.80	3.41	3.23	3.43	1.46	.05	2.65	1.14	29.21
1965	3.08	1.10	3.20	4.68	3.97	1.26	3.70	7.95	8.86	1.94	1.70	3.01	44.45
1966	1.43	.68	1.36	3.04	3.13	3.66	2.63	1.01	1.48	1.69	2.00	2.59	24.70
1967	.94	1.37	1.73	4.27	2.56	8.37	1.30	3.41	2.91	4.99	2.32	1.47	35.64
1968	.82	.35	.85	4.02	4.10	4.61	3.58	3.56	8.58	1.57	2.18	3.09	37.31
1969	1.99	.42	1.03	2.83	4.29	10.51	3.39	2.23	2.41	4.94	.87	2.07	36.98
1970	.70	.79	1.83	3.15	6.77	4.27	4.12	.84	9.47	2.33	1.47	1.55	37.29
1971	1.35	2.94	2.09	1.89	1.77	3.43	2.19	2.32	2.29	1.42	3.23	4.59	29.51
1972	.75	.98	2.72	6.39	5.80	4.69	7.03	7.68	8.36	3.23	1.63	2.69	51.95
1973	1.82	1.86	4.08	7.07	6.55	2.31	3.70	2.10	9.00	3.07	2.60	2.98	47.14
1974	3.03	1.19	2.45	3.98	7.14	7.01	1.02	3.41	.45	2.14	1.63	1.64	35.09
1975	1.48	1.98	3.41	1.96	3.70	2.91	2.19	3.94	.96	.25	3.61	.70	27.09
1976	.61	1.59	5.75	2.11	1.52	1.24	1.29	3.61	1.49	1.86	.37	.31	21.75
1977	.58	.63	4.33	3.37	1.37	2.51	7.15	4.88	3.03	3.84	2.54	1.76	35.99
1978	.80	.31	.83	3.58	5.91	4.81	5.69	1.45	3.91	.75	3.06	1.76	32.86
1979	2.37	.96	2.80	3.17	1.58	5.99	3.00	9.59	.11	3.21	3.12	2.52	38.42
1980	1.37	.91	.67	2.92	2.16	5.11	2.51	8.21	6.49	1.29	.63	1.90	34.17
1981	.05	2.82	.77	5.58	1.07	5.95	2.37	6.85	4.95	3.14	2.18	.57	36.30
1982	1.58	.12	2.85	1.91	4.61	2.91	7.20	4.34	2.38	4.10	5.45	2.78	40.23
1983	.26	1.44	1.54	2.94	6.62	2.79	3.52	2.21	4.14	1.62	3.71	1.83	32.62
1984	.44	.82	1.58	3.98	3.83	4.97	3.47	1.66	1.68	6.51	3.40	1.61	33.95
1985	1.34	2.19	3.08	.76	4.65	3.69	1.67	5.37	2.71	5.08	6.16	2.31	39.01
1986	.51	2.75	.76	2.10	4.92	3.21	3.00	2.45	10.12	3.62	.99	.76	35.19
1987	.79	.03	1.71	1.33	4.52	3.02	3.61	8.44	.81	.58	1.99	3.77	30.60
1988	1.78	.92	1.39	1.49	1.45	.31	2.88	2.49	1.55	2.15	3.48	.67M	20.56M
1989	.76	.46	1.67	1.41	1.26	2.54	3.40	3.81	4.24	.65	.59	.40	21.19
1990	.98	1.21	3.50	3.23	5.38	8.07	5.38	5.51	1.01	2.58	3.32	2.23	42.40

Mount Carroll data used, Freeport data missing

Totals calculated from Mount Carroll and Freeport data

M one to nine days missing

TOTAL SNOWFALL

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	SEASONAL TOTAL
1909-1910	.0	.0	.0	T	4.5	30.2	20.1	5.0	T	6.5	.0	.0	66.3
10-11	.0	.0	.0	T	2.0	5.3	4.0	9.0	T	.6	T	.0	20.9
11-12	.0	.0	.0	T	4.9	2.5	7.2	6.0	15.3	5.0	.0	.0	40.9
12-13	.0	.0	.0	.0	T	1.5	11.5	8.5	9.1	T	.0	.0	30.6
13-14	.0	.0	.0	T	T	T	8.0	12.0	1.8	T	.0	.0	21.8
14-15	.0	.0	.0	T	T	15.7	7.8	.7	2.7	T	.0	.0	26.9
15-16	.0	.0	.0	.0	4.0	4.0	6.2	7.8	6.3	T	.0	.0	28.3
16-17	.0	.0	.0	.0	.4	4.8	7.9	2.7	T	T	.0	.0	15.8
17-18	.0	.0	.0	7.0	.5	4.1	22.1	9.2	.6	T	.0	.0	43.5
18-19	.0	.0	.0	T	T	8.5	5.0	11.2	4.1	.0	.0	.0	28.8
19-20	.0	.0	.0	.0	.7	18.0	9.3	6.0	3.7	.2	.0	.0	37.9
20-21	.0	.0	.0	2.0	1.0	6.0	2.5	2.0	.0	14.0	.0	.0	27.5
21-22	.0	.0	.0	T	5.0	4.0	1.0	T	2.0	T	.0	.0	12.0
22-23	.0	.0	.0	.0	T	7.5M#	9.2#	3.2	27.5	2.0	T	.0	49.4M##
23-24	.0	.0	.0	1.0	T	10.0	6.0	10.5	16.5	1.0	T	.0	45.0
24-25	.0	.0	.0	.0	.2	5.0	2.5	4.5	7.0	T	T	.0	19.2
25-26	.0	.0	.0	4.5	11.0	10.8	13.0	13.0	11.0	5.0	.0	.0	68.3
26-27	.0	.0	.0	T	7.5	3.5	8.0	9.0	2.0	4.0	.0	.0	34.0
27-28	.0	.0	.0	.0	.1#	1.4	.8	3.3	6.5	1.0	.0	.0	13.1##
28-29	.0	.0	.0	.0	2.0	1.3	20.4	5.7	T	.4	.0	.0	29.8
29-30	.0	.0	.0	4.5	1.6	4.9	20.8	2.2	1.5	.2	.0	.0	35.7
30-31	.0	.0	.0	T	2.5	4.0	9.0	1.7	10.0	T	.0	.0	27.2
31-32	.0	.0	.0	.0	T	9.9	2.5	.2	9.9	.0	.0	.0	22.5
32-33	.0	.0	.0	T	.6	2.1	1.0	3.9	6.4	T	.0	.0	14.0
33-34	.0	.0	.0	T	1.1	5.7	2.1	4.9	1.1	.7	.0	.0	15.6
34-35	.0	.0	.0	.0	T	13.2	5.6	9.4	10.0	.3	2.4	.0	40.9
35-36	.0	.0	.0	T	5.0	6.8	13.3	17.7	3.1	13.9	.0	.0	59.8
36-37	.0	.0	.0	.5	2.2	6.5	3.4	3.3	5.4	.1	.0	.0	21.4
37-38	.0	.0	.0	T	4.0	6.5	6.1	1.8	4.7	5.6	.0	.0	28.7
38-39	.0	.0	.0	T	1.7	4.6	9.0	10.0	9.7	.3	.0	.0	35.3
39-40	.0	.0	.0	T	T	T	16.1	12.7	2.8	.5	.0	.0	32.1
40-41	.0	.0	.0	.0	6.7	7.4	17.0	6.5	16.3	.0	.0	.0	53.9
41-42	.0	.0	.0	.0	1.2	11.9	7.7	5.4	1.9	.0	.0	.0	28.1
42-43	.0	.0	.0	T	2.8	5.3	20.4	.9	7.5	.2	.0	.0	37.1
43-44	.0	.0	.0	T	1.6	.1	3.0	8.2	9.5	T	.0	.0	22.4
44-45	.0	.0	.0	.0	.7	12.4	11.7	6.0	T	.0	T	.0	30.8
45-46	.0	.0	.0	.0	1.6	13.2	1.7	3.6	5.0	.0	T	.0	25.1
46-47	.0	.0	.0	T	T	5.6	16.5	3.0	3.6	2.0	.0	.0	30.7
47-48	.0	.0	.0	.0	11.0	2.0	3.6	2.4	6.2	.0	.0	.0	25.2
48-49	.0	.0	.0	.0	T	4.4	12.8	4.8	.5	3.3	.0	.0	25.8
49-50	.0	.0	.0	.0	6.6	7.0	5.0	6.3	8.8	3.4	.0	.0	37.1

Carroll data used, Freeport data missing

Seasonal total calculated from Hount Carroll and Freeport data

* Rockford data used, Freeport data missing

** Seasonal total calculated from Rockford and Freeport data

One to nine days missing

T Trace, an amount too small to measure

TOTAL SNOWFALL

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	SEASONAL TOTAL
50-51	.0	.0	.0	.0	7.6	15.1	10.7	3.7	11.0	1.6	.0	.0	49.7
51-52	.0	.0	T	T	6.6	21.8	9.7	3.3	11.6	.0	.0	.0	53.0
52-53	.0	.0	.0	T	.2	2.4	10.8	.2	7.0	T	.0	.0	20.6
53-54	.0	.0	.0	.0	2.7	8.8	3.6	2.7	8.2	.0	T	.0	26.0
54-55	.0	.0	.0	T	2.9	15.6	3.5	2.5	5.4	.0	T	.0	29.9
55-56	.0	.0	.0	T	5.7	8.2	2.9	1.5	1.3	T	.0	.0	19.6
56-57	.0	.0	.0	.0	1.8	5.1	14.1	2.6	5.7	2.0	.0	.0	31.3
57-58	.0	.0	.0	.0	.5	7.4	10.8	1.4	3.5	.5	.0	.0	24.1
58-59	.0	.0	.0	.0	.4	10.3	15.9	4.4	15.5	T	.0	.0	46.5
59-60	.0	.0	.0	T	6.9	8.6	8.6	16.5	9.3	.5	T	.0	50.4
60-61	.0	.0	.0	T	.1	5.3	2.0	.6	9.2	3.4	.0	.0	20.6
61-62	.0	.0	.0	T	.8	15.4	13.2	15.6	5.4	4.8	.0	.0	55.2
62-63	.0	.0	.0	T	T	4.8	11.2	5.7	7.5	T	.0	.0	29.2
63-64	.0	.0	.0	.0	.2	7.6	1.2	8.3	22.7	T	.0	.0	40.0
64-65	.0	.0	.0	.0	2.1	9.7	8.8	7.5	23.2	T	.0	.0	51.3
65-66	.0	.0	.0	.0	T	4.6	11.8	.3	1.4	T	2.0	.0	20.1
66-67	.0	.0	.0	.0	T	9.6	4.6	15.1	7.8	3.0	2.0	.0	40.1
67-68	.0	.0	.0	1.6	1.5	1.5	3.9	2.6	.4	T	.0	.0	11.5
68-69	.0	.0	.0	T	3.4	7.0	6.2	3.0	2.0	.0	.0	.0	21.6
69-70	.0	.0	.0	.0	.7	22.1	5.8	7.4	3.9	5.7	.0	.0	45.6
70-71	.0	.0	.0	.0	T	5.8	10.3	1.8	12.4	1.4	.0	.0	31.7
71-72	.0	.0	.0	.0	6.6	.7	3.1	10.2	15.3	2.3	.0	.0	38.2
72-73	.0	.0	.0	1.0	7.2	10.4	.7	7.0	.5	10.9	.0	.0	37.7
73-74	.0	.0	.0	.0	T	11.4	12.5	16.5	2.0	T	.0	.0	42.4
74-75	.0	.0	.0	.0	3.0	5.2	5.0	14.5	9.5	3.0	.0	.0	40.2
75-76	.0	.0	.0	.0	4.5	2.0	9.2	2.1	T	.0	T	.0	17.8
76-77	.0	.0	.0	T	2.5	3.5	8.8	2.9	3.8	1.0	.0	.0	22.5
77-78	.0	.0	.0	.0	7.0	17.2	11.8	5.5	6.7	.0	.0	.0	48.2
78-79	.0	.0	.0	.0	6.0	13.8	35.6	10.1	3.5	1.4	.0	.0	70.4
79-80	.0	.0	.0	.0	1.0	2.0	4.0	12.2	4.0	3.3	.0	.0	26.5
80-81	.0	.0	.0	T	T	5.1	2.2	6.5	1.0	.0	.0	.0	14.8
81-82	.0	.0	.0	.0	1.5	3.5	16.0	1.5	8.9	8.3	.0	.0	39.7
82-83	.0	.0	.0	.0	.0	1.5	2.3	9.6	4.3M	T	.0	.0	17.7M
83-84	.0	.0	.0	.0	.3	14.2	8.0	.3	9.7	T	.0	.0	32.5
84-85	.0	.0	.0	.0	.0	7.5	17.4	5.0	1.0	1.0	.0	.0	31.9
85-86	.0	.0	.0	.0	2.8	12.7	7.1	15.8	T	1.0	.0	.0	39.4
86-87	.0	.0	.0	.0	6.7	3.5	11.3	T	3.0	.0	.0	.0	24.5
87-88	.0	.0	.0	.0	.0	19.2	6.8	5.5	1.0	T	.0	.0	32.5
88-89	.0	.0	.0	.0	T	4.5	.0	13.3*	.0M	.0	.0	.0	17.8M**
89-90	.0	.0	.0	.0	1.1	8.6*	5.5	4.0	.0	.0	.0	.0	19.2**
90-91	.0	.0	.0	.0M	1.0	10.0							

Mount Carroll data used, Freeport data missing

Seasonal total calculated from Mount Carroll and Freeport data

* Rockford data used, Freeport data missing

** Seasonal total calculated from Rockford and Freeport data

M One to nine days missing

T Trace, an amount too small to measure

FREEPORT STATION HISTORY

Systematic daily weather observations have been taken in Freeport since 1905. Weather observations consist of daily high and low temperature, precipitation, snowfall and snow on the ground, as with all National Weather Service Cooperative stations.

The Freeport weather station is one of about 170 such observing sites in Illinois under the direction of the National Weather Service. The Freeport data as well as other climatological data and information are available from either:

Illinois State Water Survey
ATTN: STATE CLIMATOLOGIST
2204 Griffith Dr.
Champaign IL 61820
217-333-2210

National Climatic Data Center
Federal Bldg
Asheville NC 28801
704-259-0682